

PRESSFITTING - WASTE SYSTEMS

Programma di fornitura

PRODUCT RANGE • LIEFERPROGRAMM
PROGRAMME DE LIVRAISON • GAMA DE PRODUCTO



Legenda / Key



Peso / ca.
Weight / piece



Pezzi / scatola
Pieces / box



Peso al metro
Weight per meter



Pezzi / sacchetto
Pieces / bag



Peso / ca.
Weight / piece



Pezzi / bancale
Pieces / pallet



Peso al metro
Weight per meter

Color Code

Sistemi di raccordi a pressare

Press fitting systems • Pressfittingsysteme • Systèmes de raccords a sertir • Sistema de accesorios para prensar

color
CODE

Sistemi di scarico

Waste systems • Abflusssysteme • Systèmes de évacuation
• Sistemas de evacuación

color
CODE

“

Aiutiamo gli installatori a lavorare in modo rapido, sicuro e conveniente, studiando e realizzando ogni giorno soluzioni innovative di prodotto e di processo prestando particolare attenzione all'impiego dei sistemi di raccordi a pressare.

***(Cav. Lav. Pier Luigi CECCARDI,
Fondatore e Presidente di Raccorderie Metalliche)***

”

La struttura del Catalogo

The catalog structure

1 **Indice Catalogo**
Table of contents • Inhaltsverzeichnis • Table des matières • Índice del catálogo

2 **Raccorderie Metalliche**
Profilo aziendale

Company profile • Firmenprofil • Profil d'entreprise • El perfil de la empresa

3 **Il sistema di offerta**
Catalogo prodotti completo

Offer system • Das Angebotssystem • Le système d'offre • El sistema de oferta

4 **La struttura commerciale**
Rete di vendita e informazioni per gli ordini

Commercial structure • Die kommerzielle Struktur unserer Firma • La structure commerciale
• La estructura comercial

► Raccorderie Metalliche

► Profilo aziendale	4
Company profile • Firmenprofil • Profil d'entreprise • El perfil de la empresa	
► Principali prodotti	7
Main products • Unsere hauptsächlichsten Produkte • Produits principaux • Los productos principales	
► Campi di applicazione	9
Fields application • Anwendungsbereich • Domaines d'application • Ámbitos de aplicación	
► I Nostri Progetti	10
Our Projects • Unsere Projekte • Nos Projets • Nuestros Proyectos	

► Il sistema di offerta

Offer system • Das Angebotssystem • Le système d'offre • El sistema de oferta

► Sistemi di raccordi a pressare profilo M	14
Press fitting systems M profile • Pressfittingsysteme M-Profil • Système à Sertir Profil M • Sistema de Accesorios para presar Perfil M	
► inoxPRES	22
AISI 316L - W. 1.4404	
► inoxPRES GAS	73
AISI 316L - W. 1.4404	
► inoxPRES HT FREE	92
AISI 316L - W. 1.4404	
► inoxPRES STEAM	109
AISI 316L - W. 1.4404	
► inoxPRES 304L	119
AISI 304L - W. 1.4307	
► steelPRES	127
Acciaio al carbonio zincato • Carbon steel • C-stahl verzinkt • Acier carbone • Acero carbono galvanizado	
► AES PRES	153
Rame/bronzo • Copper/bronze • Kupfer/Bronze • Cuivre/bronze • Cobre/bronze	
► AES PRES GAS	165
Rame/bronzo • Copper/bronze • Kupfer/Bronze • Cuivre/bronze • Cobre/bronze	
► MARINE PRES	176
CuNi10Fe1.6Mn	
► Attrezzature e accessori	196
Press tools and accessories • Presswerkzeuge zubehör • Outils de sertissage et accessoires • Herramientas y accesorios	
► Sistemi di raccordi a pressare profilo UNIKO	218
Press fitting systems UNIKO profile • Pressfittingsysteme UNIKO-Profil • Système à Sertir Profil UNIKO • Sistema de Accesorios para presar Perfil UNIKO	
► inoxPRES UNIKO	223
AISI 316L - W. 1.4404	
► inoxPRES UNIKO 304L	243
AISI 304L - W. 1.4307	
► AES PRES UNIKO	258
Rame/bronzo • Copper/bronze • Kupfer/Bronze • Cuivre/bronze • Cobre/bronze	
► AES PRES UNIKO GAS	280
Rame/bronzo • Copper/bronze • Kupfer/Bronze • Cuivre/bronze • Cobre/bronze	
► Attrezzature e accessori	299
Press tools and accessories • Presswerkzeuge zubehör • Outils de sertissage et accessoires • Herramientas y accesorios	
► Sistemi di scarico	304
Waste systems • Abflusssysteme • Systèmes de évacuation • Sistemas de evacuación	
► DRAIN	308
AISI 316L - W. 1.4404	

La struttura commerciale

Commercial structure • Die kommerzielle Struktur unserer Firma • La structure commerciale • La estructura comercial

> Come ordinare	343
How to order • Bestellungsverfahren • Comment commander • Cómo efectuar el pedido	
> Struttura commerciale Italia	344
Sales Organisation • Kommerzielle Struktur in Italien • Structure Commerciale Italie • Organización de ventas en Italia	
> Struttura commerciale Estero	345
Sales Organisation • Kommerzielle Struktur im Ausland • Organisation des ventes • Organización de ventas en el extranjero	
> Condizioni generali di vendita	347
General conditions sales • Allgemeine Verkaufsbedingungen • Conditions générales de vente	
• Condiciones generales de venta	

Azienda certificata

Certified Company



ISO 9001:2015 - DNV



ISO 14001:2015 - DNV



ISO 45001:2018 - DNV



ISO 50001:2018 - DNV



Profilo aziendale

Raccorderie Metalliche rappresenta dal 1970 una realtà di assoluto rilievo nel panorama europeo dei produttori di materiale per l'impiantistica nel **settore idrotermosanitario civile e industriale**. Dal 2014 è presente nel **settore navale** come unico operatore sul mercato in grado di offrire contemporaneamente sistemi pressfitting, sistemi di scarico in acciaio, raccorderia a saldare e filettata e sistemi di fissaggio.

Un'azienda formata da **oltre 400 dipendenti** che ogni giorno realizzano la missione di Raccorderie Metalliche.

“Aiutiamo gli installatori a lavorare in modo rapido, sicuro e conveniente, studiando e realizzando ogni giorno soluzioni innovative di prodotto e di processo prestando particolare attenzione all'impiego dei sistemi di raccordi a pressare.”

*(Pier Luigi CECCARDI,
Fondatore e Presidente di Raccorderie Metalliche)*

Presenza nel Mondo

Raccorderie Metalliche dispone di due siti produttivi in Italia, con un totale di oltre 188.000 mq, e 4 filiali commerciali estere (Germania, Francia, Spagna e India) che garantiscono una distribuzione in oltre 60 Paesi nel mondo.

- **InoxPRES S.A. (Barcellona, Spagna):**
commercializzazione di tubi e raccordi su tutto il territorio spagnolo e portoghese.
- **RM Pressfitting GmbH (Monaco di Baviera, Germania):**
sviluppo commerciale e coordinamento di un team di promoters sul territorio tedesco.
- **Raccorderie Metalliche FRANCE SARL (Lione, Francia):**
sviluppo commerciale e coordinamento della struttura di vendita sul territorio francese.
- **RACMET INDIA PVT (Pune, India):**
coordinamento delle attività di vendita e potenziamento commerciale sul mercato indiano.

I punti chiave

Il successo di Raccorderie Metalliche è da attribuire ad una pluralità di fattori: conoscenza, qualità, vasto assortimento di gamma ed estrema attenzione al cliente.

- **Costante ricerca e continuo sviluppo di soluzioni innovative** hanno permesso di realizzare il **primo raccordo tee pressfitting** al mondo in acciaio al carbonio privo di saldature.
- **Continui controlli e miglioramenti sulla qualità** hanno consolidato un elevato standard qualitativo.
- **Certificazione dei sistemi di gestione delle proprie attività** nel rispetto dell'ambiente e della sicurezza dei propri collaboratori.
- **Costante disponibilità e tracciabilità** di prodotti presso i nostri magazzini.
- **Tecnici che affiancano e consigliano** i progettisti nel loro lavoro.
- **Trasparenza, correttezza e rispetto reciproco** con i partner permettono di garantire standard elevati di servizio.
- **Continue attività formative e di aggiornamento** per far crescere professionalmente gli installatori.
- **Particolare attenzione al sociale** ritenendo che siano le persone a fare la differenza, quella differenza che permette di evolvere.

Dati di rilievo

Aggiornati a dicembre 2025

- **Area totale RM** 188.000 mq
- **Superficie coperta RM** 64.000 mq
- **N° dipendenti** oltre 400 persone
- **Fatturato Italia** 34%
- **Fatturato Export** 66%
- **Presenza** in oltre 60 paesi
- **N° articoli a catalogo** 6.923
- **Materia prima trasformata** 25.500tons/year
- **Brevetti** 3
- **Certificazioni prodotti** 109

Company profile

Since 1970, Raccorderie Metalliche is a leading manufacturer in the European **civil & industrial plumbing sector** landscape. Since 2014 we are present in the **shipbuilding sector** and the only one in the market being in a position to offer press fitting systems, steel wastewater systems, welding fittings, threaded fittings and fastening systems, at the same time.

Every day, **more than 400 employees** are committed to fulfil Raccorderie Metalliche's mission.

"We constantly offer innovative solutions in terms of both product and process and take the use of press fitting systems into particular consideration; these solutions allow fitters to work rapidly, safely and suitably."

*(Pier Luigi CECCARDI,
Founder and President of Raccorderie Metalliche)*

Our Presence in the World

Raccorderie Metalliche has two production plants in Italy, extending over an area of more than 188.000 sq. m, as well as 4 branch offices in foreign Countries (Germany, France, Spain and India) ensuring the distribution of our products in more than 60 Countries of the world.

- **InoxPRES S.A. (Barcelona, Spain):**
marketing of pipes and fittings in the whole Spanish and portuguese territory.
- **RM Pressfitting GmbH (Munich, Germany):**
trade development and coordination of our team of promoters in Germany.
- **Raccorderie Metalliche FRANCE SARL (Lyon, France):**
trade development and coordination of our sales structure in France.
- **RACMET INDIA PVT (Pune, India):**
coordination of sales activities and commercial development in the Indian market.

Key Points

Raccorderie Metalliche's success is the result of several factors: knowledge, quality, a wide range of products, particular ability to understand customer requirements.

- **Continuous research and development of innovative solutions** allowing us to be the first Company producing a seamless carbon steel **pressfitting Tee**.
- **Continuous quality control and improvement** resulting in a high quality level.
- **Certification of activities managing systems** in conformity with environment and workers' safety regulations.
- **Constant availability and traceability** of products in our warehouses.
- **Technicians collaborating with and giving advice** to the design engineers.
- **Fairness, transparency and mutual respect** between the partners to provide our customers with the best possible service.
- **Constant training and update** in order fitters to continue their professional development.
- **Particular attention to social issues**, because we think that people make the difference, which is the key ingredient for evolution.

Highlights

Updated on December 2025

- **RM total area** 188.000 sq.m
- **RM covered area** 64.000 sq.m
- **Human resources** more than 400 people
- **Domestic sales** 34%
- **Export sales** 66%
- **Presence** in over 60 countries
- **Item on catalouge** 6.923
- **Processed raw materials** 25.500tons/year
- **Patents** 3
- **Products Certifications** 109

Pressare, Innestare, Innovare!



I sistemi di Raccorderie Metalliche **prodotti in Italia** si dividono in:

Sistemi **Pressfitting**

inoxPRES

Acciaio inossidabile AISI 316L – 1.4404
Acciaio inossidabile AISI 304L – 1.4307

steelPRES

Acciaio al carbonio E195

MARINE PRES

Cupronichel 90/10

AES PRES

Rame Cu-DHP 99.9 – CW024A
Bronzo CuSn5Zn5Pb2-C – CC449K

inoxPRES

UNIKO

Acciaio inossidabile AISI 316L – 1.4404
Acciaio inossidabile AISI 304L – 1.4307

AES PRES

Rame Cu-DHP 99.9 – CW024A
Ottone CuZn21Si3P – CW724R
Bronzo CuSn5Zn5Pb2-C (CC499K)

I Sistemi Pressfitting di Raccorderie Metalliche sono composti da raccordi, tubazioni* e attrezzature.

Le nostre soluzioni sono progettate per impianti di distribuzione acqua potabile, antincendio, climatizzazione, aria compressa e trasporto fluido in genere.

**PRESSIONE DI ESERCIZIO FINO A PN16.
DISPONIBILITÀ NEI DIAMETRI DA 15 mm A 168 mm.**

Tutti i prodotti seguono un processo di tracciabilità che permette l'identificazione di ogni singolo componente per qualsiasi evenienza.

Sistemi **di scarico**

DRAIN è un sistema ad innesto composto da tubi e raccordi in acciaio inossidabile AISI 316L per il trasporto di acque di scarico bianche, grigie e nere; la soluzione ideale per la realizzazione reti di scarico sia in gravità che in vuoto.

I sistemi di fissaggio, raccorderia **a saldare / filettata, flange**

I nostri sistemi di fissaggio, la raccorderia a saldare e filettata, le flange rappresentano il giusto completamento per fornire un'intera gamma di prodotti che soddisfino a 360° l'esigenza per tutti i tipi di impianti.

* Tranne per il sistema AesPRES®

Raccorderie Metalliche Systems **produced in Italy** are divided as follows:

Pressfitting Systems

inoxPRES®

Stainless Steel AISI 316L – 1.4404
Stainless Steel AISI 304L – 1.4307

steelPRES®

Carbon Steel E195

MARINE PRES®

Copper-nickel 90/10

AES PRES®

CopperCu-DHP 99.9 – CW024A
Bronze CuSn5Zn5Pb2-C – CC449K

inoxPRES®

UNIKO®

Stainless Steel AISI 316L – 1.4404
Stainless Steel AISI 304L – 1.4307

AES PRES®

UNIKO®

Copper Cu-DHP 99.9 – CW024A
Brass CuZn21Si3P – CW724R
Bronze CuSn5Zn5Pb2-C – CC499K

Raccorderie Metalliche Pressfitting Systems include fittings, piping* and tools. Raccorderie Metalliche Pressfitting Systems are designed for multiple application fields: distribution systems of drinking water, fire protection systems, air conditioning, compressed air, and fluid transport systems in general.

**WORKING PRESSURE UP TO PN16.
AVAILABLE FROM 15 mm TO 168 mm.**

All products follow a traceability process which allows each and every component to be identified.

Waste Systems

DRAIN is a push-fit system composed of pipes and fittings in AISI 316L stainless steel for the transport of white, grey and black wastewater; the ideal solution for the construction of gravity and vacuum drainage networks.

Fastening, welding / threaded fitting systems, flanges

Our fastening, welding/threaded fitting systems and flanges represent the correct completion of products to provide a full range which meets the 360° requirements for all installations.

* Except for AesPRES® system

Press, Push, Innovate!



Campi di applicazione Fields of application

Raccorderie Metalliche offre tutte le soluzioni per l'adduzione e lo scarico di acqua ed il trasporto di svariati fluidi.

I sistemi Pressfitting di Raccorderie Metalliche si distinguono per **semplicità, rapidità e sicurezza**.

- La **semplicità** è intrinseca nelle caratteristiche del sistema: taglia, innesta e pinza, nessun patentino, nessuna fiamma.
- La **rapidità** permette di abbattere i tempi di installazione fino al 60% rispetto ai sistemi tradizionali.
- La **sicurezza** è data dall'assenza di rischi d'incendio e dal mantenimento di un ambiente di lavoro pulito ed ordinato, anche in condizioni di spazio ristretto.

Raccorderie Metalliche offers all possible solutions for the supply and drainage of water and for the transport of diverse fluids.

Raccorderie Metalliche Pressfitting systems stand for **simplicity, speed and security**.

- **Simplicity** is inherent in the system's characteristics: cut, insert and press, no flame, no licence needed.
- **Speed of installation** makes it possible to reduce labour time by up to 60% and high safety levels compared to traditional systems.
- **Security** is provided by the absence of fire risks and by maintaining a clean working environment, even in a restricted working space.

inoxPRES®
inoxPRES UNIKO®

steelPRES®

AES PRES®
AES PRES UNIKO®

MARINE PRES®

DRAIN

Applicazioni Applications	Acciaio inossidabile Stainless Steel	Acciaio al carbonio Carbon Steel	Rame/Bronzo/Ottone Copper/Bronze/Brass	Cupronichel Copper-nickel	Acciaio inossidabile Stainless Steel
Acqua potabile Potable Water	✓		✓		
Gas metano / GPL Natural Gas / LPG	✓		✓		
Riscaldamento Heating	✓	✓	✓	✓	
Raffrescamento Cooling	✓	✓	✓	✓	
Solare termico Solar Thermal	✓	✓	✓	✓	
Aria compressa Compressed Air	✓	✓	✓	✓	
Antincendio Fire Protection Systems	✓		✓	✓	
Acque di processo Process Water	✓			✓	✓
Scarichi Wastewater				✓	✓
Nebulizzazione Nebulisation	✓				
Silicone free Silicone Free	✓				
Vapore Steam	✓				

**Scopri tutte le nostre applicazioni
e i vantaggi dei sistemi a pressare**

*Discover all our applications
and the advantages of pressfitting systems*



La nostra **RacMet Academy**

OUR RACMET ACADEMY

La **RacMet Academy** è il risultato dell'importanza che viene data alla crescita professionale e alla formazione di installatori e collaboratori.

Una struttura formata da ampi spazi dotati delle più avanzate e moderne tecnologie per supportare meeting e convention, un laboratorio tecnico che include una ambientazione specifica per ogni applicazione dedicata ai sistemi di raccordi a pressare, una school dedicata alla formazione ed una zona lounge per l'accoglienza degli ospiti e il relax.

Scopri-la sul nostro sito!

*The **RacMet Academy** is the result of the importance given to professional growth and the training of installers and employees.*

A structure consisting of large spaces equipped with the most advanced and modern technologies to support meetings and conventions, a technical laboratory with a specific setting for each application dedicated to press fittings, a school dedicated to training and a lounge area for the reception of guests and relaxation.

Discover it on our website!

UNA STRUTTURA TECNICA SEMPRE **PIÙ VICINA AI NOSTRI CLIENTI**

A TECHNICAL STRUCTURE CLOSER TO OUR CUSTOMERS

 **tecnico@racmet.com**

RMC

Racmet Maintenance Center

In collaborazione con **NOVOPRESS**, nostro fornitore di attrezzature a pressare, abbiamo creato all'interno di Raccorderie Metalliche un **centro di manutenzione autorizzato** per garantire un *servizio rapido, veloce ed efficiente ai nostri clienti*.

Il **RACMET MAINTENANCE CENTER (RMC)** è il **centro dedicato alla manutenzione e al ripristino di attrezzature, fondamentali per la realizzazione dei sistemi a pressare.**

Authorized Partner



In co-operation with **NOVOPRESS**, the company supplier of press equipment, the Raccorderie Metalliche set up an **authorized maintenance centre** within the company to guarantee a *fast, rapid and efficient service to any customer*.

The **RACMET MAINTENANCE CENTER (RMC)** is **the centre dedicated to the maintenance and restoration of equipment, essential for the construction of press systems.**

I NOSTRI SERVIZI



Ritiro attrezzatura



Check & analisi dell'attrezzatura con personale certificato



Preventivo in tempi rapidi



Sostituzione con nuovi pezzi di ricambio originali



Consegna dell'attrezzatura con conferma della revisione effettuata

OUR SERVICES



Equipment pickup



Equipment check & analysis by certified personnel



Fast quotation



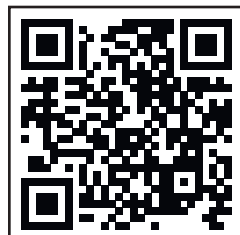
Replacement with new original spare parts



Delivery of the equipment with Certification of revision

CONTATTACI CONTACT US

assistenza@racmet.com



Raccorderie Metalliche

BIM PLUG-IN per AUTODESK® REVIT®

RACCORDERIE METALLICHE BIM PLUG-IN FOR AUTODESK® REVIT®

Modellazione a estrema precisione e contenuti aggiornati, leggeri e compatti con BIM (Building Information Modeling), l'App gratuita di Raccorderie Metalliche!

Per contribuire al processo di progettazione, mettiamo a disposizione tutti i modelli BIM dei nostri sistemi a pressare: oggetti altamente semplificati con tutti i metadati rilevanti ai fini del progetto.

Progetta gli impianti con i nostri sistemi a pressare in modo rapido e semplice!

*Design with great accuracy and work with up-to-date, light and compact **BIM (Building Information Modeling)** content with the free App of Raccorderie Metalliche!*

To contribute to the design process, we provide all BIM models available of our pressing systems: highly simplified objects with all the metadata relevant to the project.

Design piping systems easily and fast!

Anche i progettisti che utilizzano **MagiCAD** in ambiente Revit possono scaricare e utilizzare l'applicativo di Raccorderie Metalliche. I progettisti che utilizzano **StabiCAD** in ambiente Revit possono lavorare con l'App di Raccorderie Metalliche in Revit.

Le versioni Revit supportate per l'App Raccorderie Metalliche Product Line Placer sono il 2022, 2023, 2024, 2025 e 2026.

*Even designers who use **MagiCAD** in a Revit environment can download and use the Raccorderie Metalliche application.*

*Designers using **StabiCAD** in Revit environment can work with the Revit Raccorderie Metalliche App.*

The Revit versions supported for the Product Line Placer in the Raccorderie Metalliche App are 2022, 2023, 2024, 2025 and 2026.



SCARICA L'APP GRATUITA SUL NOSTRO SITO WEB

DOWNLOAD THE FREE
APP ON OUR WEBSITE



Liberie BIM per REVIT - BIM library for REVIT

Free Download



Raccorderie Metalliche presenta My RacMet APP

RACCORDERIE METALLICHE PRESENTS MY RACMET APP

**BE INNOVATIVE.
BE SMART.**



My RacMet APP

MY RACMET APP: la APP di Raccorderie Metalliche creata per accedere al mondo RacMet attraverso un semplice e veloce click!

Potrai vedere gli ultimi aggiornamenti e news, video e tutorial, sfogliare online il catalogo prodotti e soprattutto accedere a servizi esclusivi come la tracciabilità di prodotti e di tutti i suoi componenti.

My RACMET APP per avere sempre con te tutte le informazioni di cui hai bisogno!

MY RACMET APP: the app from Raccorderie Metalliche developed for a quick and easy access to the RacMet world!

You can check the latest updates and news, videos and tutorials, browse the online product catalog, and most importantly, access exclusive services such as the traceability of products and all of their components.

MY RACMET APP: having Raccorderie Metalliche always at your fingertips!

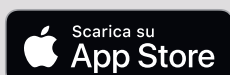
**GUARDA IL VIDEO
DI PRESENTAZIONE**

WATCH THE VIDEO



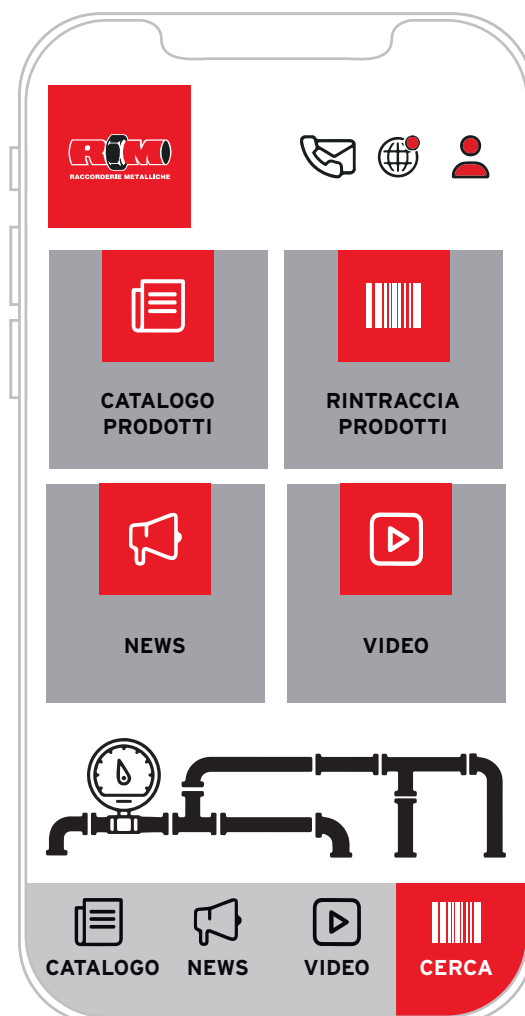
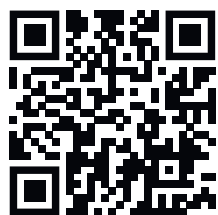
**SCARICA LA NOSTRA
RACMET APP**

DOWNLOAD OUR RACMET APP



Raccorderie Metalliche ha realizzato il **catalogo online** per una facile e veloce consultazione dei propri prodotti. Una modalità semplice per consultare le gamme prodotto online.

Raccorderie Metalliche designed its **online catalogue** for an easy and quick consultation of its products. An easy way to browse product ranges online.





Sistemi di raccordi a pressare profilo M

PRESS FITTING SYSTEMS M PROFILE

PRESSFITTINGSYSTEME M-PROFIL

SYSTÈME À SERTIR PROFIL M

SISTEMA DE ACCESORIOS PARA PRENSAR PERFIL M

Il sistema pressfitting - profilo M

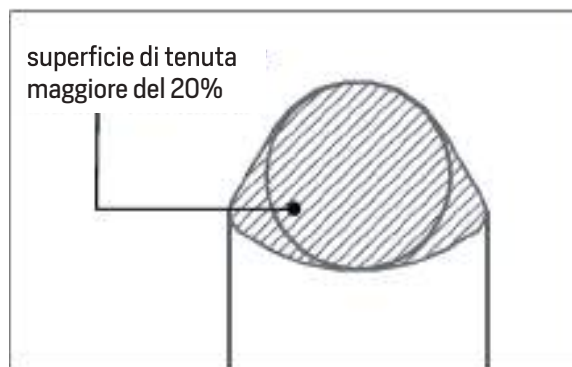
RACCORDERIE METALLICHE utilizza per i propri prodotti la tecnica di giunzione con profilo "M". Durante la pressatura avviene una deformazione a 2 livelli. Il primo livello di resistenza si realizza in seguito alla deformazione meccanica del raccordo e della tuba-

zione, un collegamento indissolubile che garantisce la resistenza meccanica dello stesso. La tenuta idraulica viene garantita dall'O-Ring deformato nella sua sezione: grazie alla sua elasticità, garantisce l'ermeticità permanente della giunzione.

Il profilo dell'anello di tenuta (O-Ring)

I tradizionali sistemi di raccordi a pressare utilizzano anelli di tenuta (O-Ring) a sezione circolare che in caso di lavorazione non appropriata, sono facilmente soggetti ad essere danneggiati. Raccorderie Metalliche usa un'anello di tenuta brevettato a profilo lenticolare (lenring) che aderisce perfettamente alla camera toroidale. Ne conseguono i seguenti vantaggi:

- > Una superficie di tenuta maggiore del 20%;
- > Notevole diminuzione del rischio di danneggiamento dell'anello di tenuta;
- > Facilita l'inserimento del tubo.



Il materiale impiegato nella realizzazione dei raccordi e dei tubi

I raccordi ed i tubi della linea INOXPRES® sono in acciaio inossidabile AISI 316L. A differenza dei tradizionali sistemi in acciaio AISI316, i prodotti INOXPRES® presentano un minor contenuto di carbonio che conferisce all'acciaio una maggiore resistenza alla corrosione.

Anelli di tenuta - Campi di impiego e caratteristiche tecniche

INDICAZIONI TECNICHE	COLORI	TEMPERATURE D'ESERCIZIO MIN / MAX GRADI CELSIUS	PRESSIONE D'ESERCIZIO MAX IN BAR	OMOLOGAZIONE E NORME	CAMPI D'IMPIEGO	INSERITO IN FABBRICA
EPDM	■ Nero	-20 / +120 °C	16	KTW W 270 DVGW W 534	Acqua potabile, Riscaldamento Circuiti di raffreddamento, Acque trattate, Acque completamente dissalate, Acqua piovana, Aria compressa (Classe 1 ÷ 4)	sì
HNBR	■ Giallo	-20 / +70 °C	5	G 260HTB DVGW G 5614	Gas naturale, Gas metano, GPL (fase gassosa), Idrogeno	sì
FKM	■ Verde	-20 / +220 °C	16	-	Solare, Aria compressa (Classe 5), Acqua salmastra, Olio/Gasolio	sì
STEAM	□ Bianco	-20 / 165 °C	7 bara / 6 barg	-	Vapore saturo	sì
MVQ	■ Rosso	-20 / +180 °C	16	-	Applicazioni industriali dopo la verifica da parte di RM	no

Norma di riferimento EN 10217-7:2014

WERKSTOFF NR.	C ≤ %	SI ≤ %	MN ≤ %	P ≤ %	S ≤ %	N ≤ %	CR %	MO %	NI %
AISI316 / W.1.4401	0,07	1	2	0,05	0,02	0,11	16,5	2	10
X5CrNiMo 17-12-2									
AISI316L / W. 1.4404	0,03						18,5	2,5	13
X2CrNiMo 17-12-2									

Pressfitting system - **M**profile

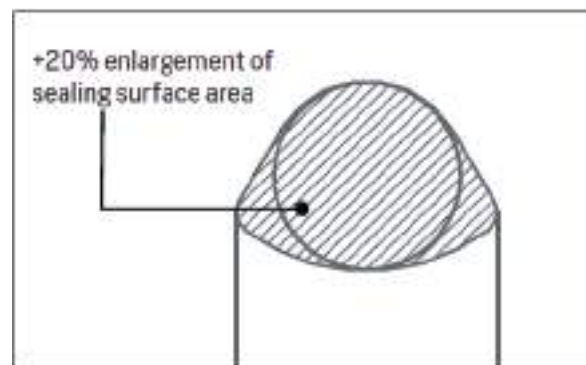
The junction connection of RACCORDERIE METALLICHE press fitting systems is with "M" contour. During the pressing process a deformation takes place on two planes. The first plane creates a permanent connection and provides

mechanical strength through the mechanical deformation of the press fitting and the pipe. On the second plane the seal ring is deformed in its cross section and through its elastic properties creates the permanently tight joint.

Sealing ring profile (O-Ring)

Traditional press fitting systems use round sealing rings, which can easily be damaged by careless fitting. RM on the other hand uses a patented sealing ring with a lenticular profile which fits the press crimp groove. This provides the following advantages:

- > A 20% enlargement of the sealing surface area;
- > Major reduction of the risk of the sealing ring being pressed out or damaged;
- > It makes the pipes insertion easier.



Description of the material used to produce stainless steel pipes and fittings

Pipes and fittings of INOXPRES® are made in stainless steel AISI 316L. Unlike traditional systems made with AISI316, INOXPRES® products present a lower content of carbon that gives a higher resistance to corrosion.

Sealing rings - Fields of applications and technical data

TECHNICAL TERM	COLOUR	OPERATING TEMPERATURE MIN. -/MAX. DEGREES CENTIGRADE	OPERATING PRESSURE MAXIMUM IN BAR	APPROVALS AND CERTIFICATION BASIS	FIELDS OF APPLICATION	FACTORY FITTED
EPDM	black	-20 / +120 °C	16	KTW W 270 DVGW W 534	Potable water, Heating, Cooling and refrigeration circuits, Treated water, Desalinated water, Rain-water, Compressed air (Class 1÷4)	yes
HNBR	yellow	-20 / +70 °C	5	G 260HTB DVGW G 5614	Natural gas, Methane gas, GPL (gaseous state), Hydrogen	yes
FKM	green	-20 / +220 °C	16	-	Solar, Compressed air (Class 5), Salt water, Oil/Diesel fuel	yes
STEAM	white	-20 / 165 °C	7 bara / 6 barg	-	Saturated Steam	yes
MVQ	red	-20 / +180 °C	16	-	Industrial applications following approval by RM	no

Reference norm EN 10217-7:2014

WERKSTOFF NR.	C ≤ %	SI ≤ %	MN ≤ %	P ≤ %	S ≤ %	N ≤ %	CR %	MO %	NI %
AISI316 / W.1.4401	0,07	1	2	0,05	0,02	0,11	16,5	2	10
X5CrNiMo 17-12-2							18,5	2,5	13
AISI316L / W.1.4404	0,03	1	2	0,05	0,02	0,11	16,5	2	10
X2CrNiMo 17-12-2							18,5	2,5	13

Le fasi di installazione - **profilo M**

Installation process - M profile



Attrezzatura per la preparazione del tubo / Tools for the pipe set-up



Macchine e attrezzature per la pressata / Pressing machines and tools



Taglio del tubo / Cutting the pipe to length



Sbavatura del tubo / Deburring the pipe



Controllo O-ring / Checking the sealing ring



Marcatura della profondità d'innesto / Marking the insertion depth



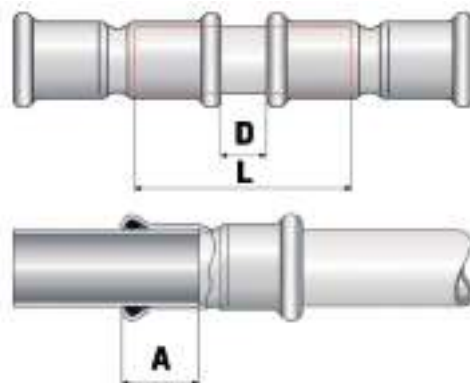
Preparazione della macchina pressatrice / Press machine preparation



Assemblaggio attraverso pressatura / Making the press connection



Controllo della pressatura / Checking the press connection



A = Quota d'innesto
D = Distanza minima
L = Lunghezza minima di tubo

A = insertion depth
D = minimum distance
L = minimum pipe length tubo

Profondità d'innesto e distanze minime

Insertion depth and minimum distances

VIDEO TUTORIAL

Scopri sul nostro canale YouTube, come installare il sistema Pressfitting !

Find out more on our YouTube channel, how to install Pressfitting system !

YouTube

RACCORDERIE METALLICHE

Diametro esterno tubi in mm Pipe outside diameter in mm	A mm	D mm	L mm
12	18	20	56
15	20	20	60
18	20	20	60
22	21	20	62
28	23	20	66
35	26	20	72
42	30	40	100
54	35	40	110
76,1	55	60	170
88,9	60	60	180
108	75	60	210
139,7	95	100	290
168,3	113	100	326

FOCUS ON

LA GIUNZIONE OVERSIZE DIAMETRO 139-168 mm

THE OVERSIZE RANGE DIAMETER 139-168 mm

OVERSIZE è una nuova gamma a pressare in acciaio inossidabile AISI 316L disponibile nei diametri 139.7 e 168.3 mm.

Diversamente dai diametri fino al 108 mm, le fasi di pressatura delle dimensioni Oversize 139,7 e 168,3 mm devono essere realizzate attraverso due fasi di pressatura distinte.

Con la catena dedicata si procede secondo le sottostanti fasi di lavoro.

The Oversize is a new pressfitting range, made of AISI 316L stainless steel available in 139 and 168mm diameters.

Unlike diameters up to 108 mm, the pressing phases of the Oversize 139.7 and 168.3 mm dimensions must be carried out in two distinct pressing phases.

Using the dedicated chain, follow the instructions listed below.



1° FASE di PRESSATURA

- Aprire la catena e posizionarla sul raccordo: la scanalatura della catena deve essere posizionata esattamente sopra la camera toroidale del raccordo.
- Chiudere la catena e premere il pulsante di blocco.
- Ruotare il fermo verso l'interno ed innestare il blocco.
- Effettuare l'operazione di pressatura n° 1.
- Sganciare e ruotare il fermo, aprire la catena e rimuoverla dal raccordo.

1st PRESSING PHASE

- Open the chain and place it around the fitting: the groove of the chain must be positioned exactly above the toroidal chamber of the fitting.
- Close the chain and press the lock button.
- Rotate the latch inwards and engage the lock.
- Carry out pressing operation n° 1.
- Unhook and rotate the latch, open the chain and remove it from the fitting.

Assemblaggio pressatura n°1 / Press assembly phase 1



Scanalatura della catena sopra la sede di contenimento dell'o-ring
Chain groove above the o-ring groove



VIDEO TUTORIAL

Scopri sul nostro canale YouTube come installare la nuova gamma Oversize!

Find out more on our YouTube channel, how to install the new Oversize range!

YouTube

RACCORDI METALLICHE

2° FASE di PRESSATURA

- Posizionare la catena nella zona del “bicchiere”, allineandola con le apposite guide sopra la sede di contenimento dell'o-ring.
- Chiudere la catena e premere il pulsante di blocco.
- Ruotare il fermo verso l'interno ed innestare il blocco.
- Effettuare l'operazione di pressatura n° 2.
- Sganciare e ruotare il fermo, aprire la catena e rimuoverla dal raccordo.

Assemblaggio pressatura n°2 / Press assembly phase 2



Controllo visivo pressatura Oversize /
Visual inspection of oversize pressing

L'installatore deve inoltre assicurarsi che tutte le giunzioni siano effettivamente state pressate.
A pressatura avvenuta, le giunzioni non devono più essere sollecitate meccanicamente.
L'allineamento della tubazione e il fissaggio dei collegamenti filettati devono quindi essere effettuati prima della pressatura.
È comunque consentito muovere e sollevare leggermente la tubazione, ad es. per lavori di verniciatura.

2nd PRESSING PHASE

- Position the chain around the pipe socket, aligning it with the appropriate guides above the containment groove of the o-ring.
- Close the chain and press the lock button.
- Rotate the latch inwards and engage the lock.
- Carry out pressing operation n° 2.
- Unhook and rotate the latch, open the chain and remove it from the fitting.

Guide sopra la sede di contenimento dell'o-ring
Guides over the o-ring groove



Dopo la pressatura occorre verificare che la giunzione sia stata realizzata correttamente e che la profondità d'innesto sia stata rispettata.

After pressing, the connection must be checked to ensure that the work has been carried out correctly and that the insertion depth is correct.

*The fitter must also ensure that all connections have been adequately pressed.
Once pressing has been complete, the connections must not be subjected to further mechanical loads.
The alignment of the pipeline and the fixing of the threaded connections must therefore be carried out before pressing.
Slight movement and lifting of pipes, e.g. for painting work, is permitted.*

Certificazioni / Certifications

SETTORE CIVILE / CIVIL SECTOR

		PRODUKTE DER WASSERVERSORGUNG	DW-8511AU2084 (W 534)	Ø 15 – 168 mm
		EDELSTAHLROHR "INOXPRES" - 1.4404	DV-7301 BM3426 (GW 541)	Ø 15 – 108 mm
		EDELSTAHLROHR "INOXPRES" - 1.4521	DW-7301 BT0667 (GW 541)	Ø 15 – 54 mm
		ROHRSYSTEM EDELSTAHL "INOXPRES" PRESSFITTINGSYSTEM AUS EDELSTAHL DN 20 BIS DN 80 VERWENDUNG: IN ORTSFESTEN WASSERLÖSCHANLAGEN	G 4060006 (VdS 2344 – VdS 2100)	Ø 22 – 88,9 mm
		TRINKWASSERHAUSINSTALLATIONSSYSTEM = INOXPRES®=	W 1.402 (W 402)	Ø 15 – 108 mm
		TRINKWASSERVERTEILSYSTEME	0007-4278 (ZW 132-GW514-W534)	Ø 15 – 108 mm
		INOXPRES RANGE OF STAINLESS STEEL FITTINGS	240404019	Ø 15 – 108 mm
		SYSTÈMES DE CANALISATIONS DE DISTRIBUTION D'EAU - SYSTÈME INOXPRES	79-2217_V1	Ø 15 – 108 mm
		ATTESTATION DE CONFORMITE SANITAIRE - SYSTÈME INOXPRES	23 ACC LY 357	Ø 15 – 108 mm
		PRESFITTINGS TIL RUSTFRI STÅLRØR INOXPRES RUSTFRI STÅLRØR TIL BRUGSVANDSINSTALLATIONER I BYGNING OG JORD INOXPRES	VA 1.22/19224 VA 1.12/18410	Ø 15 – 108 mm
		INOXPRES PIPES INOXPRES FITTINGS	02/00016 03/00224	Ø 15 – 108 mm
		PRESSKOPPLINGAR FÖR ROSTFRIA STÅLRÖR	1174/99	Ø 15 – 108 mm
		STAINLESS STEEL PRESS FITTING - INOXPRES® - (WATER SUPPLY) STAINLESS STEEL TUBE - INOXPRES® - (WATER SUPPLY)	K40834 K40835	Ø 15 – 108 mm
		INOXPRES PRESSFITTINGSSYSTEM I RUSTFRITT STÅL	Nr. 1623	Ø 15 – 108 mm
		PRESS-FIT PIPE FITTINGS FOR USE IN ABOVEGROUND FIRE PROTECTION SYSTEMS	PR465065	Ø 15 – 108 mm
		STAINLESS STEEL INOXPRES CRIMP FITTINGS (WATER SUPPLY)	TEST REPORT ZH 173	Ø 15 – 108 mm
		ROZSDAMENTES ACÉL CSÖVEK ÉS PRÉSIDOMOK INOXPRES	A-42/2017	Ø 15 – 108 mm
		INOXPRES ROZSDAMENTES ACÉL PRÉSKÖTÉSŰ CSŐRENDSZER	20-CPR-282-(C-22/2017)	Ø 15 – 108 mm
		TUZVEDELMI MEGFELELŐSÉGÉRŐL	TMI - 3/2025	Ø 15 – 168 mm
		LACZNIKI ZAPRASOWYWANE ZE STALI SYSTEMU INOXPRES I STEELPRES DO LACZENIA RUR ZE STALI	ITB-KOT-2019/1222	Ø 15 – 108 mm
		RURY I ŁĄCZNIKI ZAPRASOWYWANE INOXPRES DN20 ÷ DN100 DO STAŁYCH URZĄDZEŃ GAŚNICZYCH WODNYCH	ITB-KOT-2020/1502	Ø 22 – 108 mm
		SYSTEM ZACISKOWY INOXPRES: RURY I ZŁĄCZKI ZACISKOWE	B.BK.60110.1527.2022	Ø 15 – 108 mm
		SYSTÉM TRUBEK A LISOVACÍCH TVAROVEK Z NEREZOVÉ OCELI	202/C5/2022/B-00659-22	Ø 15 – 108 mm
		RACCORDI A PRESSARE IN ACCIAIO INOSSIDABILE / STAINLESS STEEL PRESSFITTINGS PRODOTTI E COMPONENTI UTILIZZATI A CONTATTO CON ACQUA POTABILE PRODUCT AND ELEMENTS IN CONTACT WITH DRINKING WATER	ICIM-CAP-009671-03	Ø 15 – 168,3 mm
		WATER SUPPLY - METALLIC FITTINGS AND END CONNECTORS; STAINLESS STEEL PIPES AND TUBE FOR PRESSURE APPLICATIONS	WMK25928 WMK25929	Ø 15 – 108 mm

Certificazioni / Certifications**SETTORE CIVILE / CIVIL SECTOR**

		FORMSTÜCKE AUS METALLISCHEN WERKSTOFFEN	R-15.2.3-21-17203	Ø 15 – 168 mm
		ROHRE AUS METALLISCHEN WERKSTOFFEN	R-15.2.3-21-17202	Ø 15 – 168 mm
		SYSTÈME DE RACCORDS ET CONDUITES EN ACIER INOXYDABLE POUR LA DISTRIBUTION D'EAU SANITAIRE, DE CHAUFFAGE ET DE REFROIDISSEMENT	ATG 3346	Ø 15 – 108 mm

Certificazioni / Certifications**SETTORE NAVALE / SHIPYARD SECTOR**

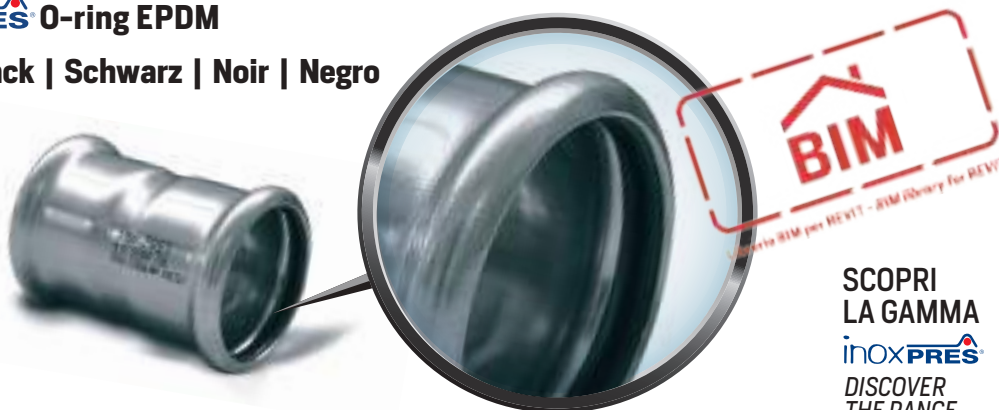
		MECHANICAL JOINTS COMPRESSION COUPLINGS PRESSTYPE	38058/C1 BV	Ø 15 – 108 mm
		TUBE FITTINGS – INOXPRES	TAP000017J	Ø 15 – 108 mm
		PIPE, DUCT, TRUNK – INOXPRES	MEDB00007F0	Ø 15 – 108 mm
		PRESS FIT SYSTEM OF COMPRESSION TYPE FOR PIPING SYSTEMS	LR 231904 01 TA	Ø 15 – 108 mm
		INOXPRES, PIPING SYSTEM AND FITTING	MIL46378-PE002	Ø 15 – 108 mm
		GIUNTI MECCANICI PER TUBOLATURE – INOXPRES MECHANICAL JOINTS FOR PIPES – INOXPRES	MAC 398323CS/002	Ø 15 – 108 mm
		INOXPRES, PIPING SYSTEM AND FITTING	24-0113277-PDA	Ø 15 – 108 mm
		INOXPRES, MECHANICAL JOINTS	ML 24PTB00011	Ø 15 – 108 mm

Campi di applicazione / Fields of application

inoxPRES®

**Acqua potabile**
Potable water**Riscaldamento**
Heating**Raffrescamento**
Cooling**Olio / gasolio**
Oil / diesel fuel
FKM O-Ring**Acque di processo**
Process water**Aria compressa**
Compressed air**Antincendio**
Fire protection systems

inoxPRES® O-ring EPDM

Nero | Black | Schwarz | Noir | NegroSCOPRI
LA GAMMA
inoxPRES®
DISCOVER
THE RANGE**Un marchio di qualità per i materiali
a contatto con l'acqua potabile**

A QUALITY BRAND FOR MATERIALS COMING IN CONTACT WITH DRINKING WATER

ICIM attesta che gli oggetti prodotti e/o commercializzati
dall'Organizzazione **Raccorderie Metalliche S.p.A.**:

- Tubi e raccordi a pressare in acciaio inox (inoxPRES - inoxPRES UNIKO);
- Tubi e raccordi a pressare in rame e bronzo (aesPRES - aesPRES UNIKO);
- Tubi e raccordi a pressare in cupronickel (marinePRES);
- Raccordi a pressare in acciaio inox;

sono idonei al contatto con acqua potabile destinata al consumo umano.
[riferimento D.M. n.174 del 6 aprile 2004]ICIM certifies that the products manufactured and/or
marked by **Raccorderie Metalliche S.p.A.**:

- Stainless steel pipes and pressfittings (inoxPRES - inoxPRES UNIKO);
- Copper and bronze pipes and pressfittings (aesPRES - aesPRES UNIKO);
- Copper/nickel pipes and pressfittings (marinePRES);
- Welding fittings in stainless steel;

are suitable for contact with drinking water intended for human consumption.
[Re: Ministerial Decree n.174 dated 6 April 2004]



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/200 6 m
≤54 B 30 31
76÷108 B 30 32
TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
Mat. Nr.: 1.4404 (AISI 316L) L=6 m
Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo

CODE	Dimensions mm x mm	Ø int mm	L m		Volume l/m	Minimum package m	Bundle m
116015200	15 x 1,0	13	6	0,351	0,133	60	1014
116018200	18 x 1,0	16	6	0,426	0,201	60	1014
116022200	22 x 1,2	19,6	6	0,625	0,302	60	762
116028200	28 x 1,2	25,6	6	0,805	0,514	30	546
116035200	35 x 1,5	32	6	1,258	0,804	30	546
116042200	42 x 1,5	39	6	1,521	1,194	30	366
116054200	54 x 1,5	51	6	1,972	2,042	30	366
116076200	76,1 x 2,0	72,1	6	3,711	4,080	6	114
116088200	88,9 x 2,0	84,9	6	4,352	5,660	6	114
116108200	108 x 2,0	104	6	5,308	8,490	6	114



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/Oversize 6 m**B 30 36****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
Mat. Nr.: 1.4404 (AISI 316L) L=6 m
Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo

CODE	Dimensions mm x mm	Ø int mm	L m		Volume l/m	Minimum package m	Bundle m
116139200*	139,7 x 2,0	135,7	6	6,896	14,460	6	60
116168200*	168,3 x 2,0	164,3	6	8,328	21,200	6	54
116139260	139,7 x 2,6	134,5	6	8,926	14,208	6	60
116168260	168,3 x 2,6	163,1	6	10,788	20,893	6	54

(*): non certificato DVGW - not certified DVGW - keine Zertifizierung DVGW - pas certifié DVGW - DVGW no certificado



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/203 3 m
≤54 B 30 31
76÷108 B 30 32
TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=3 m****Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo**

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m
116015203	15 x 1,0	13	3	0,351	0,133	60
116018203	18 x 1,0	16	3	0,426	0,201	60
116022203	22 x 1,2	19,6	3	0,625	0,302	36
116028203	28 x 1,2	25,6	3	0,805	0,514	30
116035203	35 x 1,5	32	3	1,258	0,804	18
116042203	42 x 1,5	39	3	1,521	1,194	12
116054203	54 x 1,5	51	3	1,972	2,042	12
116076203	76,1 x 2,0	72,1	3	3,711	4,080	6
116088203	88,9 x 2,0	84,9	3	4,352	5,660	6
116108203	108 x 2,0	104	3	5,308	8,490	6



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/300 6 m
≤54 B 30 31
76÷108 B 30 32
TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=6 m****Ricotto - Annealed - Geglüht - Hypertrempé - Recocido**

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m	Bundle m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014
116018300	18 x 1,0	16	6	0,426	0,201	60	1014
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546
116035300	35 x 1,5	32	6	1,258	0,804	30	546
116042300	42 x 1,5	39	6	1,521	1,194	30	366
116054300	54 x 1,5	51	6	1,972	2,042	30	366
116076300	76,1 x 2,0	72,1	6	3,711	4,080	6	114
116088300	88,9 x 2,0	84,9	6	4,352	5,660	6	114
116108300	108 x 2,0	104	6	5,308	8,490	6	114



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/030 6 m**B 30 33****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312

Mat. Nr.: 1.4521 (AISI 444) L=6 m
Ricotto - Annealed - Geglüht - Hypertrempé - Recocido

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015030	15 x 1,0	13	6	0,351	0,133	60	1014
116018030	18 x 1,0	16	6	0,426	0,201	60	1014
116022030	22 x 1,2	19,6	6	0,625	0,302	60	762
116028030	28 x 1,2	25,6	6	0,805	0,514	30	546
116035030	35 x 1,5	32	6	1,258	0,804	30	546
116042030	42 x 1,5	39	6	1,521	1,194	30	366
116054030	54 x 1,5	51	6	1,972	2,042	30	366

NOTA / NOTE

Per le specifiche certificazioni delle tubazioni in ogni singolo paese, vedere sito web raccorderiemetalliche.com

For pipes certification's details of each country, please check our website raccorderiemetalliche.com

Die für jedes einzelne Land spezifischen Zertifizierungen der Rohre finden Sie auf die Website raccorderiemetalliche.com

Pour toute certification de tubes dans chaque pays, voir le site internet raccorderiemetalliche.com

Para conocer las certificaciones específicas de las tuberías en cada país, consulte el sitio web raccorderiemetalliche.com



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

114/200 6 m

≤54 B 30 34
76÷108 B 30 35

TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM:

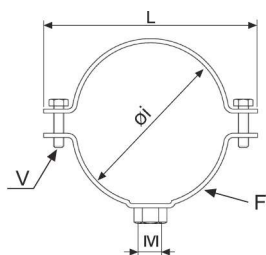
EN 10217-7 (DIN 17455) - EN 10312

NOTE:

Paese Italia - conforme al DM 174 per
veicolazione acqua potabile;
Italy country - according to DM 174 for
drinking water transport;

Mat. Nr.: 1.4307 (AISI 304L) L=6 m**Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
114015200	15 x 1,0	13	6	0,351	0,133	60	1014
114018200	18 x 1,0	16	6	0,426	0,201	60	1014
114022200	22 x 1,2	19,6	6	0,625	0,302	60	762
114028200	28 x 1,2	25,6	6	0,805	0,514	30	546
114035200	35 x 1,5	32	6	1,258	0,804	30	546
114042200	42 x 1,5	39	6	1,521	1,194	30	366
114054200	54 x 1,5	51	6	1,972	2,042	30	366
114076200	76,1 x 2,0	72,1	6	3,711	4,080	6	114
114088200	88,9 x 2,0	84,9	6	4,352	5,660	6	114
114108200	108 x 2,0	104	6	5,308	8,490	6	114



156

A 50 50

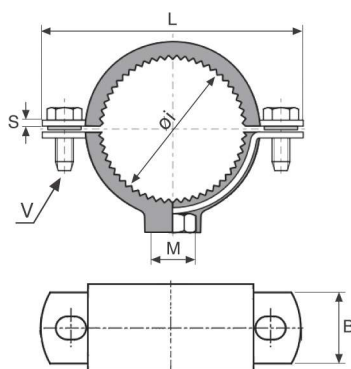
COLLARE PER TUBO INOXPRES

- CLAMP FOR INOXPRES PIPE
- ROHRSCHELLE FÜR INOXPRES ROHR
- COLLIER POUR TUBE INOXPRES
- ABRAZADERA PARA TUBO INOXPRES

MATERIAL: AISI 304 - 1.4301**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	F Lg x Sp mm	V mm	L mm			
156015304	15	M 8	20 x 2,5	M 6 x 20	48	52	1	50*
156308304	18	M 8	20 x 2,5	M 6 x 20	53,5	58	1	50*
156102304	22	M 8	20 x 2,5	M 6 x 20	58	62	1	50*
156304304	28	M 8	20 x 2,5	M 6 x 20	63,5	68	1	50*
156100304	35	M 8	20 x 2,5	M 6 x 20	70	76	1	50*
156114304	42	M 8	20 x 2,5	M 6 x 20	79	88	1	50*
156054304	54	M 8	20 x 2,5	M 6 x 25	94	102	1	50*
156212304	76,1	M 10	30 x 2,5	M 6 x 25	115	200	1	20*
156300304	88,9	M 10	30 x 2,5	M 6 x 25	128	221	1	20*
156108304	108	M 10	30 x 2,5	M 6 x 25	149	252	1	20*

(*) unità minima di vendita / minimum selling quantity

Conforme a
Conform to
Entsprechend
Correspondant
Conforme a la

DIN 4109

156/G

A 50 50

COLLARE GOMMA PER TUBO INOXPRES

- CLAMP WITH RUBBER FOR INOXPRES PIPE
- ROHRSCHELLE MIT GUMMIEINLAGE FÜR INOXPRES ROHR
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE POUR TUBE INOXPRES
- ABRAZADERA ISOFÓNICA PARA TUBO INOXPRES

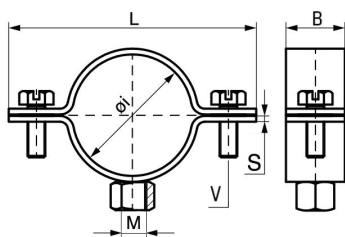
MATERIAL: AISI 304 - 1.4301**VULCANIZED RUBBER:**EPDM [-20°
C/+120° C]
durezza/hardness
55 Shore**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	V mm	B mm	S mm	L mm			
156150304G	15	M 8	M 6 x 20	20	2,5	58	72	1	50*
156308304G	18	M 8	M 6 x 20	20	2,5	58	76	1	50*
156102304G	22	M 8	M 6 x 20	20	2,5	63,5	86	1	50*
156304304G	28	M 8	M 6 x 20	20	2,5	70	94	1	50*
156100304G	35	M 8	M 6 x 20	20	2,5	79	112	1	50*
156114304G	42	M 8	M 6 x 20	20	2,5	85	120	1	50*
156112304G	54	M 8	M 6 x 25	20	2,5	97	142	1	50*
156212304G	76,1	M 10	M 6 x 25	30	2,5	128	308	1	10*
156300304G	88,9	M 10	M 6 x 25	30	2,5	148	346	1	10*
156108316G **	108	M 8 / 10	M 6 x 25	20	2	168	200	1	10*

(*) unità minima di vendita / minimum selling quantity

(**) Gomma staccabile - Detachable rubber - Abnehmbare Gummi - Caoutchouc amovible - Goma desmontable
AISI 316 / 1.4401 (famiglia / family A 50 51)

A 50 51

**156/316L****COLLARE FISSAGGIO TUBO - SERIE PESANTE**

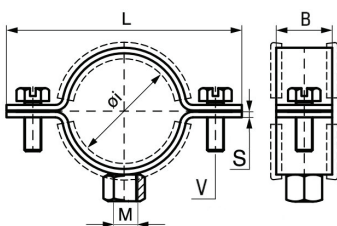
- CLAMP - HEAVY SERIES
- ROHRSCHELLE - SCHWERE SERIE
- COLLIER DE FIXATION - SÉRIE LOURDE
- ABRAZADERA - SERIE PESADA

MATERIAL: AISI 316L - 1.4404**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	V mm	B mm	S mm	L mm		
156500316	139,7	M 10	M 6 x 25	20	2,5	179	210	10*
156600316	168,3	M 10	M 6 x 25	20	2,5	203	240	10*

[*] unità minima di vendita / minimum selling quantity

A 50 51

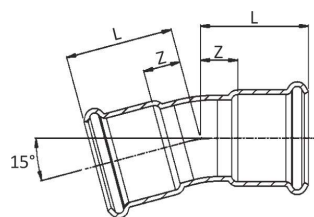
**156/316L G****COLLARE CON GOMMA - SERIE PESANTE**

- CLAMP WITH RUBBER - HEAVY SERIES
- ROHRSCHELLE MIT GUMMIEINLAGE - SCHWERE SERIE
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE - SÉRIE LOURDE
- ABRAZADERA ISOFÓNICA - SERIE PESADA

MATERIAL: AISI 316L - 1.4404**VULCANIZED RUBBER:** EPDM [-20°
C/+120° C]
durezza/hardness
55 Shore**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	V mm	B mm	S mm	L mm		
156500316G	139,7	M 10	M 6 x 25	20	2,5	179	250	10*
156600316G	168,3	M 10	M 8 x 35	25	2,5	233	470	10*

[*] unità minima di vendita / minimum selling quantity

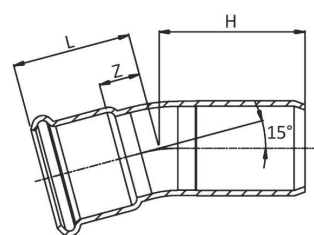

181/150
≤54 B 10 11
76÷108 B 10 12
CURVA 15° FF

- 15° ELBOW FF
- BOGEN 15° II
- COUDE FF 15°
- CURVA 15° HH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	Z mm			
181015150	15	30	10	50	20	300
181018150	18	32	12	52	20	300
181022150	22	33	12	82	20	100
181028150	28	36	13	112	10	100
181035150	35	37	11	123	10	60
181042150	42	42	12	175	4	40
181054150	54	49	12	268	2	20
181076150C	76,1	87,5	32,5	777	2	2
181088150C	88,9	100,5	40,5	1032	2	2
181108150C	108	109,5	34,5	1412	2	2

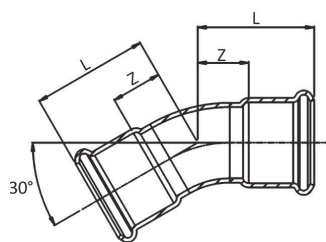

181/151
≤54 B 10 11
76÷108 B 10 12
CURVA 15° MF

- 15° ELBOW MF
- BOGEN 15° IA
- COUDE MF 15°
- CURVA 15° HM

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

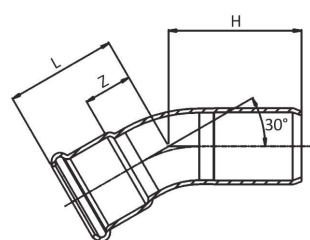
CODE	De mm	L mm	H mm	Z mm			
181015151	15	30	40	10	50	20	300
181022151	22	33	41	12	82	20	100
181028151	28	36	43	13	112	10	100
181035151	35	37	41	11	133	10	60
181042151	42	42	55,5	12	165	4	40
181054151	54	49	55	13	293	2	20
181076151C	76,1	87,5	95,5	32,5	743	2	2
181088151C	88,9	100,5	108,5	40,5	988	2	2
181108151C	108	109,5	118	34,5	1332	2	2

**181/300**
≤54 B 10 11
76÷108 B 10 12
CURVA 30° FF

- 30° ELBOW FF
- BOGEN 30° II
- COUDE FF 30°
- CURVA 30° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

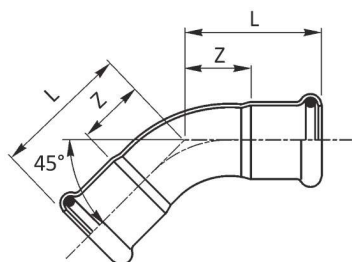
CODE	De mm	L mm	Z mm			
181015300	15	33	13	50	20	300
181018300	18	32	12	52	20	300
181022300	22	37	16	82	20	100
181028300	28	41	18	112	10	100
181035300	35	37	11	123	10	60
181042300	42	44	14	175	4	40
181054300	54	52	17	268	2	20
181076300	76,1	100	45	900	2	2
181088300	88,9	115	64	1250	2	2
181108300	108	127	68	1700	2	2

**181/301**
≤54 B 10 11
76÷108 B 10 12
CURVA 30° MF

- 30° ELBOW MF
- BOGEN 30° IA
- COUDE MF 30°
- CURVA 30° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	H mm	Z mm			
181015301	15	33	43	13	50	20	300
181022301	22	37	46	16	82	20	100
181028301	28	41	48	18	112	10	100
181035301	35	37	46	11	133	10	60
181042301	42	44	54	14	195	4	40
181054301	54	52	63	17	293	2	20
181076301	76,1	100	108	45	900	2	2
181088301	88,9	115	123	64	1250	2	2
181108301	108	127	136	68	1700	2	2


181/450
CURVA 45° FF

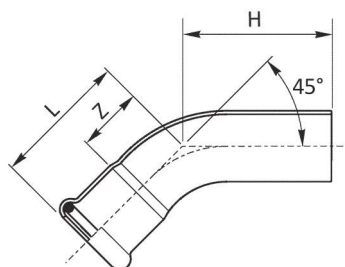
- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

CODE	De mm	Radius	L mm	Z mm			
181015450C	15	1,2 De	27,5	7,5	39	20	400
181018450C	18	1,2 De	29,5	9,5	48	20	300
181022450C	22	1,2 De	32	11	63	20	200
181028450C	28	1,2 De	37	14	90	10	100
181035450	35	1,2 De	43	17	127	10	60
181042450	42	1,2 De	51	21	177	4	40
181054450	54	1,2 De	62	30	273	2	20
181076450	76,1	1,2 De	131,5	76,5	900	2	2
181088450	88,9	1,2 De	144	84	1250	2	2
181108450	108	1,2 De	169	94	1700	2	2
181139450	139,7	-	203	108	3052	1	1
181168450	168,3	-	252	139	4556	1	1


181/451
CURVA 45° MF

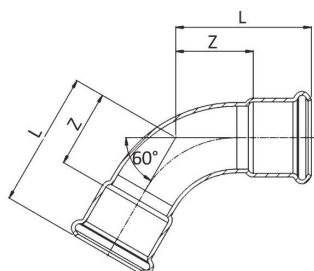
- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

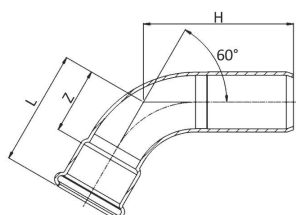
CODE	De mm	Radius	L mm	H mm	Z mm			
181015451C	15	1,2 De	27,5	36	7,5	38	20	400
181018451C	18	1,2 De	29,5	38	9,5	47	20	300
181022451C	22	1,2 De	32	42	11	63	20	200
181028451C	28	1,2 De	37	46	14	90	10	100
181035451	35	1,2 De	43	57,5	17	132	10	60
181042451	42	1,2 De	51	72	21	196	4	40
181054451	54	1,2 De	62	82	26	296	2	20
181076451	76,1	1,2 De	131,5	149	76,5	900	2	2
181088451	88,9	1,2 De	144	159	84	1250	2	2
181108451	108	1,2 De	169	199	94	1700	2	2
181139451	139,7	-	203	210	108	2947	1	1
181168451	168,3	-	252	261	139	4346	1	1

**181/600**
≤54 B 10 11
76÷108 B 10 12
CURVA 60° FF

- 60° ELBOW FF
- BOGEN 60° II
- COUDE FF 60°
- CURVA 60° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

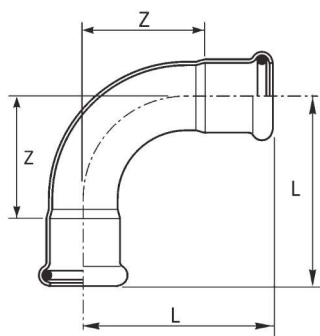
CODE	De mm	L mm	Z mm			
181015600	15	30,5	10,5	41	20	300
181018600	18	32	12	50	20	300
181022600	22	36	15	68	20	100
181028600	28	42	19	98	10	100
181035600	35	50	24	141	10	60
181042600	42	59	29	204	4	40
181054600	54	72,5	37	313	2	20
181076600	76,1	146,5	91,5	1178	2	2
181088600	88,9	162	102	1517	2	2
181108600	108	190	115	2194	2	2

**181/601**
≤54 B 10 11
76÷108 B 10 12
CURVA 60° MF

- 60° ELBOW MF
- BOGEN 60° IA
- COUDE MF 60°
- CURVA 60° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	H mm	Z mm			
181015601	15	30,5	39	10,5	40	20	300
181018601	18	32	41	12	50	20	300
181022601	22	36	46	15	68	20	100
181028601	28	42	51	19	98	10	100
181035601	35	50	64	24	149	10	60
181042601	42	59	80	29	220	4	40
181054601	54	72,5	92,5	37	332	2	20
181076601	76,1	146,5	164	91,5	1179	2	2
181088601	88,9	162	177	102	1503	2	2
181108601	108	190	205	115	2148	2	2


181/900
CURVA 90° FF

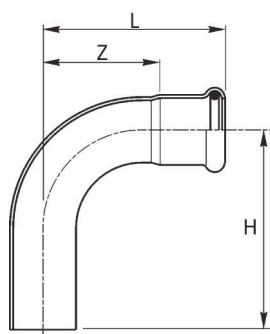
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

CODE	De mm	Radius	L mm	Z mm			
181015900C	15	1,2 De	38	18	46	20	400
181018900C	18	1,2 De	41,5	21,5	58	20	300
181022900C	22	1,2 De	47	26	78	10	150
181028900C	28	1,2 De	56	33	116	10	100
181035900	35	1,2 De	68	42	162	5	50
181042900	42	1,2 De	80	50	231	2	30
181054900	54	1,2 De	100	64	367	2	18
181076900	76,1	1,2 De	160	105	1150	2	2
181088900	88,9	1,2 De	182	122	1580	2	2
181108900	108	1,2 De	220	145	2250	2	2
181139900	139,7	-	314	219	4082	1	1
181168900	168,3	-	386	273	6059	1	1


181/901
CURVA 90° MF

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

CODE	De mm	Radius	L mm	H mm	Z mm			
181015901C	15	1,2 De	38	48	18	46	20	400
181018901C	18	1,2 De	41,5	48,5	21,5	56	20	300
181022901C	22	1,2 De	47	57	26	79	10	150
181028901C	28	1,2 De	56	64	33	115	10	100
181035901	35	1,2 De	68	82	42	176	5	50
181042901	42	1,2 De	80	101	50	253	2	30
181054901	54	1,2 De	100	120	64	390	2	18
181076901	76,1	1,2 De	160	180	105	1150	2	2
181088901	88,9	1,2 De	182	197	122	1580	2	2
181108901	108	1,2 De	220	236	145	2250	2	2
181139901	139,7	-	314	322	219	3984	1	1
181168901	168,3	-	386	395	273	5991	1	1

OVERSIZE

5"-6"

Ø 139,7

Ø 168,3

inoxPRES®

AISI 316L Stainless Steel



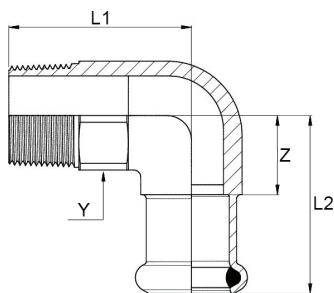
DVGW

inoxPRES

Ø 168.3

316-L

141800

B 10 11

197
GOMITO MISTO 90° FILETTO M

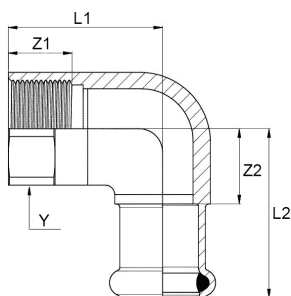
- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
197102015	15 x 1/2"	37	36	16	22	87	10	200
197102018	18 x 1/2"	37	36	16	22	93	10	200
197102022	22 x 1/2"	41	37	16	22	106	10	100
197304022	22 x 3/4"	44	43	22	28	164	10	100
197304028	28 x 3/4"	44	45	22	28	195	5	50
197100028	28 x 1"	56	50	27	36	332	5	50
197114035	35 x 1 1/4"	63	76,5	50,5	46	476	5	40
197112042	42 x 1 1/2"	67,5	80	50	50	533	2	30
197200054	54 x 2"	78,5	91,5	56	65	899	2	20

B 10 11

198
GOMITO MISTO 90° FILETTO M

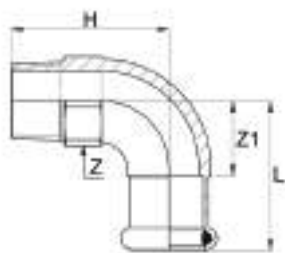
- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
198102015	15 x 1/2"	33	36	15	16	24	92	10	100
198304015	15 x 3/4"	38	42	19	22	30	139	10	100
198102018	18 x 1/2"	33	36	15	16	24	99	10	100
198102022	22 x 1/2"	33	37	15	16	24	106	10	100
198304022	22 x 3/4"	38	43	19	22	30	154	10	100
198102028	28 x 1/2"	33	39	15	16	24	126	5	50
198100028	28 x 1"	48	50	21	27	38	309	5	50
198114035	35 x 1 1/4"	48	76,5	21	50,5	46	379	5	40
198112042	42 x 1 1/2"	51	80	21	50	50	390	2	20
198200054	54 x 2"	66	92	26	56	65	749	2	10



186

CURVA FILETTATA 90° FILETTO M

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

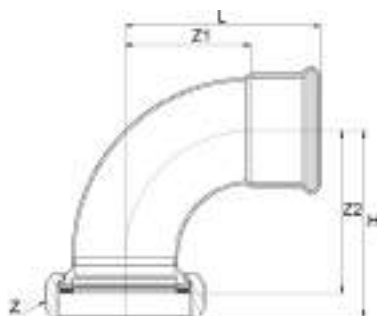
MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	Radius	L mm	Z mm	Z1 mm	H mm			
186102015C*	15 x 1/2"	1,2 D	36	22	17	39	85	20	200
186102018C*	18 x 1/2"	1,2 D	40	24	20	42	103	20	200
186304022C*	22 x 3/4"	1,2 D	45	28	24	48,5	151	10	100
186100028C*	28 x 1"	1,2 D	53	36	30	62,5	274	10	50
186100035	35 x 1"	1,2 D	68	41	42	85	277	5	50
186114035	35 x 1"1/4	1,2 D	68	46	42	89	324	5	40
186114042	42 x 1"1/4	1,2 D	80	50	50	107	438	2	20
186112042	42 x 1"1/2	1,2 D	80	55	50	107	340	2	20
186200054	54 x 2"	1,2 D	100	65	65	141,5	515	2	12

[*] senza saldatura – seamless – nahtlos – sans soudure – sin soldadura



186/R

CURVA 90° CON DADO FOLLE

- 90° ELBOW WITH VALVE CONNECTOR
- BOGEN 90° MIT ANSCHLUSSVERSCHRAUBUNG
- COUDE 90° AVEC ÉCROU LIBRE
- CODO A 90° CON TUERCA LOCA

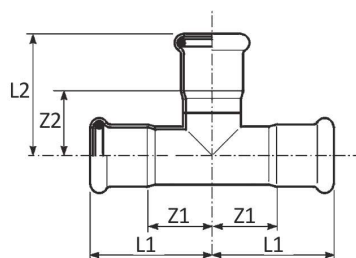
MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

GASKET: [*]: EPDM nero – black – Schwarz – noir – negro

THREAD: ISO 228/1 (ex DIN 259)

CODE	De x G mm x inch	L mm	H mm	Z mm	Z1 mm	Z2 mm	Gasket mm			
186042134R	42 x 1"3/4	80	77,5	58	50	67,5	50,5x40 thk 2,5	345	1	16
186054238R	54 x 2"3/8	100	96	75	64,5	83,5	65,5x53,5 thk 3	589	1	10


182
"T"

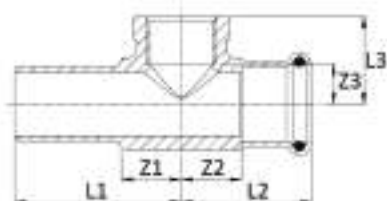
- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: AISI 316L - 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
182015000	15	34	39	14	19	67	20	200
182018000	18	37	41	16	21	80	20	100
182022000	22	39	45	18	24	106	10	100
182028000	28	44	50	21	27	145	10	50
182035000	35	51	57	25	31	201	4	32
182042000	42	59	65	28	35	260	4	20
182054000	54	70	77	34	42	404	2	12
182076000	76,1	108	118	53	63	1275	2	2
182088000	88,9	132	131	72	71	1535	2	2
182108000	108	155	160	80	85	2115	2	2
182139000	139,7	197	222	102	127	4129	1	1
182168000	168,3	257	268	144	155	6321	1	1


189/MF
"T" CON DERIVAZIONE FILETTO FEMMINA ED ESTREMITÀ MASCHIO

- BRANCH TEE FEMALE BSP OUTLET WITH PLUG-IN END
- T-STÜCK MIT ABGANG IG UND EINSTECKENDE
- TÉ MIXTE AVEC FILETAGE FEMELLE ET EMBOUT MÂLE
- TE HEMBRA ROSCADA CON EXTREMO INSERTABLE

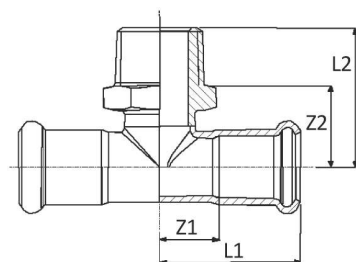
MATERIAL: AISI 316L - 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 [ex ISO 7/1]

B 10 11

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	L3 mm	Z1 mm	Z2 mm	Z3 mm			
189102022MF	22 x 1/2" x 22	50	39	26	18	18	12	161	5	50
189304028MF	28 x 3/4" x 28	58	44	30	21	21	14	227	5	50


189/M
"T" CON DERIVAZIONE FILETTO M

- BRANCH TEE MALE BSP OUTLET
- T-STÜCK MIT ABGANG AG
- TÉ MIXTE AVEC FILETAGE M
- TE ROSCADO MACHO

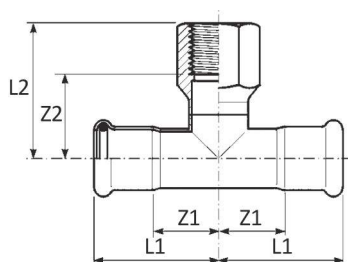
MATERIAL: AISI 316L - 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 [ex ISO 7/1]

B 10 11

CODE	De x R x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189102015M	15 x 1/2" x 15	34,5	34	14,5	20	80	20	100



189

**"T" CON DERIVAZIONE
FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

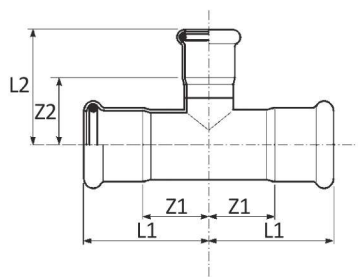
≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189102015*	15 x 1/2" x 15	36,5	22,5	16,5	8,5	117	20	100
189102018*	18 x 1/2" x 18	36	24	16	10	128	20	100
189304018*	18 x 3/4" x 18	38,5	26	18,5	11	147	20	100
189102022*	22 x 1/2" x 22	39	26	18	12	159	10	100
189304022*	22 x 3/4" x 22	41,5	30	20,5	14	184	10	100
189102028*	28 x 1/2" x 28	44	29	21	15	217	10	50
189304028*	28 x 3/4" x 28	44	30	21	14	221	10	50
189100028*	28 x 1" x 28	44	34	21	16	266	5	50
189102035	35 x 1/2" x 35	51	51	25	36	197	5	50
189304035	35 x 3/4" x 35	51	54	25	37	205	5	40
189100035	35 x 1" x 35	51	56	25	37	282	5	40
189102042	42 x 1/2" x 42	59	54	29	39	271	4	32
189304042	42 x 3/4" x 42	59	57	29	41	277	4	32
189100042	42 x 1" x 42	59	60	29	41	346	4	32
189102054	54 x 1/2" x 54	70	61	34	46	377	2	14
189304054	54 x 3/4" x 54	70	64	34	48	391	2	14
189200054	54 x 2" x 54	70	81	34	55	838	2	10
189304076	76,1 x 3/4" x 76,1	108	77	53	60	1040	2	2
189100076	76,1 x 1" x 76,1	108	79	53	60	1063	2	2
189200076	76,1 x 2" x 76,1	108	93	53	67	1495	2	2
189304088	88,9 x 3/4" x 88,9	132	84	72	67	1255	2	2
189200088	88,9 x 2" x 88,9	132	100	72	74	1720	2	2
189304108	108 x 3/4" x 108	155	94	80	77	1700	2	2
189200108	108 x 2" x 108	155	110	80	84	2160	2	2
189100139	139,7 x 1" x 139,7	197	107	102	88	3126	1	1
189200139	139,7 x 2" x 139,7	197	130	102	104	3623	1	1
189100168	168,3 x 1" x 168,3	257	120	144	101	4827	1	1
189200168	168,3 x 2" x 168,3	257	143	144	117	5325	1	1

[*] senza saldatura - seamless - nahtlos - sans soudure - sin soldadura

**192****"T" RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

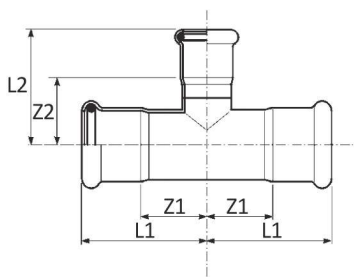
MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192018015	18 x 15 x 18	36,5	41	15,5	21	80	20	100
192022015	22 x 15 x 22	39	43	18	23	95	10	100
192022018	22 x 18 x 22	39	44	18	23	98	10	100
192028015	28 x 15 x 28	44	46	21	26	126	10	50
192028018	28 x 18 x 28	44	46	21	26	130	10	50
192028022	28 x 22 x 28	44	47	21	26	135	10	50
192035015	35 x 15 x 35	51	49	25	29	158	5	50
192035018	35 x 18 x 35	51	50	25	30	163	5	50
192035022	35 x 22 x 35	51	51	25	30	167	5	50
192035028	35 x 28 x 35	51	54	25	31	171	5	35
192042018	42 x 18 x 42	59	54	29	34	232	4	20
192042022	42 x 22 x 42	59	54	29	33	237	4	20
192042028	42 x 28 x 42	59	57	29	34	243	4	20
192042035	42 x 35 x 42	59	61	29	35	272	4	20
192054018	54 x 18 x 54	70	61	34	41	335	2	16
192054022	54 x 22 x 54	70	62	34	41	340	2	16
192054028	54 x 28 x 54	70	65	34	42	345	2	16
192054035	54 x 35 x 54	70	68	34	42	361	2	16
192054042	54 x 42 x 54	70	72	34	42	376	2	16
192076022	76,1 x 22 x 76,1	108	74	53	53	995	2	2
192076028	76,1 x 28 x 76,1	108	77	53	54	1015	2	2
192076035	76,1 x 35 x 76,1	108	80	53	54	1025	2	2
192076042	76,1 x 42 x 76,1	108	84	53	54	1045	2	2
192076054	76,1 x 54 x 76,1	108	91	53	55	1065	2	2
192088022	88,9 x 22 x 88,9	132	81	72	60	1220	2	2
192088028	88,9 x 28 x 88,9	132	84	72	61	1225	2	2
192088035	88,9 x 35 x 88,9	132	88	72	62	1245	2	2
192088042	88,9 x 42 x 88,9	132	91	72	61	1255	2	2
192088054	88,9 x 54 x 88,9	132	98	72	63	1280	2	2
192088076	88,9 x 76,1 x 88,9	132	125	72	70	1485	2	2
192108022	108 x 22 x 108	155	91	80	70	1665	2	2
192108028	108 x 28 x 108	155	94	80	71	1670	2	2
192108035	108 x 35 x 108	155	97	80	71	1775	2	2
192108042	108 x 42 x 108	155	101	80	71	1865	2	2
192108054	108 x 54 x 108	155	108	80	72	1925	2	2
192108076	108 x 76,1 x 108	155	135	80	80	1930	2	2
192108088	108 x 88,9 x 108	155	144	80	84	1965	2	2

**192****“T” RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

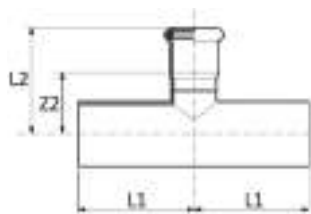
MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192139035	139,7 x 35 x 139,7	197	117	102	91	3083	1	1
192139076	139,7 x 76,1 x 139,7	197	155	102	100	3340	1	1
192139088	139,7 x 88,9 x 139,7	197	164	102	104	3435	1	1
192139108	139,7 x 108 x 139,7	197	180	102	105	3631	1	1
192168035	168,3 x 35 x 168,3	257	130	144	104	4784	1	1
192168076	168,3 x 76,1 x 168,3	257	169	144	114	5050	1	1
192168088	168,3 x 88,9 x 168,3	257	178	144	118	5146	1	1
192168108	168,3 x 108 x 168,3	257	194	144	119	5340	1	1
192168139	168,3 x 139,7 x 168,3	257	221	144	126	5681	1	1

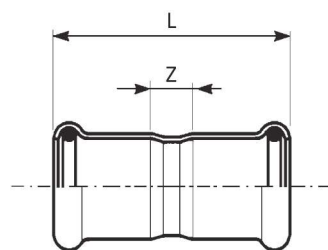
**188****“T” RIDOTTO MFM**

- REDUCING TEE MFM
- T-STÜCK MIT REDUZIERTEM ABGANG A/I/A
- TÉ RÉDUIT MFM
- TE REDUCIDA MHM

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

B 10 11

CODE	De mm	L1 mm	L2 mm	Z2 mm			
188028022	28 x 22 x 28	52,5	47	26	138	10	50
188035022	35 x 22 x 35	60	50,5	29,5	185	5	35
188035028	35 x 28 x 35	60	53,5	30,5	193	5	35
188042028	42 x 28 x 42	69	57	34	256	4	20
188054028	54 x 28 x 54	73,5	64,5	41,5	334	2	16

**183/000****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

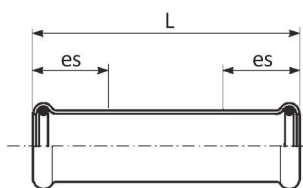
MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De mm	L mm	Z mm			
183015000	15	49	9	35	20	500
183018000	18	50	10	42	20	300
183022000	22	53	11	54	20	200
183028000	28	56	10	71	10	150
183035000	35	63	10	97	10	100
183042000	42	72	12	136	4	60
183054000	54	83	13	198	2	24
183076000	76,1	142	32	635	4	4
183088000	88,9	166	46	765	4	4
183108000	108	203	41	1170	2	2
183139000	139,7	250	60	2031	1	1
183168000	168,3	300	74	2936	1	1

**183/001****MANICOTTO
PASSANTE**

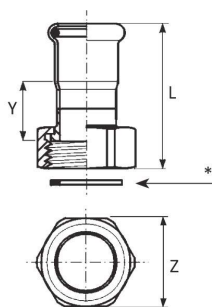
- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

≤54 B 10 11

76÷108 B 10 12

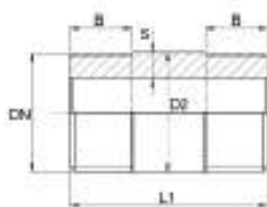
CODE	De mm	L mm	es mm			
183015001	15	81	25	56	20	200
183018001	18	81	25	66	20	200
183022001	22	84,5	25	83	20	100
183028001	28	92	30	114	10	100
183035001	35	102,5	30	153	10	50
183042001	42	117,5	40	217	4	40
183054001	54	139	40	321	2	20
183076001	76,1	230	60	940	2	2
183088001	88,9	260	70	1240	2	2
183108001	108	310	80	1835	2	2

**183/002****B 10 11****MANICOTTO CON DADO FOLLE**

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** ISO 228/1 (ex DIN 259)

CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
183015012	15 x 1/2"	48,5	27	23	18x10 thk 2,5	83	10	250
183015002	15 x 3/4"	50	30	23	24x14 thk 2,5	66	10	250
183018012	18 x 1/2"	49	27	23,5	18x10 thk 2,5	91	10	250
183018002	18 x 3/4"	50	30	23,5	24x14 thk 2,5	65	10	250
183022012	22 x 3/4"	50	30	19,5	24x14 thk 2,5	78	10	200
183022002	22 x 1"	52	36	23	30x20 thk 2,5	87	10	200
183028012	28 x 1"	52	36	19,5	30x20 thk 2,5	105	10	150
183028002	28 x 1 1/4"	57	46	25	39x27 thk 2,5	136	10	150
183028022	28 x 1 1/2"	59	52	22,5	44,5x27 thk 2,5	197	10	50
183035012	35 x 1 1/4"	57,5	46	20,5	39x27 thk 2,5	163	4	60
183035002	35 x 1 1/2"	63	52	26	44,5x34 thk 2,5	186	4	60
183042022	42 x 1 1/2"	63,5	52	21	44,5x34 thk 2,5	217	2	30
183042012	42 x 1 3/4"	68	58	27	50,5x40 thk 2,5	223	2	30
183042002	42 x 2"	68	64	27	56x42 thk 2,5	266	2	30
183054022	54 x 2"	72	64	23	56x42 thk 2,5	301	2	20
183054012	54 x 2 3/8"	77	75	30	65,5x53,5 thk 3	375	2	20
183054002	54 x 2 1/2"	77	81	30	71,5x53 thk 3	439	2	20

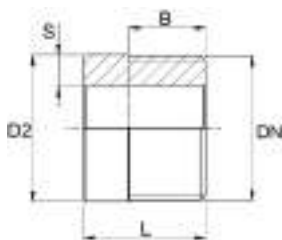
**530/I Inoxpres****B 10 11****VITE DI ALLUNGAMENTO (BARILOTTO)**

- BARREL NIPPLE
- ROHRDOPPELNIPPEL
- MAMELON
- ENTRONQUE DOBLE

MATERIAL: AISI 316 - 1.4401**THREAD:** ISO 228/1 (ex DIN 259)

CODE	DN inch	L1 mm	S mm	B mm	D2 mm			
530100070I	1"	70	7,9	22	33,8	347	1	10
530114070I	1 1/4"	70	9,2	22	42,4	522	1	8
530112070I	1 1/2"	70	8,7	22	48,3	586	1	8
530134070I	1 3/4"	70	8	22	54	635	1	6
530238070I	2 3/8"	70	10	22	70	1026	1	6

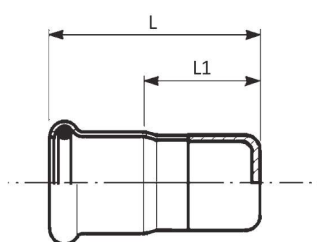
B 10 11

**600/I Inoxpres****TRONCHETTO**

- WELDING NIPPLE
- ANSCHWEISSENDE
- DEMI MAMELON
- ENTRONQUE

MATERIAL: AISI 316 - 1.4401**THREAD:** ISO 228/1 (ex DIN 259)

CODE	DN inch	L mm	S mm	B mm	D2 mm			
600100035I	1"	35	7,9	22	33,8	174	1	30
600114035I	1 1/4"	35	9,2	22	42,4	261	1	20
600112035I	1 1/2"	35	8,7	22	48,3	293	1	10
600134035I	1 3/4"	35	8	22	54	318	1	10
600238035I	2 3/8"	35	10	22	70	513	1	10

**183/003****TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

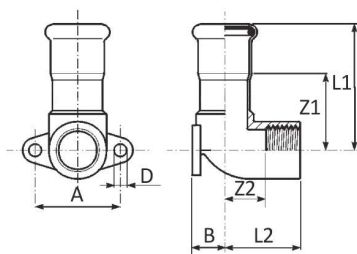
≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De mm	L mm	L1 mm			
183015003	15	26	5	26	20	500
183018003	18	26	5	32	20	300
183022003	22	27	5	43	10	200
183028003	28	29	5	61	10	150
183035003	35	52	26	95	5	100
183042003	42	56	26	126	4	80
183054003	54	62	27	185	4	40
183076003	76,1	93	38	540	2	10
183088003	88,9	102	42	654	2	10
183108003	108	117	42	935	2	2
183139003	139,7	162	67	1380	1	1
183168003	168,3	199	86	2038	1	1

B 10 11

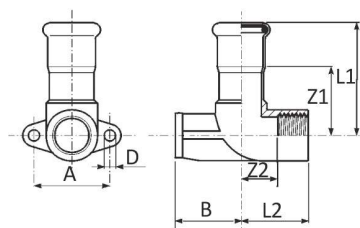
**185/000****GOMITO MISTO 90° FF**

- WALL PLATE ELBOW 90° FF
- DECKENWINKEL 90° I/I
- EQUERRE 90° FF
- CODO PLACA HH

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102015	15 x 1/2"	50	30	30	17	34	13	5	98	10	150
185102018	18 x 1/2"	51	30	31	17	34	13	5	109	10	150
185304022	22 x 3/4"	55	34	34	19	40	17	6	166	10	100

B 10 11

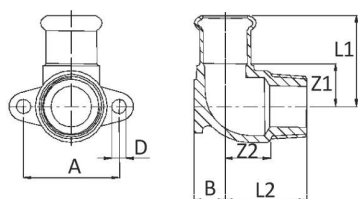
**185/001****GOMITO MISTO 90° FF CON DISTANZIALE**

- EXTENSION WALL PLATE ELBOW 90° FF
- DECKENWINKEL 90°/W - I/I
- EQUERRE 90° FF AVEC SUPPORT D'AVANCEMENT
- CODO PLACA HH CON ESPACIADOR

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102115	15 x 1/2"	50	30	30	17	34	35	5	146	10	150
185102118	18 x 1/2"	51	30	31	17	34	35	5	142	10	150
185304122	22 x 3/4"	55	34	34	19	40	31	6	182	10	100

B 10 11

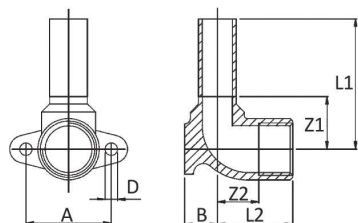
**185/002****GOMITO MISTO 90° FM**

- WALL PLATE ELBOW 90° FM
- DECKENWINKEL 90° I/A
- EQUERRE 90° FM
- CODO PLACA HM

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185304218	18 x 3/4"	38	34	18	19	40	13	6	160	10	100

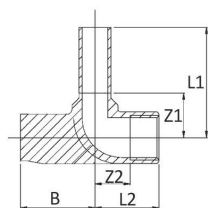
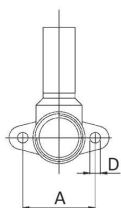
B 10 11

**185/000 M****GOMITO MISTO 90° MF**

- WALL PLATE ELBOW 90° MF
- DECKENWINKEL 90° A/I
- EQUERRE 90° MF
- CODO PLACA MH

MATERIAL: AISI 316L - 1.4404**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102015M	15 x 1/2"	52	30	21	16,5	34	13	5	100	10	200
185102018M	18 x 1/2"	52	30,5	21	17	34	12,5	5	95	10	200
185304022M	22 x 3/4"	55	34	24	19	40	17	6	144	10	100

B 10 11


185/001 M

GOMITO MISTO 90° MF CON DISTANZIALE

- EXTENSION WALL PLATE ELBOW 90° MF
- DECKENWINKEL 90°/W A/I
- EQUERRE 90° MF AVEC SUPPORT D'AVANCEMENT
- CODO PLACA MH CON ESPACIADOR

MATERIAL: AISI 316L – 1.4404
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102115M	15 x 1/2"	52	30	21	16,5	34	35	5	135	10	150
185102118M	18 x 1/2"	52	30	21	16,5	34	35	5	130	10	150
185304122M	22 x 3/4"	55	34	24	19	40	31	6	166	10	100

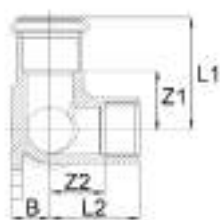
B 10 11

185/003

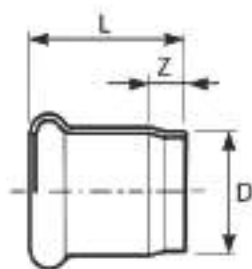
RACCORDO TRE VIE CON FLANGIA E DERIVAZIONE FILETTO F

- CORNER TEE WITH WALL FLANGE
- INOXPRES-DOPPELWANDSCHEIBE
- EQUERRE MURALE AVEC FILETAGE FEMELLE
- RACOR TRES VÍAS CON BRIDA Y ROSCA HEMBRA

MATERIAL: AISI 316L – 1.4404
O-RING: EPDM nero - black - Schwarz - noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102315	15 x 1/2" x 15	43	32	23	18,5	40	13	6	175	10	100
185102318	18 x 1/2" x 18	41	32	21	18,5	40	13	6	165	10	50
185102322	22 x 1/2" x 22	44	35	23	21,5	40	15	6	216	5	50

**187/R****MEZZO MANICOTTO A
SALDARE**

- HALF WELDING COUPLING
- HALBE LAENGE SCHWEISSMUFFE
- DEMI MANCHON À SOUDER
- MEDIO MANGUITO PARA SOLDAR

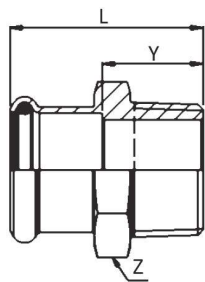
MATERIAL: AISI 316L – 1.4404**O-RING:** assente - absent - Abwesend -
absent - ausente

≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

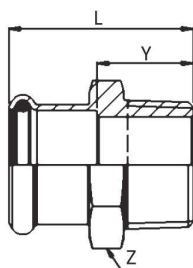
CODE	De mm	D mm	L mm	Z mm	 g		
187015000R	15	17,2	29	9	20	20	400
187018000R	18	20	29,5	9,5	24	20	300
187022000R	22	24	30,5	9,5	30	20	200
187028000R	28	30	33,5	10,5	40	20	200
187035000R	35	37	37,5	11,5	52	10	100
187042000R	42	44	41	11	74	10	50
187054000R	54	56	48	12	104	10	50
187076000R	76,1	76,1	74,5	19,5	308	4	24
187088000R	88,9	88,9	84	24	404	2	20
187108000R	108	108	100	25	614	1	4
187139000R	139,7	139,7	127	32	986	1	1
187168000R	168,3	168,3	159	46	1449	1	1

**187****≤54 B 10 11****76÷108 B 10 12****MANICOTTO MISTO
FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

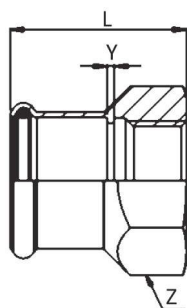
CODE	De x R mm x inch	L mm	Z mm	Y mm			
187308015	15 x 3/8"	38	24	18	48.0	20	400
187102015	15 x 1/2"	41	24	21	58.0	20	300
187304015	15 x 3/4"	43	30	23	107.0	20	200
187102018	18 x 1/2"	41	27	21	60.0	20	300
187304018	18 x 3/4"	44	30	24	99.0	20	200
187102022	22 x 1/2"	42	32	21	86.0	10	200
187304022	22 x 3/4"	44	32	23	88.0	10	200
187100022	22 x 1"	46	36	25	156.0	10	100
187102028	28 x 1/2"	46	38	23	119.0	10	100
187304028	28 x 3/4"	47	38	24	118.0	10	100
187100028	28 x 1"	48	38	25	129.0	10	100
187114028	28 x 1 1/4"	53	46	30	269.0	5	60
187100035	35 x 1"	52	45	25	170.0	5	100
187114035	35 x 1 1/4"	55	46	28	201.0	5	50
187112035	35 x 1 1/2"	55	50	28	296.0	4	60
187114042	42 x 1 1/4"	59	55	28	263.0	4	40
187112042	42 x 1 1/2"	59	54	28	256.0	4	40
187112054	54 x 1 1/2"	65	65	29	371.0	4	32
187200054	54 x 2"	71	65	35	391.0	4	32
187212076	76,1 x 2 1/2"	98	83	43	769.0	2	8
187300088	88,9 x 3"	111	98	51	1218.0	2	4
187400108	108 x 4"	132	118	57	1842.0	2	2

**187 NPT****B 10 11****MANICOTTO MISTO FILETTO M NPT**

- MALE ADAPTER NPT
- ÜBERGANGSSTÜCK MIT AG NPT
- RACCORD AVEC FILETAGE MALE NPT
- UNIÓN MACHO NPT

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** NPT – ANSI B 1.20.1

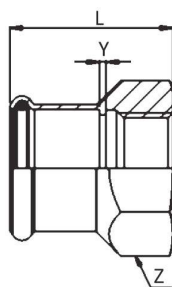
CODE	De x R mm x inch	L mm	Z mm	Y mm			
18730815NPT	15 x 3/8"	38	24	18	47.0	20	400
18710215NPT	15 x 1/2"	41	24	21	59.0	20	300
18710218NPT	18 x 1/2"	41	27	21	62.0	20	300
18730422NPT	22 x 3/4"	44	32	23	91.0	10	200
18710028NPT	28 x 1"	48	38	25	129.0	10	100
18711435NPT	35 x 1 1/4"	55	46	28	200.0	5	50
18711242NPT	42 x 1 1/2"	59	55	28	261.0	4	40
18720054NPT	54 x 2"	71	65	35	392.0	4	32

**190****B 10 11****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
190102015	15 x 1/2"	38	27	2	63.0	20	300
190304015	15 x 3/4"	39	32	2	76.0	20	300
190102018	18 x 1/2"	38	27	2	65.0	20	300
190304018	18 x 3/4"	39	32	2	77.0	10	200
190102022	22 x 1/2"	39	32	2	99.0	20	200
190304022	22 x 3/4"	40	32	2	79.0	10	150
190100022	22 x 1"	43	41	2	142.0	10	100
190102028	28 x 1/2"	41	38	2	156.0	10	100
190304028	28 x 3/4"	42	38	2	129.0	10	100
190100028	28 x 1"	45	41	2	139.0	10	100
190114028	28 x 1 1/4"	48	46	2	143.0	10	100
190100035	35 x 1"	49	46	2	207.0	5	100
190114035	35 x 1 1/4"	52	46	2	156.0	5	50
190112035	35 x 1 1/2"	52	55	2	237.0	4	40
190114042	42 x 1 1/4"	56	55	2	309.0	4	40
190112042	42 x 1 1/2"	56	55	2	243.0	4	40
190112054	54 x 1 1/2"	60	65	1	438.0	4	32
190200054	54 x 2"	65	65	2	317.0	4	20



190 NPT

B 10 11

MANICOTTO MISTO FILETTO F NPT

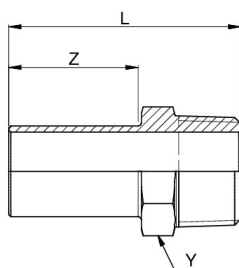
- FEMALE ADAPTER NPT
- ÜBERGANGSSTÜCK MIT IG NPT
- RACCORD AVEC FILETAGE FEMELLE NPT
- UNIÓN HEMBRA NPT

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

THREAD: NPT – ANSI B 1.20.1

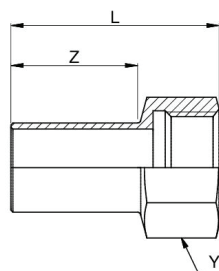
CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
19010215NPT	15 x 1/2"	38	27	18	64.0	20	300
19010218NPT	18 x 1/2"	38	27	18	67.0	20	300
19030422NPT	22 x 3/4"	40	32	19	87.0	10	150
19010028NPT	28 x 1"	50	41	27	173.0	10	100
19011435NPT	35 x 1 1/4"	49	46	22	167.0	5	50
19011242NPT	42 x 1 1/2"	56	55	25	256.0	4	40
19020054NPT	54 x 2"	65	65	29	351.0	4	20

**269/M****B 10 11****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: AISI 316L – 1.4404
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm			
269102115	15 x 1/2"	52	31	22	55	20	300
269102118	18 x 1/2"	52	31	22	50	20	300
269304118	18 x 3/4"	55	31	27	95	20	200
269102122	22 x 1/2"	55	32	27	69	10	200
269304122	22 x 3/4"	56	32	27	80	10	200
269304128	28 x 3/4"	61	37	30	97	10	150
269100128	28 x 1"	64	37	38	145	10	100
269114135	35 x 1 1/4"	72	41	45	238	4	40
269112142	42 x 1 1/2"	91	55	55	292	4	40
269200154	54 x 2"	127	83	65	463	4	20

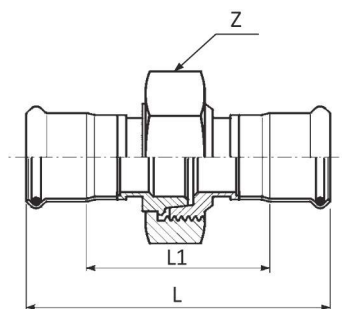
**269/F****B 10 11****MANICOTTO CON INSERIMENTO FILETTO F**

- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: AISI 316L – 1.4404
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
269102015	15 x 1/2"	52	31	24	55	20	300
269102018	18 x 1/2"	52	31	24	56	20	200
269304018	18 x 3/4"	51	31	30	57	20	200
269102022	22 x 1/2"	52	32	24	65	10	200
269304022	22 x 3/4"	52	32	30	70	10	200
269304028	28 x 3/4"	57	37	30	76	10	150
269100028	28 x 1"	57	35	36	104	10	100
269114035	35 x 1 1/4"	70	45	46	182	5	50
269112042	42 x 1 1/2"	118	78	55	280	4	40
269200054	54 x 2"	135	83	70	340	2	10

B 10 11

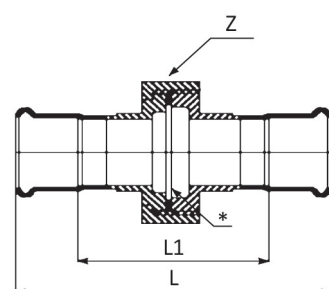
**184/000****BOCCHETTONE SEDE CONICA**

- CONICAL UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN KONISCH
- ÉLÉMENT DE TRANSITION FILTÉ CONIQUE AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS CONICO

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	L1 mm	Z mm			
184015000	15	96	56	34	146	10	100
184018000	18	97	57	39	192	10	100
184022000	22	99	57	39	202	10	50
184028000	28	116	70	58	468	5	25
184035000	35	123	71	67	618	4	20
184042000	42	138	78	77	824	2	20
184054000	54	154	84	90	1178	2	10

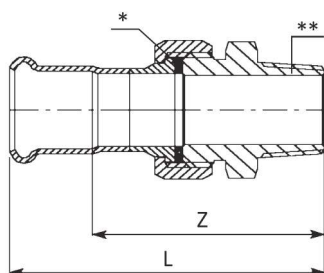
B 10 11

**184/001****BOCCHETTONE SEDE PIANA**

- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** (*): EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	L1 mm	Z mm	Gasket mm			
184015001	15	96	56	34	24x14 thk 2,5	146	10	120
184018001	18	97	57	39	30x20 thk 2,5	187	10	100
184022001	22	100	58	39	30x20 thk 2,5	194	10	100
184028001	28	117	71	58	47,5x37 thk 2,5	450	5	30
184035001	35	127	75	67	56x42 thk 2,5	617	4	20
184042001	42	140	80	77	66x56 thk 2,5	797	2	20
184054001	54	152	82	90	79,5x69 thk 2,5	1176	2	10



184/002

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSERGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L - 1.4404

FITTING: [**]: ottone - brass - Messing - laiton - latón

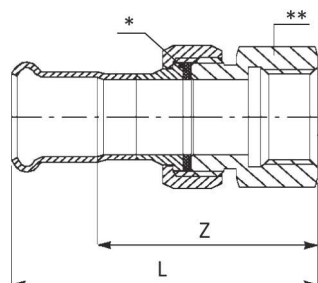
O-RING: EPDM nero - black - Schwarz - noir - negro

GASKET: [*]: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002	15 x 1/2"	77	56	24x14 thk 2,5	142	2	160
184018002	18 x 1/2"	77	56	24x14 thk 2,5	144	2	160
184022122	22 x 1/2"	79	54	30x20 thk 2,5	199	2	100
184022002	22 x 3/4"	81	59	30x20 thk 2,5	202	2	100
184028342	28 x 3/4"	87	64	39x27 thk 2,5	370	2	40
184028002	28 x 1"	90	67	39x27 thk 2,5	364	2	40
184035002	35 x 1 1/4"	101	74	44,5x34 thk 2,5	540	2	40
184042002	42 x 1 1/2"	105	74	50,5x40 thk 2,5	563	2	30
184054002	54 x 2"	118	83	65,5x53,5 thk 3	823	2	20

184/002 - non certificato SVGW - not certified SVGW - ohne Zertifizierung SVGW - sans certification SVGW - sin certificación SVGW



184/003

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L - 1.4404

FITTING: [**]: ottone - brass - Messing - laiton - latón

O-RING: EPDM nero - black - Schwarz - noir - negro

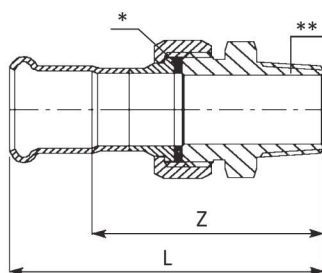
GASKET: [*]: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003	15 x 1/2"	71	50	24x14 thk 2,5	140	2	160
184018003	18 x 1/2"	72	51	24x14 thk 2,5	145	2	140
184022123	22 x 1/2"	75	54	30x20 thk 2,5	253	2	100
184022003	22 x 3/4"	76	54	30x20 thk 2,5	213	2	100
184028343	28 x 3/4"	83	60	39x27 thk 2,5	483	2	40
184028003	28 x 1"	83	60	39x27 thk 2,5	404	2	40
184035003	35 x 1 1/4"	93	66	44,5x30 thk 2,5	486	2	30
184042003	42 x 1 1/2"	97	66	56x42 thk 2,5	536	2	30
184054003	54 x 2"	116	81	65,5x53,5 thk 3	1091	2	20

184/003 - non certificato SVGW - not certified SVGW - ohne Zertifizierung SVGW - sans certification SVGW - sin certificación SVGW

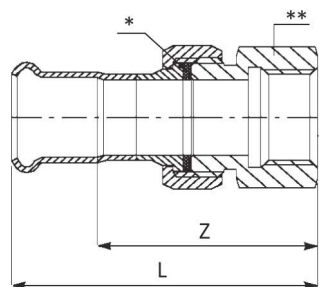
B 10 11

**184/002 INOX****BOCCHETTONE SEDE PIANA FILETTO M**

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

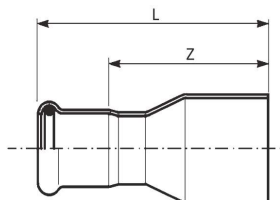
CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002I	15 x 1/2"	77	56	24x14 thk 2,5	137	2	160
184015012I	15 x 3/4"	77	57	24x14 thk 2,5	178	2	160
184018002I	18 x 1/2"	77	56	24x14 thk 2,5	139	2	160
184018012I	18 x 3/4"	77	57	24x14 thk 2,5	178	2	160
184022012I	22 x 1/2"	79	58	30x20 thk 2,5	217	2	100
184022002I	22 x 3/4"	81	59	30x20 thk 2,5	194	2	100
184022022I	22 x 1"	81	60	30x20 thk 2,5	257	2	80
184028002I	28 x 1"	90	67	39x27 thk 2,5	350	2	40
184035002I	35 x 1 1/4"	101	74	44,5x34 thk 2,5	518	2	40
184042002I	42 x 1 1/2"	102	71,5	44,5x34 thk 2,5	543	2	30
184054002I	54 x 2"	111	77	56x42 thk 2,5	842	2	20

**184/003 INOX****BOCCHETTONE SEDE PIANA FILETTO F**

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003I	15 x 1/2"	71	50	24x14 thk 2,5	135	2	160
184015013I	15 x 3/4"	74	54	24x14 thk 2,5	189	2	120
184018003I	18 x 1/2"	72	51	24x14 thk 2,5	140	2	140
184018013I	18 x 3/4"	75	55	24x14 thk 2,5	190	2	120
184022003I	22 x 3/4"	76	54	30x20 thk 2,5	206	2	100
184022013I	22 x 1"	79	58	30x20 thk 2,5	337	2	60
184028003I	28 x 1"	83	60	39x27 thk 2,5	387	2	40
184035003I	35 x 1 1/4"	93	66	44,5x34 thk 2,5	467	2	30
184042003I	42 x 1 1/2"	93	62,5	44,5x34 thk 2,5	488	2	30
184054003I	54 x 2"	111	77	56x42 thk 2,5	902	2	20

**191****RIDUZIONE MF**

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

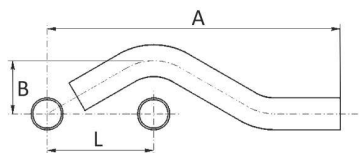
≤54 B 10 11

76÷108 B 10 12

≥139 B 10 17

CODE	De mm	L mm	Z mm			
191018015	18 x 15	57	37	35	20	500
191022015	22 x 15	64	44	43	20	400
191022018	22 x 18	60	40	47	20	300
191028015	28 x 15	76,5	56,5	50	20	200
191028018	28 x 18	68	48	63	20	200
191028022	28 x 22	65	44	66	20	200
191035015	35 x 15	87	67	89	10	100
191035018	35 x 18	81	61	87	10	100
191035022	35 x 22	70	49	90	10	100
191035028	35 x 28	71	48	98	10	100
191042015	42 x 15	91	71	111	4	100
191042018	42 x 18	92	72	114	4	80
191042022	42 x 22	97	76	120	4	80
191042028	42 x 28	93	70	130	4	80
191042035	42 x 35	81	55	138	4	40
191054015	54 x 15	103	83	158	4	40
191054018	54 x 18	103	83	162	4	40
191054022	54 x 22	104	83	169	4	40
191054028	54 x 28	108,5	85,5	180	4	40
191054035	54 x 35	108	82	193	4	40
191054042	54 x 42	97,5	67,5	210	4	32
191076042	76,1 x 42	149	119	471	4	4
191076054	76,1 x 54	159	124	529	4	4
191088054	88,9 x 54	179	144	683	4	4
191088076	88,9 x 76,1	186	131	813	4	4
191108054	108 x 54	185	150	831	2	2
191108076	108 x 76,1	209	154	1022	2	2
191108088	108 x 88,9	210	150	1107	2	2
191139076	139,7 x 76,1	356,5	301,5	2100	1	1
191139088	139,7 x 88,9	380	320	2319	1	1
191139108	139,7 x 108	345	270	2285	1	1
191168076	168,3 x 76,1	369	315	2515	1	1
191168088	168,3 x 88,9	380	320	2660	1	1
191168108	168,3 x 108	395	320	2945	1	1
191168139	168,3 x 139,7	422	327	3392	1	1

B 10 11



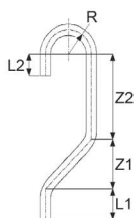
179

"S" DI SCAVALCAMENTO MM

- PIPE BRIDGE
- SPRUNGBOGEN
- "S" DE CHEVAUCHEMENT MALE
- "S" DE SUPERPOSICIÓN MM

MATERIAL: AISI 316L – 1.4404

CODE	De mm	L mm	A mm	B mm			
179015000	15	57	158	30	54	10	150
179018000	18	60	166	31	74	10	100
179022000	22	65	179	33	116	10	100
179028000	28	73	206	36	192	10	50



178

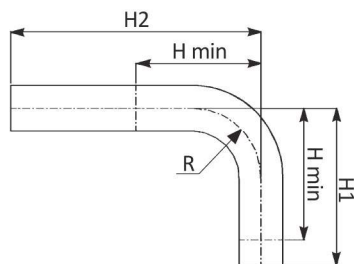
TUBO PER ARIA COMPRESSA

- PIPE FOR COMPRESSED AIR
- SPRUNGBOGEN FÜR DRUCKLUFT
- TUBE POUR L'AIR COMPRIMÉ
- TUBO DE AIRE

MATERIAL: AISI 316L – 1.4404

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm	R mm			
178015316	15	30	30	96	114	35	143	1	20
178018316	18	50	35	108	112	39	195	1	20
178022316	22	50	35	110	110	41	359	1	20
178028316	28	60	40	139	113	51	550	1	15

B 10 11



194/900

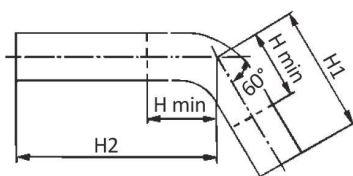
TUBO CURVO 90°

- 90° ELBOW MM
- PASSBOGEN 90°
- COUDE D'AJUSTEMENT 90°
- TUBO RICURVO 90° MM

MATERIAL: AISI 316L – 1.4404

CODE	De mm	H1 mm	H min mm	H2 mm	R mm			
194015900	15	70	48	120	35	89	20	160
194018900	18	70	53	120	38	108	20	120
194022900	22	70	61	120	40	133	10	100
194028900	28	97	80	125	45	202	10	50
194035900	35	120	90	200	42	380	4	20
194042900	42	160	115	250	50	592	2	10
194054900	54	300	140	305	65	1139	2	4

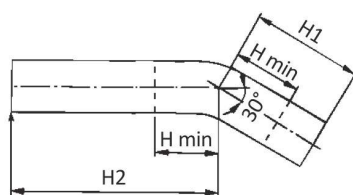
B 10 11

**194/600****TUBO CURVO 60°**

- 60° ELBOW MM
- PASSBOGEN 60°
- COUDE D'AJUSTEMENT 60°
- TUBO RICURVO 60° MM

MATERIAL: AISI 316L – 1.4404

CODE	De mm	H1 mm	H min mm	H2 mm			
194028600	28	71	64	116	182	10	50
194035600	35	101	71	226	406	4	24
194042600	42	124	80	251	563	2	10
194054600	54	162	97	308	914	2	4

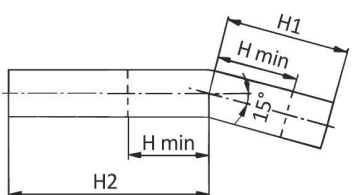
**194/300****TUBO CURVO 30°**

- 30° ELBOW MM
- PASSBOGEN 30°
- COUDE D'AJUSTEMENT 30°
- TUBO RICURVO 30° MM

MATERIAL: AISI 316L – 1.4404

≤54 B 10 11
76÷108 B 10 12

CODE	De mm	H1 mm	H min mm	H2 mm			
194018300	18	55	39	128	113	20	120
194022300	22	50	44	124	134	10	50
194028300	28	55	47	131	183	10	50
194035300	35	80	50	218	375	4	24
194042300	42	98	54	274	566	2	10
194054300	54	137	72	324	909	2	2
194076300	76,1	201	135	201	1489	1	1
194088300	88,9	241	161	241	2095	1	1
194108300	108	263	168	263	2787	1	1

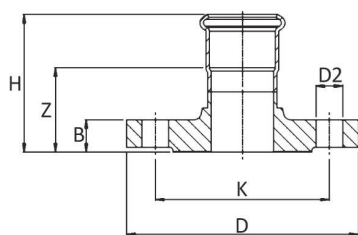
**194/150****TUBO CURVO 15°**

- 15° ELBOW MM
- PASSBOGEN 15°
- COUDE D'AJUSTEMENT 15°
- TUBO RICURVO 15° MM

MATERIAL: AISI 316L – 1.4404

≤54 B 10 11
76÷108 B 10 12

CODE	De mm	H1 mm	H min mm	H2 mm			
194018150	18	55	40	128	114	20	120
194028150	28	45	38	136	180	10	50
194035150	35	62	32	234	373	4	24
194042150	42	94	50	276	563	2	10
194054150	54	117	52	337	896	2	2
194076150	76,1	228	163	228	1694	1	1
194088150	88,9	240	160	240	2091	1	1
194108150	108	249	154	249	2646	1	1


193/002
**MANICOTTO
FLANGIATO**

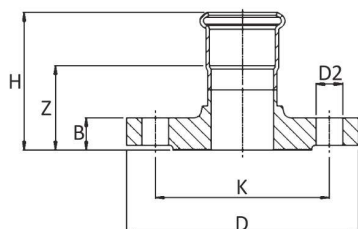
- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

PN 6
≤54 B 10 11
76÷108 B 10 12

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193015002	15	15	53	33	12	80	11	4	55	406	2	20
193018002	18	15	53,5	33,5	12	80	11	4	55	406	2	20
193022002	22	20	56,5	35,5	14	90	11	4	65	610	2	14
193028002	28	25	59,5	36,5	14	100	11	4	75	757	2	10
193035002	35	32	63	37	14	120	14	4	90	1063	2	6
193042002	42	40	67	37	14	130	14	4	100	1192	2	6
193054002	54	50	74	38	14	140	14	4	110	1355	2	4
193076002	76,1	65	101	45,5	14	160	14	4	130	1879	2	2
193088002	88,9	80	112	52	16	190	18	4	150	2927	2	2
193108002	108	100	128	53	16	210	18	4	170	3548	2	2


193/000
**MANICOTTO
FLANGIATO**

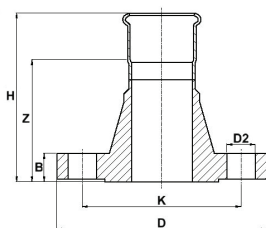
- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

PN 16
≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193015000	15	15	55	35	14	95	14	4	65	660	2	20
193018000	18	15	55,5	35,5	14	95	14	4	65	660	2	20
193022000	22	20	58,5	37,5	16	105	14	4	75	945	2	14
193028000	28	25	61,5	38,5	16	115	14	4	85	1140	2	10
193035000	35	32	65,5	39,5	16	140	18	4	100	1640	2	6
193042000	42	40	69	39	16	150	18	4	110	1800	2	6
193054000	54	50	78	42	18	165	18	4	125	2450	2	4
193076000	76,1	65	105	50	18	185	18	4	145	3184	2	2
193088000	88,9	80	116	56	20	200	18	8	160	3950	2	2
193108000	108	100	132	57	20	220	18	8	180	4729	2	2
193139000	139,7	125	180	85	22	250	18	8	210	7095	1	1
193168000	168,3	150	212	91,5	22	285	22	8	240	8929	1	2

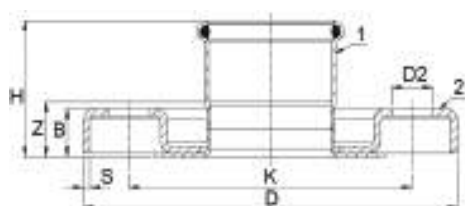
**193/006****MANICOTTO
FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

**ANSI
150
lb****MATERIAL:** AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

≤54 B 10 11
76÷108 B 10 12

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193015006	15	15	79,7	59,7	14,1	89	15,8	4	60,3	641	2	18
193018006	18	15	77,1	57,1	11,2	89	15,8	4	60,3	501	2	18
193022006	22	20	82,9	61,9	12,8	98,5	15,8	4	69,8	749	2	12
193028006	28	25	89,1	66,1	14,3	108	15,8	4	79,3	1062	2	8
193035006	35	32	94,4	68,4	15,9	117,5	15,8	4	88,9	1420	2	6
193042006	42	40	102,9	72,9	17,5	127,1	15,8	4	98,4	1809	2	4
193054006	54	50	111,1	75,5	19,1	152,5	19	4	120,6	2714	1	2
193076006	76,1	65	122,5	67,5	22,3	177,9	19	4	139,7	4194	2	2
193088006	88,9	80	150,9	90,9	23,8	190,6	19	4	152,4	5338	2	2
193108006	108	100	172,2	97,2	23,8	228,7	19	8	190,5	7525	2	2

**193/001****MANICOTTO
CON FLANGIA
SCORREVOLE**

- ADAPTOR LOOSE FLANGE
- ÜBERGANGSLOSFLANSCH
- BRIDE TOURNANTE DE RACCORDEMENT
- BRIDA LOCA CON ADAPTADOR

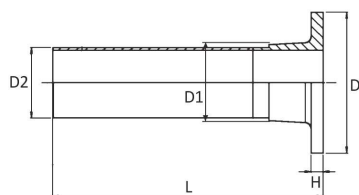
MATERIAL: 1 - AISI 316L – 1.4404

2 - AISI 304 – 1.4301

O-RING: EPDM nero – black – Schwarz – noir – negro**PN 10**

≤54 B 10 11
76÷108 B 10 12
≥139 B 10 17

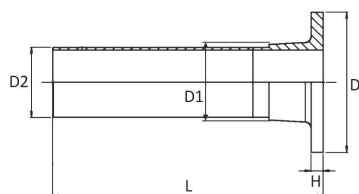
CODE	De mm	DN flg	H mm	Z mm	B mm	S mm	D mm	D2 mm	Holes Nr.	K mm			
193054001	54	50	60	24	21	3	165	18	4	125	893	2	6
193076001	76,1	65	86,5	31,5	23	4	185	18	4	145	1623	2	2
193088001	88,9	80	96	36	23,5	4	200	18	8	160	1879	2	2
193108001	108	100	116	41	24	4	220	18	8	180	2283	2	2
193139001	139,7	125	143	48	25,5	5	250	18	8	210	3436	1	1
193168001	168,3	150	176	63	30	5	285	22	8	240	4668	1	1

**193/004****≤54 B 10 11****76÷108 B 10 12****BOCCELLO PER
FLANGIA LIBERA**

- COLLAR FOR LOOSE FLANGE
- AUSSEN FÜR LOSE-FLANSCH
- SORTIE A BRIDE POUR BRIDE TOURNANTE
- TRONCO EMBRIDADO PARA BRIDA LOCA

MATERIAL: AISI 316L – 1.4404**PN 6**

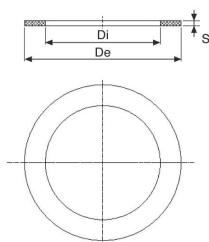
CODE	De mm	L mm	H mm	D mm	D1 mm	D2 mm			
193022004	22	135	6	50	27	22	210	2	14
193028004	28	135	6	60	32	28	260	2	14
193035004	35	135	6	70	40	35	350	2	14
193042004	42	135	6	80	46	42	420	2	14
193054004	54	135	8	90	59	54	580	2	14
193076004	76,1	135	8	110	78	76,1	840	2	12
193088004	88,9	135	10	128	91	88,9	1150	2	6
193108004	108	135	10	148	110	108	1390	2	2

**193/003****≤54 B 10 11****76÷108 B 10 12****BOCCELLO PER
FLANGIA LIBERA**

- COLLAR FOR LOOSE FLANGE
- AUSSEN FÜR LOSE-FLANSCH
- SORTIE A BRIDE POUR BRIDE TOURNANTE
- TRONCO EMBRIDADO PARA BRIDA LOCA

MATERIAL: AISI 316L – 1.4404**PN 16**

CODE	De mm	L mm	H mm	D mm	D1 mm	D2 mm			
193022003	22	135	6	58	27	22	240	2	14
193028003	28	135	6	68	32	28	300	2	14
193035003	35	135	6	78	40	35	390	2	14
193042003	42	135	6	88	46	42	470	2	14
193054003	54	135	8	102	59	54	700	2	14
193076003	76,1	135	8	122	78	76,1	980	2	4
193088003	88,9	135	10	138	91	88,9	1310	2	4
193108003	108	135	10	158	110	108	1580	2	2



434/PN 6

R 30 30

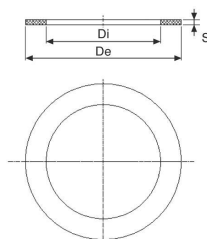
GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

PN 6

MATERIAL: Sesalit Eco
NORM: EN 1092-1

CODE	DN	De mm	Di mm	S mm		
434015006	15 - [1/2"]	44	20	2	4	10
434020006	20 - [3/4"]	54	25	2	6	10
434025006	25 - [1"]	64	30	2	9	10
434032006	32 - [1 1/4"]	75	38	2	11	10
434040006	40 - [1 1/2"]	85	45	2	14	10
434050006	50 - [2"]	95	57	2	15	10
434065006	65 - [2 1/2"]	115	76	2	19	10
434080006	80 - [3"]	132	89	2	26	10
434100006	100 - [4"]	152	108	2	29	10



434/PN 10-16

R 30 30

GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

PN
10/16

MATERIAL: Sesalit Eco
NORM: EN 1092-1

CODE	DN	De mm	Di mm	S mm		
434015000	15 - [1/2"]	50	20	2	6	10
434020000	20 - [3/4"]	60	25	2	8	10
434025000	25 - [1"]	70	30	2	10	10
434032000	32 - [1 1/4"]	82	38	2	14	10
434040000	40 - [1 1/2"]	92	45	2	17	10
434050000	50 - [2"]	108	57	2	22	10
434065000	65 - [2 1/2"]	127	76	2	27	10
434080000	80 - [3"]	142	89	2	30	10
434100000	100 - [4"]	162	108	2	38	10
434125000	125 - [5"]	192	140	2	44	10
434150000	150 - [6"]	218	169	2	55	10

Sesalit ECO: fibre organiche e sintetiche legate con gomma NBR/SBR esente amianto

IMPIEGHI: Acqua calda e fredda, olii vegetali ed animali, aria, alcuni carburanti (no GAS)

LIMITI DI TEMPERATURA ORIENTATIVI

Temperatura massima per brevi esposizioni: 180°-200° C

Temperatura massima di esercizio continuo per fluidi non aggressivi: 140° C

Temperatura massima di esercizio continuo con vapore: 110° C

Temperatura minima di esercizio -40° C

OMOLOGAZIONI: acqua potabile WRAS n° 240155028

Sesalit ECO: organic and synthetic fibers bonded with NBR/SBR asbestos-free

USES: hot and cold water, vegetable and animal oils, air, some fuels (no GAS)

GUIDELINE TEMPERATURE LIMITS

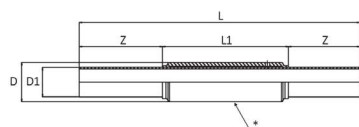
Maximum temperature for short exposure: 180°-200° C

Maximum operating temperature for continuous non-aggressive fluids: 140° C

Maximum temperature for continuous operation with steam: 110° C

Minimum operating temperature -40° C

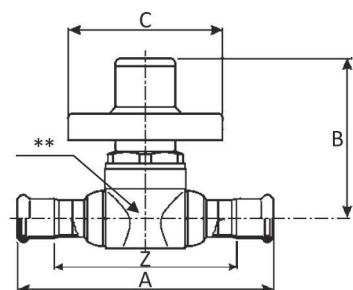
APPROVAL: potable water WRAS n° 240155028

**179/001****≤54 B 10 11****76÷108 B 10 12****PASSAGGIO STAGNO**

- DECK / BULKHEAD PENETRATION
- WANDDURCHFÜHRUNG
- PASSAGE ÉTANCHE
- PASAJE ESTANCO

MATERIAL: AISI 316L – 1.4404**NOTE:** [*]: S235JR (Fe 360)

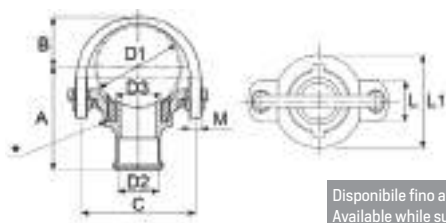
CODE	De mm	L mm	L1 mm	Z mm	D mm	D1 mm			
179015001	15	450	120	165	25	15	460	1	65
179018001	18	450	120	165	30	18	621	1	65
179022001	22	450	120	165	33	22	701	1	50
179028001	28	450	120	165	37	28	776	1	45
179035001	35	450	120	165	43,5	35	936	1	40
179042001	42	450	120	165	53	42	1291	1	32
179054001	54	450	120	165	69	54	1965	1	18
179076001	76,1	450	120	165	88,5	76,1	2840	1	8
179088001	88,9	450	120	165	107	88,9	4081	1	8
179108001	108	450	120	165	131,5	108	5682	1	6

**195/000****B 10 11****RUBINETTO DA INCASSO CON ROSONE**

- STOPVALVE WITH PRESS ENDS
- UP-VENTIL MIT PRESSENDEN
- ROBINET ENCASTRE AVEC ROSACE
- VÁLVULA DE BOLA "PRES" CON EMBECELLADOR

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**NOTE:** [**] Movimento interno in Ottone - Kugel aus Messing - Ball out of brass - Mouvement en laiton - Bola en latón

CODE	De mm	Z mm	A mm	B mm	C mm			
195015000	15	42	101	74	70	330	1	10



Disponibile fino a esaurimento scorte
Available while supplies last
Lieferbar solange der Vorrat zu Verfügung steht
Disponible jusqu'à épuisement des stocks
Disponible hasta finalizar existencias

**171/P****COLLARE DI PRESA CON DERIVAZIONE FEMMINA**

- BRACKET WITH FEMALE THREAD
- ANBOHRSCHELLE MIT INNENGEWINDE
- COLLIER DE PRISE AVEC DÉRIVATION À SERTIR
- CONJUNTO DERIVACIÓN ROSCADO HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** (*): FKM guarnizione – gasket – Dichtung – joint – juntas**NOTE:** No acqua potabile – no potable water – kein Trinkwasser – pas d'eau potable – sin agua potable

CODE	D1 mm	D2 mm	D3 mm	A mm	B mm	C mm	L mm	L1 mm	M mm			
171076035	76,1	35	40	79	44	100	35	80	M 10 x 35	700	1	20
171088042	88,9	42	47	99	50	115	40	94	M 10 x 35	740	1	10
171108054	108	54	59	116	60	135	45	114	M 10 x 35	1090	1	10

Montaggio - Assembly - Montage - Assemblage - Montaje

Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



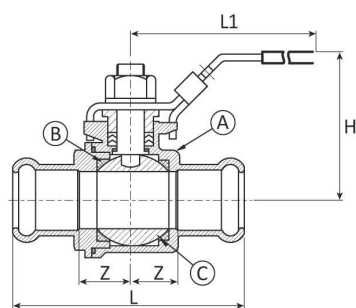
Fig. 10



Fig. 11



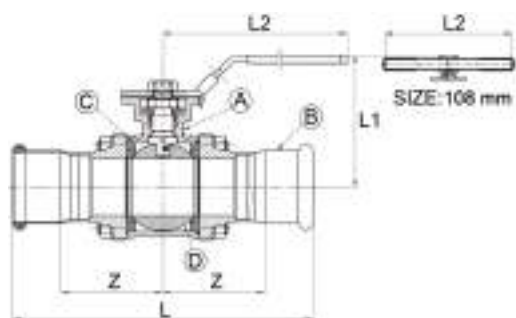
Fig. 12

**195/005****VALVOLA A SFERA PASSAGGIO TOTALE**

- BALL VALVE WITH FULL PORT
- KUGELHAHN MIT VOLLEM DURCHGANG
- BOISSEAU SPHERIQUE PASSAGE RÉDUIT
- VÁLVULA DE BOLA PASO TOTAL

MATERIAL: A-C: AISI 316L – 1.4404 B: PTFE**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	L1 mm	H mm	Z mm			
195015005	15	85	97,5	50	20	275	1	10
195018005	18	88	123	59	20	430	1	10
195022005	22	100	123	62,5	21	508	1	10
195028005	28	107	145	69,5	23	786	1	10


195/003
≤54 B 10 11
76÷108 B 10 12
VALVOLA A SFERA 3 PZ PASSAGGIO TOTALE LUCCHETTABILE

- 3-PC BALL VALVE WITH FULL PORT
- KUGELHAHN 3-TEILIG MIT VOLLEM DURCHGANG
- BOISSEAU SPHERIQUE 3 PCS PASSAGE INTÉGRAL
- VÁLVULA DE BOLA TRES PIEZAS PASO TOTAL

MATERIAL: A-B-D: AISI 316L – 1.4404 C: PTFE

O-RING: EPDM nero – black – Schwarz – noir – negro

NORM: flangia attuatore / flange for actuator
 Flansch für Stellantrieb / bride pour actuateur / brida actuador ISO 5211

CODE	De mm	DN	DN inch	L mm	Z mm	L1 mm	L2 mm			
195015003	15	10	3/8"	128	44	72	151	698	1	10
195018003	18	15	1/2"	134	47	72	151	714	1	10
195022003	22	20	3/4"	151	54,5	80	151	992	1	10
195028003	28	25	1"	167	60,5	90	179	1476	1	5
195035003	35	32	1" 1/4	184	66	95	179	2280	1	5
195042003	42	40	1" 1/2	207	73,5	104	198	3122	1	5
195054003	54	50	2"	245	87,5	110	198	4600	1	2
195076003	76,1	65	2" 1/2	334	112	150	270	9500	1	2
195088003	88,9	80	3"	384	132	159	270	13800	1	1
195108003*	108	100	4"	470	160	210	405	25000	1	1

(*) DN 108 con tubo maniglia, with pipe handle, mit Rohrgriff, avec tube-poignée, con mango de tubo

Le condizioni stampigliate sono relative al corpo della valvola. La pressione massima di lavoro delle valvole art. 195/003 = 16 bar

The marked pressure's conditions are related to the body of the valve. Maximum working pressure for pressfitting valve art. 195/003 = 16 bar

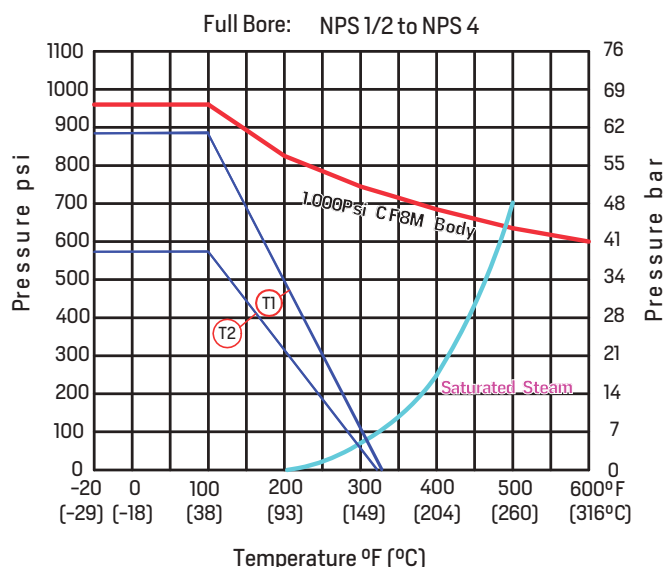
Die markierte Konditionen der Pressfitting entsprechend den Kugelhahnkoerper. Maximaler Arbeitsbetriebsdruck für Kugelhahn 195/003 = 16 bar

Les conditions de pressions indiquées sur la presse vannes correspondent au corps de vanne. Pression de service maximale des vannes 195/003 = 16 bar

Condiciones de presión marcadas están relacionadas con el cuerpo de la válvula. La presión máxima de trabajo de las válvulas art. 195/003 = 16 bar

CORPO VALVOLA / VALVE BODY

Pressure - Temperature Data FLOATING BALL VALVES 1000 psi



Seat Materials :

T1 PTFE DN 15 - 32

T2 PTFE DN 40 - 100

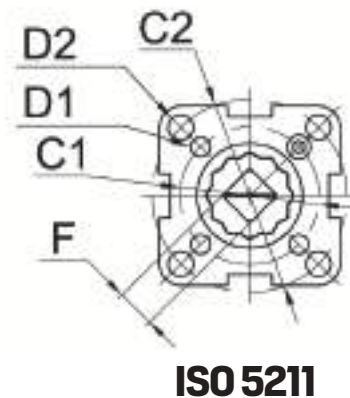
CV	KV
US gallon/min	m³/h
N/A	N/A
18	15
36	31
48	41
93	80
165	141
207	177
450	386
780	668
1360	1165

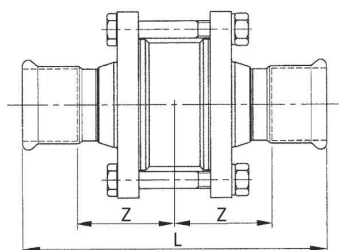
1 Kv = 0,86 Cv

195/003 – Valvola a sfera 3 pz passaggio totale lucchettabile - 3 PC ball valve with full port Kugelhahn 3-Teilig mit vollem Durchgang – Boisseau spherique 3 pcs passage intégral – Válvula de bola tres piezas paso total

Dimensioni della flangia per attuatore / Flange for actuator dimensions / Abmessungen der Flansch für Stellantrieb / Dimensions de la bride pour actuateur
Dimensiones de la brida del actuador.

De mm	DN inch	Flange type	C1 mm	C2 mm	D1 mm	D2 mm	F mm
15	3/8"	F03-F04	36	42	6	6	9
18	1/2"	F03-F04	36	42	6	6	9
22	3/4"	F03-F05	36	50	6	7	9
28	1"	F04-F05	42	50	6	7	11
35	1"1/4	F04-F07	42	70	6	9	11
42	1"1/2	F05-F07	50	70	7	9	14
54	2"	F05-F07	50	70	7	9	14
76,1	2"1/2	F07-F10	70	102	9	11	17
88,9	3"	F07-F10	70	102	9	11	17
108	4"	F10	-	102	-	11	22




195/004
≤54 B 10 11
76÷108 B 10 12
VALVOLA DI RITEGNO

- NON-RETURN VALVE
- RÜCKSCHLAGVENTIL
- CLAPET ANTI-RETOUR
- VÁLVULA DE RETENCIÓN

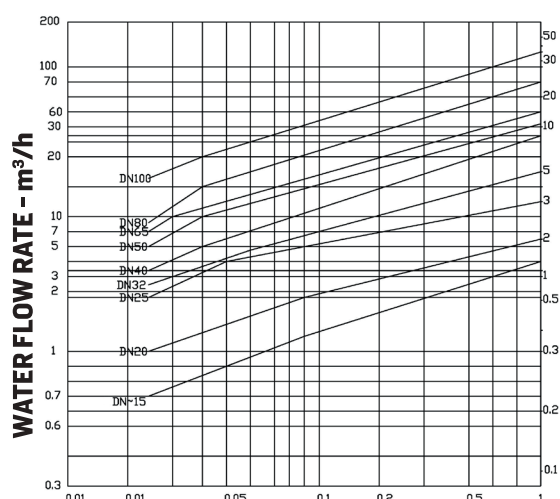
MATERIAL: AISI 316L - 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	DN	L mm	Z mm			
195015004	15	15	114	37	412	1	10
195018004	18	15	114	37	422	1	10
195022004	22	20	121	39,5	570	1	10
195028004	28	25	138	46	767	1	10
195035004	35	32	158	53	1238	1	10
195042004	42	40	180	60	1766	1	6
195054004	54	50	200	64,5	2418	1	2
195076004	76,1	65	271	80,5	5208	1	1
195088004	88,9	80	302	91	7108	1	1
195108004	108	100	370	110	12366	1	1

Le condizioni stampigliate sono relative al corpo della valvola. La pressione massima di lavoro delle valvole art. 195/004 = 16 bar
 The marked pressure's conditions are related to the body of the valve. Maximum working pressure for pressfitting valve art. 195/004 = 16 bar
 Die markierte Konditionen der Pressfitting entsprechend den Kugelhahnkoerper. Maximaler Arbeitsbetriebsdruck für Kugelhahn 195/004 = 16 bar
 Les conditions de pressions indiquées sur la presse vannes correspondent au corps de vanne. Pression de service maximale des vannes 195/004 = 16 bar
 Condiciones de presión marcadas están relacionadas con el cuerpo de la válvula. La presión máxima de trabajo de las válvulas art. 195/004 = 16 bar

CORPO VALVOLA / VALVE BODY

**DIAGRAMMA PERDITA DI CARICO
PRESSURE LOSS DIAGRAM**

DN15-DN100 PRESSURE LOSS - bar

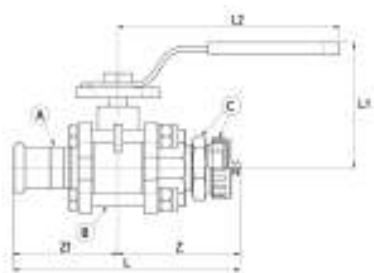
CV / KV PER VALVOLA DI RITEGNO CV / KV FOR NON-RETURN VALVE				DIREZIONE DI FLUSSO FLOW DIRECTION		
DE	DN DN inch	CV US gallon/min	KV m³/h	↑	↓	→
				Pressione di apertura Opening pressure (mbar)		
15	15 - 1/2"	4,1	3,5	25	21	23
18	15 - 1/2"	4,1	3,5	25	21	23
22	20 - 3/4"	5,1	4,4	25	21	23
28	25 - 1"	14	12	25	21	23
35	32 - 1 1/4"	23,3	20	27	21	24
42	40 - 1 1/2"	30,3	26	29	21	25
54	50 - 2"	37,3	32	29	21	25
76,1	65 - 2 1/2"	70	60	31	21	25
88,9	80 - 3"	81,7	70	32	21	26
108	100 - 4"	140	120	33	21	27

NOTE

Cv = flusso di acqua (a 60°F) in gpm (galloni al minuto) con una pressione differenziale (caduta di pressione) di 1 psi.

Kv = flusso di acqua (tra 5° e 40°) m³/h, con una pressione differenziale (caduta di pressione) di 1 bar.

[1 Kv = 0,86 Cv]

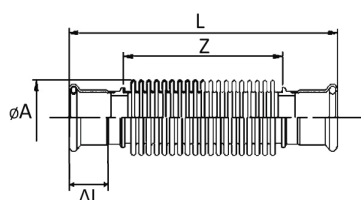
**195/008****VALVOLA A SFERA CON PRESA MANICHETTA**

- BALL VALVE WITH HOSE CONNECTION
- KUGELHAHN MIT SCHLAUCHANSCHLUSS
- BOISSEAU SPHERIQUE AVEC RACCORD DETUYAU
- VÁLVULA DE BOLA CON CONEXIÓN DELA MANGUERA

MATERIAL: A-B: AISI 316L – 1.4404
C: ottone - brass - Messing - laiton - latón

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	L1 mm	L2 mm	Z mm	Z1 mm			
195015008	15 x 3/4"	131,5	72	151	67,5	64	873	1	10
195022008	22 x 1"	148,5	80	151	73	75,5	1314	1	10

**199**

≤54 B 10 11
76÷108 B 10 12

COMPENSATORE DI DILATAZIONE

- EXPANSION COMPENSATOR
- WELLENKOMPENSATOR
- COMPENSATEUR D'EXPANSION
- DILATADOR

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm	A mm			
199015000	15	139	71	22	80	1	100
199018000	18	143	74	27	108	1	80
199022000	22	139	68	34	130	1	80
199028000	28	150	73	41	155	1	40
199035000	35	177	90	51	251	1	24
199042000	42	202	107	61	440	1	16
199054000	54	221	113	71	550	1	12
199076000	76,1	278	180	87	1464	1	2
199088000	88,9	314	235	105	1871	1	2
199108000	108	388	255	131	2845	1	2

**199 - Compensatore di dilatazione - Expansion compensator - Wellenkompensator
Compensateur d'expansion - Dilatador**

La corsa massima di lavoro non deve superare la corsa nominale sotto indicata / The maximum axial stroke must not exceed the nominal value below indicated
La course axiale maximum ne doit pas dépasser la course nominale indiquée ci-dessous / Der maximale Axialhub darf den unten angegebenen Nennwert nicht überschreiten / El rango máximo de trabajo no debe exceder el rango nominal abajo indicado

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)
199 / 15	15		16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 18	18		18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	
199 / 22	22		20,0		18,4		17,0		15,8		14,8		14,2		13,7		13,2		12,8		12,4	
199 / 28	28	800	22,0	16	20,2	14,5	18,7	13,5	17,4	12,5	16,3	12	15,6	11,5	15,0	11	14,5	10,5	14,1	10,2	13,6	9,5
199 / 35	35		26,0		23,9		22,1		20,5		19,2		18,5		17,8		17,2		16,6		16,1	
199 / 42	42		32,0		29,4		27,2		25,3		23,7		22,7		21,9		21,1		20,5		19,8	
199 / 54	54		36,0		33,1		30,6		28,4		26,6		25,6		24,6		23,8		23,0		22,3	
199 / 76	76		30,0		27,6		25,5		23,7		22,2		21,3		20,5		19,8		19,2		18,6	
199 / 88	89	500	40,0	16	36,8	14,5	34,0	13,5	31,6	12,5	29,6	12	28,4	11,5	27,3	11	26,4	10,5	25,6	10,2	24,8	9,5
199 / 108	108		50,0		46,0		42,5		39,5		37,0		35,5		34,2		33,0		32,0		31,0	

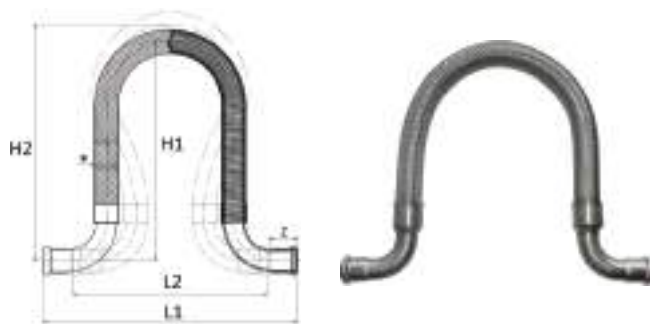
Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)
199 / 15	15		11,2		10,3		9,5		8,8		8,3		8,0		7,6		7,4		7,2		6,9	
199 / 18	18		12,6		11,6		10,7		10,0		9,3		8,9		8,6		8,3		8,1		7,8	
199 / 22	22		14,0		12,9		11,9		11,1		10,4		9,9		9,6		9,2		9,0		8,7	
199 / 28	28	2900	15,4	16	14,2	14,5	13,1	13,5	12,2	12,5	11,4	12	10,9	11,5	10,5	11	10,2	10,5	9,9	10,2	9,5	9,5
199 / 35	35		18,2		16,7		15,5		14,4		13,5		12,9		12,4		12,0		11,6		11,3	
199 / 42	42		22,4		20,6		19,0		17,7		16,6		15,9		15,3		14,8		14,3		13,9	
199 / 54	54		25,2		23,2		21,4		19,9		18,6		17,9		17,2		16,6		16,1		15,6	
199 / 76	76		21,0		19,3		17,9		16,6		15,5		14,9		14,3		13,9		13,4		13,0	
199 / 88	89	1800	28,0	16	25,8	14,5	23,8	13,5	22,1	12,5	20,7	12	19,9	11,5	19,1	11	18,5	10,5	17,9	10,2	17,4	9,5
199 / 108	108		35,0		32,2		29,8		27,7		25,9		24,9		23,9		23,1		22,4		21,7	

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)
199 / 15	15		8,0		7,4		6,8		6,3		5,9		5,7		5,5		5,3		5,1		5,0	
199 / 18	18		9,0		8,3		7,7		7,1		6,7		6,4		6,1		5,9		5,8		5,6	
199 / 22	22		10,0		9,2		8,5		7,9		7,4		7,1		6,8		6,6		6,4		6,2	
199 / 28	28	12000	11,0	16	10,1	14,5	9,4	13,5	8,7	12,5	8,1	12	7,8	11,5	7,5	11	7,3	10,5	7,0	10,2	6,8	9,5
199 / 35	35		13,0		12,0		11,1		10,3		9,6		9,2		8,9		8,6		8,3		8,1	
199 / 42	42		16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 54	54		18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	
199 / 76	76		15,0		13,8		12,8		11,9		11,1		10,7		10,2		9,9		9,6		9,3	
199 / 88	89	7500	20,0	16	18,4	14,5	17,0	13,5	15,8	12,5	14,8	12	14,2	11,5	13,7	11	13,2	10,5	12,8	10,2	12,4	9,5
199 / 108	108		25,0		23,0		21,3		19,8		18,5		17,8		17,1		16,5		16,0		15,5	

Cycles MAX = Numero di cicli di lavoro - Work cycles number - Anzahl der Zyklen - Nombre de cycles de travail - Número de ciclos de trabajo

ΔL (mm) = Corsa assiale in compressione - Compression axial stroke - Axialhub in Kompression - Course axiale en compression - Carrera axial en compresión

P (bar) = pressione massima di lavoro - Maximum working pressure - maximaler Arbeitsdruck - Pression de travail maximale - Presión máxima de trabajo

**199/001****B 10 11****TUBO FLESSIBILE AD OMEGA**

- U-BEND FLEXIBLE PIPE
- FLEXIBLES ECKSTÜCK ZUM EINPRESSEN
- TUBE FLEXIBLE RACCORDS COUDÉS
- FLEXIBLE OMEGA

MATERIAL: AISI 316L – 1.4404
 [*]: rivestimento / covering / Überzug
 revêtement / revestimiento

O-RING: AISI 304L – 1.4307
 EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L1 mm	L2 mm	H1 mm	H2 mm	Z mm		
199015001	15	275	165	165	200	20	245	1
199018001	18	350	170	170	215	20	290	1
199022001	22	380	195	195	236	21	450	1
199028001	28	410	230	230	260	23	615	1
199035001	35	460	255	255	300	26	1080	1
199042001	42	530	295	295	345	30	1455	1
199054001	54	625	370	370	410	35	2310	1

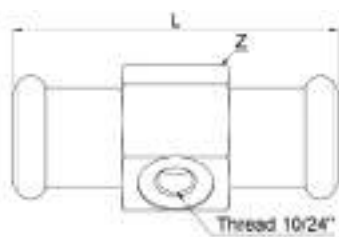
**199/002****B 10 11****TUBO FLESSIBILE AD OMEGA**

- U-BEND FLEXIBLE PIPE
- FLEXIBLES ECKSTÜCK ZUM EINPRESSEN
- TUBE FLEXIBLE RACCORDS COUDÉS
- FLEXIBLE OMEGA

MATERIAL: AISI 316L – 1.4404
 [*]: rivestimento / covering / Überzug
 revêtement / revestimiento
 AISI 304L – 1.4307

O-RING: EPDM nero – black – Schwarz – noir – negro

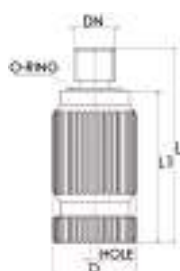
CODE	De mm	L mm	Z mm		
199015002	15	500	20	200	1
199018002	18	600	20	310	1
199022002	22	600	21	350	1
199028002	28	700	23	495	1
199035002	35	800	26	980	1
199042002	42	900	30	1280	1
199054002	54	1100	35	2060	1

**195/007 U****B 10 11****ATTACCO NEBULIZZATORE**

- NEBULIZER CONNECTION
- VERNEBLER-ANSCHLUSS
- CONNEXION NÉBULISEUR
- CONEXIÓN NEBULIZADOR

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	Z mm	Holes Nr.			
195015017	15	60	24	1 x 10/24"	82	10	200
195015027	15	60	24	2 x 10/24"	80	10	200

**195/N****B 10 11****NEBULIZZATORE**

- NEBULIZER
- VERNEBLER
- NÉBULISEUR
- NEBULIZADOR

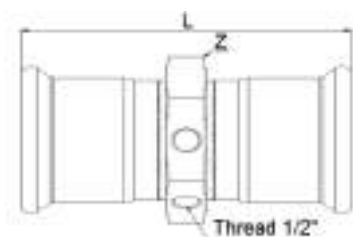
MATERIAL: AISI 304 – 1.4301**O-RING:** NBR marrone – brown – Braun – brun – marrón

CODE	Hole µm	DN inch	L1 mm	D mm	L mm		
195000015	15	10/24"	20	9,5	25	10	10
195000020	20	10/24"	20	9,5	25	10	10
195000030	30	10/24"	20	9,5	25	10	10
195000040	40	10/24"	20	9,5	25	10	10
195000050	50	10/24"	20	9,5	25	10	10

Esempio applicazione art. 195/007 U / Art. 195/007 U application example

195/007 U

Impianti di nebulizzazione con tubazione Ø 15
Atomization systems with Ø 15 pipes

**195/007**
≤54 B 10 11
76÷108 B 10 12
ATTACCO MULTI STRUMENTO

- MULTIMETER CONNECTION
- MULTI-TOOL-ANSCHLUSS
- CONNEXION MULTI-OUTILLAGE
- CONEXIÓN MULTIPLE HERRAMIENTA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	Z mm	Holes Nr.	 g		
195035007	35	128	60	3 x 1/2"	715	1	10
195042007	42	135	60	3 x 1/2"	645	1	10
195054007	54	135	74	3 x 1/2"	874	1	6
195076007	76,1	189	92	3 x 1/2"	1474	1	3
195088007	88,9	208	106	3 x 1/2"	1874	1	2
195108007	108	240	130	3 x 1/2"	2774	1	1

Con n° 2 tappi maschi ISO 228 per potere chiudere almeno 2 dei 3 attacchi disponibili da 1/2".

With n° 2 male caps ISO 228 to close at least 2 of the 3 available attacks of 1/2".

Mit n° 2 männlich Kappen ISO 228 mindestens 2 der 3 verfügbaren Angriffe von 1/2" zu schließen.

Avec n° 2 mâle casquettes ISO 228 pour fermer au moins 2 des 3 attaques disponibles de 1/2".

Con n° 2 casquillos macho ISO 228 para cerrar al menos 2 de los 3 ataques disponibles de 1/2".

Esempio applicazione art. 195/007 / Art. 195/007 application example


195/007

Attacco multi strumento (manometri, termometri, etc)

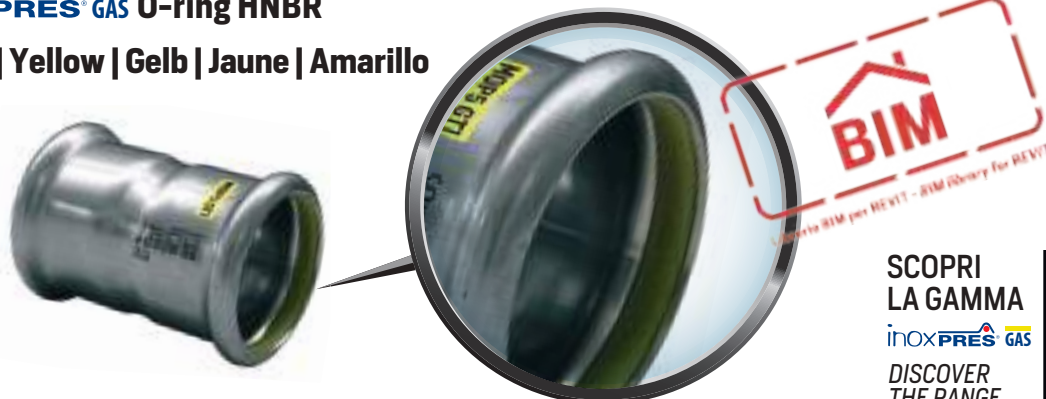
Multiple purpose instrument inlet (manometers, thermometers, etc.)

Certificazioni / Certifications

		EDELSTAHLROHR "INOXPRES" - 1.4404	DV-7301BM 3426 (GW 541)	Ø 15 - 108 mm
		PRODUKTE DER GASVERSORGUNG	DG-8531CL0163 (G 5614 / ZP4500)	Ø 15 - 108 mm
		UNLÖSBARE ROHRVERBINDUNGEN FÜR METALLENE GASLEITUNGEN PRESSVERBINDER AUS EDELSTAHL FÜR EDELSTAHLROHRE = INOXPRES® GAS =	G 2.827 (QS-G 100, QS-G 314)	Ø 15 - 108 mm
		UNLÖSBARE ROHRVERBINDUNGEN FÜR METALLENE GASLEITUNGEN PRESSVERBINDER AUS EDELSTAHL FÜR EDELSTAHLROHRE = INOXPRES® GAS =	G 2.827 (QS-G 100, QS-G 314)	Ø 15 - 108 mm
		UNLÖSBARE ROHRVERBINDUNGEN PRESSVERBINDUNGS-SYSTEM AUS EDELSTAHL INOXPRES GAS	05-088-6 (G 5614)	Ø 15 - 54 mm
		RACCORDI A PRESSARE PER GAS - PLUMBING FITTINGS FOR GASES	CA06-00231	Ø 15 - 54 mm
		STAINLESS STEEL GAS PRESSFITTINGS FOR STAINLESS STEEL PIPES	C-16-3743-A	Ø 15 - 54 mm

Campi di applicazione / Fields of application

inoxPRES® GAS

Gas metano / GPL / Idrogeno
Natural gas / LPG / Hydrogen
inoxPRES® GAS O-ring HNBR
Giallo | Yellow | Gelb | Jaune | Amarillo

**SCOPRI
LA GAMMA**
inoxPRES® GAS
**DISCOVER
THE RANGE**




I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/200
≤54 B 30 31
76÷108 B 30 32
TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
Mat. Nr.: 1.4404 (AISI 316L) L=6 m
Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015200	15 x 1,0	13	6	0,351	0,133	60	1014
116018200	18 x 1,0	16	6	0,426	0,201	60	1014
116022200	22 x 1,2	19,6	6	0,625	0,302	60	762
116028200	28 x 1,2	25,6	6	0,805	0,514	30	546
116035200	35 x 1,5	32	6	1,258	0,804	30	546
116042200	42 x 1,5	39	6	1,521	1,194	30	366
116054200	54 x 1,5	51	6	1,972	2,042	30	366
116076200	76,1 x 2,0	72,1	6	3,711	4,080	6	114
116088200	88,9 x 2,0	84,9	6	4,352	5,660	6	114
116108200	108 x 2,0	104	6	5,308	8,490	6	114



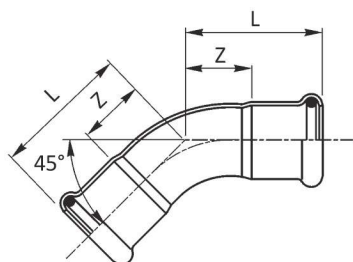
I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/300
≤54 B 30 31
76÷108 B 30 32
TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
Mat. Nr.: 1.4404 (AISI 316L) L=6 m
Ricotto - Annealed - Geglüht - Hypertrempé - Recocido

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014
116018300	18 x 1,0	16	6	0,426	0,201	60	1014
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546
116035300	35 x 1,5	32	6	1,258	0,804	30	546
116042300	42 x 1,5	39	6	1,521	1,194	30	366
116054300	54 x 1,5	51	6	1,972	2,042	30	366
116076300	76,1 x 2,0	72,1	6	3,711	4,080	6	114
116088300	88,9 x 2,0	84,9	6	4,352	5,660	6	114
116108300	108 x 2,0	104	6	5,308	8,490	6	114

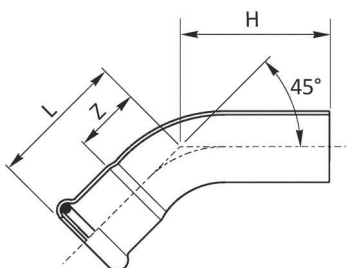

181/450 G
≤54 B 10 13
76÷108 B 10 14
CURVA 45° FF

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 316L – 1.4404

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	Radius	L mm	Z mm			
181015450CG	15	1,2 De	27,5	7,5	39	4	200
181018450CG	18	1,2 De	29,5	9,5	48	4	200
181022450CG	22	1,2 De	32	11	63	4	100
181028450CG	28	1,2 De	37	14	90	4	100
181035450G	35	1,2 De	43	17	127	1	40
181042450G	42	1,2 De	51	21	177	1	30
181054450G	54	1,2 De	62	30	273	1	20
181076450G	76,1	1,2 De	131,5	76,5	900	1	2
181088450G	88,9	1,2 De	144	84	1250	1	2
181108450G	108	1,2 De	169	94	1700	1	2

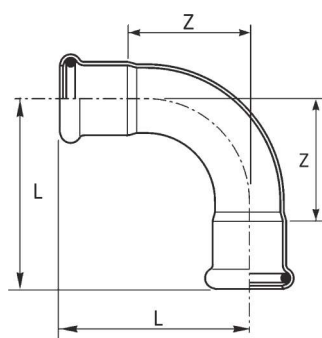

181/451 G
≤54 B 10 13
76÷108 B 10 14
CURVA 45° MF

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 316L – 1.4404

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	Radius	L mm	H mm	Z mm			
181015451CG	15	1,2 De	27,5	36	7,5	38	4	200
181018451CG	18	1,2 De	29,5	38	9,5	47	4	200
181022451CG	22	1,2 De	32	42	11	63	4	100
181028451CG	28	1,2 De	37	46	14	90	4	100
181035451G	35	1,2 De	43	57,5	17	132	1	40
181042451G	42	1,2 De	51	72	21	196	1	30
181054451G	54	1,2 De	62	82	26	296	1	20
181076451G	76,1	1,2 De	131,5	149	76,5	900	1	2
181088451G	88,9	1,2 De	144	159	84	1250	1	2
181108451G	108	1,2 De	169	199	94	1700	1	2

**181/900 G**

≤54 B 10 13

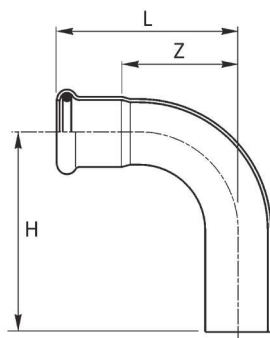
76÷108 B 10 14

CURVA 90° FF

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

CODE	De mm	Radius	L mm	Z mm			
181015900CG	15	1,2 De	38	18	46	4	200
181018900CG	18	1,2 De	41,5	21,5	58	4	160
181022900CG	22	1,2 De	47	26	78	4	100
181028900CG	28	1,2 De	56	33	116	4	60
181035900G	35	1,2 De	68	42	162	1	40
181042900G	42	1,2 De	80	50	231	1	25
181054900G	54	1,2 De	100	64	367	1	18
181076900G	76,1	1,2 De	160	105	1150	1	2
181088900G	88,9	1,2 De	182	122	1580	1	2
181108900G	108	1,2 De	220	145	2250	1	2

**181/901 G**

≤54 B 10 13

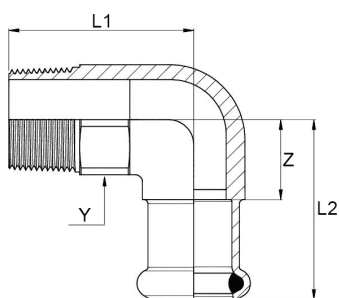
76÷108 B 10 14

CURVA 90° MF

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

CODE	De mm	Radius	L mm	H mm	Z mm			
181015901CG	15	1,2 De	38	48	18	46	4	200
181018901CG	18	1,2 De	41,5	48,5	21,5	56	4	160
181022901CG	22	1,2 De	47	57	26	79	4	100
181028901CG	28	1,2 De	56	64	33	115	4	60
181035901G	35	1,2 De	68	82	42	176	1	40
181042901G	42	1,2 De	80	101	50	253	1	25
181054901G	54	1,2 De	100	120	64	390	1	18
181076901G	76,1	1,2 De	160	180	105	1150	1	2
181088901G	88,9	1,2 De	182	197	122	1580	1	2
181108901G	108	1,2 De	220	236	145	2250	1	2

B 10 13


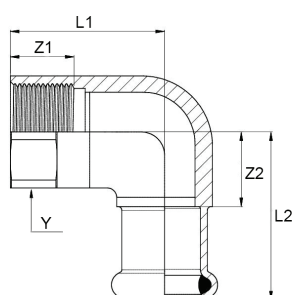
197 G

GOMITO MISTO 90° FILETTO M

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
197102015G	15 x 1/2"	37	36	16	22	87	4	100
197102018G	18 x 1/2"	37	36	16	22	93	4	100
197304022G	22 x 3/4"	44	43	22	28	164	4	60
197304028G	28 x 3/4"	44	45	22	28	195	4	60
197100028G	28 x 1"	56	50	27	36	332	4	60
197114035G	35 x 1 1/4"	63	76,5	50,5	46	476	1	40
197112042G	42 x 1 1/2"	67,5	80	50	50	533	1	30
197200054G	54 x 2"	78,5	91,5	56	65	899	1	15



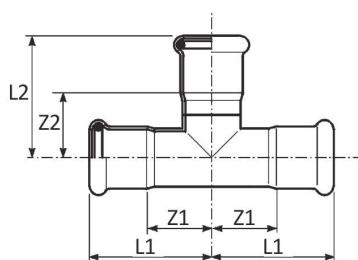
198 G

GOMITO MISTO 90° FILETTO F

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUERRE 90° AVEC FILETAGE F
- CODO HEMBRA

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
198102015G	15 x 1/2"	33	36	15	16	24	92	4	100
198102018G	18 x 1/2"	33	36	15	16	24	99	4	100
198304022G	22 x 3/4"	38	43	19	22	30	154	4	60
198102028G	28 x 1/2"	33	39	15	16	24	126	4	60
198100028G	28 x 1"	48	50	21	27	38	309	4	60
198114035G	35 x 1 1/4"	48	76,5	21	50,5	46	379	1	30
198112042G	42 x 1 1/2"	51	80	21	50	50	390	1	25
198200054G	54 x 2"	66	92	26	56	65	749	1	10

**182 G**

≤54 B 10 13

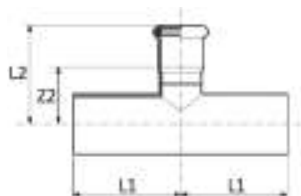
76÷108 B 10 14

“T”

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
182015000G	15	34	39	14	19	67	4	100
182018000G	18	37	41	16	21	80	4	100
182022000G	22	39	45	18	24	106	4	100
182028000G	28	44	50	21	27	145	4	60
182035000G	35	51	57	25	31	201	1	35
182042000G	42	59	65	28	35	260	1	20
182054000G	54	70	77	34	42	404	1	16
182076000G	76,1	108	118	53	63	1275	1	2
182088000G	88,9	132	131	72	71	1535	1	2
182108000G	108	155	160	80	85	2115	1	2

**188 G**

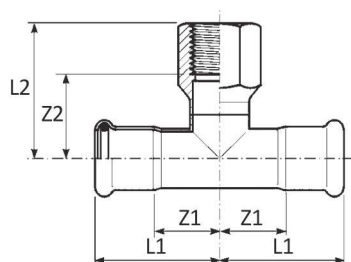
B 10 13

“T” RIDOTTO MFM

- REDUCING TEE MFM
- T-STÜCK MIT REDUZIERTEM ABGANG A/I/A
- TÉ RÉDUIT MFM
- TE REDUCIDA MHM

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

CODE	De mm	L1 mm	L2 mm	Z2 mm			
188028022G	28 x 22 x 28	52,5	47	26	138	4	48
188035022G	35 x 22 x 35	60	50,5	29,5	185	1	30
188035028G	35 x 28 x 35	60	53,5	30,5	193	1	30
188042028G	42 x 28 x 42	69	57	34	256	1	20
188054028G	54 x 28 x 28	73,5	64,5	41,5	334	1	16

**189 G**

≤54 B 10 13

76÷108 B 10 14

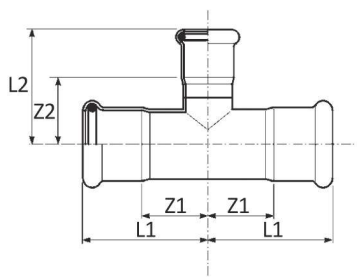
**"T" CON DERIVAZIONE
FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE		De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189102015G	*	15 x 1/2" x 15	36,5	22,5	16,5	8,5	117	4	100
189102018G	*	18 x 1/2" x 18	36	24	16	10	128	4	100
189304018G	*	18 x 3/4" x 18	38,5	26	18,5	11	147	4	100
189102022G	*	22 x 1/2" x 22	39	26	18	12	159	4	100
189304022G	*	22 x 3/4" x 22	41,5	30	20,5	14	184	4	100
189102028G	*	28 x 1/2" x 28	44	29	21	15	217	4	80
189304028G	*	28 x 3/4" x 28	44	30	21	14	221	4	60
189102035G		35 x 1/2" x 35	51	51	25	36	197	1	35
189304035G		35 x 3/4" x 35	51	54	25	37	205	1	30
189102042G		42 x 1/2" x 42	59	54	29	39	271	1	25
189304042G		42 x 3/4" x 42	59	57	29	41	277	1	25
189102054G		54 x 1/2" x 54	70	61	34	46	377	1	14
189304054G		54 x 3/4" x 54	70	64	34	48	391	1	14
189200054G		54 x 2" x 54	70	81	34	55	838	1	10
189304076G		76,1 x 3/4" x 76,1	108	77	53	60	1040	1	2
189200076G		76,1 x 2" x 76,1	108	93	53	67	1495	1	2
189304088G		88,9 x 3/4" x 88,9	132	84	72	67	1255	1	2
189200088G		88,9 x 2" x 88,9	132	100	72	74	1720	1	2
189304108G		108 x 3/4" x 108	155	94	80	77	1700	1	2
189200108G		108 x 2" x 108	155	110	80	84	2160	1	2

(*) senza saldatura - seamless - nahtlos - sans soudure - sin soldadura

**192 G**

≤54 B 10 13

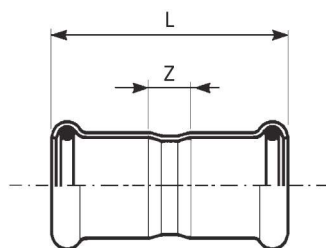
76÷108 B 10 14

“T” RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

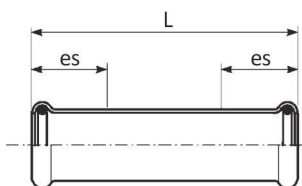
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192018015G	18 x 15 x 18	37	41	16	21	80	4	100
192022015G	22 x 15 x 22	39	43	18	23	95	4	100
192022018G	22 x 18 x 22	39	44	18	23	98	4	100
192028015G	28 x 15 x 28	44	46	21	26	126	4	60
192028018G	28 x 18 x 28	44	46	21	26	130	4	60
192028022G	28 x 22 x 28	44	47	21	26	135	4	50
192035015G	35 x 15 x 35	51	49	25	29	158	1	40
192035018G	35 x 18 x 35	51	50	25	30	163	1	40
192035022G	35 x 22 x 35	51	51	25	30	167	1	40
192035028G	35 x 28 x 35	51	54	25	31	171	1	35
192042022G	42 x 22 x 42	59	54	29	33	237	1	20
192042028G	42 x 28 x 42	59	57	29	34	243	1	20
192042035G	42 x 35 x 42	59	61	29	35	272	1	20
192054022G	54 x 22 x 54	70	62	34	41	340	1	15
192054028G	54 x 28 x 54	70	65	34	42	345	1	15
192054035G	54 x 35 x 54	70	68	34	42	361	1	15
192054042G	54 x 42 x 54	70	72	34	42	376	1	15
192076054G	76,1 x 54 x 76,1	108	91	53	55	1065	1	2
192088028G	88,9 x 28 x 88,9	132	84	72	61	1225	1	2
192088054G	88,9 x 54 x 88,9	132	98	72	63	1280	1	2
192088076G	88,9 x 76,1 x 88,9	132	125	72	70	1485	1	2
192108028G	108 x 28 x 108	155	94	80	71	1670	1	2
192108076G	108 x 76,1 x 108	155	135	80	80	1930	1	2
192108088G	108 x 88,9 x 108	155	141	80	81	1965	1	2


183/000 G
≤54 B 10 13
76÷108 B 10 14
MANICOTTO

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

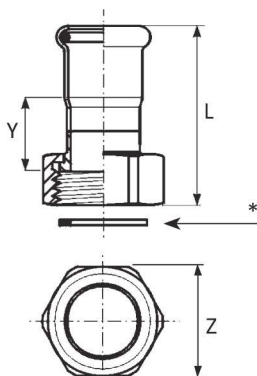
CODE	De mm	L mm	Z mm			
183015000G	15	49	9	35	4	200
183018000G	18	50	10	42	4	200
183022000G	22	53	11	54	4	200
183028000G	28	56	10	71	4	100
183035000G	35	63	10	97	1	50
183042000G	42	72	12	136	1	40
183054000G	54	83	13	198	1	30
183076000G	76,1	142	32	635	1	4
183088000G	88,9	166	46	765	1	4
183108000G	108	203	41	1170	1	2


183/001 G
≤54 B 10 13
76÷108 B 10 14
MANICOTTO PASSANTE

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

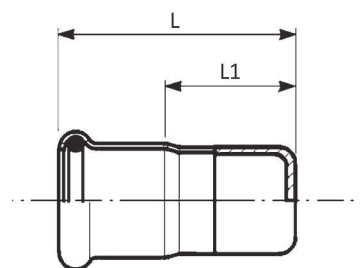
CODE	De mm	L mm	es mm			
183015001G	15	81	25	56	4	200
183018001G	18	81	25	66	4	200
183022001G	22	84,5	25	83	4	200
183028001G	28	92	30	114	4	100
183035001G	35	102,5	30	153	1	50
183042001G	42	117,5	40	217	1	40
183054001G	54	139	40	321	1	30
183076001G	76,1	230	60	940	1	2
183088001G	88,9	260	70	1240	1	2
183108001G	108	310	80	1835	1	2

**183/002 G****B 10 13****MANICOTTO CON DADO FOLLE**

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo**GASKET:** [*]: HNBR giallo – yellow – Gelb – jaune – amarillo**THREAD:** ISO 228/1 (ex DIN 259)

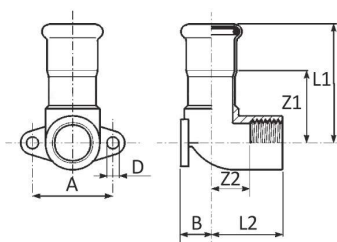
CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
183015012G	15 x 1/2"	48,5	27	23	18x10 thk 2,5	83	4	100
183015002G	15 x 3/4"	50	30	26	24x14 thk 2,5	66	4	120
183018012G	18 x 1/2"	49	27	23,5	18x10 thk 2,5	91	4	100
183018002G	18 x 3/4"	50	30	23	24x14 thk 2,5	65	4	100
183022012G	22 x 3/4"	50	30	19,5	24x14 thk 2,5	78	4	100
183022002G	22 x 1"	52	36	23	30x20 thk 2,5	87	4	100
183028012G	28 x 1"	52	36	19,5	30x20 thk 2,5	105	4	100
183028002G	28 x 1 1/4"	57	46	25	39x27 thk 2,5	136	4	100
183035012G	35 x 1 1/4"	57,5	46	20,5	39x27 thk 2,5	163	1	50
183035002G	35 x 1 1/2"	63	52	26	44,5x34 thk 2,5	186	1	50
183042022G	42 x 1 1/2"	63,5	52	21	44,5x34 thk 2,5	217	1	30
183042012G	42 x 1 3/4"	68	58	27	50,5x40 thk 2,5	223	1	30
183042002G	42 x 2"	68	64	27	56x42 thk 2,5	266	1	30
183054022G	54 x 2"	72	67	23	56x42 thk 2,5	301	1	30
183054012G	54 x 2 3/8"	77	75	30	65,5x53,5 thk 3	375	1	20
183054002G	54 x 2 1/2"	77	81	30	71,5x53 thk 3	439	1	20

**183/003 G****≤54 B 10 13****76÷108 B 10 14****TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo

CODE	De mm	L mm	L1 mm			
183015003G	15	26	5	26	4	200
183018003G	18	26	5	32	4	200
183022003G	22	27	5	43	4	200
183028003G	28	29	5	61	4	100
183035003G	35	52	26	95	1	50
183042003G	42	56	26	126	1	40
183054003G	54	62	27	185	1	35
183076003G	76,1	93	38	540	1	10
183088003G	88,9	102	42	654	1	10
183108003G	108	117	42	935	1	2

B 10 13


185/000 G

GOMITO MISTO 90° FF

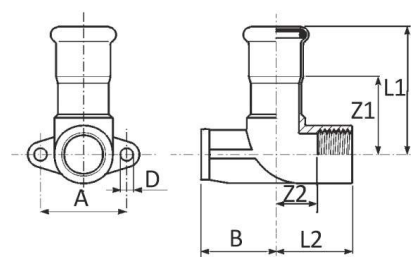
- WALL PLATE ELBOW 90° FF
- DECKENWINKEL 90° I/I
- EQUEURRE 90° FF
- CODO PLACA HH

MATERIAL: AISI 316L – 1.4404

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102015G	15 x 1/2"	50	30	30	17	34	13	5	98	4	100
185102018G	18 x 1/2"	51	30	31	17	34	13	5	109	4	100
185304022G	22 x 3/4"	55	34	34	19	40	17	6	166	4	100

B 10 13


185/001 G

GOMITO MISTO 90° FF CON DISTANZIALE

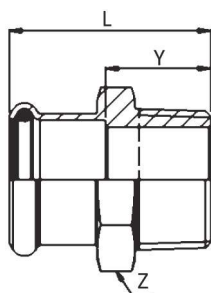
- EXTENSION WALL PLATE ELBOW 90° FF
- DECKENWINKEL 90°/W - I/I
- EQUEURRE 90° FF AVEC SUPPORT D'AVANCEMENT
- CODO PLACA HH CON ESPACIADOR

MATERIAL: AISI 316L – 1.4404

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185100122G	22 x 1"	59	35	38	15	50	30	6,5	252	4	48
185100128G	28 x 1"	62	35	39	15	50	30	6,5	264	4	48

**187 G**

≤54 B 10 13

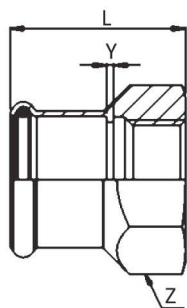
76÷108 B 10 14

**MANICOTTO MISTO
FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 316L - 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

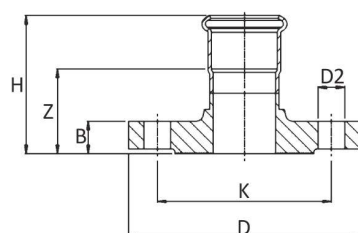
CODE	De x R mm x inch	L mm	Z mm	Y mm			
187308015G	15 x 3/8"	38	24	18	58.0	4	200
187102015G	15 x 1/2"	41	24	21	107.0	4	200
187304015G	15 x 3/4"	43	30	23	60.0	4	200
187102018G	18 x 1/2"	41	27	21	99.0	4	200
187304018G	18 x 3/4"	44	30	24	86.0	4	100
187102022G	22 x 1/2"	42	32	21	88.0	4	100
187304022G	22 x 3/4"	44	32	23	156.0	4	100
187100022G	22 x 1"	46	36	25	118.0	4	100
187304028G	28 x 3/4"	47	38	24	129.0	4	100
187100028G	28 x 1"	48	38	25	269.0	4	100
187114028G	28 x 1"1/4	53	46	30	170.0	4	48
187100035G	35 x 1"	52	45	25	201.0	1	50
187114035G	35 x 1"1/4	55	46	28	296.0	1	50
187112035G	35 x 1"1/2	55	50	28	263.0	1	50
187114042G	42 x 1"1/4	59	55	28	256.0	1	40
187112042G	42 x 1"1/2	59	55	28	371.0	1	40
187112054G	54 x 1"1/2	65	65	29	391.0	1	40
187200054G	54 x 2"	71	65	35	362.0	1	32
187212076G	76,1 x 2"1/2	98	83	43	769.0	1	8
187300088G	88,9 x 3"	111	98	51	1218.0	1	4
187400108G	108 x 4"	132	118	57	1842.0	1	2


190 G
B 10 13
MANICOTTO MISTO FILETTO F

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
190102015G	15 x 1/2"	38	27	2	63.0	4	100
190304015G	15 x 3/4"	39	32	2	76.0	4	100
190102018G	18 x 1/2"	38	27	2	65.0	4	100
190304018G	18 x 3/4"	39	32	2	77.0	4	100
190102022G	22 x 1/2"	39	32	2	99.0	4	100
190304022G	22 x 3/4"	40	32	2	79.0	4	100
190100022G	22 x 1"	43	41	2	142.0	4	100
190304028G	28 x 3/4"	42	38	2	129.0	4	100
190100028G	28 x 1"	45	41	2	139.0	4	100
190114028G	28 x 1 1/4"	48	46	2	143.0	4	60
190100035G	35 x 1"	49	46	2	207.0	1	50
190114035G	35 x 1 1/4"	52	46	2	156.0	1	40
190112035G	35 x 1 1/2"	52	55	2	237.0	1	40
190114042G	42 x 1 1/4"	56	55	2	309.0	1	40
190112042G	42 x 1 1/2"	56	55	2	243.0	1	40
190112054G	54 x 1 1/2"	60	65	1	438.0	1	30
190200054G	54 x 2"	65	65	2	317.0	1	25

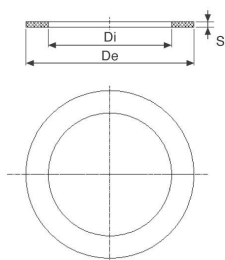

193 G
≤54 B 10 13
76÷108 B 10 14
MANICOTTO FLANGIATO

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

PN 16

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193015000G	15	15	55	35	14	95	14	4	65	660	1	20
193018000G	18	15	55,5	35,5	14	95	14	4	65	660	1	20
193022000G	22	20	58,5	37,5	16	105	14	4	75	945	1	14
193028000G	28	25	61,5	38,5	16	115	14	4	85	1140	1	10
193035000G	35	32	65,5	39,5	16	140	18	4	100	1640	1	6
193042000G	42	40	69	39	16	150	18	4	110	1800	1	6
193054000G	54	50	78	42	18	165	18	4	125	2450	1	4
193076000G	76,1	65	105	50	18	185	18	4	145	3184	1	2
193088000G	88,9	80	116	56	20	200	18	8	160	3950	1	2
193108000G	108	100	132	57	20	220	18	8	180	4729	1	2



434/PN10-16 GAS

R 30 30

GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

PN
10/16

MATERIAL: NA 1100 - asbestos free
NORM: EN 1092-1

CODE	DN	De mm	Di mm	S mm	 g	
434015000G	15 - [1/2"]	50	20	2	6	10
434020000G	20 - [3/4"]	60	25	2	8	10
434025000G	25 - [1"]	70	30	2	10	10
434032000G	32 - [1 1/4"]	82	38	2	14	10
434040000G	40 - [1 1/2"]	92	45	2	17	10
434050000G	50 - [2"]	108	57	2	22	10
434065000G	65 - [2 1/2"]	127	76	2	27	10
434080000G	80 - [3"]	142	89	2	30	10
434100000G	100 - [4"]	162	108	2	38	10

NA 1100 - esente amianto: fibre di carbonio e grafite legate con gomma NBR indicata per uso universale con alte temperature e pressioni elevate.

IMPIEGHI: adatta per la tenuta con i derivati del petrolio, acqua, vapori saturi, solventi, gas e prodotti chimici in generale

LIMITI DI IMPIEGO ORIENTATIVI

Standard 250°C / 70 bar

Vapore saturo 250°C / 40 bar

Massimi 450°C / 130 bar

OMOLOGAZIONI: DVGW per tenuta gas secondo DIN 3535 p. 6 - KTW per guarnizioni a contatto con acqua potabile

NA 1100 - asbestos-free: carbon fibers and graphite bonded with NBR rubber suitable for universal use with high temperatures and high pressures.

APPLICATIONS: suitable for sealing with petroleum derivatives, water, saturated steam, solvents, gases and chemical products in general.

GUIDELINE LIMITS

Standard 250° C / 70 bar

Saturated steam 250° C / 40 bar

Maximum 450° C / 130 bar

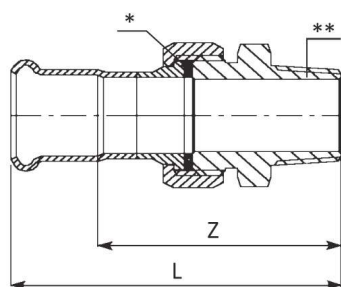
APPROVALS: DVGW for gas - DIN 3535 p. 6 - KTW for gaskets in contact with drinking water

B 10 13

184/002 G

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** [*]: HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

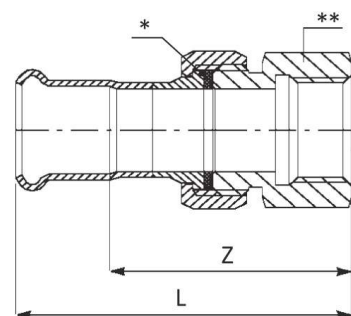
CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002G	15 x 1/2"	77	56	24x14 thk 2,5	142	4	140
184018002G	18 x 1/2"	77	56	24x14 thk 2,5	144	4	120
184022122G	22 x 1/2"	79	54	30x20 thk 2,5	199	4	80
184022002G	22 x 3/4"	81	59	30x20 thk 2,5	202	4	80
184028342G	28 x 3/4"	87	64	39x27 thk 2,5	370	4	48
184028002G	28 x 1"	90	67	39x27 thk 2,5	364	4	48
184035002G	35 x 1 1/4"	101	74	44,5x34 thk 2,5	540	1	35
184042002G	42 x 1 1/2"	105	74	50,5x40 thk 2,5	563	1	25
184054002G	54 x 2"	118	83	65,5x53,5 thk 3	823	1	20

B 10 13

184/003 G

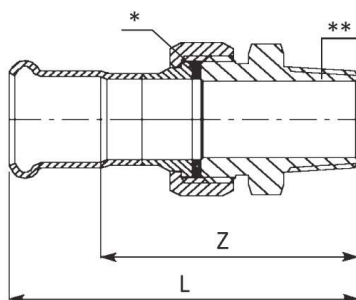
BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** [*]: HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003G	15 x 1/2"	71	50	24x14 thk 2,5	140	4	140
184018003G	18 x 1/2"	72	51	24x14 thk 2,5	145	4	100
184022123G	22 x 1/2"	75	54	30x20 thk 2,5	253	4	80
184022003G	22 x 3/4"	76	54	30x20 thk 2,5	213	4	80
184028343G	28 x 3/4"	83	60	39x27 thk 2,5	483	4	48
184028003G	28 x 1"	83	60	39x27 thk 2,5	404	4	48
184035003G	35 x 1 1/4"	93	66	44,5x34 thk 2,5	486	1	30
184042003G	42 x 1 1/2"	97	66	50,5x40 thk 2,5	536	1	25
184054003G	54 x 2"	116	81	65,5x53,5 thk 3	1091	1	20

B 1013

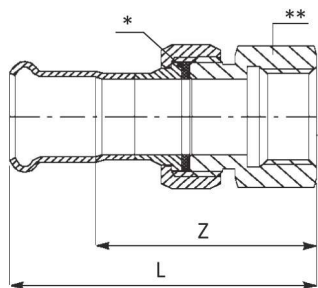
**184/002 INOX G****BOCCHETTONE SEDE PIANA FILETTO M**

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo**GASKET:** [*]: HNBR giallo – yellow – Gelb – jaune – amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002IG	15 x 1/2"	77	56	24x14 thk 2,5	137	4	140
184018002IG	18 x 1/2"	77	56	24x14 thk 2,5	139	4	120
184022002IG	22 x 3/4"	81	59	30x20 thk 2,5	194	4	80
184028002IG	28 x 1"	90	67	39x27 thk 2,5	350	4	48
184035002IG	35 x 1 1/4"	101	74	44,5x34 thk 2,5	518	1	35

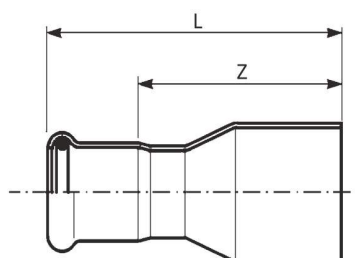
B 1013

**184/003 INOX G****BOCCHETTONE SEDE PIANA FILETTO F**

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L – 1.4404**FITTING:** [**]: AISI 316L – 1.4404**O-RING:** HNBR giallo – yellow – Gelb – jaune – amarillo**GASKET:** [*]: HNBR giallo – yellow – Gelb – jaune – amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003IG	15 x 1/2"	71	50	24x14 thk 2,5	135	4	140
184018003IG	18 x 1/2"	72	51	24x14 thk 2,5	140	4	100
184022003IG	22 x 3/4"	76	54	30x20 thk 2,5	206	4	80
184028003IG	28 x 1"	83	60	39x27 thk 2,5	387	4	48
184035003IG	35 x 1 1/4"	93	66	44,5x34 thk 2,5	467	1	30


191 G
≤54 B 10 13
76÷108 B 10 14
RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 316L – 1.4404

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	Z mm			
191018015G	18 x 15	57	37	35	4	200
191022015G	22 x 15	64	44	43	4	200
191022018G	22 x 18	60	40	47	4	200
191028015G	28 x 15	76,5	56,5	50	4	148
191028018G	28 x 18	68	48	63	4	100
191028022G	28 x 22	65	44	66	4	100
191035015G	35 x 15	87	67	89	1	50
191035018G	35 x 18	81	61	87	1	50
191035022G	35 x 22	70	49	90	1	50
191035028G	35 x 28	71	48	98	1	50
191042015G	42 x 15	91	71	111	1	50
191042018G	42 x 18	92	72	114	1	50
191042022G	42 x 22	97	76	120	1	50
191042028G	42 x 28	93	70	130	1	50
191042035G	42 x 35	81	55	138	1	40
191054015G	54 x 15	103	83	158	1	40
191054018G	54 x 18	103	83	162	1	40
191054022G	54 x 22	104	83	169	1	40
191054028G	54 x 28	108,5	85,5	180	1	40
191054035G	54 x 35	108	82	193	1	35
191054042G	54 x 42	97,5	67,5	210	1	30
191076054G	76,1 x 54	159	124	529	1	4
191088054G	88,9 x 54	179	144	683	1	4
191088076G	88,9 x 76,1	186	131	813	1	4
191108054G	108 x 54	185	150	831	1	2
191108076G	108 x 76,1	209	154	1022	1	2
191108088G	108 x 88,9	210	150	1107	1	2


185/CON
B 10 13
PIASTRA SUPPORTO CONTATORE

- SUPPORT PLATE FOR GAS METER
- GASZÄHLERANSCHLUSS-GRUNDPLATTE
- SUPPORT DE COMPTEUR À GAZ
- SOPORTE CONTADOR DA GAS

CODE	Dimensions mm x mm		
185000CONG	90 x 345 x 12 mm	535	1

**183/GP G****B 10 13****RACCORDO 2 PEZZI CON PRESA DI PRESSIONE**

- 2 PCS VALVE CONNECTOR PRESSION OUTLET
- ANSCHLU.2P/DRUCKAUSGANG
- RACCORD 2P AVEC SORTIE PRESSION
- RÁCOR 2P PRECINTABLE C/PURGADOR

MATERIAL: AISI 316L - 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** NBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** ISO 228/1 [ex DIN 259]

CODE	De x G mm x inch	L mm	Z mm	Y mm		
183015304GP	15 x 3/4"	70	29	44	112	4
183015708GP	15 x 7/8"	74	34	47	160	4
183018304GP	18 x 3/4"	70	29	44,5	114	4
183018708GP	18 x 7/8"	74,5	34	47,5	156	4
183022304GP	22 x 3/4"	69,5	29	43	120	4
183022708GP	22 x 7/8"	73,5	34	45,5	149	4

**183/GD G****B 10 13****RACCORDO 2 PEZZI CON DADO FOLLE**

- 2 PCS VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD 2 PC/ÉCROU LIBRE
- RÁCOR 2P PRECINTABLE

MATERIAL: AISI 316L - 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** NBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** ISO 228/1 [ex DIN 259]

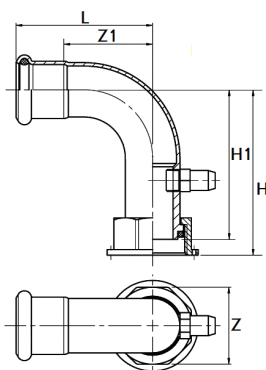
CODE	De x G mm x inch	L mm	Z mm	Y mm		
183015020GD	15 x M20	51	24	24	54	4
183015102GD	15 x 1/2"	49	24	24	53	4
183018102GD	18 x 1/2"	48	24	23,5	56	4
183018304GD	18 x 3/4"	52	29	27,5	74	4
183018708GD	18 x 7/8"	55	34	28	98	4
183022304GD	22 x 3/4"	51,5	29	26	79	4
183022708GDA	22 x 7/8"	56,5	34	28,5	108	4
183028708GDA	28 x 7/8"	57	34	27	116	4
183028100GD	28 x 1"	58	36	28	119	4
183035114GD	35 x 1"1/4	62,5	45	28,5	180	1
183042112GD	42 x 1"1/2	73	52	33	266	1
183054200GD	54 x 2"	81	64	34,5	417	1

**183/GC G****B 10 13****RACCORDO CURVO 90° 2 PEZZI**

- 2 PCS VALVE CONNECTOR 90°
- ANSCHLUSSVERSCHRAUBUNG 90°
- RACCORD ÉCROU LIBRE 90° 2PC
- RÁCOR 90° 2P PRECINTABLE

MATERIAL: AISI 316L - 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** NBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** ISO 228/1 (ex DIN 259)

CODE	Dex G mm x inch	L mm	Z mm	Z1 mm	H mm	H1 mm		
183018708GC	18 x 7/8"	41,6	34	21,6	56,5	48,5	120	4
183022708GC	22 x 7/8"	47	34	26	62	54	141	4

**183/GCP G****B 10 13****RACCORDO CURVO 90° 2 PEZZI CON PRESA PRESSIONE**

- 2 PCS VALVE CONNECTOR 90° PRESSION OUTLET
- ANSCHLUSSVERSCHRAUBUNG 90° MIT DRUCKAUSGANG
- RACCORD ÉCROU LIBRE 90° 2PC AVEC SORTIE PRESSION
- RÁCOR 90° 2P PRECINTABLE C/PURGADOR

MATERIAL: AISI 316L - 1.4404**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**GASKET:** NBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** ISO 228/1 (ex DIN 259)

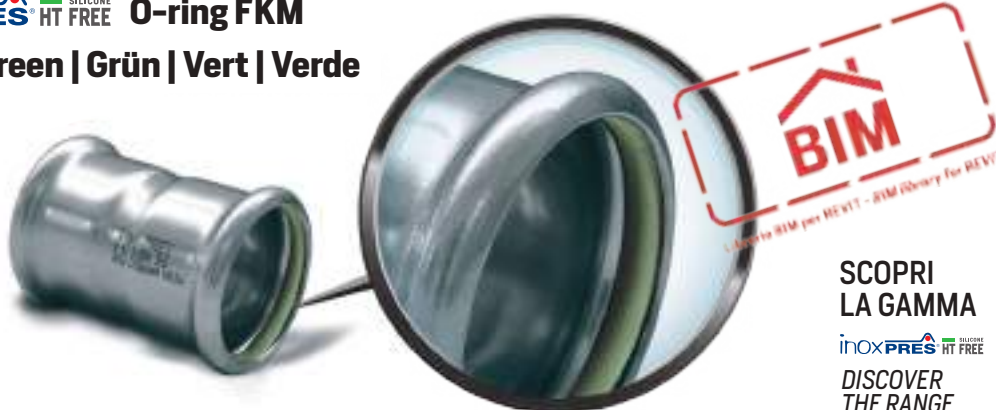
CODE	Dex G mm x inch	L mm	Z mm	Z1 mm	H mm	H1 mm		
183018708GCP	18 x 7/8"	41,6	34	21,6	76	68	167	4
183022708GCP	22 x 7/8"	47	34	26	79	72	171	4


inoxPRES® GAS Guarnizione / Gasket NBR
 Giallo | Yellow | Gelb | Jaune | Amarillo

 Particolare sede tenuta attacco contatore
 Particular seal of gas meter fitting
 art. 183/GP G - 183/GD G - 183/GC G - 183/GC G

Campi di applicazione / Fields of application

inoxPRES® HT FREE SILICONE

**Aria compressa**
Compressed air**Ossigeno industriale O₂**
Industrial oxygen O₂**Ozono O₃**
Ozone O₃**Solare termico**
Thermal solar**Olio / gasolio**
Oil / diesel fuelinoxPRES® HT FREE SILICONE **O-ring FKM****Verde | Green | Grün | Vert | Verde****SCOPRI
LA GAMMA**

inoxPRES® HT FREE SILICONE

**DISCOVER
THE RANGE****Applicazioni industriali**

- > Aria compressa
- > Ossigeno industriale O₂ (no alimentare/ospedaliero)
- > Ozono O₃
- > Solare termico P max 6 bar; T max 220°C
- > Olio / Gasolio

Utilizzare solo tubazioni "ricotte". Eventuali altre veicolazioni di fluidi particolari, devono essere valutate dall'ufficio tecnico di RM.

O-ring FKM verde**Industrial applications**

- > Compressed air
- > Industrial Oxygen O₂ (no food/hospital)
- > Ozone O₃
- > Thermal solar P max 6 bar; T max 220°C
- > Oil/diesel fuel

Only "annealed" pipes can be used. Any other vehiculation of special fluids, must be evaluated from RM technical office.

Green FKM O-Ring

FOCUS ON



IT

I componenti del sistema Inoxpres HT risultano sgrassati:

- in classe E sulla base del livello dei residui di sostanze volatili misurati in accordo allo standard ASTM F331-05;
- in classe D sulla base del livello dei residui di sostanze volatili misurati in accordo allo standard ASTM G 144-01;

[test report JOB ID 147 del 09/03/2017]

Gli o-ring FKM del sistema di raccordi a pressare:

- sono stati testati con Spettrofotometria ad infrarosso (FT-IR): non si è rilevata presenza di silicone [test report RA160100 del 15/04/2016]

EN

The components of Inoxpres HT system are degreased:

- Class E on the basis of the level of residues of volatile substances measured in accordance with ASTM F331-05 standards;
- Class D on the basis of the volatile residues level measured in accordance with ASTM G 144-01 standards;

[Test reports JOB ID 147 - 09.03.2017]

The FKM O-rings of press fitting system:

- are tested with infrared spectrophotometry (FT-IR): It has not detected the presence of silicon [Test report RA160100 - 15.04.2016]

DE

Die Komponenten des Inoxpres HT Systems sind entfettet:

- Klasse E auf der Grundlage des Rückstands an flüchtigen Stoffen, gemessen nach ASTM F331-05-Standard;
- Klasse D auf der Basis des flüchtigen Rückstandsniveaus, gemessen nach ASTM G 144-01 Standard;

[Prüfberichte JOB ID 147 - 09.03.2017]

Die FKM O-Ringe für Pressfitting:

- werden mit Infrarotspektrophotometrie (FT-IR) getestet: Es wurde das Vorhandensein von Silikon nicht nachgewiesen [Prüfbericht RA160100 - 15.04.2016]

FR

Les composants du système Inoxpres HT sont dégraissés:

- Classe E sur la base du niveau des résidus de substances volatiles mesuré selon la norme ASTM F331-05;
- Classe D sur la base du niveau des résidus de substances volatiles mesuré selon la norme ASTM G 144-01;

[Rapports d'essai JOB ID 147 - 09/03/2017]

Les joints FKM des systèmes de raccords à sertir:

- sont testés avec spectrophotométrie infrarouge (FT-IR): Il n'a pas détecté la présence de silicone [Rapports d'essai RA160100 - 15.04.2016]

ES

Los componentes del sistema HT Inoxpres están desengrasados según:

- Clase E: La medida del nivel de residuos de sustancias volátiles conforme a la norma ASTM F331-05;
- Clase D: La medida del nivel de residuos de sustancias volátiles conforme a la norma ASTM G 144-01;

[Informes de prueba N.º de trabajo 147, 09/03/2017]

Las juntas tóricas FKM del sistema prensado:

- Se han comprobado con una espectrofotometría infrarroja (FT-IR): No se ha detectado la presencia de silicona.

[Informes de prueba RA160100 de 15.04.2016]

Gamma dimensionale / Product range

ø 15 ÷ 54 mm

A richiesta / On demand

ø 76,1 ÷ 108 mm

Altre figure possono essere fornite "a richiesta"

Other figures can be provided "on demand"

Andere Bilder kann "auf Anfrage" vorgesehen sein

D'autres figures peuvent être fournis "sur demande"

Otras figuras pueden ser proporcionadas "bajo demanda"



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/300 6 m

≤54 B 30 31

76÷108 B 30 32

TUBO IN ACCIAIO INOSSIDABILE

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312

Mat. Nr.: 1.4404 (AISI 316L) L=6 m

Ricotto - Annealed - Geglüht - Hypertrempé - Recocido

CODE	Dimensions mm x mm	ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014
116018300	18 x 1,0	16	6	0,426	0,201	60	1014
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546
116035300	35 x 1,5	32	6	1,258	0,804	30	546
116042300	42 x 1,5	39	6	1,521	1,194	30	366
116054300	54 x 1,5	51	6	1,972	2,042	30	366
116076300	76,1 x 2,0	72,1	6	3,711	4,080	6	114
116088300	88,9 x 2,0	84,9	6	4,352	5,660	6	114
116108300	108 x 2,0	104	6	5,308	8,490	6	114

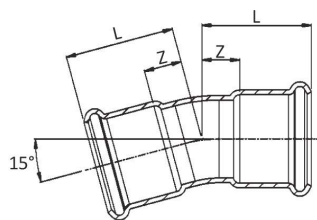
Per sistema silicone free, utilizzare solo tubo Inoxpres ricotto.

For silicone free system, only the annealed Inoxpres pipes must be used.

Für System freies Silikon, nur gegläht Inoxpres Rohre verwendet werden müssen.

Pour le système exempt de silicone, seuls les tuyaux hypertrempé Inoxpres doivent être utilisés.

Para el sistema libre de silicona, se deben utilizar únicamente tuberías recocida Inoxpres.



NEW

181/150 HT

CURVA 15° FF

- 15° ELBOW FF
- BOGEN 15° II
- COUDE FF 15°
- CURVA 15° HH

MATERIAL: AISI 316L – 1.4404

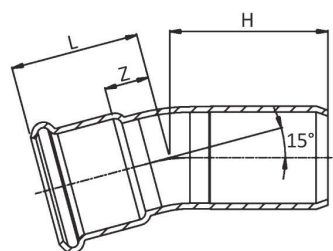
O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	Z mm	 g	
181018150HT	15	30	10	50	1
181042150HT	42	42	12	175	1
181054150HT	54	49	12	268	1
181076150CHT	76,1	87,5	32,5	777	2
181088150CHT	88,9	100,5	40,5	1032	2



NEW

181/151 HT

CURVA 15° MF

- 15° ELBOW MF
- BOGEN 15° IA
- COUDE MF 15°
- CURVA 15° HM

MATERIAL: AISI 316L – 1.4404

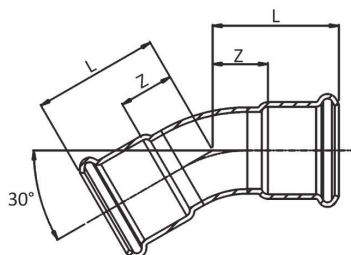
O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	H mm	Z mm	 g	
181042151HT	42	42	55,5	12	135	1
181054151HT	54	49	55	13	293	1
181088151CHT	88,9	100,5	108,5	40,5	988	2
181108151CHT	108	109,5	118	34,5	1332	2



NEW

181/300 HT**CURVA 30° FF**

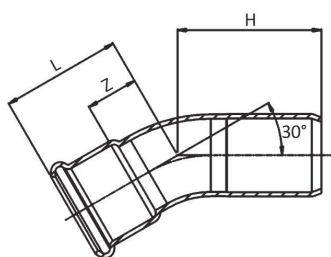
- 30° ELBOW FF
- BOGEN 30° II
- COUDE FF 30°
- CURVA 30° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silica

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	Z mm		
181018300HT	18	32	12	52	1
181022300HT	22	37	16	82	1
181028300HT	28	41	18	112	1
181035300HT	35	37	11	123	1
181042300HT	42	44	14	175	1
181054300HT	54	52	17	268	1
181076300HT	76,1	100	45	900	2
181088300HT	88,9	115	64	1250	2
181108300HT	108	127	68	1700	2



NEW

181/301 HT**CURVA 30° MF**

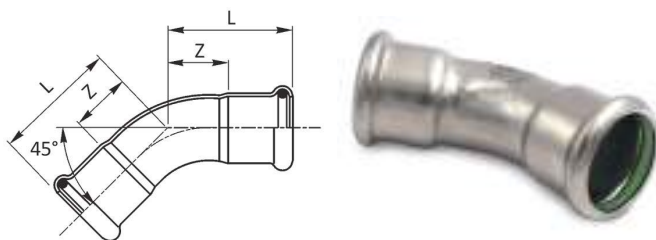
- 30° ELBOW MF
- BOGEN 30° IA
- COUDE MF 30°
- CURVA 30° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silica

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	H mm	Z mm		
181054301HT	54	52	63	17	293	1
181076301HT	76,1	100	108	54	900	2
181088301HT	88,9	115	123	64	1250	2
181108301HT	108	127	136	68	1700	2



181/450 HT

≤54 B 10 16
76÷108 B 10 19

CURVA 45° FF

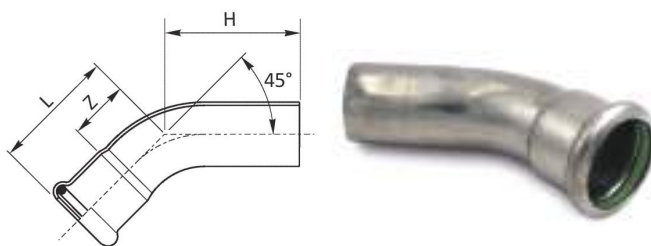
- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	Radius	L mm	Z mm		
181015450CHT	15	1,2 De	27,5	7,5	39	1
181018450CHT	18	1,2 De	29,5	9,5	48	1
181022450CHT	22	1,2 De	32	11	63	1
181028450CHT	28	1,2 De	37	14	90	1
181035450HT	35	1,2 De	43	17	127	1
181042450HT	42	1,2 De	51	21	177	1
181054450HT	54	1,2 De	62	30	273	1
NEW 181076450HT	76,1	1,2 De	131,5	76,5	900	2
NEW 181088450HT	88,9	1,2 De	144	84	1250	2
NEW 181108450HT	108	1,2 De	169	94	1700	2



181/451 HT

≤54 B 10 16
76÷108 B 10 19

CURVA 45° MF

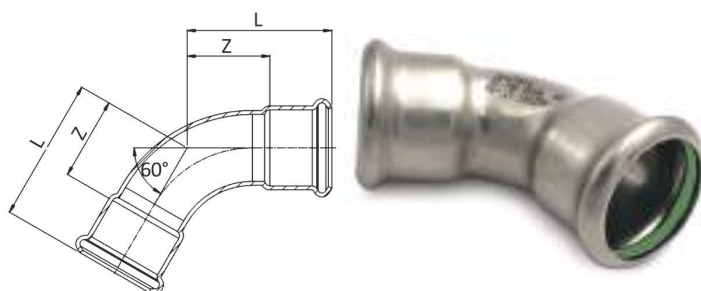
- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	Radius	L mm	H mm	Z mm		
181015451CHT	15	1,2 De	27,5	36	7,5	38	1
181018451CHT	18	1,2 De	29,5	38	9,5	47	1
181022451CHT	22	1,2 De	32	42	11	63	1
181028451CHT	28	1,2 De	37	46	14	90	1
181035451HT	35	1,2 De	43	57,5	17	132	1
181042451HT	42	1,2 De	51	72	21	196	1
181054451HT	54	1,2 De	62	82	26	296	1
NEW 181076451HT	76,1	1,2 De	131,5	149	76,5	900	2
NEW 181088451HT	88,9	1,2 De	144	159	84	1250	2
NEW 181108451HT	108	1,2 De	169	199	94	1700	2



NEW

181/600 HT**CURVA 60° FF**

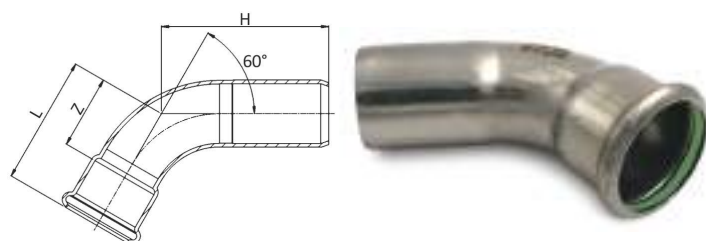
- 60° ELBOW FF
- BOGEN 60° II
- COUDE FF 60°
- CURVA 60° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	Z mm		
181022600HT	22	36	15	68	1
181028600HT	28	42	19	98	1
181035600HT	35	50	24	141	1
181042600HT	42	59	29	204	1
181054600HT	54	72,5	37	313	1
181088600HT	88,9	162	102	1517	2



NEW

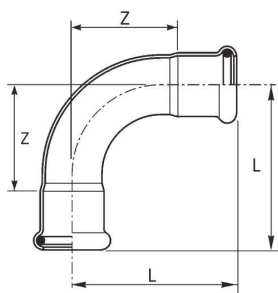
181/601 HT**CURVA 60° MF**

- 60° ELBOW MF
- BOGEN 60° IA
- COUDE MF 60°
- CURVA 60° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

B 10 16

CODE	De mm	L mm	H mm	Z mm		
181028601HT	28	42	51	19	98	1



181/900 HT

≤54 B 10 16
76÷108 B 10 19

CURVA 90° FF

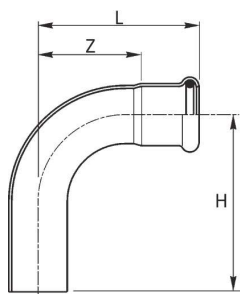
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	Radius	L mm	Z mm		
181015900CHT	15	1,2 De	38	18	46	1
181018900CHT	18	1,2 De	41,5	21,5	58	1
181022900CHT	22	1,2 De	47	26	78	1
181028900CHT	28	1,2 De	56	33	116	1
181035900HT	35	1,2 De	68	42	162	1
181042900HT	42	1,2 De	80	50	231	1
181054900HT	54	1,2 De	100	64	367	1
NEW 181076900HT	76,1	1,2 De	160	105	1150	2
NEW 181088900HT	88,9	1,2 De	182	122	1580	2
NEW 181108900HT	108	1,2 De	220	145	2250	2



181/901 HT

≤54 B 10 16
76÷108 B 10 19

CURVA 90° MF

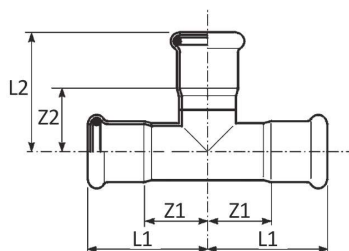
- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	Radius	L mm	H mm	Z mm		
181015901CHT	15	1,2 De	38	48	18	46	1
181018901CHT	18	1,2 De	41,5	48,5	21,5	56	1
181022901CHT	22	1,2 De	47	57	26	79	1
181028901CHT	28	1,2 De	56	64	33	115	1
181035901HT	35	1,2 De	68	82	42	176	1
181042901HT	42	1,2 De	80	101	50	253	1
181054901HT	54	1,2 De	100	120	64	390	1
NEW 181076901HT	76,1	1,2 De	160	180	105	1150	2
NEW 181088901HT	88,9	1,2 De	182	197	122	1580	2
NEW 181108901HT	108	1,2 De	220	236	145	2250	2

**182 HT**

≤54 B 10 16

76÷108 B 10 19

"T"

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

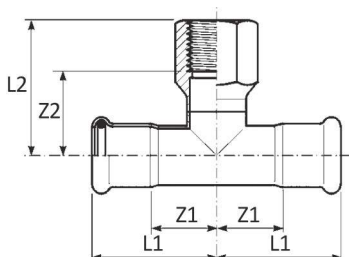
MATERIAL: AISI 316L - 1.4404**O-RING:** FKM verde - green - Grün - vert - verde**TYPE:** esente silicone - silicon free
Siliconfrei - sans silicone
libre de silica

NEW

NEW

NEW

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
182015000HT	15	34	39	14	19	67	1
182018000HT	18	37	41	16	21	80	1
182022000HT	22	39	45	18	24	106	1
182028000HT	28	44	50	21	27	145	1
182035000HT	35	51	57	25	31	201	1
182042000HT	42	59	65	28	35	260	1
182054000HT	54	70	77	34	42	404	1
182076000HT	76,1	108	118	53	63	1275	2
182088000HT	88,9	132	131	72	71	1535	2
182108000HT	108	155	160	80	85	2115	2

**189 HT**

≤54 B 10 16

76÷108 B 10 19

**"T" CON DERIVAZIONE
FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 316L - 1.4404**O-RING:** FKM verde - green - Grün - vert - verde**TYPE:** esente silicone - silicon free
Siliconfrei - sans silicone
libre de silica**THREAD:** EN 10226-1 (ex ISO 7/1)

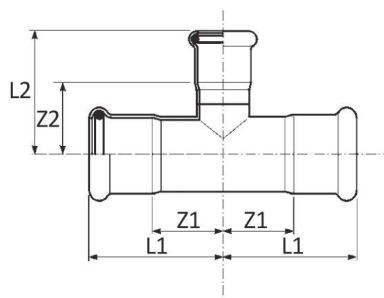
NEW

NEW

NEW

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
189102015HT*	15 x 1/2" x 15	36,5	22,5	16,5	8,5	117	1
189102018HT*	18 x 1/2" x 18	36	24	16	10	128	1
189102022HT*	22 x 1/2" x 22	39	26	18	12	159	1
189304022HT*	22 x 3/4" x 22	41,5	30	20,5	14	184	1
189102028HT*	28 x 1/2" x 28	44	29	21	15	217	1
189304028HT*	28 x 3/4" x 28	44	30	21	14	221	1
189102035HT	35 x 1/2" x 35	51	51	25	36	197	1
189100035HT	35 x 1" x 35	51	47	22	28	250	1
189102042HT	42 x 1/2" x 42	59	54	29	39	271	1
189100042HT	42 x 1" x 42	59	60	29	41	346	1
189102054HT	54 x 1/2" x 54	70	61	34	46	377	1
189304054HT	54 x 3/4" x 54	70	64	34	48	391	1
189200054HT	54 x 2" x 54	70	81	34	55	838	1
189304076HT	76,1 x 3/4" x 76,1	108	77	53	60	1040	2

(*) senza saldatura - seamless - nahtlos - sans soudure - sin soldadura



192 HT

≤54 B 10 16
76÷108 B 10 19

"T" RIDOTTO

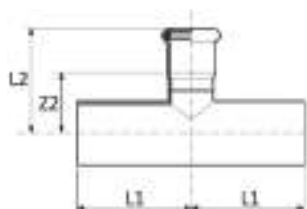
- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

	CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm	g	
	192018015HT	18 x 15 x 18	36,5	41	15,5	21	80	1
NEW	192022015HT	22 x 15 x 22	39	43	18	23	95	1
	192022018HT	22 x 18 x 22	39	44	18	23	98	1
NEW	192028018HT	28 x 18 x 28	44	46	21	26	130	1
	192028022HT	28 x 22 x 28	44	47	21	26	135	1
NEW	192035018HT	35 x 18 x 35	51	50	25	30	163	1
	192035022HT	35 x 22 x 35	51	51	25	30	167	1
	192035028HT	35 x 28 x 35	51	54	25	31	171	1
NEW	192042018HT	42 x 18 x 42	59	54	29	34	232	1
NEW	192042022HT	42 x 22 x 42	59	54	29	33	237	1
	192042028HT	42 x 28 x 42	59	57	29	34	243	1
	192042035HT	42 x 35 x 42	59	61	29	35	272	1
NEW	192054018HT	54 x 18 x 54	70	61	34	41	335	1
NEW	192054028HT	54 x 28 x 54	70	65	34	42	345	1
	192054035HT	54 x 35 x 54	70	68	34	42	361	1
	192054042HT	54 x 42 x 54	70	72	34	42	376	1
NEW	192076022HT	76,1 x 22 x 76,1	108	74	53	53	995	2
NEW	192076028HT	76,1 x 28 x 76,1	108	77	53	54	1015	2
NEW	192076042HT	76,1 x 42 x 76,1	108	84	53	54	1045	2
NEW	192076054HT	76,1 x 54 x 76,1	108	91	53	55	1065	2
NEW	192088054HT	88,9 x 54 x 88,9	132	98	72	63	1280	2
NEW	192108076HT	108 x 76,1 x 108	155	135	80	80	1930	2



NEW

188 HT

B 10 16

"T" RIDOTTO MFM

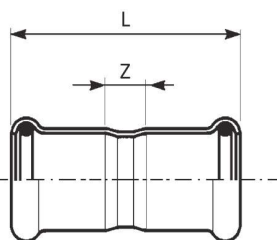
- REDUCING TEE MFM
- T-STÜCK MIT REDUZIERTEM ABGANG A/I/A
- TÉ RÉDUIT MFM
- TE REDUCIDA MHM

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

	CODE	De mm	L1 mm	L2 mm	Z2 mm	g	
	188054028HT	54 x 28 x 54	73,5	64,5	41,5	334	1

**183/000 HT**

≤54 B 10 16
76÷108 B 10 19

MANICOTTO

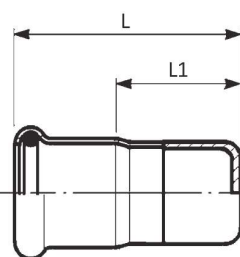
- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

NEW

NEW

CODE	De mm	L mm	Z mm	 g	
183015000HT	15	49	9	35	1
183018000HT	18	50	10	42	1
183022000HT	22	53	11	54	1
183028000HT	28	56	10	71	1
183035000HT	35	63	10	97	1
183042000HT	42	72	12	136	1
183054000HT	54	83	13	198	1
183076000HT	76,1	142	32	635	2
183088000HT	88,9	166	46	765	2

**183/003 HT**

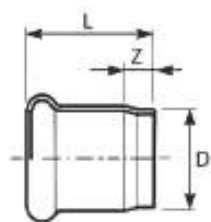
B 10 16

TAPPO DI CHIUSURA

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	L mm	L1 mm	 g	
183015003HT	15	26	5	26	1
183018003HT	18	26	5	32	1
183022003HT	22	27	5	43	1
183028003HT	28	29	5	61	1
183035003HT	35	52	26	95	1
183042003HT	42	56	26	126	1
183054003HT	54	62	27	185	1



NEW

187/R HT**MEZZO MANICOTTO A SALDARE**

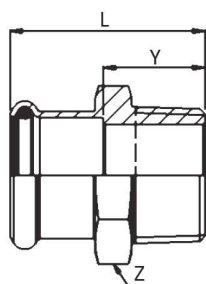
- HALF WELDING COUPLING
- HALBE LAENGE SCHWEISSMUFFE
- DEMI MANCHON À SOUDER
- MEDIO MANGUITO PARA SOLDAR

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde - green - Grün - vert - verde**TYPE:** esente silicone - silicon free
Siliconfrei - sans silicone
libre de silica

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	D mm	L mm	Z mm		
187042000RHT	42	44	41	11	74	1
187054000RHT	54	56	48	12	104	1
187108000RHT	108	108	100	25	614	4

**187 HT****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde - green - Grün - vert - verde**TYPE:** esente silicone - silicon free
Siliconfrei - sans silicone
libre de silica**THREAD:** EN 10226-1 (ex ISO 7/1)

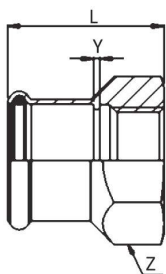
B 10 16

NEW

CODE	De x R mm x inch	L mm	Z mm	Y mm		
187308015HT	15 x 3/8"	38	24	18	48.0	1
187102015HT	15 x 1/2"	41	24	21	58.0	1
187102018HT	18 x 1/2"	41	27	21	60.0	1
187102022HT	22 x 1/2"	42	32	21	86.0	1
187304022HT	22 x 3/4"	44	32	23	88.0	1
187100022HT	22 x 1"	46	36	25	156.0	1
187304028HT	28 x 3/4"	47	38	24	118.0	1
187100028HT	28 x 1"	48	38	25	129.0	1
187114035HT	35 x 1 1/4"	55	46	28	201.0	1
187114042HT	42 x 1 1/4"	59	55	28	263.0	1
187112042HT	42 x 1 1/2"	59	54	28	256.0	1
187112054HT	54 x 1 1/2"	65	65	29	371.0	1
187200054HT	54 x 2"	71	65	35	391.0	1

NEW

NEW



190 HT

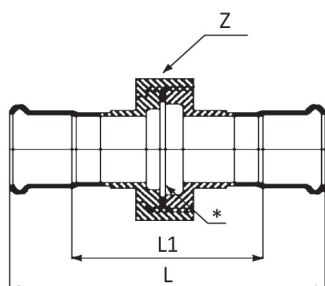
B 10 16

MANICOTTO MISTO FILETTO F

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silica**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm		
190102015HT	15 x 1/2"	38	27	2	63.0	1
190102018HT	18 x 1/2"	38	27	2	65.0	1
190304022HT	22 x 3/4"	40	32	2	79.0	1
NEW 190102028HT	28 x 1/2"	45	41	2	156.0	1
190304028HT	28 x 3/4"	42	38	2	129.0	1
190100028HT	28 x 1"	45	41	2	139.0	1
190114035HT	35 x 1 1/4"	52	46	2	156.0	1
190112042HT	42 x 1 1/2"	56	55	2	243.0	1
190200054HT	54 x 2"	65	65	2	317.0	1



NEW

184/001 HT

B 10 16

BOCCHETTONE SEDE PIANA

- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silica**GASKET:** [*]: FKM verde – green – Grün – vert – verde

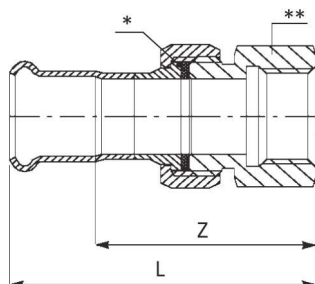
CODE	De mm	L mm	L1 mm	Z mm	Gasket mm		
184018001HT	18	97	57	39	30x20 thk 3	187	1

B 10 16

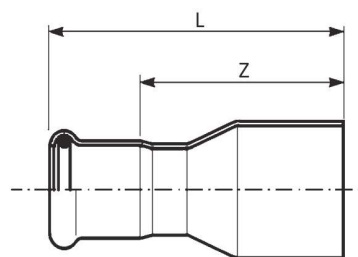
NEW

184/003 INOX HT**BOCCHETTONE SEDE PIANA FILETTO F**

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L – 1.4404**FITTING:** (**): AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona**GASKET:** (*): FKM verde – green – Grün – vert – verde**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm		
184028003IHT	28 x 1"	83	60	39x27 thk 3	387	1

**191 HT****RIDUZIONE MF**

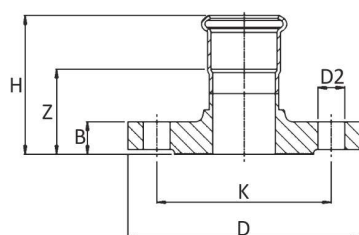
- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

≤54 B 10 16

76÷108 B 10 19

CODE	De mm	L mm	Z mm		
191018015HT	18 x 15	57	37	35	1
191022018HT	22 x 18	60	60	47	1
191028015HT	28 x 15	56,5	76,5	50	1
NEW 191028018HT	28 x 18	68	48	63	1
191028022HT	28 x 22	65	44	66	1
NEW 191035018HT	35 x 18	81	61	87	1
NEW 191035022HT	35 x 22	70	49	90	1
191035028HT	35 x 28	71	48	98	1
NEW 191042018HT	42 x 18	92	72	114	1
NEW 191042028HT	42 x 28	93	70	130	1
191042035HT	42 x 35	81	55	138	1
NEW 191054018HT	54 x 18	103	83	162	1
NEW 191054035HT	54 x 35	108	82	193	1
191054042HT	54 x 42	97,5	67,5	210	1
NEW 191076042HT	76,1 x 42	149	119	471	4
NEW 191076054HT	76,1 x 54	159	124	529	4
NEW 191088054HT	88,9 x 54	179	144	683	4
NEW 191088076HT	88,9 x 76,1	186	131	813	4
NEW 191108054HT	108 x 54	185	150	831	2
NEW 191108076HT	108 x 76,1	209	154	1022	2

**193/000 HT**

≤54 B 10 16

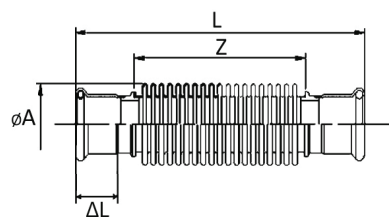
76÷108 B 10 19

**MANICOTTO
FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona**PN 16**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm		
193015000HT	15	15	55	35	14	95	14	4	65	660	1
193018000HT	18	15	55,5	35,5	14	95	14	4	65	660	1
193022000HT	22	20	58,5	37,5	16	105	14	4	75	945	1
193028000HT	28	25	61,5	38,5	16	115	14	4	85	1140	1
193035000HT	35	32	65,5	39,5	16	140	18	4	100	1640	1
193042000HT	42	40	69	39	16	150	18	4	110	1800	1
193054000HT	54	50	78	42	18	165	18	4	125	2450	1
NEW 193076000HT	76,1	65	105	50	18	185	18	4	145	3184	2
NEW 193088000HT	88,9	80	116	56	20	200	18	8	160	3950	2
NEW 193108000HT	108	100	132	57	20	220	18	8	180	4729	2



199 HT

COMPENSATORE DI DILATAZIONE

- EXPANSION COMPENSATOR
- WELLENKOMPENSATOR
- COMPENSATEUR D'EXPANSION
- DILATADOR

MATERIAL: AISI 316L – 1.4404

O-RING: FKM verde – green – Grün – vert – verde

TYPE: esente silicone – silicon free
Siliconfrei – sans silicone
libre de silicona

CODE	De mm	L mm	Z mm	A mm		
199015000HT	15	139	71	22	80	1
199018000HT	18	143	74	27	108	1
199022000HT	22	139	68	34	130	1
199028000HT	28	150	73	41	155	1
199035000HT	35	177	90	51	251	1
199042000HT	42	202	107	61	440	1
199054000HT	54	221	113	71	550	1

199 - Compensatore di dilatazione - Expansion compensator - Wellenkomensator Compensateur d'expansion - Dilatador

La corsa massima di lavoro non deve superare la corsa nominale sotto indicata / The maximum axial stroke must not exceed the nominal value below indicated
La course axiale maximum ne doit pas dépasser la course nominale indiquée ci-dessous / Der maximale Axialhub darf den unten angegebenen Nennwert nicht überschreiten / El rango máximo de trabajo no debe exceder el rango nominal abajo indicado

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)
199 / 15	15	800	16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 18	18		18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	
199 / 22	22		20,0		18,4		17,0		15,8		14,8		14,2		13,7		13,2		12,8		12,4	
199 / 28	28		22,0	16	20,2	14,5	18,7	13,5	17,4	12,5	16,3	12	15,6	11,5	15,0	11	14,5	10,5	14,1	10,2	13,6	9,5
199 / 35	35		26,0		23,9		22,1		20,5		19,2		18,5		17,8		17,2		16,6		16,1	
199 / 42	42		32,0		29,4		27,2		25,3		23,7		22,7		21,9		21,1		20,5		19,8	
199 / 54	54		36,0		33,1		30,6		28,4		26,6		25,6		24,6		23,8		23,0		22,3	

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)
199 / 15	15	2900	11,2		10,3		9,5		8,8		8,3		8,0		7,6		7,4		7,2		6,9	
199 / 18	18		12,6		11,6		10,7		10,0		9,3		8,9		8,6		8,3		8,1		7,8	
199 / 22	22		14,0		12,9		11,9		11,1		10,4		9,9		9,6		9,2		9,0		8,7	
199 / 28	28		15,4	16	14,2	14,5	13,1	13,5	12,2	12,5	11,4	12	10,9	11,5	10,5	11	10,2	10,5	9,9	10,2	9,5	9,5
199 / 35	35		18,2		16,7		15,5		14,4		13,5		12,9		12,4		12,0		11,6		11,3	
199 / 42	42		22,4		20,6		19,0		17,7		16,6		15,9		15,3		14,8		14,3		13,9	
199 / 54	54		25,2		23,2		21,4		19,9		18,6		17,9		17,2		16,6		16,1		15,6	

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)
199 / 15	15	12000	8,0		7,4		6,8		6,3		5,9		5,7		5,5		5,3		5,1		5,0	
199 / 18	18		9,0		8,3		7,7		7,1		6,7		6,4		6,1		5,9		5,8		5,6	
199 / 22	22		10,0		9,2		8,5		7,9		7,4		7,1		6,8		6,6		6,4		6,2	
199 / 28	28		11,0	16	10,1	14,5	9,4	13,5	8,7	12,5	8,1	12	7,8	11,5	7,5	11	7,3	10,5	7,0	10,2	6,8	9,5
199 / 35	35		13,0		12,0		11,1		10,3		9,6		9,2		8,9		8,6		8,3		8,1	
199 / 42	42		16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 54	54		18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	

Cycles MAX = Numero di cicli di lavoro - Work cycles number - Anzahl der Zyklen - Nombre de cycles de travail - Número de ciclos de trabajo

ΔL (mm) = Corsa assiale in compressione - Compression axial stroke - Axialhub in Kompression - Course axiale en compression - Carrera axial en compresión

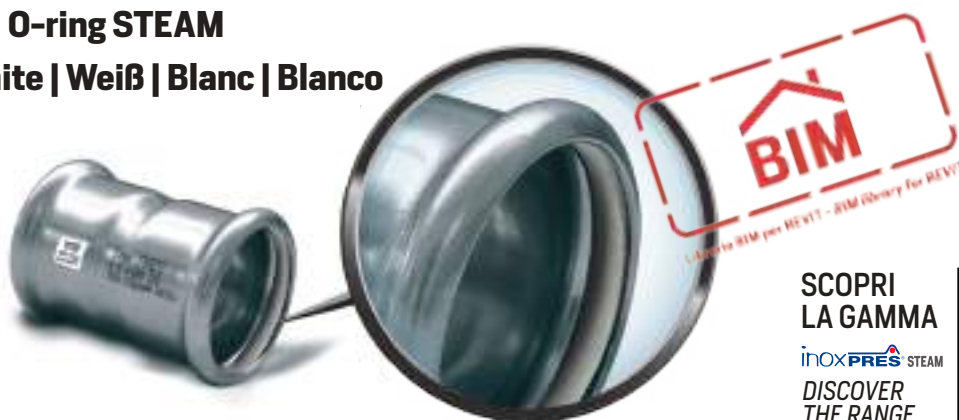
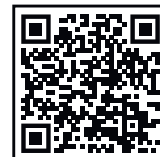
P (bar) = pressione massima di lavoro - Maximum working pressure - maximaler Arbeitsdruck - Pression de travail maximale - Presión máxima de trabajo

Campi di applicazione / Fields of application

inoxPRES® STEAM

**Vapore saturo**
Saturated steam
Max 7 bara (6 barg) / 165° C

inoxPRES® O-ring STEAM

Bianco | White | Weiß | Blanc | Blanco**SCOPRI
LA GAMMA**inoxPRES® STEAM
**DISCOVER
THE RANGE****Applicazioni industriali****O-Ring STEAM bianco****> Vapore saturo P max 7 bar assoluti (6 bar relativi);
T max 165°C**

Eventuali altre veicolazioni di fluidi particolari, devono essere valutate dall'ufficio tecnico di RM.

Industrial applications**White STEAM O - ring****> Saturated steam 7 bar absolute (6 bar relative);
T max 165°**

Any other vehiculation of specialfluids, must be evaluated from RM technical office.

Gamma dimensionale / Product range**A richiesta / On demand****ø 15 ÷ 54 mm****ø 76,1 ÷ 108 mm**

Altre figure possono essere fornite "a richiesta"

Other figures can be provided "on demand"

Andere Bilder kann "auf Anfrage" vorgesehen sein

D'autres figures peuvent être fournis "sur demande"

Otras figuras pueden ser proporcionadas "bajo demanda"



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/200 6 m**B 30 31****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=6 m****Crudo - Not annealed - Ungelüht - Non-hypertrempé - Crudo**

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m	Bundle m
116015200	15 x 1,0	13	6	0,351	0,133	60	1014
116018200	18 x 1,0	16	6	0,426	0,201	60	1014
116022200	22 x 1,2	19,6	6	0,625	0,302	60	762
116028200	28 x 1,2	25,6	6	0,805	0,514	30	546
116035200	35 x 1,5	32	6	1,258	0,804	30	546
116042200	42 x 1,5	39	6	1,521	1,194	30	366
116054200	54 x 1,5	51	6	1,972	2,042	30	366



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/300 6 m**B 30 31****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=6 m****Ricotto - Annealed - Geglüht - Hypertrempé - Recocido**

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m	Bundle m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014
116018300	18 x 1,0	16	6	0,426	0,201	60	1014
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546
116035300	35 x 1,5	32	6	1,258	0,804	30	546
116042300	42 x 1,5	39	6	1,521	1,194	30	366
116054300	54 x 1,5	51	6	1,972	2,042	30	366



I prezzi dei tubi sono validi fino a nuova comunicazione.
 Pipe prices are valid until new update.
 Die Rohrpreise gelten bis auf weiteres.
 Les prix des tubes sont valables jusqu'à nouvelle communication.
 Los precios de las tuberías son válidos hasta nueva comunicación.

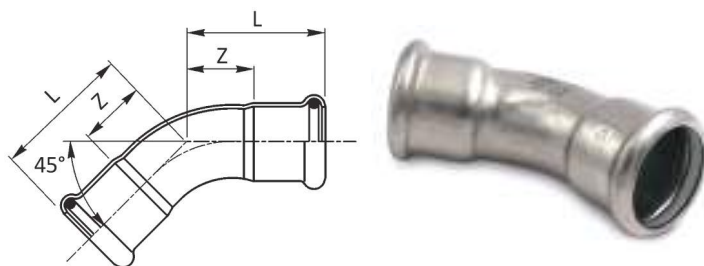
114/200 6 m**B 30 34****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4307 (AISI 304L) L=6 m****Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
114015200	15 x 1,0	13	6	0,351	0,133	60	1014
114018200	18 x 1,0	16	6	0,426	0,201	60	1014
114022200	22 x 1,2	19,6	6	0,625	0,302	60	762
114028200	28 x 1,2	25,6	6	0,805	0,514	30	546
114035200	35 x 1,5	32	6	1,258	0,804	30	546
114042200	42 x 1,5	39	6	1,521	1,194	30	366
114054200	54 x 1,5	51	6	1,972	2,042	30	366

B 10 15

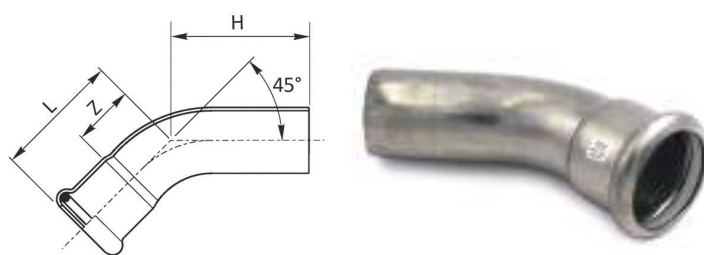
**181/450 ST****CURVA 45° FF**

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C

CODE	De mm	Radius	L mm	Z mm		
181015450CST	15	1,2 De	27,5	7,5	39	1
181018450CST	18	1,2 De	29,5	9,5	48	1
181022450CST	22	1,2 De	32	11	63	1
181028450CST	28	1,2 De	37	14	90	1
181035450ST	35	1,2 De	43	17	127	1
181042450ST	42	1,2 De	51	21	177	1
181054450ST	54	1,2 De	62	30	273	1

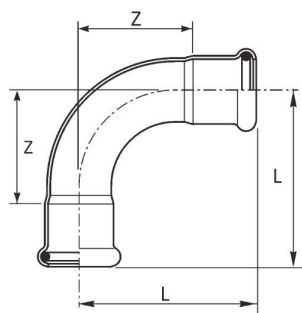
B 10 15

**181/451 ST****CURVA 45° MF**

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C

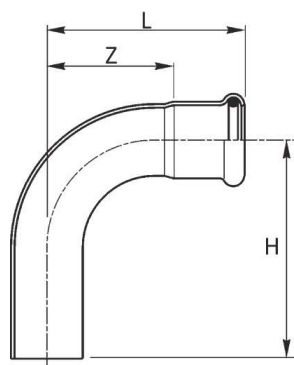
CODE	De mm	Radius	L mm	H mm	Z mm		
181015451CST	15	1,2 De	27,5	36	7,5	38	1
181018451CST	18	1,2 De	29,5	38	9,5	47	1
181022451CST	22	1,2 De	32	42	11	63	1
181028451CST	28	1,2 De	37	46	14	90	1
181035451ST	35	1,2 De	43	57,5	17	132	1
181042451ST	42	1,2 De	51	72	21	196	1
181054451ST	54	1,2 De	62	82	26	296	1


181/900 ST
B 10 15
CURVA 90° FF

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 316L – 1.4404
O-RING: STEAM bianco - white - Weiß
 blanc - blanco
TYPE: vapore saturo - saturated steam
 Sattedampf - vapeur saturée
 vapor saturado
 P max 7 bara (6 barg) - T max 165°C

CODE	De mm	Radius	L mm	Z mm		
181015900CST	15	1,2 De	38	18	46	1
181018900CST	18	1,2 De	41,5	21,5	58	1
181022900CST	22	1,2 De	47	26	78	1
181028900CST	28	1,2 De	56	33	116	1
181035900ST	35	1,2 De	68	42	162	1
181042900ST	42	1,2 De	80	50	231	1
181054900ST	54	1,2 De	100	64	367	1

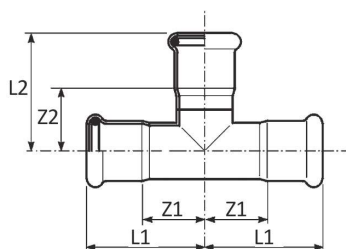

181/901 ST
B 10 15
CURVA 90° MF

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 316L – 1.4404
O-RING: STEAM bianco - white - Weiß
 blanc - blanco
TYPE: vapore saturo - saturated steam
 Sattedampf - vapeur saturée
 vapor saturado
 P max 7 bara (6 barg) - T max 165°C

CODE	De mm	Radius	L mm	H mm	Z mm		
181015901CST	15	1,2 De	38	48	18	46	1
181018901CST	18	1,2 De	41,5	48,5	21,5	56	1
181022901CST	22	1,2 De	47	57	26	79	1
181028901CST	28	1,2 De	56	64	33	115	1
181035901ST	35	1,2 De	68	82	42	176	1
181042901ST	42	1,2 De	80	101	50	253	1
181054901ST	54	1,2 De	100	120	64	390	1

B 10 15

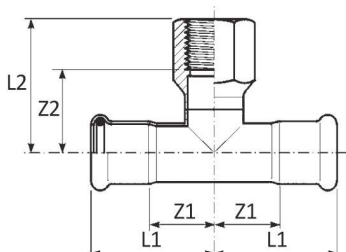
**182 ST****“T”**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C

CODE	De mm	Z1 mm	Z2 mm	L1 mm	L2 mm		
182015000ST	15	14	19	34	39	67	1
182018000ST	18	16	21	37	41	80	1
182022000ST	22	18	24	39	45	106	1
182028000ST	28	21	27	44	50	145	1
182035000ST	35	25	31	51	57	201	1
182042000ST	42	28	35	59	65	260	1
182054000ST	54	34	42	70	77	404	1

B 10 15

**189 ST****“T” CON DERIVAZIONE FILETTO F**

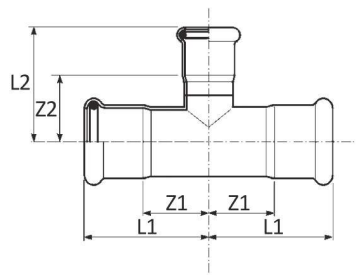
- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
189102015ST*	15 x 1/2" x 15	36,5	22,5	16,5	8,5	117	1
189102018ST*	18 x 1/2" x 18	36	24	16	10	128	1
189102022ST*	22 x 1/2" x 22	39	26	18	12	159	1
189304022ST*	22 x 3/4" x 22	41,5	30	20,5	14	184	1
189102028ST*	28 x 1/2" x 28	44	29	21	15	217	1
189304028ST*	28 x 3/4" x 28	44	30	21	14	221	1
189100035ST	35 x 1" x 35	51	47	22	28	250	1
189100042ST	42 x 1" x 42	59	60	29	41	346	1
189200054ST	54 x 2" x 54	70	81	34	55	838	1

(*) senza saldatura – seamless – nahtlos – sans soudure – sin soldadura

B 10 15

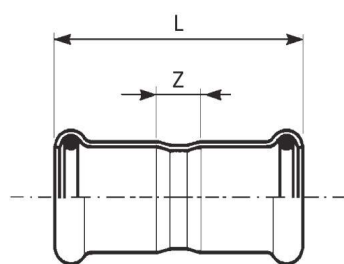
**192 ST****“T” RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco - white - Weiß
blanc - blanco**TYPE:** vapore saturo - saturated steam
Satttdampf - vapeur saturée
vapor saturado

P max 7 bara (6 barg) - T max 165°C

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
192018015ST	18 x 15 x 18	36,5	41	15,5	21	80	1
192022018ST	22 x 18 x 22	39	43	18	23	95	1
192028022ST	28 x 22 x 28	44	47	21	26	135	1
192035022ST	35 x 22 x 35	51	51	25	30	167	1
192035028ST	35 x 28 x 35	51	54	25	31	171	1
192042028ST	42 x 28 x 42	59	57	29	34	243	1
192042035ST	42 x 35 x 42	59	61	29	35	272	1
192054035ST	54 x 35 x 54	70	68	34	42	361	1
192054042ST	54 x 42 x 54	70	72	34	42	376	1

**183/000 ST****MANICOTTO**

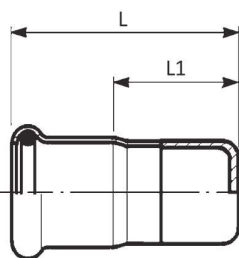
- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco - white - Weiß
blanc - blanco**TYPE:** vapore saturo - saturated steam
Satttdampf - vapeur saturée
vapor saturado

P max 7 bara (6 barg) - T max 165°C

CODE	De mm	L mm	Z mm		
183015000ST	15	49	9	35	1
183018000ST	18	50	10	42	1
183022000ST	22	53	11	54	1
183028000ST	28	56	10	71	1
183035000ST	35	63	10	97	1
183042000ST	42	72	12	136	1
183054000ST	54	83	13	198	1

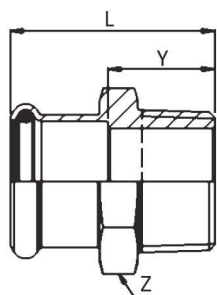
B 10 15

**183/003 ST****TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C

CODE	De mm	L mm	L1 mm		
183015003ST	15	26	5	26	1
183018003ST	18	26	5	32	1
183022003ST	22	27	5	43	1
183028003ST	28	29	5	61	1
183035003ST	35	52	26	95	1
183042003ST	42	56	26	126	1
183054003ST	54	62	27	185	1

**187 ST****MANICOTTO MISTO FILETTO M**

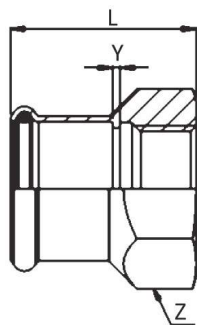
- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C**THREAD:** EN 10226-1 (ex ISO 7/1)

B 10 15

CODE	De x R mm x inch	L mm	Z mm	Y mm		
187102015ST	15 x 1/2"	41	24	21	58.0	1
187102018ST	18 x 1/2"	41	27	21	60.0	1
187102022ST	22 x 1/2"	42	32	21	86.0	1
187304022ST	22 x 3/4"	44	32	23	88.0	1
187100022ST	22 x 1"	46	36	25	156.0	1
187304028ST	28 x 3/4"	47	38	24	118.0	1
187100028ST	28 x 1"	48	38	25	129.0	1
187114035ST	35 x 1 1/4"	55	46	28	201.0	1
187112042ST	42 x 1 1/2"	59	55	28	256.0	1
187200054ST	54 x 2"	71	65	35	391.0	1

B 10 15

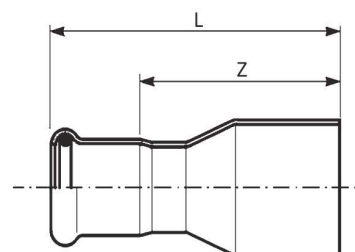
**190 ST****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 316L – 1.4404
O-RING: STEAM bianco - white - Weiß
 blanc - blanco
TYPE: vapore saturo - saturated steam
 Sattedampf - vapeur saturée
 vapor saturado
 P max 7 bara (6 barg) - T max 165°C
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm	 g	
190102015ST	15 x 1/2"	38	27	2	63.0	1
190102018ST	18 x 1/2"	38	27	2	65.0	1
190304022ST	22 x 3/4"	40	32	2	79.0	1
190304028ST	28 x 3/4"	42	38	2	129.0	1
190100028ST	28 x 1"	45	41	2	139.0	1
190114035ST	35 x 1"1/4	52	46	2	156.0	1
190112042ST	42 x 1"1/2	56	55	2	243.0	1
190200054ST	54 x 2"	65	65	2	317.0	1

B 10 15

**191 ST****RIDUZIONE MF**

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 316L – 1.4404
O-RING: STEAM bianco - white - Weiß
 blanc - blanco
TYPE: vapore saturo - saturated steam
 Sattedampf - vapeur saturée
 vapor saturado
 P max 7 bara (6 barg) - T max 165°C

CODE	De mm	L mm	Z mm	 g	
191018015ST	18 x 15	57	37	35	1
191022018ST	22 x 18	60	40	47	1
191028022ST	28 x 22	65	44	66	1
191035028ST	35 x 28	71	48	98	1
191042028ST	42 x 28	93	70	130	1
191042035ST	42 x 35	81	55	138	1
191054042ST	54 x 42	97,5	67,5	210	1

B 10 15

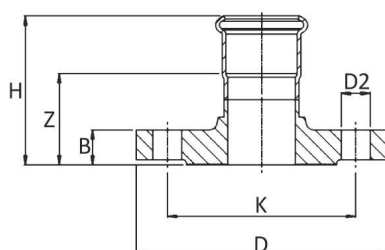
**191/E ST****RIDUZIONE ECCENTRICA**

- ECCENTRIC REDUCER
- REDUZIERSTÜCK EXZENTRISCH
- RÉDUCTION EXCÉNTRIQUE
- REDUCCIÓN EXCÉNTRICA

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C

CODE	De mm	L mm	Z mm	H mm		
191042028EST	42 x 28	101,5	78,5	6	140	1
191054028EST	54 x 28	123,5	100,5	12	206	1
191054035EST	54 x 35	127	101,5	8,5	224	1

B 10 15

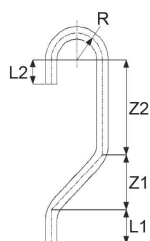
**193/000 ST****MANICOTTO FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404**O-RING:** STEAM bianco – white – Weiß
blanc – blanco**TYPE:** vapore saturo – saturated steam
Sattdampf – vapeur saturée
vapor saturado
P max 7 bara (6 barg) – T max 165°C**PN 16**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm		
193015000ST	15	15	55	35	14	95	14	4	65	660	1
193018000ST	18	15	55,5	35,5	14	95	14	4	65	660	1
193022000ST	22	20	58,5	37,5	16	105	14	4	75	945	1
193028000ST	28	25	61,5	38,5	16	115	14	4	85	1140	1
193035000ST	35	32	65,5	39,5	16	140	18	4	100	1640	1
193042000ST	42	40	69	39	16	150	18	4	110	1800	1
193054000ST	54	50	78	42	18	165	18	4	125	2450	1

B 10 11

**178****TUBO PER ARIA COMPRESSA**

- PIPE FOR COMPRESSED AIR
- SPRUNGBOGEN FÜR DRUCKLUFT
- TUBE POUR L'AIR COMPRIMÉ
- TUBO DE AIRE

MATERIAL: AISI 316L – 1.4404

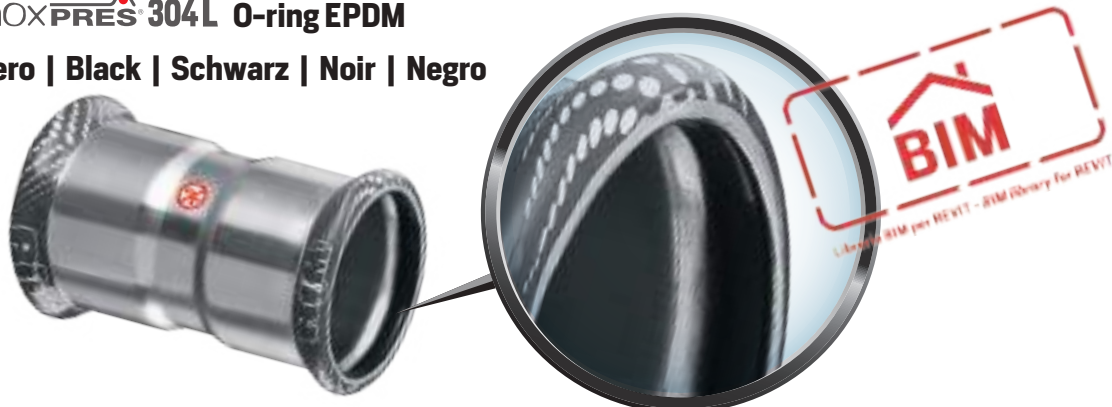
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm	R mm			
178015316	15	30	30	96	114	35	143	1	20
178018316	18	50	35	108	112	39	195	1	20
178022316	22	50	35	110	110	41	359	1	20
178028316	28	60	40	139	113	51	550	1	15

Campi di applicazione / Fields of application

inoxPRES® 304L

**Riscaldamento**
Heating**Raffrescamento**
Cooling**Acque di processo**
Process water**Aria compressa**
Compressed air**Antincendio**
Fire protection systems

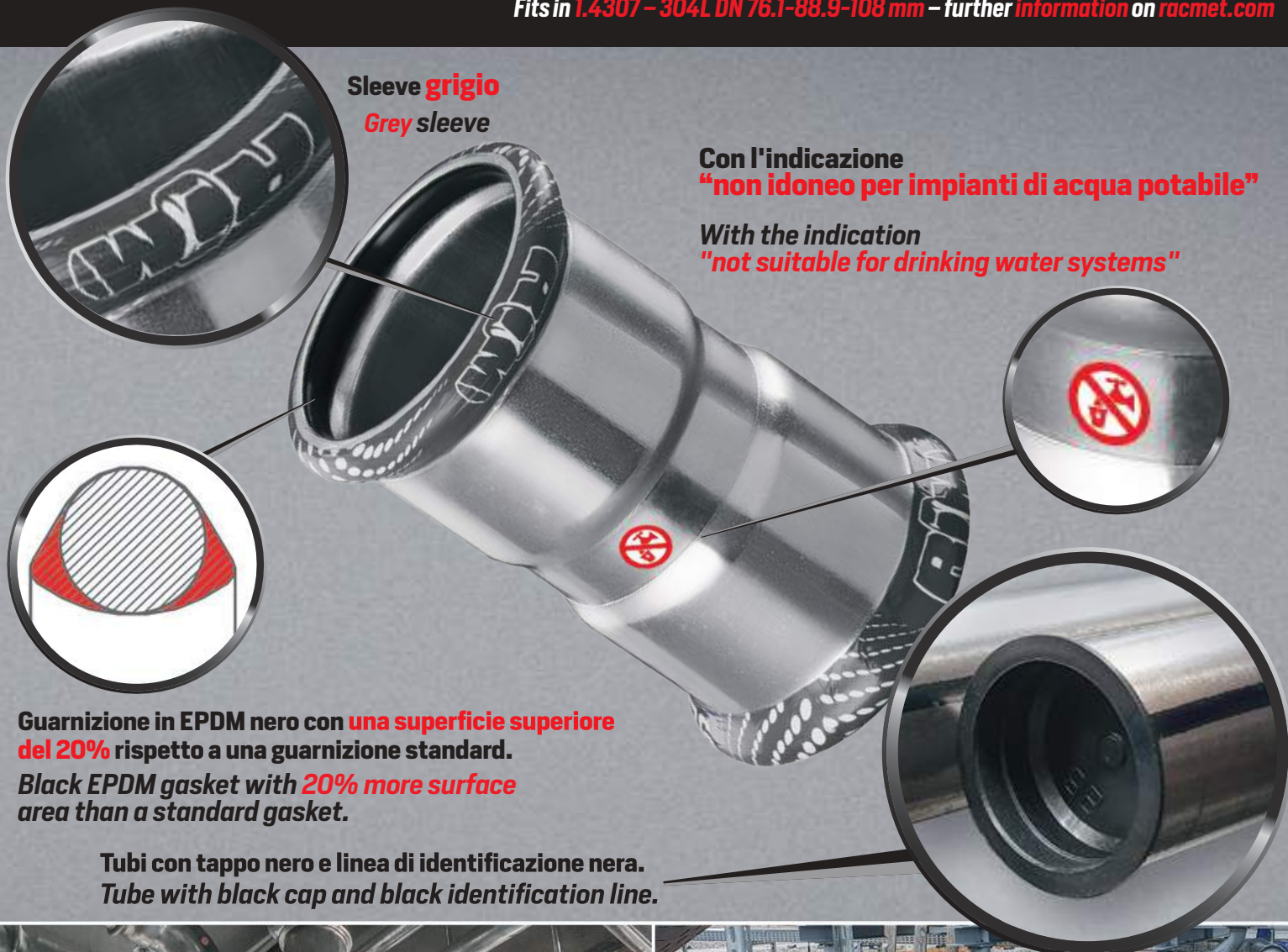
inoxPRES® 304L O-ring EPDM

Nero | Black | Schwarz | Noir | Negro

inoxPRES® 304L

Una soluzione ancora più conveniente nell'area King Size per impianti di riscaldamento, raffrescamento e aria compressa.
An even more affordable solution in the King Size area for heating, cooling and compressed air systems.

Compatibile con tubi in acciaio inox 1.4307 – 304L DN 76.1-88.9-108 mm – ulteriori informazioni su racmet.com
Fits in 1.4307 – 304L DN 76.1-88.9-108 mm – further information on racmet.com



Si ricorda il programma di fornitura di tubi in acciaio inox 1.4307 – 304L, disponibili in diametri da 15 a 108 mm.
I tubi sono compatibili con i raccordi in ACCIAIO INOX e RAME.

We remind you of our program for the supply of 1.4307 – 304L tubes from 15 to 108 mm. These tubes are compatible with our STAINLESS STEEL and COPPER fittings.



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

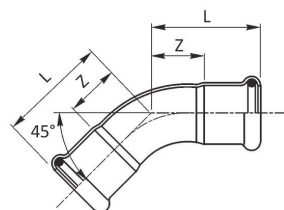
114/200 6 m**B 30 35****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
NOTE: Paese Italia - conforme al DM 174 per veicolazione acqua potabile;
Italy country - according to DM 174 for drinking water transport;

Mat. Nr.: 1.4307 (AISI 304L) L=6 m
Crudo - Not annealed - Ungelüht - Non-hypertrempé - Crudo

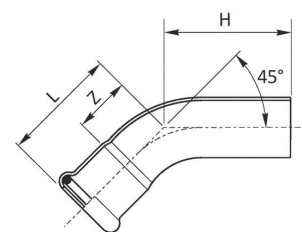
CODE	Dimensions mm x mm	Ø int mm	L m		Volume l/m	Minimum package m	Bundle m
114076200	76,1 x 2,0	72,1	6	3,711	4,080	6	114
114088200	88,9 x 2,0	84,9	6	4,352	5,660	6	114
114108200	108 x 2,0	104	6	5,308	8,490	6	114

**181/450 NW****B 10 33****CURVA 45° FF**

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 304L - 1.4307
O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
181076450NW	76,1	98	43	900	2	2
181088450NW	88,9	112	52	1250	2	2
181108450NW	108	138	63	1700	2	2

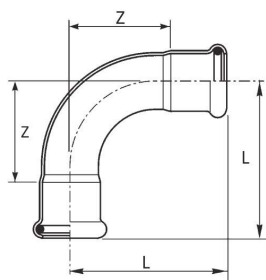
**181/451 NW****B 10 33****CURVA 45° MF**

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 304L - 1.4307
O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	H mm	Z mm			
181076451NW	76,1	98	117	43	900	2	2
181088451NW	88,9	112	131	52	1250	2	2
181108451NW	108	138	154	63	1700	2	2

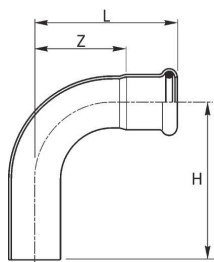
B 10 33

**181/900 NW****CURVA 90° FF**

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
181076900NW	76,1	150	95	1150	2	2
181088900NW	88,9	174	114	1580	2	2
181108900NW	108	215	140	2250	2	2

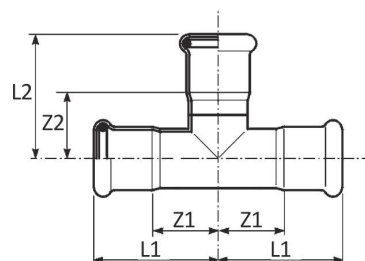
**181/901 NW****CURVA 90° MF**

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

B 10 33

CODE	De mm	L mm	H mm	Z mm			
181076901NW	76,1	150	165	95	1150	2	2
181088901NW	88,9	174	190	114	1580	2	2
181108901NW	108	215	238	140	2250	2	2

**182 NW****"T"**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

B 10 33

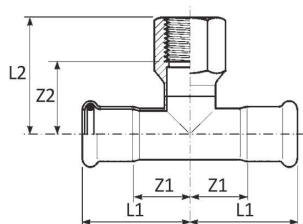
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
182076000NW	76,1	108	118	53	63	1275	2	2
182088000NW	88,9	132	131	72	71	1535	2	2
182108000NW	108	155	160	80	85	2115	2	2

B 10 33

189 NW

"T" CON DERIVAZIONE FILETTO F

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

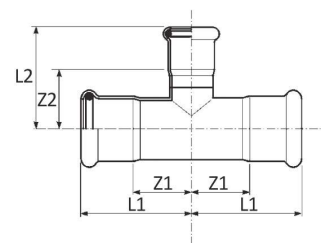
CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189304076NW	76,1 x 3/4" x 76,1	108	77	53	60	1040	2	2
189200076NW	76,1 x 2" x 76,1	108	93	53	67	1495	2	2
189304088NW	88,9 x 3/4" x 88,9	132	84	72	67	1255	2	2
189200088NW	88,9 x 2" x 88,9	132	100	72	74	1720	2	2
189304108NW	108 x 3/4" x 108	155	94	80	77	1700	2	2
189200108NW	108 x 2" x 108	155	110	80	84	2160	2	2

B 10 33

192 NW

"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

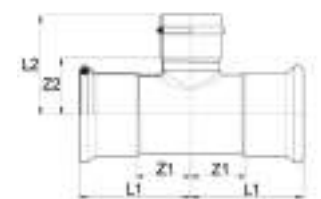
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192088076NW	88,9 x 76,1 x 88,9	132	125	72	70	1485	2	2
192108076NW	108 x 76,1 x 108	155	135	80	80	1930	2	2
192108088NW	108 x 88,9 x 108	155	144	80	81	1965	2	2

B 10 33

192 M_UNW

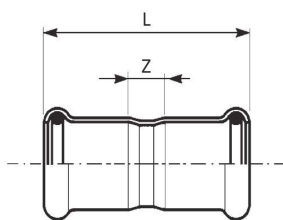
"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192076028UNW	76,1 x 28 x 76,1	108	78	53	54	964	2	2
192076035UNW	76,1 x 35 x 76,1	108	80,5	53	52,5	975	2	2
192076042UNW	76,1 x 42 x 76,1	108	90	53	54	1004	2	2
192076054UNW	76,1 x 54 x 76,1	108	95,5	53	54,5	1034	2	2
192088028UNW	88,9 x 28 x 88,9	132	95,5	72	61,5	1329	2	2
192088054UNW	88,9 x 54 x 88,9	132	103	72	62	1398	2	2
192108054UNW	108 x 54 x 108	155	112,5	80	71,5	1990	2	2

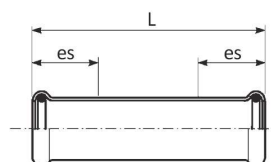
B 10 33

**183/000 NW****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

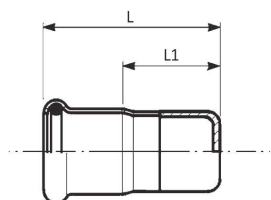
CODE	De mm	L mm	Z mm			
183076000NW	76,1	142	32	635	4	4
183088000NW	88,9	166	46	765	4	4
183108000NW	108	203	41	1170	2	2

**183/001 NW****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

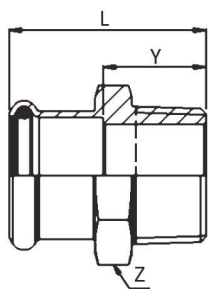
CODE	De mm	L mm	es mm			
183076001NW	76,1	230	60	940	2	2
183088001NW	88,9	260	70	1240	2	2
183108001NW	108	310	80	1835	2	2

**183/003 NW****TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

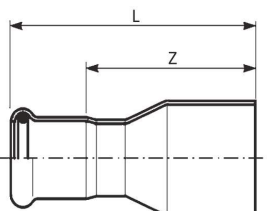
CODE	De mm	L mm	L1 mm			
183076003NW	76,1	93	38	540	2	10
183088003NW	88,9	102	42	654	2	10
183108003NW	108	117	42	935	2	2

**187 NW****B 10 33****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

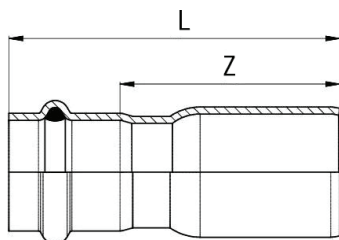
CODE	De x R mm x inch	L mm	Z mm	Y mm			
187212076NW	76,1 x 2"1/2	98	83	43	769	2	8
187300088NW	88,9 x 3"	111	98	51	1218	2	4
187400108NW	108 x 4"	132	118	57	1842	2	2

**191 NW****B 10 33****RIDUZIONE MF**

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

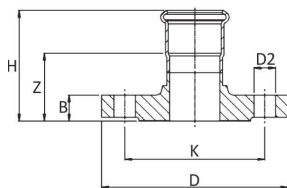
CODE	De mm	L mm	Z mm			
191088076NW	88,9 x 76,1	186	131	813	4	4
191108076NW	108 x 76,1	209	154	1022	2	2
191108088NW	108 x 88,9	210	150	1107	2	2

**191 M_UNW****B 10 33****RIDUZIONE MF**

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

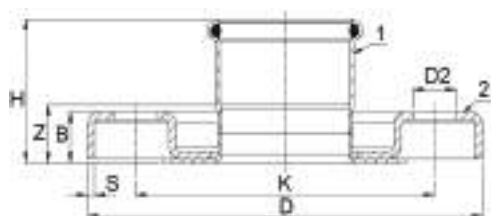
CODE	De mm	L mm	Z mm			
191076042UNW	76,1 x 42	155	119	482	4	4
191076054UNW	76,1 x 54	164	123	539	4	4
191088054UNW	88,9 x 54	184	146	693	4	4
191108054UNW	108 x 54	190	149	841	2	2

**193/000 NW****MANICOTTO FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**PN 16**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193076000NW	76,1	65	105	50	18	185	18	4	145	3184	2	2
193088000NW	88,9	80	116	56	20	200	18	8	160	3950	2	2
193108000NW	108	100	132	57	20	220	18	8	180	4729	2	2

**193/001 NW****MANICOTTO CON FLANGIA SCORREVOLE**

- ADAPTOR LOOSE FLANGE
- ÜBERGANGSLOSFLANSCH
- BRIDE TOURNANTE DE RACCORDEMENT
- BRIDA LOCA CON ADAPTADOR

MATERIAL: 1 - AISI 304L - 1.4307

2 - AISI 304 - 1.4301

O-RING: EPDM nero - black - Schwarz - noir - negro**PN 10**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193076001NW	76,1	65	86,5	31,5	23,5	185	18	4	145	1638	2	2
193088001NW	88,9	80	96	36	23,5	200	18	8	160	1879	2	2
193108001NW	108	100	116	41	24	220	18	8	180	2283	2	2

Certificazioni / Certifications

		SYSTÈMES DE CANALISATIONS DE DISTRIBUTION D'EAU - SYSTÈME STEELPRES	79-1975 - V2	Ø 15 - 108 mm
		TUBE FITTINGS - STEELPRES	TAP000017J	Ø 15 - 108 mm
		TUZVEDELMI MEGFELELŐSÉGÉRŐL	TMI - 3/2025	Ø 12 - 108 mm
		HORGANYZOTT ACÉL CSŐVEK ÉS PRÉSIDOMOK STEELPRES PVC BEVONATOS HORGANYZOTT ACÉL CSŐVEK	A-42/2017	Ø 15 - 108 mm
		LACZNIKI ZAPRASOWYWANE ZE STALI SYSTEMU INOXPRES I STEELPRES DO ŁACZENIA RUR ZE STALI	ITB-KOT-2019/1222	Ø 15 - 108 mm
		RURY I ŁACZNIKI ZAPRASOWYWANE STEELPRES DN20 ÷ DN100 DO STAŁYCH URZĄDZEŃ GAŚNICZYCH WODNYCH	ITB-KOT-2020/1502	Ø 22 - 108 mm
		SYSTÉM OCEĽOVÝCH RÚR A OCEĽOVÝCH LISOVACÍCH TVAROVIEK STEELPRES	0026/104/2011	Ø 15 - 108 mm
		STEELPRES, PIPING SYSTEM AND FITTING	24-0113307-PDA	Ø 15 - 108 mm
		STEELPRES, MECHANICAL JOINTS	ML 24PTB00011	Ø 15 - 108 mm
		SYSTEM OF PIPES AND PRESS FITTINGS MADE OF CARBON STEEL	202/C5/2025/B-00158-25	Ø 12 - 108 mm

Campi di applicazione / Fields of application



Riscaldamento
Heating



Raffrescamento
Cooling



Solare termico con
O-Ring FKM
Solar thermal with
FKM O-Ring



Aria compressa
Compressed air

steelPRES® O-ring EPDM

Nero | Black | Schwarz | Noir | Negro



SCOPRI
LA GAMMA
steelPRES®
DISCOVER
THE RANGE





I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

316/005**≤54 B 40 41****76÷108 B 40 42****ZINCATO
ESTERNAMENTE**

- OUTSIDE GALVANIZED
- AUSSEN VERZINKT
- GALVANISÉS EXTÉRIEUR
- GALVANIZADO EXTERIOR

NORM: EN 10305-3**Mat. Nr.: 1.0215 (E 220 CR2S4) L=6 m**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
316012005	12 x 1,2	9,6	6	0,320	0,072	150	1014
316015005	15 x 1,2	12,6	6	0,408	0,125	120	1014
316018005	18 x 1,2	15,6	6	0,497	0,191	90	1014
316022005	22 x 1,5	19	6	0,824	0,284	60	762
316028005	28 x 1,5	25	6	1,052	0,491	60	546
316035005	35 x 1,5	32	6	1,320	0,804	30	546
316042005	42 x 1,5	39	6	1,620	1,194	30	366
316054005	54 x 1,5	51	6	2,098	2,042	30	366
316076005	76,1 x 2,0	72,1	6	3,652	4,080	12	114
316088005	88,9 x 2,0	84,9	6	4,290	5,660	12	114
316108005	108 x 2,0	104	6	5,230	8,490	6	114

Raccomandato per impianti di riscaldamento**Recommended for heating installation****Empfehl fuer Heizunagsanlagen****Recommandé pour installations de chauffage****Recomendado para instalaciones de calefacción**



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

316/003

≤54 B 40 44
76÷108 B 40 45

**ZINCATO
ESTERNAMENTE CON RIVESTIMENTO
IN PP**

- OUTSIDE GALVANIZED WITH PP-COATING
- AUSSEN VERZINKT MIT PP-UMMANTELUNG
- GALVANISÉS EXTÉRIEUR AVEC REVÊTEMENT PP
- GALVANIZADO EXTERIOR, REVESTIMIENTO DE PP

NORM: EN 10305-3

Mat. Nr.: 1.0215 [E 220 CR2S4] + PP L=6 m

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m	Bundle m
316012003	12 x 1,2	9,6	6	0,358	0,072	150	900
316015003	15 x 1,2	12,6	6	0,454	0,125	120	960
316018003	18 x 1,2	15,6	6	0,552	0,191	90	990
316022003	22 x 1,5	19	6	0,890	0,284	60	720
316028003	28 x 1,5	25	6	1,136	0,491	60	540
316035003	35 x 1,5	32	6	1,424	0,804	30	540
316042003	42 x 1,5	39	6	1,744	1,194	30	360
316054003	54 x 1,5	51	6	2,257	2,042	30	360
316076003	76,1 x 2,0	72,1	6	3,875	4,080	12	108
316088003	88,9 x 2,0	84,9	6	4,550	5,660	12	108
316108003	108 x 2,0	104	6	5,545	8,490	6	114

Spessore polipropilene: 1 mm
Polypropylene thickness: 1 mm
Dicken polypropylen: 1 mm
Polypropylène d'épaisseur: 1 mm
Polipropileno de espesor: 1 mm

Raccomandato per impianti di raffrescamento

Recommended for cooling installation

Empfehl fuer Kuehlungsanlagen

Recommandé pour installations de refroidissement

Recomendado para instalaciones de refrigeracion



I prezzi dei tubi sono validi fino a nuova comunicazione.
 Pipe prices are valid until new update.
 Die Rohrpreise gelten bis auf weiteres.
 Les prix des tubes sont valables jusqu'à nouvelle communication.
 Los precios de las tuberías son válidos hasta nueva comunicación.

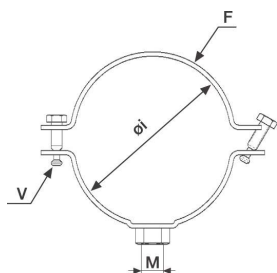
316/002**≤54 B 40 43****76÷108 B 40 46****ZINCATO
INTERNAMENTE ED ESTERNAMENTE**

- INSIDE AND OUTSIDE GALVANIZED
- INNEN UND AUSSEN VERZINKT
- GALVANISÉS INTÉRIEUR ET EXTÉRIEUR
- GALVANIZADO INTERIOR Y EXTERIOR

NORM: EN 10305-3**Mat. Nr.: 1.0031 (E 190 CR2S4) L=6 m**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
316022002	22 x 1,5	19	6	0,824	0,284	60	1770
316028002	28 x 1,5	25	6	1,052	0,491	60	1380
316035002	35 x 1,5	32	6	1,320	0,804	30	966
316042002	42 x 1,5	39	6	1,620	1,194	30	822
316054002	54 x 1,5	51	6	2,098	2,042	30	510
316076000	76,1 x 2,0	72,1	6	3,652	4,080	12	234
316088000	88,9 x 2,0	84,9	6	4,290	5,660	12	198
316108000	108 x 2,0	104	6	5,230	8,490	6	138

Solo per impianti d'aria compressa e gas inerti.**Only for compressed air and inert gases systems.****Nur für Druckluft und Inertgas.****Seulement pour les systèmes à air comprimé et à gaz inertes.****Sólo para sistemas de aire comprimido y gases inertes.**



351

COLLARE PER TUBO STEELPRES

- CLAMP FOR STEELPRES PIPE
- ROHRSCHELLE FÜR STEELPRES ROHR
- COLLIER POUR TUBE STEELPRES
- ABRAZADERA PARA TUBO STEELPRES

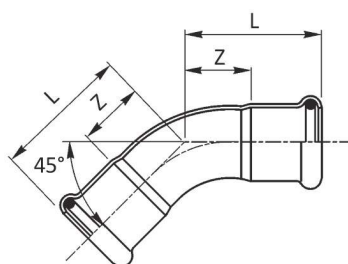
MATERIAL: St. W 24

NOTE: dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	F lg x sp mm	V mm			
351150001 **	15	20 x 2,5	M 6 x 20	60	2	50*
351308000	18	20 x 2,5	M 6 x 20	63	2	100*
351102000	22	20 x 2,5	M 6 x 20	65	2	100*
351304000	28	20 x 2,5	M 6 x 25	69	2	100*
351100000	35	20 x 2,5	M 6 x 25	78	2	100*
351114000	42	20 x 2,5	M 6 x 25	89	2	50*
351054000	54	20 x 2,5	M 6 x 25	100	2	50*
351212000	76,1	30 x 2,5	M 6 x 25	187	2	20*
351300000	88,9	30 x 2,5	M 6 x 25	215	2	20*
351108000	108	30 x 2,5	M 6 x 25	232	2	20*

(*) unità minima di vendita / minimum selling quantity

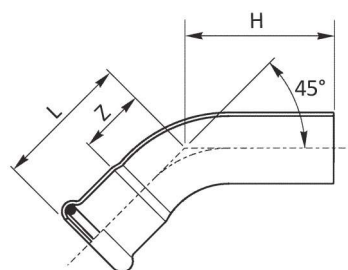
(**) Art. 351150001 Rivestimento in gomma - With rubber gasket - Mit Gummieinlage - Isophonique - Junta de goma (famiglia / family Y 20 25)

**381/450**
≤54 B 20 21
76÷108 B 20 22
CURVA 45° FF

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro

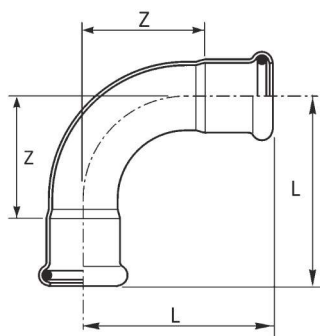
CODE	De mm	L mm	Z mm			
381015450	15	27,5	7,5	37	20	400
381018450	18	29,5	9,5	45	20	300
381022450	22	32	11	59	20	200
381028450	28	37	14	87	10	100
381035450	35	43	17	124	10	60
381042450	42	51	21	175	4	40
381054450	54	62	30	282	2	20
381076450	76,1	131,5	76,5	910	2	2
381088450	88,9	144	84	1125	2	2
381108450	108	169	94	1620	2	2

**381/451**
≤54 B 20 21
76÷108 B 20 22
CURVA 45° MF

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	H mm	Z mm			
381015451	15	27,5	36	7,5	39	20	400
381018451	18	29,5	38	9,5	46	20	300
381022451	22	32	42	11	60	20	200
381028451	28	37	46	14	88	10	100
381035451	35	43	57	17	135	10	60
381042451	42	51	72	21	196	4	40
381054451	54	62	82	26	300	2	20
381076451	76,1	131,5	149	76,5	870	2	2
381088451	88,9	144	159	84	1365	2	2
381108451	108	169	199	94	1922	2	2


381/900
CURVA 90° FF

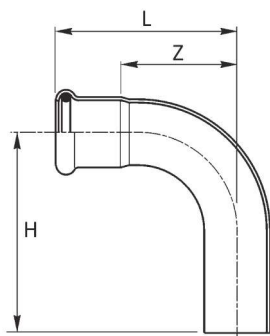
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 20 21
76÷108 B 20 22

CODE	De mm	L mm	Z mm			
381012900	12	42	24	42	20	400
381015900	15	38	18	44	20	400
381018900	18	41,5	21,5	55	20	300
381022900	22	47	26	73	10	150
381028900	28	56	33	109	10	100
381035900	35	68	42	156	5	50
381042900	42	80	50	231	2	30
381054900	54	100	64	369	2	18
381076900	76,1	160	105	1150	2	2
381088900	88,9	182	122	1560	2	2
381108900	108	220	145	2250	2	2


381/901
CURVA 90° MF

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

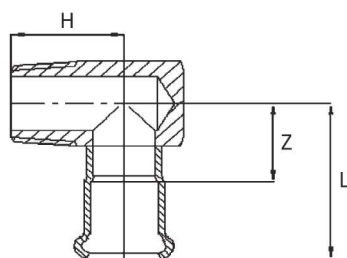
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 20 21
76÷108 B 20 22

CODE	De mm	L mm	H mm	Z mm			
381012901	12	42	48	24	46	20	400
381015901	15	38	48	18	44	20	400
381018901	18	41,5	48,5	21,5	56	20	300
381022901	22	47	57	26	77	10	150
381028901	28	56	64	33	113	10	100
381035901	35	68	82	42	174	5	50
381042901	42	80	101	50	235	2	30
381054901	54	100	120	64	385	2	18
381076901	76,1	160	180	105	1155	2	2
381088901	88,9	182	197	122	1585	2	2
381108901	108	220	236	145	2155	2	2

B 20 21



385

GOMITO MISTO 90° FILETTO M

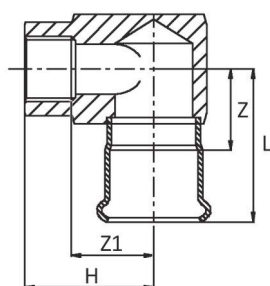
- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	H mm	Z mm			
385308015	15 x 3/8"	36	21	16	90	20	200
385102015	15 x 1/2"	37	26	17	94	20	200
385102018	18 x 1/2"	37	26	17	105	10	100
385304022	22 x 3/4"	41	29	20	149	10	100



398

GOMITO MISTO 90° FILETTO M

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

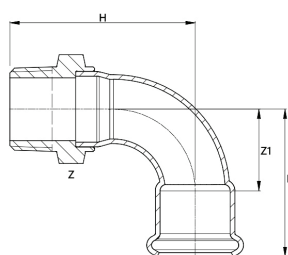
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

B 20 21

CODE	De x Rp mm x inch	L mm	H mm	Z mm	Z1 mm			
398304022	22 x 3/4"	46	44	25	27	270	10	50
398102028	28 x 1/2"	49	42	26	27	300	10	50
398304028	28 x 3/4"	49	47	26	30	330	10	50



397

CURVA FILETTATA 90° FILETTO M

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

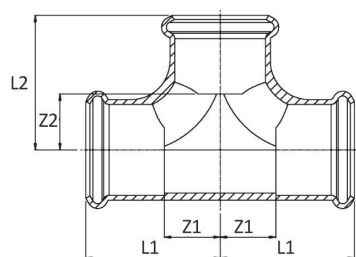
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

B 20 21

CODE	De x R mm x inch	L mm	H mm	Z mm	Z1 mm			
397308012	12 x 3/8"	34,5	37	22	24	42	20	300
397308015C	15 x 3/8"	38	47,5	21	18	62	20	300
397102015C	15 x 1/2"	38	47	21	18	69	20	300
397102018C	18 x 1/2"	41,6	50	24	21,6	82	20	200
397304022C	22 x 3/4"	47	59	30	26	122	10	100
397100028C	28 x 1"	56	67	36	33	189	10	50
397114035	35 x 1 1/4"	68	80	46	42	262	5	40
397112042	42 x 1 1/2"	80	98	60	50	413	2	20
397200054	54 x 2"	100	131,5	65	65	482	2	12


382
"T"

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

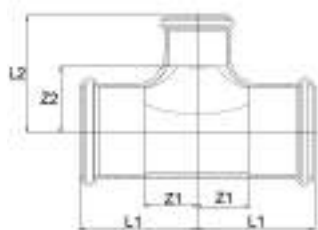
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 20 21
76÷108 B 20 22

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
382012000	12	28	35	10	17	48	20	200
382015000*	15	32	32	10,5	10,5	72	20	200
382018000*	18	34	34	12,5	12,5	85	20	100
382022000*	22	37	37	14,5	14,5	116	20	100
382028000*	28	42	42	17,5	17,5	173	10	50
382035000*	35	50	50	22,5	22,5	240	4	32
382042000*	42	57	57	25,5	25,5	337	4	20
382054000*	54	69	69	32,5	32,5	473	2	12
382076000	76,1	108	118	52	63	1275	2	2
382088000	88,9	132	131	72	71	1535	2	2
382108000	108	155	160	80	85	2115	2	2

(*) idroformato - hydroformed - hydrogeformt - hydroformé - hidroformado



392

≤54 B 20 21

76÷108 B 20 22

"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

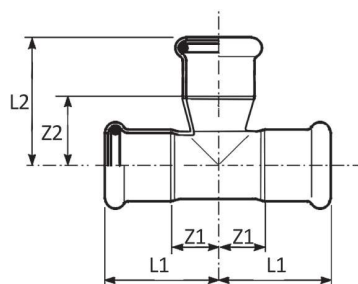
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
392015012	15 x 12 x 15	37	33	16	15	64	20	100
392018012	18 x 12 x 18	40	34	19	16	72	20	100
392018015*	18 x 15 x 18	34	35	12,5	13,5	83	20	100
392022012	22 x 12 x 22	41	36	18	18	94	10	100
392022015*	22 x 15 x 22	37	38	14,5	16,5	110	10	100
392022018*	22 x 18 x 22	37	38	14,5	16	112	10	100
392028015*	28 x 15 x 28	42	40,5	17,5	19	146	10	50
392028018*	28 x 18 x 28	42	40,5	17,5	19	150	10	50
392028022*	28 x 22 x 28	42	41	17,5	20	155	10	50
392035015	35 x 15 x 35	50	44	24	24	205	5	50
392035018*	35 x 18 x 35	50	44	24	24	191	5	50
392035022*	35 x 22 x 35	50	44	22,5	23	207	5	50
392035028*	35 x 28 x 35	50	44	22,5	19,5	213	5	35
392042022*	42 x 22 x 42	57	53	25,5	30,5	285	4	20
392042028*	42 x 28 x 42	57	56	25,5	38	295	4	20
392042035*	42 x 35 x 42	57	61	25,5	33,5	311	4	20
392054022*	54 x 22 x 54	69	59	32,5	36,5	420	2	16
392054028*	54 x 28 x 54	69	64	32,5	39,5	432	2	16
392054035*	54 x 35 x 54	69	67	32,5	39,5	443	2	16
392054042*	54 x 42 x 54	69	70	32,5	38,5	461	2	16
392076022	76,1 x 22 x 76,1	108	74	52	53	995	2	2
392076028	76,1 x 28 x 76,1	108	77	52	54	1015	2	2
392076035	76,1 x 35 x 76,1	108	80	52	54	1025	2	2
392076042	76,1 x 42 x 76,1	108	84	52	54	1045	2	2
392076054	76,1 x 54 x 76,1	108	91	52	55	1065	2	2
392088028	88,9 x 28 x 88,9	132	84	72	61	1365	2	2
392088035	88,9 x 35 x 88,9	132	88	72	62	1395	2	2
392088042	88,9 x 42 x 88,9	132	91	72	61	1425	2	2
392088054	88,9 x 54 x 88,9	132	98	72	63	1455	2	2
392088076	88,9 x 76,1 x 88,9	132	125	72	70	1485	2	2
392108028	108 x 28 x 108	155	94	80	71	1815	2	2
392108035	108 x 35 x 108	155	97	80	71	1845	2	2
392108042	108 x 42 x 108	155	101	80	71	1875	2	2
392108054	108 x 54 x 108	155	108	80	72	1905	2	2
392108076	108 x 76,1 x 108	155	135	80	80	1935	2	2
392108088	108 x 88,9 x 108	155	144	80	84	1965	2	2
392088018	88,9 x 18 x 88,9	132	80	72	60	1279	2	2

(*) idroformato - hydroformed - hydrogeformt - hydroformé - hidroformado

B 20 21



392/A

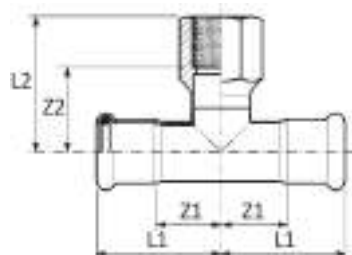
TEE ALLARGATO

- TEE OVERSIZE BRANCH
- T-STÜCK MIT ERWEITERTEM ABGANG
- TÉ AVEC SORTIE ÉVASÉE
- TE CON SALIDA ENSANCHADA

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
392012015	12 x 15 x 12	28	38	10	17	52	20	100
392015018	15 x 18 x 15	37	36	16	15	71	20	100
392015022	15 x 22 x 15	37	42	16	19	84	10	100
392018022	18 x 22 x 18	40	45	19	22	97	10	100
392022028	22 x 28 x 22	41	45	18	21	123	10	50



389

"T" CON DERIVAZIONE FILETTO F

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: E 195 - 1.0034

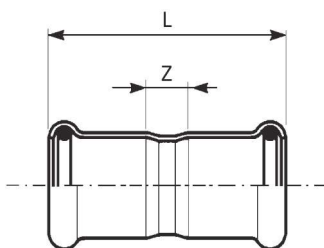
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

≤54 B 20 21

76÷108 B 20 22

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
389102015	15 x 1/2" x 15	34,5	36	14	21	72	20	100
389102018	18 x 1/2" x 18	36,5	38	16	23	91	20	100
389102022	22 x 1/2" x 22	39	39	18	24	128	10	100
389304022	22 x 3/4" x 22	39	44	18	28	133	10	100
389102028	28 x 1/2" x 28	44	42	21	27	158	10	50
389304028	28 x 3/4" x 28	44	47	21	30	161	10	50
389100028	28 x 1" x 28	44	52,5	21	34	246	5	50
389102035	35 x 1/2" x 35	51	45	25	30	200	5	50
389304035	35 x 3/4" x 35	51	50	25	34	191	5	40
389100035	35 x 1" x 35	51	56	25	37	250	5	40
389102042	42 x 1/2" x 42	59	49	28	34	255	4	32
389304042	42 x 3/4" x 42	59	54	28	37	255	4	32
389102054	54 x 1/2" x 54	70	56	34	41	300	2	14
389304054	54 x 3/4" x 54	70	61	34	45	353	2	14
389100054	54 x 1" x 54	70	56	34	41	441	2	14
389102076	76,1 x 1/2" x 76,1	108	68	52	53	1040	2	2
389304076	76,1 x 3/4" x 76,1	108	77	52	60	1040	2	2
389102088	88,9 x 1/2" x 88,9	132	76	72	61	1255	2	2
389304088	88,9 x 3/4" x 88,9	132	84	72	68	1255	2	2
389102108	108 x 1/2" x 108	155	85	74	70	1700	2	2
389304108	108 x 3/4" x 108	155	94	74	77	1700	2	2

**383/000**

≤54 B 20 21

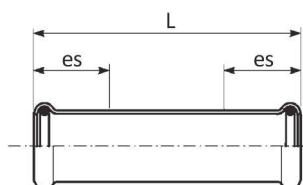
76÷108 B 20 22

MANICOTTO

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
383012000	12	42	6	25	20	500
383015000	15	49	9	33	20	500
383018000	18	50	10	40	20	300
383022000	22	53	11	52	20	200
383028000	28	56	10	69	10	150
383035000	35	63	10	90	10	100
383042000	42	72	12	127	4	60
383054000	54	83	13	189	2	24
383076000	76,1	142	32	635	4	4
383088000	88,9	166	46	765	4	4
383108000	108	203	41	1170	2	2

**383/001**

≤54 B 20 21

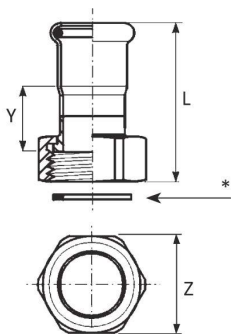
76÷108 B 20 22

MANICOTTO PASSANTE

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	es mm			
383012001	12	56	22	42	20	500
383015001	15	81	25	55	20	200
383018001	18	81	25	59	20	200
383022001	22	84,5	25	81	20	100
383028001	28	92	30	111	10	100
383035001	35	102,5	30	150	10	50
383042001	42	117,5	40	213	4	40
383054001	54	139	40	314	4	20
383076001	76,1	230	60	940	2	2
383088001	88,9	260	70	1240	2	2
383108001	108	310	80	1835	2	2

B 20 21

383/002
MANICOTTO CON DADO FOLLE

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

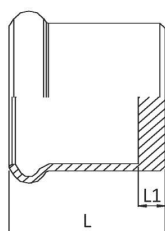
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

GASKET: [*]: EPDM nero - black - Schwarz - noir - negro

THREAD: ISO 228/1 (ex DIN 259)

CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
383015002	15 x 3/4"	37	30	10	24x14 thk 2,5	60	10	250
383018002	18 x 3/4"	37	30	10	24x14 thk 2,5	68	10	250
383022012	22 x 3/4"	54	30	25	24x14 thk 2,5	103	10	200
383022002	22 x 1"	40	36	10	30x20 thk 2,5	86	10	200
383022022	22 x 1 1/2"	42,5	55	14	44,5x30 thk 2,5	305	10	80
383028012	28 x 1"	58	36	27	30x20 thk 2,5	142	10	150
383028002	28 x 1 1/4"	47	46	14	39x27 thk 2,5	136	10	150
383028022	28 x 1 1/2"	48	55	14	44,5x30 thk 2,5	300	10	60
383035012	35 x 1 1/4"	67	46	32	39x27 thk 2,5	237	4	60
383035002	35 x 1 1/2"	52	55	14	44,5x30 thk 2,5	292	4	60
383042022	42 x 1 1/2"	77	55	35	44,5x30 thk 2,5	422	2	40
383042002	42 x 1 3/4"	55	60	14	50,5x38 thk 2,5	360	2	60
383042012	42 x 2"	56	65	14,5	56x42 thk 2,5	310	2	40
383054012	54 x 2"	83	65	36,5	56x42 thk 2,5	475	2	30
383054002	54 x 2 3/8"	60	75	15	65,5x45 thk 3	442	2	40
383054022	54 x 2 1/2"	65,5	81	16	71,5x53 thk 3	537	2	24


383/003
TAPPO DI CHIUSURA

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

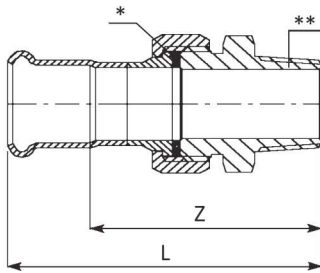
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 20 21
76÷108 B 20 22

CODE	De mm	L mm	L1 mm			
383012003	12	30	13	21	20	500
383015003	15	26	5	28	20	500
383018003	18	26	5	30	10	300
383022003	22	27	5	40	10	200
383028003	28	29	5	57	10	150
383035003	35	32	5	80	5	100
383042003	42	36	5	115	4	80
383054003	54	41	5	177	4	40
383076003	76,1	78	6	540	2	10
383088003	88,9	88	6	730	2	10
383108003	108	102	6	935	2	2

B 20 21



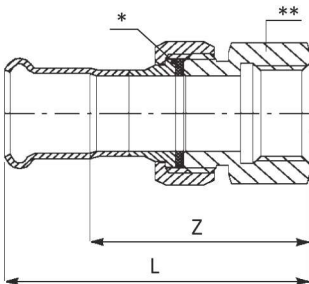
384/000

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: E 195 - 1.0034**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
384015000	15 x 1/2"	64	44	24x14 thk 2,5	146	2	120
384018000	18 x 1/2"	64	44	24x14 thk 2,5	176	2	120
384022000	22 x 3/4"	69	46	30x20 thk 2,5	202	2	100
384028000	28 x 1"	80	56	39x27 thk 2,5	468	2	60
384035000	35 x 1 1/4"	89	62	44,5x30 thk 2,5	618	2	40
384042000	42 x 1 1/2"	93	61	50,5x38 thk 2,5	824	2	30
384054000	54 x 2"	104	66	65,5x45 thk 3	1178	2	20



384/001

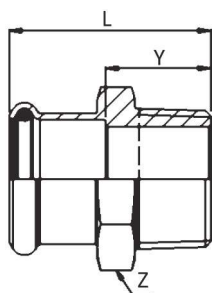
B 20 21

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: E 195 - 1.0034**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
384015001	15 x 1/2"	59	38	24x14 thk 2,5	138	2	120
384018001	18 x 1/2"	59	38	24x14 thk 2,5	140	2	120
384022001	22 x 3/4"	64	41	30x20 thk 2,5	209	2	100
384028001	28 x 1"	73	49	39x27 thk 2,5	450	2	60
384035001	35 x 1 1/4"	81	54	44,5x30 thk 2,5	600	2	40
384042001	42 x 1 1/2"	85	53	50,5x38 thk 2,5	621	2	30
384054001	54 x 2"	102	66	65,5x45 thk 3	1189	2	20



387

**MANICOTTO MISTO
FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: E 195 - 1.0034

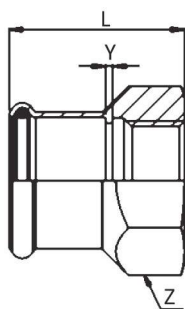
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

≤54 B 20 21

76÷108 B 20 22

CODE	De x R mm x inch	L mm	Z mm	Y mm			
387308012	12 x 3/8"	38	19	21	41	20	300
387308015	15 x 3/8"	41	24	21	58	20	400
387102015	15 x 1/2"	44	24	24	65	20	300
387304015	15 x 3/4"	44	27	24	78	10	200
387102018	18 x 1/2"	44	27	24	72	20	300
387304018	18 x 3/4"	45	30	25	107	10	200
387102022	22 x 1/2"	42	32	21	60	10	200
387304022	22 x 3/4"	45	32	25	93	10	200
387100022	22 x 1"	46	36	25	154	10	100
387304028	28 x 3/4"	47	38	24	114	10	100
387100028	28 x 1"	48	38	25	116	10	100
387114028	28 x 1 1/4"	52	46	29	195	5	50
387100035	35 x 1"	52	46	25	169	5	50
387114035	35 x 1 1/4"	56	46	29	205	5	50
387112035	35 x 1 1/2"	55	50	28	220	5	50
387112042	42 x 1 1/2"	63	55	33	250	4	40
387200054	54 x 2"	72	65	36	356	4	32
387212076	76,1 x 2 1/2"	98	83	43	752	2	8
387300088	88,9 x 3"	111	98	51	1191	2	4
387400108	108 x 4"	132	118	57	1802	2	2



390

MANICOTTO MISTO FILETTO F

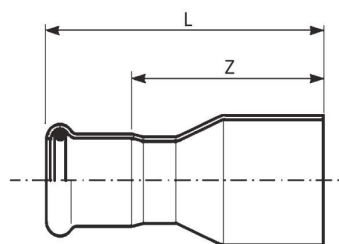
- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
390102012	12 x 1/2"	36	27	3	55	20	300
390308015	15 x 3/8"	35	24	2	48	20	300
390102015	15 x 1/2"	38	27	2	60	20	300
390304015	15 x 3/4"	39	32	2	78	10	200
390102018	18 x 1/2"	38	27	2	60	20	300
390304018	18 x 3/4"	39	32	2	78	10	200
390102022	22 x 1/2"	39	32	2	96	10	200
390304022	22 x 3/4"	40	32	2	81	10	150
390100022	22 x 1"	43	41	2	147	10	100
390102028	28 x 1/2"	41	38	2	155	10	100
390304028	28 x 3/4"	42	38	2	132	10	100
390100028	28 x 1"	45	41	2	147	10	100
390100035	35 x 1"	51	46	2	218	5	50
390114035	35 x 1 1/4"	52	46	2	154	5	50
390112042	42 x 1 1/2"	56	55	2	245	4	40
390200054	54 x 2"	65	65	2	329	4	32



391

RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

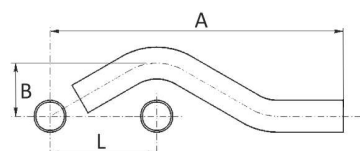
MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 20 21

76÷108 B 20 22

CODE	De mm	L mm	Z mm			
391015012	15 x 12	51	33	29	20	500
391018012	18 x 12	53	35	32	20	500
391018015	18 x 15	57	37	36	20	500
391022012	22 x 12	60	42	41	20	300
391022015	22 x 15	64	44	45	20	300
391022018	22 x 18	60	40	48	20	300
391028015	28 x 15	76,5	56,5	50	20	200
391028018	28 x 18	68	48	62	20	200
391028022	28 x 22	65	42,5	59	20	200
391035022	35 x 22	70	49	89	10	100
391035028	35 x 28	71	48	91	10	100
391042022	42 x 22	97	76	120	4	80
391042028	42 x 28	93	70	127	4	80
391042035	42 x 35	81	55	130	4	40
391054022	54 x 22	104	83	192	4	40
391054028	54 x 28	108,5	85,5	155	4	40
391054035	54 x 35	108	82	189	4	40
391054042	54 x 42	97,5	67,5	205	4	32
391076042	76,1 x 42	157	127	506	4	4
391076054	76,1 x 54	159	124	517	4	4
391088054	88,9 x 54	179	143	667	4	4
391088076	88,9 x 76,1	184	129	792	4	4
391108076	108 x 76,1	203	148	983	2	2
391108088	108 x 88,9	207	147	1079	2	2



379

"S" DI SCAVALCAMENTO MM

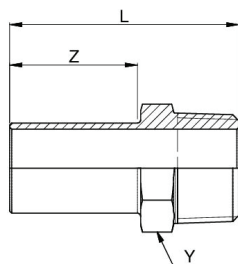
- PIPE BRIDGE
- SPRUNGBOGEN
- "S" DE CHEVAUCHEMENT MALE
- "S" DE SUPERPOSICIÓN MM

MATERIAL: E 195 - 1.0034

B 20 21

CODE	De mm	L mm	A mm	B mm			
379012000	12	55	154	35	10	10	150
379015000	15	57	158	30	14	10	150
379018000	18	60	166	31	17	10	100
379022000	22	65	179	33	29	10	50
379028000	28	73	206	36	44	10	50

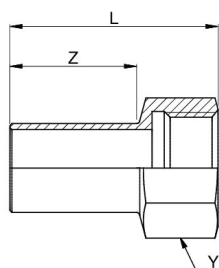
B 20 21

**393/M****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: E 195 - 1.0034**THREAD:** EN 10226-1 [ex ISO 7/1]

CODE	De x R mm x inch	L mm	Z mm	Y mm			
393102115	15 x 1/2"	52	31	22	56	20	300
393102118	18 x 1/2"	52	31	22	49	20	300
393304118	18 x 3/4"	55	31	27	93	20	200
393102122	22 x 1/2"	55	32	27	68	10	200
393304122	22 x 3/4"	56	32	27	78	10	200
393100128	28 x 1"	64	37	38	141	10	100

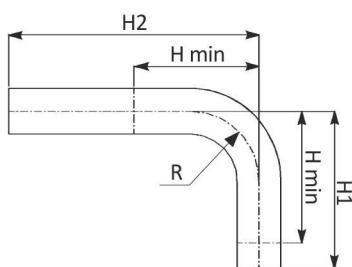
**393/F****MANICOTTO CON INSERIMENTO FILETTO F**

- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: E 195 - 1.0034**THREAD:** EN 10226-1 [ex ISO 7/1]

B 20 21

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
393102015	15 x 1/2"	52	37	24	49	20	400
393102018	18 x 1/2"	52	37	24	50	20	400
393304018	18 x 3/4"	51	37	30	62	20	300
393102022	22 x 1/2"	52	37	24	51	20	300
393304022	22 x 3/4"	52	38	30	63	20	300

**394/900****TUBO CURVO 90°**

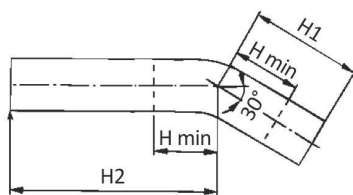
- 90° ELBOW MM
- PASSBOGEN 90°
- COUDE D'AJUSTEMENT 90°
- TUBO RICURVO 90° MM

MATERIAL: E 195 - 1.0034

B 20 21

CODE	De mm	H1 mm	H min mm	H2 mm	R mm			
394015900	15	70	48	120	35	87	20	160
394018900	18	70	53	120	38	105	20	120
394022900	22	70	61	120	40	130	10	100
394028900	28	97	80	125	45	197	10	50
394035900	35	120	90	200	42	372	4	20
394042900	42	160	115	250	50	578	2	10
394054900	54	300	140	305	65	1114	2	4

B 20 21



394/300

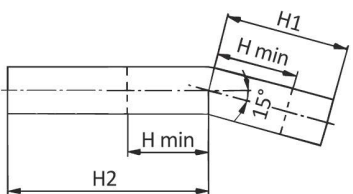
TUBO CURVO 30°

- 30° ELBOW MM
- PASSBOGEN 30°
- COUDE D'AJUSTEMENT 30°
- TUBO RICURVO 30° MM

MATERIAL: E 195 - 1.0034

CODE	De mm	H1 mm	H min mm	H2 mm			
394028300	28	54	47	130	179	10	50
394035300	35	80	50	218	366	4	24
394042300	42	98	54	274	553	2	10
394054300	54	137	72	324	888	2	2

B 20 21



394/150

TUBO CURVO 15°

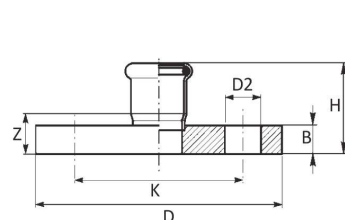
- 15° ELBOW MM
- PASSBOGEN 15°
- COUDE D'AJUSTEMENT 15°
- TUBO RICURVO 15° MM

MATERIAL: E 195 - 1.0034

CODE	De mm	H1 mm	H min mm	H2 mm			
394028150	28	45	38	136	176	10	50
394035150	35	62	32	234	364	4	24
394042150	42	94	50	276	551	2	10
394054150	54	117	52	337	876	2	2

≤54 B 20 21

76÷108 B 20 22



393/002

MANICOTTO FLANGIATO

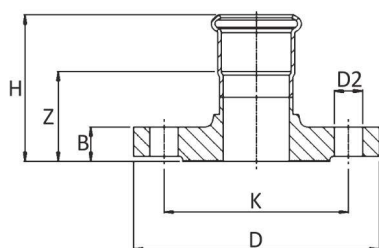
- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

PN 6

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
393015002	15	15	39	19	12	80	11	4	55	434	2	20
393018002	18	15	39,5	19,5	12	80	11	4	55	431	2	20
393022002	22	20	42,5	21,5	14	90	11	4	65	636	2	14
393028002	28	25	45,5	22,5	14	100	11	4	75	784	2	10
393035002	35	32	51	25,5	16	120	14	4	90	1259	2	6
393042002	42	40	55	25	16	130	14	4	100	1472	2	6
393054002	54	50	62	26	16	140	14	4	110	1657	2	4
393076002	76,1	65	100,5	45,5	14	160	14	4	130	1849	2	2
393088002	88,9	80	112	52	16	190	18	4	150	2879	2	2
393108002	108	100	128	53	16	210	18	4	170	3488	2	2

**393/000**

≤54 B 20 21

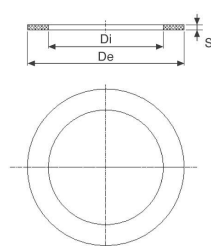
76÷108 B 20 22

**MANICOTTO
FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro**PN 16**

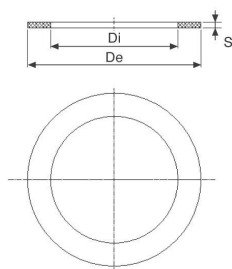
CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
393015000	15	15	43	23	16	95	14	4	65	578	2	20
393018000	18	15	44	24	16	95	14	4	65	572	2	20
393022000	22	20	47	26	18	105	14	4	75	754	2	14
393028000	28	25	50	27	18	115	14	4	85	1094	2	10
393035000	35	32	53	27	18	140	18	4	100	1672	2	6
393042000	42	40	57	27	18	150	18	4	110	1988	2	6
393054000	54	50	64	28	18	165	18	4	125	2666	2	4
393076000	76,1	65	104,5	49,5	18	185	18	8	145	2994	2	2
393088000	88,9	80	116	56	20	200	18	8	160	3861	2	2
393108000	108	100	132	57	20	220	18	8	180	4623	2	2

**434/PN 6****R 30 30****GUARNIZIONE ECOLOGICA PER FLANGE**

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

MATERIAL: Sesalit Eco**NORM:** EN 1092-1**PN 6**

CODE	DN	De mm	Di mm	S mm		
434015006	15 - [1/2"]	44	20	2	4	10
434020006	20 - [3/4"]	54	25	2	6	10
434025006	25 - [1"]	64	30	2	9	10
434032006	32 - [1 1/4"]	75	38	2	11	10
434040006	40 - [1 1/2"]	85	45	2	14	10
434050006	50 - [2"]	95	57	2	15	10
434065006	65 - [2 1/2"]	115	76	2	19	10
434080006	80 - [3"]	132	89	2	26	10
434100006	100 - [4"]	152	108	2	29	10



434/PN10-16

R 30 30

GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

MATERIAL: Sesalit Eco
NORM: EN 1092-1

PN
10/16

CODE	DN	De mm	Di mm	S mm		
434015000	15 - (1/2")	50	20	2	6	10
434020000	20 - (3/4")	60	25	2	8	10
434025000	25 - (1")	70	30	2	10	10
434032000	32 - (1 1/4")	82	38	2	14	10
434040000	40 - (1 1/2")	92	45	2	17	10
434050000	50 - (2")	108	57	2	22	10
434065000	65 - (2 1/2")	127	76	2	27	10
434080000	80 - (3")	142	89	2	30	10
434100000	100 - (4")	162	108	2	38	10

Sesalit ECO: fibre organiche e sintetiche legate con gomma NBR/SBR esente amianto

IMPIEGHI: Acqua calda e fredda, olii vegetali ed animali, aria, alcuni carburanti (no GAS)

LIMITI DI TEMPERATURA ORIENTATIVI

Temperatura massima per brevi esposizioni: 180°-200° C

Temperatura massima di esercizio continuo per fluidi non aggressivi: 140° C

Temperatura massima di esercizio continuo con vapore: 110° C

Temperatura minima di esercizio -40° C

OMOLOGAZIONI: acqua potabile WRAS n° 240155028

Sesalit ECO: organic and synthetic fibers bonded with NBR/SBR asbestos-free

USES: hot and cold water, vegetable and animal oils, air, some fuels (no GAS)

GUIDELINE TEMPERATURE LIMITS

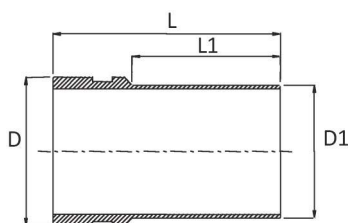
Maximum temperature for short exposure: 180°-200° C

Maximum operating temperature for continuous non-aggressive fluids: 140° C

Maximum temperature for continuous operation with steam: 110° C

Minimum operating temperature -40° C

APPROVAL: potable water WRAS n° 240155028



322

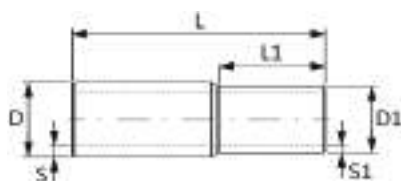
B 20 22

RACCORDO DI TRANSIZIONE STEELPRES TUBAZIONI SCANALATE A GIUNTI RAPIDI

- TRANSITION PIECE STEELPRES/COUPLINGS
- ÜBERGANG STEELPRES/KUPPLUNG
- RACORD DE PASAGE ENTRE STEELPRES ET TUBE CANALÉ
- RÁCOR DE TRANSICIÓN STEELPRES/TUBERIA CANALADA

MATERIAL: E 275+N - 1.0225

CODE	D mm	D1 mm	L mm	L1 mm			
322060042	60	42	120	69	410	1	25
322060054	60	54	120	80	410	1	20
322076054	76	54	130	76	585	1	15

**375**

≤54 B 20 21

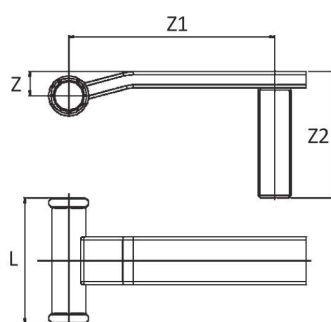
76÷108 B 20 22

**GIUNTO A SALDARE
SENZA ZINCATURA**

- COMBINATION PIPE WELDING END (NOT GALVANIZED)
- KOMBIROHR MIT ANSCHWEISSENDE (NICHT VERZINKT)
- TUBE RÉDUIT AVEC EXTRÉMITÉ À SOUDER (NON GALVANISÉ)
- UNIÓN A SALDAR SIN ZINCADURA

MATERIAL: E 195 - 1.0034

CODE	D mm	D1 mm	S mm	S1 mm	L1 mm	L mm			
375308012	17,2	12	4,1	1,5	26	120	124	10	100
375308015	17,2	15	2,6	1,5	30	120	89	10	100
375102018	21,3	18	3,15	1,5	30	120	132	10	100
375304022	26,9	22	3,95	1,5	34	120	216	10	100
375100028	33,7	28	4,35	1,5	34	120	303	5	80
375114035	42,4	35	5,2	1,5	40	120	423	5	50
375112042	48,3	42	4,65	1,5	45	120	438	5	40
375200054	60,3	54	4,65	1,5	50	120	537	2	24
375212076	76,1	76,1	3,7	2	70	120	570	2	20
375300088	88,9	88,9	4,1	2	75	120	692	2	12
375400108	114,3	108	5,2	2	90	120	842	2	8

**396/RAD**

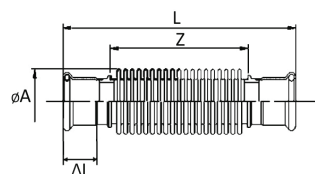
B 20 21

ATTACCO VERNICIATO PER RADIATORE

- PAINTED RADIATOR CONNECTOR
- HEIZUNGSANSCHLUSS LACKIERT
- CONNECTEUR PEINT DE RADIATEUR
- CONECTADOR PINTADO DEL RADIADOR

MATERIAL: E 195 - 1.0034**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm	Z1 mm	Z2 mm			
396102015V	15 x 1/2"	80	16	131	81	224	1	50
396102018V	18 x 1/2"	80	16	131	81	236	1	50



199

COMPENSATORE DI DILATAZIONE

- EXPANSION COMPENSATOR
- WELLENKOMPENSATOR
- COMPENSATEUR D'EXPANSION
- DILATADOR

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero - black - Schwarz - noir - negro

≤54 B 10 11

76÷108 B 10 12

CODE	De mm	L mm	Z mm	A mm			
199015000	15	139	71	22	80	1	100
199018000	18	143	74	27	108	1	80
199022000	22	139	68	34	130	1	80
199028000	28	150	73	41	155	1	40
199035000	35	177	90	51	251	1	24
199042000	42	202	107	61	440	1	16
199054000	54	221	113	71	550	1	12
199076000	76,1	278	180	87	1464	1	2
199088000	88,9	314	235	105	1871	1	2
199108000	108	388	255	131	2845	1	2

Sono concessi singoli raccordi in acciaio inox inseriti in un impianto in acciaio al carbonio.

Single joints in stainless steel are accepted inside a carbon steel installations.

Einzelne Fittings Inox in einer Carbon-Anlage sind zulässig.

Sont concedes les raccords simples inox inseres dans l'installation carbone.

Se aceptan accesorios independientes de inox / cobre / cuproniquel insertados en una instalación de acero carbono.

199 - Compensatore di dilatazione - Expansion compensator - Wellenkomensator

Compensateur d'expansion - Dilatador

La corsa massima di lavoro non deve superare la corsa nominale sotto indicata / The maximum axial stroke must not exceed the nominal value below indicated
 La course axiale maximum ne doit pas dépasser la course nominale indiquée ci-dessous / Der maximale Axialhub darf den unten angegebenen Nennwert nicht überschreiten / El rango máximo de trabajo no debe exceder el rango nominal abajo indicado

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)	ΔL (mm)	P (bar)
199 / 15	15	800	16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 18	18		18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	
199 / 22	22		20,0		18,4		17,0		15,8		14,8		14,2		13,7		13,2		12,8		12,4	
199 / 28	28		22,0	16	20,2	14,5	18,7	13,5	17,4	12,5	16,3	12	15,6	11,5	15,0	11	14,5	10,5	14,1	10,2	13,6	9,5
199 / 35	35		26,0		23,9		22,1		20,5		19,2		18,5		17,8		17,2		16,6		16,1	
199 / 42	42		32,0		29,4		27,2		25,3		23,7		22,7		21,9		21,1		20,5		19,8	
199 / 54	54	500	36,0		33,1		30,6		28,4		26,6		25,6		24,6		23,8		23,0		22,3	
199 / 76	76		30,0		27,6		25,5		23,7		22,2		21,3		20,5		19,8		19,2		18,6	
199 / 88	89		40,0	16	36,8	14,5	34,0	13,5	31,6	12,5	29,6	12	28,4	11,5	27,3	11	26,4	10,5	25,6	10,2	24,8	9,5
199 / 108	108		50,0		46,0		42,5		39,5		37,0		35,5		34,2		33,0		32,0		31,0	

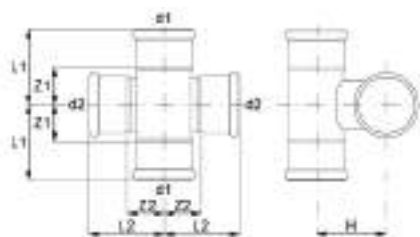
Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)
199 / 15	15	2900	11,2		10,3		9,5		8,8		8,3		8,0		7,6		7,4		7,2		6,9	
199 / 18	18		12,6		11,6		10,7		10,0		9,3		8,9		8,6		8,3		8,1		7,8	
199 / 22	22		14,0		12,9		11,9		11,1		10,4		9,9		9,6		9,2		9,0		8,7	
199 / 28	28		15,4	16	14,2	14,5	13,1	13,5	12,2	12,5	11,4	12	10,9	11,5	10,5	11	10,2	10,5	9,9	10,2	9,5	9,5
199 / 35	35		18,2		16,7		15,5		14,4		13,5		12,9		12,4		12,0		11,6		11,3	
199 / 42	42		22,4		20,6		19,0		17,7		16,6		15,9		15,3		14,8		14,3		13,9	
199 / 54	54	1800	25,2		23,2		21,4		19,9		18,6		17,9		17,2		16,6		16,1		15,6	
199 / 76	76		21,0		19,3		17,9		16,6		15,5		14,9		14,3		13,9		13,4		13,0	
199 / 88	89		28,0	16	25,8	14,5	23,8	13,5	22,1	12,5	20,7	12	19,9	11,5	19,1	11	18,5	10,5	17,9	10,2	17,4	9,5
199 / 108	108		35,0		32,2		29,8		27,7		25,9		24,9		23,9		23,1		22,4		21,7	

Code	DN	Cycles MAX	Temperature °C																			
			20°		40°		60°		80°		100°		120°		140°		160°		180°		200°	
			Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)	Δ L (mm)	P (bar)
199 / 15	15	12000	8,0		7,4		6,8		6,3		5,9		5,7		5,5		5,3		5,1		5,0	
199 / 18	18		9,0		8,3		7,7		7,1		6,7		6,4		6,1		5,9		5,8		5,6	
199 / 22	22		10,0		9,2		8,5		7,9		7,4		7,1		6,8		6,6		6,4		6,2	
199 / 28	28		11,0	16	10,1	14,5	9,4	13,5	8,7	12,5	8,1	12	7,8	11,5	7,5	11	7,3	10,5	7,0	10,2	6,8	9,5
199 / 35	35		13,0		12,0		11,1		10,3		9,6		9,2		8,9		8,6		8,3		8,1	
199 / 42	42		16,0		14,7		13,6		12,6		11,8		11,4		10,9		10,6		10,2		9,9	
199 / 54	54	7500	18,0		16,6		15,3		14,2		13,3		12,8		12,3		11,9		11,5		11,2	
199 / 76	76		15,0		13,8		12,8		11,9		11,1		10,7		10,2		9,9		9,6		9,3	
199 / 88	89		20,0	16	18,4	14,5	17,0	13,5	15,8	12,5	14,8	12	14,2	11,5	13,7	11	13,2	10,5	12,8	10,2	12,4	9,5
199 / 108	108		25,0		23,0		21,3		19,8		18,5		17,8		17,1		16,5		16,0		15,5	

Cycles MAX = Numero di cicli di lavoro - Work cycles number - Anzahl der Zyklen - Nombre de cycles de travail - Número de ciclos de trabajo

ΔL (mm) = Corsa assiale in compressione - Compression axial stroke - Axialhub in Kompression - Course axiale en compression - Carrera axial en compresión

P (bar) = pressione massima di lavoro - Maximum working pressure - maximaler Arbeitsdruck - Pression de travail maximale - Presión máxima de trabajo



399

CROCE A 90°

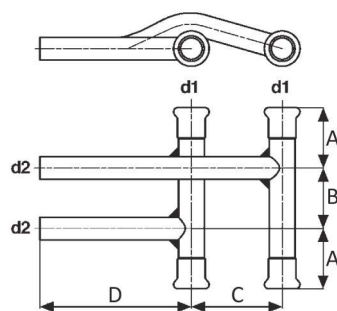
- CROSSOVER 90°
- KREUZSTÜCH 90°
- CROIX 90°
- CRUZ 90°

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	d1 - d2	L1 mm	L2 mm	Z1 mm	Z2 mm	H mm			
399015015	15 x 15	34,5	34,5	14,5	14,5	20	92	10	100
399018015	18 x 15	36,5	34,5	16,5	14,5	21,5	102	10	100
399022015	22 x 15	39,5	34,5	18,5	14,5	24	121	10	80
399022018	22 x 18	39,5	36,5	18,5	16,5	25,5	131	10	80
399028015	28 x 15	44	34,5	21	14,5	26,5	150	10	50
399028018	28 x 18	44	36,5	21	16,5	28	160	10	50

B 20 21



395

SCAVALCO SINGOLO

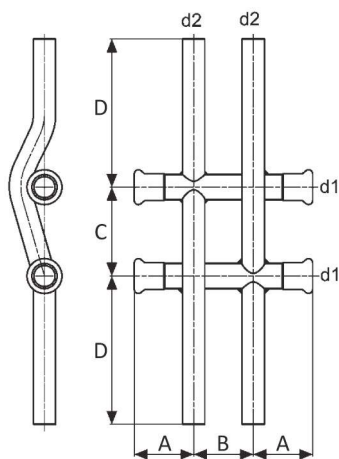
- SINGLE CROSSING
- HEIZKÖRPERANSCHLUSS
- RACCORDEMENT SINGLE ALLÉE ET RETOUR
- MANGUITO C/ CURVA DESVIACIÓN

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	d1 - d2	A mm	B mm	C mm	D mm			
395012012	12 x 12	30	40	60	100	205	1	30
395015012	15 x 12	40	40	60	100	244	1	30
395015015	15 x 15	40	40	60	100	266	1	30
395018012	18 x 12	40	40	60	100	276	1	25
395018015	18 x 15	40	40	60	100	298	1	25
395022012	22 x 12	40	40	60	100	322	1	20
395022015	22 x 15	40	40	60	100	340	1	20
395028012	28 x 12	40	40	60	100	374	1	20
395028015	28 x 15	40	40	60	100	394	1	15

B 20 21



396

SCAVALCO DOPPIO

- DOUBLE CROSSING
- KREUZFITTING
- RACCORDEMENT DOUBLE ALLÉE ET RETOUR
- MANGUITO C/ CURVA DESVIACIÓN DOBLE

MATERIAL: E 195 - 1.0034

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	d1 - d2	A mm	B mm	C mm	D mm			
396012012	12 x 12	30	40	60	100	280	1	20
396015012	15 x 12	40	40	60	100	318	1	20
396015015	15 x 15	40	40	60	100	376	1	20
396018012	18 x 12	40	40	60	100	355	1	20
396018015	18 x 15	40	40	60	100	410	1	15
396022012	22 x 12	40	40	60	100	380	1	15
396022015	22 x 15	40	40	60	100	436	1	15
396028012	28 x 12	40	40	60	100	452	1	10
396028015	28 x 15	40	40	60	100	494	1	10
396035015	35 x 15	40	40	60	100	556	1	10

Certificazioni / Certifications

		PRODUKTE DER WASSERVERSORGUNG	DW-8511CL0331	Ø 15 – 54 mm
		PRESSFITTINGS, TYPE AESPRES	1988	Ø 15 – 54 mm
		AESPRES, PRESSKOPPLING Ø 15–54 MM	SC0265-16	Ø 15 – 54 mm
		RACCORDI A PRESSARE IN RAME-BRONZO / COPPER-BRONZE PRESSFITTINGS PRODOTTI E COMPONENTI UTILIZZATI A CONTATTO CON ACQUA POTABILE PRODUCT AND ELEMENTS IN CONTACT WITH DRINKING WATER	ICIM-CAP-009671-04	Ø 12 – 54 mm

Campi di applicazione / Fields of application



Acqua potabile
Potable water



Riscaldamento
Heating



Raffrescamento
Cooling



Solare termico con O-Ring FKM
Solar thermal with FKM O-Ring



Aria compressa
Compressed Air



Antincendio
Fire protection systems

AES PRES® O-ring EPDM

Nero | Black | Schwarz | Noir | Negro



**SCOPRI
LA GAMMA**

AES PRES®
DISCOVER
THE RANGE



FOCUS ON

TUBO RAME PER AESPRES - AESPRES GAS / AESPRES - AESPRES GAS COPPER PIPING

Le tubazioni per impianti acqua e gas in rame, devono essere rispondenti alla norma UNI EN 1057:2010.

Rame e leghe di rame - Tubi rotondi di rame senza saldatura per acqua e gas nelle applicazioni sanitarie e di riscaldamento.

Piping for copper water and gas installation should comply with the standard EN 1057:2010, "Copper and copper alloys - Round tubes in copper without welding for water and gas in health-care and heating applications".

TABELLA 4: CARATTERISTICHE DEI TUBI DI RAME - EN 1057

Classe di resistenza <i>Resistance class</i>	Stato di fornitura <i>Delivery condition</i>	ϕ (mm)
R220	Ricotto - Rotoli <i>Annealed - Roll</i>	12 ÷ 22
R250	Semiduro - Barre <i>Semi-hard - Bar</i>	12 ÷ 28
R290	Duro - Barre <i>Hard - Bar</i>	12 ÷ 54
Classe di resistenza <i>Resistance class</i>	Resistenza minima alla trazione <i>Minimum traction resistance Rm (MPa)</i>	Allungamento minimo alla rottura <i>Minimum breaking elongation (%)</i>
R220	220	40
R250	250	20
R290	290	3

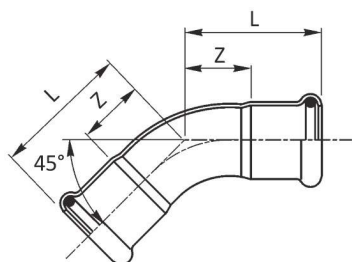
Le dimensioni dei tubi utilizzabili con i sistemi a pressare **Aespres** ed **Aespres Gas** sono esposte nella tabella sottostante.

*Tube sizes to be used with **Aespres** and **Aespres Gas** press fittings are included in the annexed table.*

DIMENSIONI DEI TUBI DI RAME - EN 1057 / DVGW GW 392
AESPRES PIPES DIMENSIONS AND CHARACTERISTICS - EN 1057 / DVGW GW 392

ϕ ESTERNO x SP. EXTERNAL ϕ x THK. mm	DN	ϕ INTERNO INTERNAL ϕ mm	MASSA MASS kg/m	CONTENUTO D'ACQUA WATER VOLUME l/m	STATO FORNITURA SUPPLIED CONDITION
12x1	10	10	0,309	0,079	Rotolo / Roll 25/50 m [R220] o / or Barra / Bar 5 m [R250 - R290]
15x1	12	13	0,393	0,133	
18x1	15	16	0,477	0,201	
22x1	20	20	0,589	0,314	
28x1,5	25	25	1,115	0,491	Barra / Bar 5 m [R250 - R290]
35x1,5	32	32	1,410	0,804	Barra / Bar 5 m [R290]
42x1,5	40	39	1,704	1,194	
54x2	50	50	2,918	1,963	

B 70 71



681/450

CURVA 45° FF

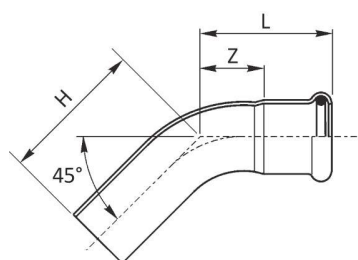
- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L mm	Z mm			
681012450	12	32	14	38	20	400
681015450	15	27,5	7,5	36	20	400
681018450	18	29,5	9,5	53	20	300
681022450	22	32	11	71	20	100
681028450	28	37	14	101	10	100
681035450	35	43,5	17,5	138	10	60
681042450	42	51	21	200	4	40
681054450	54	62	26,5	306	2	20

B 70 71



681/451

CURVA 45° MF

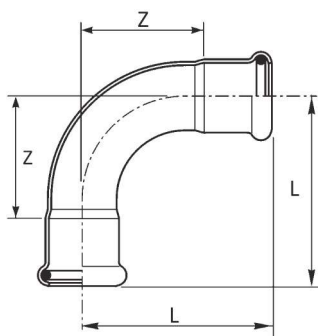
- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L mm	H mm	Z mm			
681012451	12	32	41	14	36	20	400
681015451	15	27,5	40	7,5	41	20	400
681018451	18	29,5	36	9,5	50	20	300
681022451	22	32	42	11	69	20	200
681028451	28	37	46	14	99	10	100
681035451	35	43,5	57,5	17,5	144	10	60
681042451	42	51	72	21	215	4	40
681054451	54	62	82	26,5	333	2	20

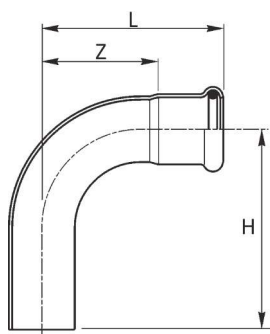
B 70 71

**681/900****CURVA 90° FF**

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L mm	Z mm			
681012900	12	42	24	28	20	400
681015900	15	38	18	51	20	400
681018900	18	41,5	21,5	62	20	300
681022900	22	47	26	88	10	150
681028900	28	56	33	128	10	100
681035900	35	68	42	180	5	50
681042900	42	80	50	265	2	30
681054900	54	100	64,5	419	2	18

**681/901****CURVA 90° MF**

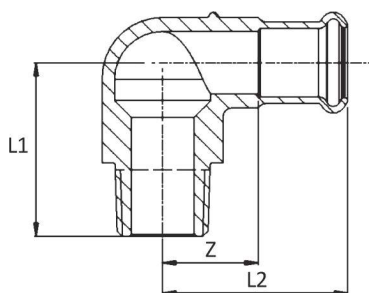
- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz
noir - negro

B 70 71

CODE	De mm	L mm	H mm	Z mm			
681012901	12	42	48	24	40	20	400
681015901	15	38	48	18	49	20	400
681018901	18	41,5	48,5	21,5	62	20	300
681022901	22	47	57	26	87	10	150
681028901	28	56	64	33	130	10	100
681035901	35	68	82	42	195	5	50
681042901	42	80	101	50	278	2	30
681054901	54	100	120	64,5	435	2	18

B 70 71



697

GOMITO MISTO 90° FILETTO M

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K
O-RING: EPDM nero - black - Schwarz
noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm			
697308012	12 x 3/8"	35	34	14	86	10	200
697102012	12 x 1/2"	40	34	14	113	10	150
697308015	15 x 3/8"	35	41,5	21,5	86	10	150
697102015	15 x 1/2"	38,5	41,5	21,5	131	10	120
697102018	18 x 1/2"	40	42	22	136	10	100
697304018	18 x 3/4"	44	42	22	177	10	100
697102022	22 x 1/2"	42	42	21	162	10	100
697304022	22 x 3/4"	47	42	21	193	10	80
697102028	28 x 1/2"	45	47	24	199	10	80
697100028	28 x 1"	53	45	24	318	5	50
697114035	35 x 1 1/4"	68	55	29	471	5	40
697112042	42 x 1 1/2"	75	65	35	660	2	24
697200054	54 x 2"	88	78	42	1078	2	20

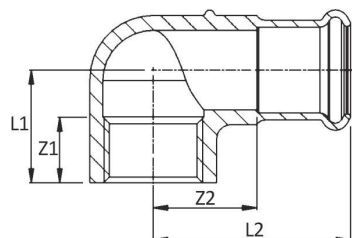
B 70 71

698

GOMITO MISTO 90° FILETTO F

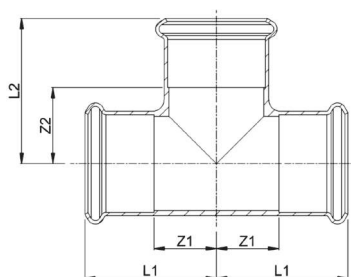
- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUERRE 90° AVEC FILETAGE F
- CODO HEMBRA

MATERIAL: CuSn5Zn5Pb2-C - CC499K
O-RING: EPDM nero - black - Schwarz
noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm			
698308012	12 x 3/8"	22,5	34	12	14	72	10	200
698102012	12 x 1/2"	24	34	16	14	87	10	200
698308015	15 x 3/8"	22,5	41,5	12	21,5	87	10	150
698102015	15 x 1/2"	22,5	41,5	16	21,5	102	10	150
698304015	15 x 3/4"	25	41,5	16	21,5	125	10	100
698102018	18 x 1/2"	24	42	16	22	112	10	150
698304018	18 x 3/4"	26	42	16	22	133	10	100
698102022	22 x 1/2"	26	42	15	21	129	10	100
698304022	22 x 3/4"	29	42	16	21	152	10	100
698100022	22 x 1"	32	45	19	24	203	10	80
698102028	28 x 1/2"	29	47	16	24	168	5	50
698100028	28 x 1"	35	48	19	25	240	5	50
698114035	35 x 1 1/4"	45	55	23	29	403	5	40
698112042	42 x 1 1/2"	52	65	23	35	541	2	30
698200054	54 x 2"	60	78	27	42	1085	2	16

B 70 71



682

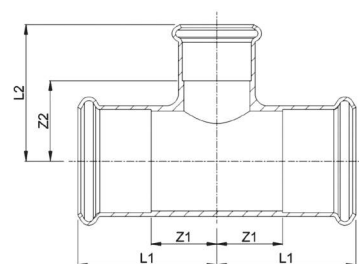
"T"

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
682012000	12	31	31	11	11	54	20	200
682015000	15	32	32	13,5	12	75	20	200
682018000	18	34	34	13,5	14	96	20	100
682022000	22	37	37	16	16	125	10	100
682028000	28	42	42	19	19	174	10	50
682035000	35	50	50	24	24	245	4	32
682042000	42	57	63	27	33	345	4	20
682054000	54	69	78	33,5	42	559	2	12



692

"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz
noir - negro

B 70 71

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
692015012	15 x 12 x 15	32	32	12	12	69	20	100
692018012	18 x 12 x 18	34	35	14	15	84	20	100
692018015	18 x 15 x 18	34	35	14	15	93	20	100
692022012	22 x 12 x 22	37	35	16	15	106	10	100
692022015	22 x 15 x 22	37	38	16	18	122	10	100
692022018	22 x 18 x 22	37	38	16	18	128	10	100
692028015	28 x 15 x 28	42	40,5	19	20,5	167	10	50
692028018	28 x 18 x 28	42	40,5	19	20,5	168	10	50
692028022	28 x 22 x 28	42	41	19	20	173	10	50
692035015	35 x 15 x 35	50	44	24	24	250	5	50
692035018	35 x 18 x 35	50	44	24	24	241	5	50
692035022	35 x 22 x 35	50	44	24	23	237	5	50
692035028	35 x 28 x 35	50	44	24	21	231	5	35
692042015	42 x 15 x 42	57	47,5	27	27,5	338	4	20
692042018	42 x 18 x 42	57	47,5	27	27,5	338	4	20
692042022	42 x 22 x 42	57	53	27	32	330	4	20
692042028	42 x 28 x 42	57	56	27	33	323	4	20
692042035	42 x 35 x 42	57	61	27	35	338	4	20
692054022	54 x 22 x 54	69	59	33,5	38	469	2	16
692054028	54 x 28 x 54	69	64	33,5	41	465	2	16
692054035	54 x 35 x 54	69	67	33,5	41	502	2	16
692054042	54 x 42 x 54	69	70	33,5	40	489	2	16

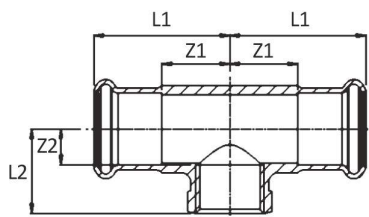
B 70 71

689

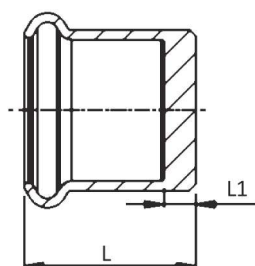
"T" CON DERIVAZIONE FILETTO F

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: CuSn5Zn5Pb2-C - CC 499K
O-RING: EPDM nero - black - Schwarz
noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689102012	12 x 1/2" x 12	34	24	14	10	104	10	100
689308015	15 x 3/8" x 15	41,5	22,5	21,5	10,5	118	10	100
689102015	15 x 1/2" x 15	41,5	22,5	21,5	8,5	128	10	100
689102018	18 x 1/2" x 18	42	24	22	10	145	10	100
689102022	22 x 1/2" x 22	42	26	21	12	170	10	100
689304022	22 x 3/4" x 22	42	30	21	14	183	10	100
689102028	28 x 1/2" x 28	44	29	21	15	211	5	50
689304028	28 x 3/4" x 28	44	30	21	14	216	5	50
689100028	28 x 1" x 28	44	34	21	16	265	5	50
689102035	35 x 1/2" x 35	50	34	24	19	308	5	50
689304035	35 x 3/4" x 35	50	34	24	18	305	5	40
689100035	35 x 1" x 35	50	35	24	17	329	5	40
689102042	42 x 1/2" x 42	57	38	27	23	419	4	32
689304042	42 x 3/4" x 42	57	38	27	22	415	4	32
689102054	54 x 1/2" x 54	69	44	33	30	638	2	14
689304054	54 x 3/4" x 54	69	44	33	28	639	2	14



683/003

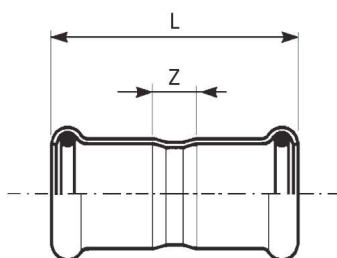
TAPPO DI CHIUSURA

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L mm	L1 mm			
683012003	12	20	3	14	20	500
683015003	15	22,5	2,5	20	20	500
683018003	18	23	3	25	20	300
683022003	22	24,5	2,5	34	10	200
683028003	28	26,5	3,5	49	10	150
683035003	35	28,5	2,5	65	5	100
683042003	42	32,5	2,5	93	4	80
683054003	54	37,5	2,5	147	4	40

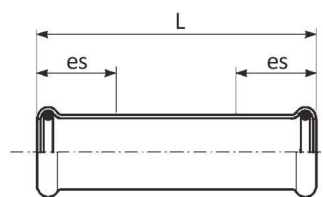
B 70 71

**683/000****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz
noir - negro

CODE	De mm	L mm	Z mm			
683012000	12	42	6	38	20	400
683015000	15	49	9	39	20	400
683018000	18	50	10	47	20	300
683022000	22	53	11	62	20	200
683028000	28	56	10	84	10	150
683035000	35	63	10	108	10	100
683042000	42	72	12	156	4	60
683054000	54	83	13	225	2	24

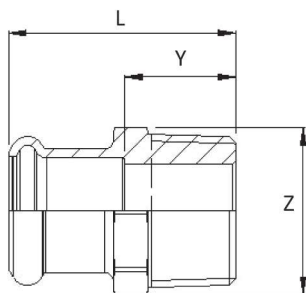
**683/001****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz
noir - negro

B 70 71

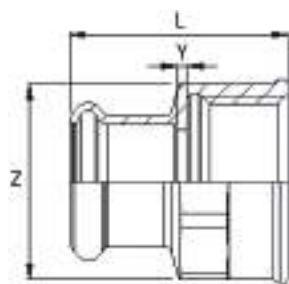
CODE	De mm	L mm	es mm			
683012001	12	56	22	33	20	500
683015001	15	80	25	58	20	200
683018001	18	80	25	66	20	200
683022001	22	80	25	80	20	100
683028001	28	91	30	110	10	100
683035001	35	102	30	167	10	50
683042001	42	120	40	223	4	40
683054001	54	140	40	333	4	20


687
MANICOTTO MISTO FILETTO M

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K
O-RING: EPDM nero - black - Schwarz
 noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm			
687308012	12 x 3/8"	32	17	12	31	20	400
687102012	12 x 1/2"	36	22	16	48	20	400
687308015	15 x 3/8"	32	21	12	32	20	400
687102015	15 x 1/2"	36	22	16	53	20	300
687304015	15 x 3/4"	37,5	27	17,5	74	20	240
687102018	18 x 1/2"	37	22	17	47	20	300
687304018	18 x 3/4"	38	27	18	65	10	200
687102022	22 x 1/2"	36	27	17	58	10	200
687304022	22 x 3/4"	39	27	18	64	10	200
687100022	22 x 1"	42,5	34	21,5	111	10	100
687304028	28 x 3/4"	42	34	19	93	10	100
687100028	28 x 1"	44,5	34	21,5	105	10	100
687114028	28 x 1"1/4	48	43	25	192	10	100
687100035	35 x 1"	48	40	22	139	5	50
687114035	35 x 1"1/4	50	43	24	182	5	50
687112035	35 x 1"1/2	51	50	25	239	5	50
687114042	42 x 1"1/4	54	50	24	223	4	40
687112042	42 x 1"1/2	54	51	24	215	4	40
687112054	54 x 1"1/2	60	63	24	316	4	32
687200054	54 x 2"	63,5	63	33	341	4	32

**690****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: CuSn5Zn5Pb2-C - CC499K**O-RING:** EPDM nero - black - Schwarz
noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm	 g		
690308012	12 x 3/8"	33,5	21	2	38	20	400
690102012	12 x 1/2"	36	26	2	58	20	300
690308015	15 x 3/8"	33,5	21	2	38	20	300
690102015	15 x 1/2"	36	26	2	58	20	300
690304015	15 x 3/4"	39	31	2	76	10	200
690102018	18 x 1/2"	37	26	2	61	20	300
690304018	18 x 3/4"	39	31	2	77	10	200
690102022	22 x 1/2"	36	27	1,5	64	20	200
690304022	22 x 3/4"	39	31	2,5	76	10	150
690100022	22 x 1"	42,5	38	2	112	10	100
690102028	28 x 1/2"	39	34	1	98	20	100
690304028	28 x 3/4"	41,5	34	2	98	10	100
690100028	28 x 1"	45	38	2,5	122	10	100
690114028	28 x 1"1/4	48	46	3	162	10	100
690100035	35 x 1"	45	40	2	132	5	100
690114035	35 x 1"1/4	50	46	2	164	5	100
690114042	42 x 1"1/4	54	50	2	198	4	40
690112042	42 x 1"1/2	54	53	2	217	4	40
690200054	54 x 2"	65	65	3	342	4	32

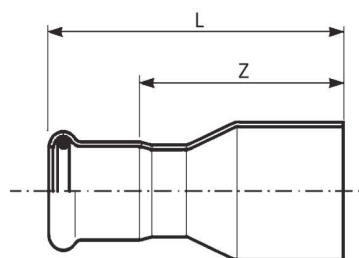
B 70 71

691

RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: EPDM nero - black - Schwarz
noir - negro



CODE	De mm	L mm	Z mm			
691015012	15 x 12	51	31	20	20	500
691018012	18 x 12	53	33	36	20	500
691018015	18 x 15	57	37	42	20	500
691022015	22 x 15	64	44	53	20	400
691022018	22 x 18	59,5	39,5	52	20	300
691028015	28 x 15	54	34	48	20	200
691028018	28 x 18	53	33	54	20	200
691028022	28 x 22	65	44	72	20	200
691035022	35 x 22	59	38	68	10	100
691035028	35 x 28	71	48	98	10	100
691042022	42 x 22	66	45	97	4	80
691042028	42 x 28	65	42	99	4	80
691042035	42 x 35	80,5	54,5	137	4	40
691054022	54 x 22	74	53	154	4	40
691054028	54 x 28	70	47	148	4	40
691054035	54 x 35	76	50	159	4	40
691054042	54 x 42	97,5	67,5	204	4	32

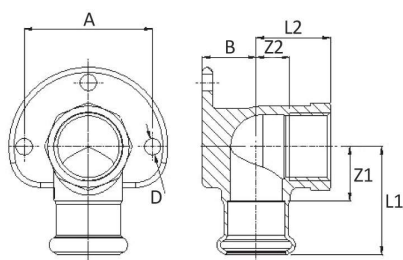
B 70 71

685

GOMITO MISTO 90° FF

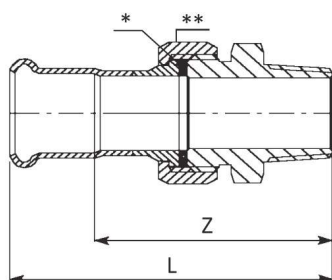
- WALL PLATE ELBOW 90° WITH FEMALE THREAD
- DECKENWINKEL 90° IG
- EQUERRE 90° FF
- CODO PLACA HH

MATERIAL: CuSn5Zn5Pb2-C - CC499K
O-RING: EPDM nero - black - Schwarz
noir - negro
THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
685102012	12 x 1/2"	34	24	14	9	40	12	6,5	155	10	100
685102015	15 x 1/2"	41,5	22,5	21,5	7	40	14	6,5	172	10	100
685102018	18 x 1/2"	42	24	22	9	40	15	6,5	188	10	100
685304022	22 x 3/4"	42	29	21	13	50	21	6,5	249	10	50
685100022	22 x 1"	45	32	24	13	50	30	6,5	315	10	50
685100028	28 x 1"	48	35	25	16	50	30	6,5	366	5	50

B 70 71



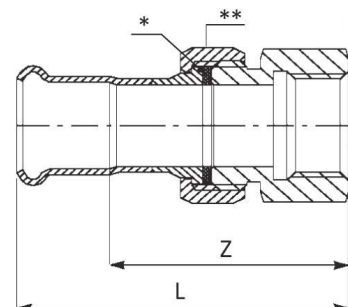
684/002

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K**FITTING:** [**]: ottone - brass - Messing
laiton - latón**O-RING:** EPDM nero - black - Schwarz
noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz
noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
684015002	15 x 1/2"	66	46	24x14 thk 2,5	164	2	100
684015012	15 x 3/4"	67	47	24x14 thk 2,5	195	2	80
684018002	18 x 1/2"	65,5	45,5	24x14 thk 2,5	160	2	80
684018012	18 x 3/4"	66,5	46,5	24x14 thk 2,5	191	2	80
684022002	22 x 3/4"	68,5	47,5	30x20 thk 2,5	252	2	60
684022012	22 x 1"	71,5	50,5	30x20 thk 2,5	242	2	60
684028002	28 x 1"	80	56	39x27 thk 2,5	432	2	40
684035002	35 x 1 1/4"	89	62	44,5x30 thk 2,5	684	2	20
684042002	42 x 1 1/2"	92,5	62,5	50,5x38 thk 2,5	716	2	20
684054002	54 x 2"	106	70	65,5x45 thk 3	1344	2	12



684/003

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: CuSn5Zn5Pb2-C - CC499K**FITTING:** [**]: ottone - brass - Messing
laiton - latón**O-RING:** EPDM nero - black - Schwarz
noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz
noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
684012003	12 x 3/8"	59,5	39,5	18x10 thk 2,5	156	2	100
684012013	12 x 1/2"	59,5	39,5	18x10 thk 2,5	142	2	100
684015003	15 x 1/2"	60,5	40,5	24x14 thk 2,5	170	2	100
684015013	15 x 3/4"	62,5	42,5	24x14 thk 2,5	191	2	100
684018003	18 x 1/2"	62	42	24x14 thk 2,5	168	2	100
684018013	18 x 3/4"	62	42	24x14 thk 2,5	185	2	100
684022003	22 x 1/2"	62,5	41,5	30x20 thk 2,5	299	2	60
684022013	22 x 3/4"	63,5	42,5	30x20 thk 2,5	250	2	60
684022023	22 x 1"	67,5	46,5	30x20 thk 2,5	273	2	60
684028003	28 x 1"	73	49	39x27 thk 2,5	481	2	40
684035003	35 x 1 1/4"	81	54	44,5x30 thk 2,5	638	2	24
684042003	42 x 1 1/2"	84,5	54,5	50,5x38 thk 2,5	682	2	24
684054003	54 x 2"	104	68	65,5x45 thk 3	1355	2	12

Campi di applicazione / Fields of application

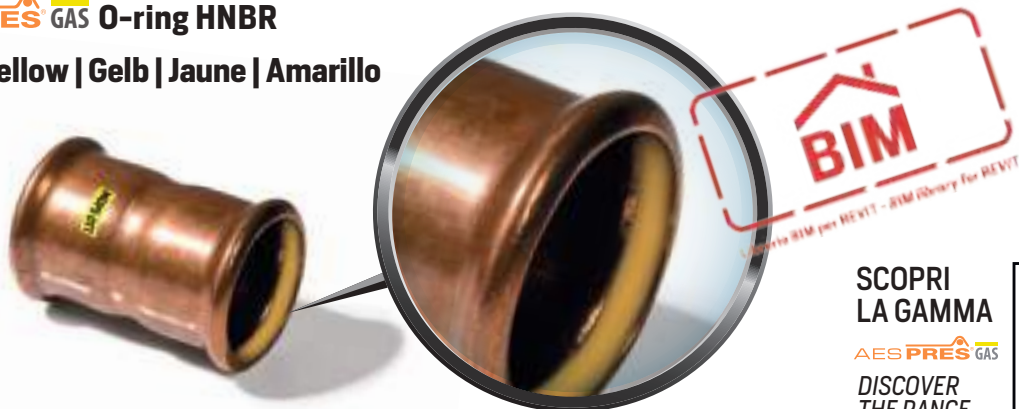
AES PRES[®] GAS



**Gas metano / GPL
Natural gas / LPG**

AES PRES[®] GAS O-ring HNBR

Giallo | Yellow | Gelb | Jaune | Amarillo



**SCOPRI
LA GAMMA**

AES PRES[®] GAS

**DISCOVER
THE RANGE**



FOCUS ON

TUBO RAME PER AESPRES - AESPRES GAS / AESPRES - AESPRES GAS COPPER PIPING

Le tubazioni per impianti acqua e gas in rame, devono essere rispondenti alla norma UNI EN 1057:2010.

Rame e leghe di rame - Tubi rotondi di rame senza saldatura per acqua e gas nelle applicazioni sanitarie e di riscaldamento.

Piping for copper water and gas installation should comply with the standard EN 1057:2010, "Copper and copper alloys - Round tubes in copper without welding for water and gas in health-care and heating applications".

TABELLA 4: CARATTERISTICHE DEI TUBI DI RAME - EN 1057

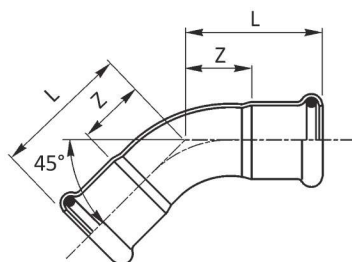
Classe di resistenza <i>Resistance class</i>	Stato di fornitura <i>Delivery condition</i>	ϕ (mm)
R220	Ricotto - Rotoli <i>Annealed - Roll</i>	12 ÷ 22
R250	Semiduro - Barre <i>Semi-hard - Bar</i>	12 ÷ 28
R290	Duro - Barre <i>Hard - Bar</i>	12 ÷ 54
Classe di resistenza <i>Resistance class</i>	Resistenza minima alla trazione <i>Minimum traction resistance Rm (MPa)</i>	Allungamento minimo alla rottura <i>Minimum breaking elongation (%)</i>
R220	220	40
R250	250	20
R290	290	3

Le dimensioni dei tubi utilizzabili con i sistemi a pressare **Aespres** ed **Aespres Gas** sono esposte nella tabella sottostante.

*Tube sizes to be used with **Aespres** and **Aespres Gas** press fittings are included in the annexed table.*

DIMENSIONI DEI TUBI DI RAME - EN 1057 / DVGW GW 392
AESPRES PIPES DIMENSIONS AND CHARACTERISTICS - EN 1057 / DVGW GW 392

ϕ ESTERNO x SP. EXTERNAL ϕ x THK. mm	DN	ϕ INTERNO INTERNAL ϕ mm	MASSA MASS kg/m	CONTENUTO D'ACQUA WATER VOLUME l/m	STATO FORNITURA SUPPLIED CONDITION
12x1	10	10	0,309	0,079	Rotolo / Roll 25/50 m [R220] o / or Barra / Bar 5 m [R250 - R290]
15x1	12	13	0,393	0,133	
18x1	15	16	0,477	0,201	
22x1	20	20	0,589	0,314	
28x1,5	25	25	1,115	0,491	Barra / Bar 5 m [R250 - R290]
35x1,5	32	32	1,410	0,804	Barra / Bar 5 m [R290]
42x1,5	40	39	1,704	1,194	
54x2	50	50	2,918	1,963	

B 70 72


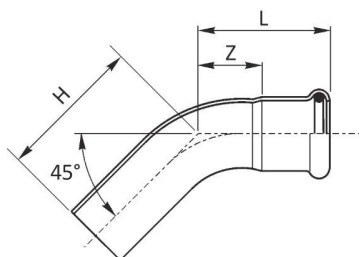
681/450 G

CURVA 45° FF

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo

CODE	De mm	L mm	Z mm		
681015450G	15	27,5	7,5	36	4
681018450G	18	29,5	9,5	53	4
681022450G	22	32	11	71	4
681028450G	28	37	14	101	4
681035450G	35	43,5	17,5	138	1
681042450G	42	51	21	200	1
681054450G	54	62	26,5	306	1

B 70 72


681/451 G

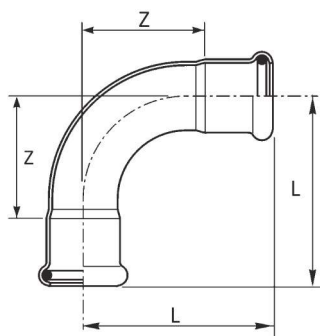
CURVA 45° MF

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo

CODE	De mm	L mm	H mm	Z mm		
681015451G	15	27,5	40	7,5	41	4
681018451G	18	29,5	36	9,5	50	4
681022451G	22	32	42	11	69	4
681028451G	28	37	46	14	99	4
681035451G	35	43,5	57,5	17,5	144	1
681042451G	42	51	72	21	215	1
681054451G	54	62	82	26,5	333	1

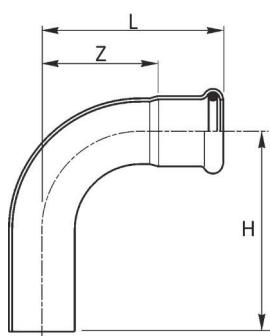
B7072

**681/900 G****CURVA 90° FF**

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo

CODE	De mm	L mm	Z mm		
681015900G	15	38	18	51	4
681018900G	18	41,5	21,5	62	4
681022900G	22	47	26	88	4
681028900G	28	56	33	128	4
681035900G	35	68	42	180	1
681042900G	42	80	50	265	1
681054900G	54	100	64,5	419	1

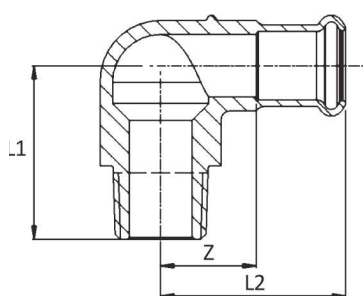
**681/901 G****CURVA 90° MF**

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo

B7072

CODE	De mm	L mm	H mm	Z mm		
681015901G	15	38	48	18	49	4
681018901G	18	41,5	48,5	21,5	62	4
681022901G	22	47	57	26	87	4
681028901G	28	56	64	33	130	4
681035901G	35	68	82	42	195	1
681042901G	42	80	101	50	278	1
681054901G	54	100	120	64,5	435	1


697 G
B 70 72
GOMITO MISTO 90° FILETTO M

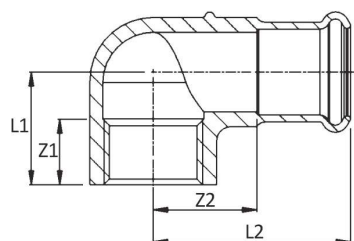
- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K

O-RING: HNBR giallo - yellow - Gelb
jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm		
697308015G	15 x 3/8"	35	41,5	21,5	86	4
697102015G	15 x 1/2"	38,5	41,5	21,5	131	4
697102018G	18 x 1/2"	40	42	22	136	4
697304018G	18 x 3/4"	44	42	22	177	4
697102022G	22 x 1/2"	42	42	21	162	4
697304022G	22 x 3/4"	47	42	21	193	4
697102028G	28 x 1/2"	45	47	24	199	4
697100028G	28 x 1"	53	45	24	318	4
697114035G	35 x 1 1/4"	68	55	29	471	1
697112042G	42 x 1 1/2"	75	65	35	660	1
697200054G	54 x 2"	88	78	42	1078	1


698 G
B 70 72
GOMITO MISTO 90° FILETTO F

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUERRE 90° AVEC FILETAGE F
- CODO HEMBRA

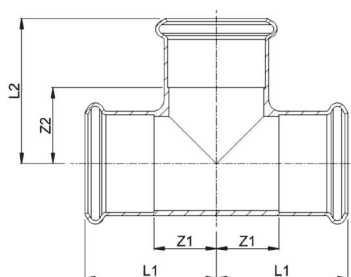
MATERIAL: CuSn5Zn5Pb2-C - CC499K

O-RING: HNBR giallo - yellow - Gelb
jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm		
698308015G	15 x 3/8"	22,5	41,5	12	21,5	87	4
698102015G	15 x 1/2"	22,5	41,5	16	21,5	102	4
698304015G	15 x 3/4"	25	41,5	16	21,5	125	4
698102018G	18 x 1/2"	24	42	16	22	112	4
698304018G	18 x 3/4"	26	42	16	22	133	4
698102022G	22 x 1/2"	26	42	15	21	129	4
698304022G	22 x 3/4"	29	42	16	21	152	4
698100022G	22 x 1"	32	45	19	24	203	4
698102028G	28 x 1/2"	29	47	16	24	168	4
698100028G	28 x 1"	35	48	19	25	240	4
698114035G	35 x 1 1/4"	45	55	23	29	403	1
698112042G	42 x 1 1/2"	52	65	23	35	541	1
698200054G	54 x 2"	60	78	27	42	1085	1

B 70 72

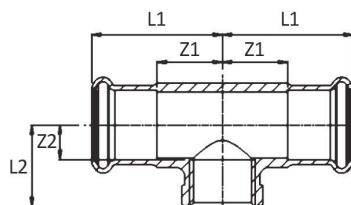
**682 G****“T”**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
682015000G	15	32	32	13,5	12	75	4
682018000G	18	34	34	13,5	14	96	4
682022000G	22	37	37	16	16	125	4
682028000G	28	42	42	19	19	174	4
682035000G	35	50	50	24	24	245	1
682042000G	42	57	63	27	33	345	1
682054000G	54	69	78	33,5	42	559	1

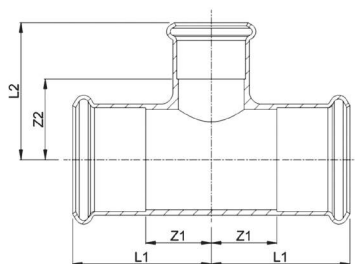
B 70 72

**689 G****“T” CON DERIVAZIONE FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: CuSn5Zn5Pb2-C - CC499K**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
689308015G	15 x 3/8" x 15	41,5	22,5	21,5	10,5	118	4
689102015G	15 x 1/2" x 15	41,5	22,5	21,5	8,5	128	4
689102018G	18 x 1/2" x 18	42	24	22	10	145	4
689102022G	22 x 1/2" x 22	42	26	21	12	170	4
689304022G	22 x 3/4" x 22	42	30	21	14	183	4
689102028G	28 x 1/2" x 28	44	29	21	15	211	4
689304028G	28 x 3/4" x 28	44	30	21	14	216	4
689100028G	28 x 1" x 28	44	34	21	16	265	4
689102035G	35 x 1/2" x 35	50	34	24	19	308	1
689304035G	35 x 3/4" x 35	50	34	24	18	305	1
689100035G	35 x 1" x 35	50	35	24	17	329	1
689102042G	42 x 1/2" x 42	57	38	27	23	419	1
689304042G	42 x 3/4" x 42	57	38	27	22	415	1
689102054G	54 x 1/2" x 54	69	44	33	30	638	1
689304054G	54 x 3/4" x 54	69	44	33	28	639	1

B 70 72


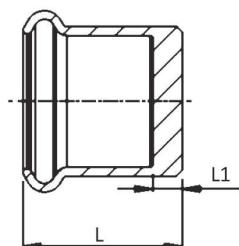
692 G

"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm		
692018015G	18 x 15 x 18	34	35	14	15	93	4
692022015G	22 x 15 x 22	37	38	16	18	122	4
692022018G	22 x 18 x 22	37	38	16	18	128	4
692028015G	28 x 15 x 28	42	40,5	19	20,5	167	4
692028018G	28 x 18 x 28	42	40,5	19	20,5	168	4
692028022G	28 x 22 x 28	42	41	19	20	173	4
692035015G	35 x 15 x 35	50	44	24	24	250	1
692035018G	35 x 18 x 35	50	44	24	24	241	1
692035022G	35 x 22 x 35	50	44	24	23	237	1
692035028G	35 x 28 x 35	50	44	24	21	231	1
692042015G	42 x 15 x 42	57	47,5	27	27,5	338	1
692042018G	42 x 18 x 42	57	47,5	27	27,5	338	1
692042022G	42 x 22 x 42	57	53	27	32	330	1
692042028G	42 x 28 x 42	57	56	27	33	323	1
692042035G	42 x 35 x 42	57	61	27	35	338	1
692054022G	54 x 22 x 54	69	59	33,5	38	469	1
692054028G	54 x 28 x 54	69	64	33,5	41	465	1
692054035G	54 x 35 x 54	69	67	33,5	41	502	1
692054042G	54 x 42 x 54	69	70	33,5	40	489	1



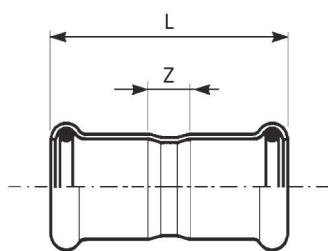
683/003 G

TAPPO DI CHIUSURA

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo

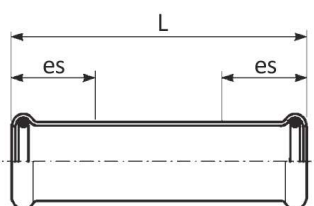
CODE	De mm	L mm	L1 mm		
683015003G	15	22,5	2,5	20	4
683018003G	18	23	3	25	4
683022003G	22	24,5	2,5	34	4
683028003G	28	26,5	3,5	49	4
683035003G	35	28,5	2,5	65	1
683042003G	42	32,5	2,5	93	1
683054003G	54	37,5	2,5	147	1

**683/000 G****B7072****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo

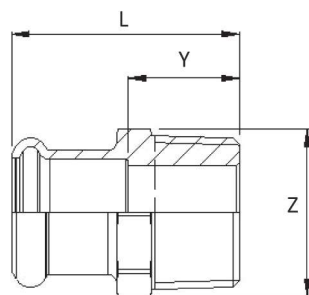
CODE	De mm	L mm	Z mm		
683015000G	15	49	9	39	4
683018000G	18	50	10	47	4
683022000G	22	53	11	62	4
683028000G	28	56	10	84	4
683035000G	35	63	10	108	1
683042000G	42	72	12	156	1
683054000G	54	83	13	225	1

**683/001 G****B7072****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo

CODE	De mm	L mm	es mm		
683015001G	15	80	25	58	4
683018001G	18	80	25	66	4
683022001G	22	80	25	80	4
683028001G	28	91	30	110	4
683035001G	35	102	30	167	1
683042001G	42	120	40	223	1
683054001G	54	140	40	333	1



687 G

B 70 72

MANICOTTO MISTO FILETTO M

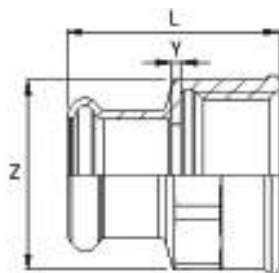
- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K

O-RING: HNBR giallo - yellow - Gelb
jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

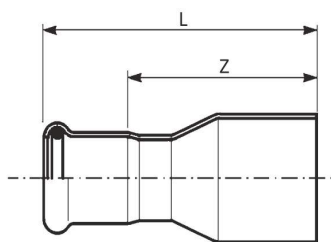
CODE	De x R mm x inch	L mm	Z mm	Y mm		
687308015G	15 x 3/8"	32	21	12	32	4
687102015G	15 x 1/2"	36	22	16	53	4
687304015G	15 x 3/4"	37,5	27	17,5	74	4
687102018G	18 x 1/2"	37	22	17	47	4
687304018G	18 x 3/4"	38	27	17	65	4
687102022G	22 x 1/2"	36	27	18	58	4
687304022G	22 x 3/4"	39	27	18	64	4
687100022G	22 x 1"	42,5	34	21,5	111	4
687304028G	28 x 3/4"	42	34	19	93	4
687100028G	28 x 1"	44,5	34	21,5	105	4
687114028G	28 x 1"1/4	48	43	25	192	4
687100035G	35 x 1"	48	40	22	139	1
687114035G	35 x 1"1/4	50	43	24	182	1
687112035G	35 x 1"1/2	51	50	25	239	1
687114042G	42 x 1"1/4	54	50	24	223	1
687112042G	42 x 1"1/2	54	50	24	215	1
687112054G	54 x 1"1/2	60	63	24	316	1
687200054G	54 x 2"	63,5	63	27,5	341	1

**690 G****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: CuSn5Zn5Pb2-C - CC499K**O-RING:** HNBR giallo - yellow - Gelb
jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm	 g	
690308015G	15 x 3/8"	33,5	21	2	38	4
690102015G	15 x 1/2"	36	26	2	58	4
690304015G	15 x 3/4"	39	31	2	76	4
690102018G	18 x 1/2"	37	26	2	61	4
690304018G	18 x 3/4"	39	31	2	77	4
690102022G	22 x 1/2"	36	27	1,5	64	4
690304022G	22 x 3/4"	39	31	2,5	76	4
690100022G	22 x 1"	42,5	38	2	112	4
690102028G	28 x 1/2"	39	34	1	98	4
690304028G	28 x 3/4"	41,5	34	2	98	4
690100028G	28 x 1"	45	38	2,5	122	4
690114028G	28 x 1"1/4	48	46	3	162	4
690100035G	35 x 1"	45	40	2	132	1
690114035G	35 x 1"1/4	50	46	2	164	1
690114042G	42 x 1"1/4	54	50	2	198	1
690112042G	42 x 1"1/2	54	53	2	217	1
690200054G	54 x 2"	65	65	3	342	1

B 70 72


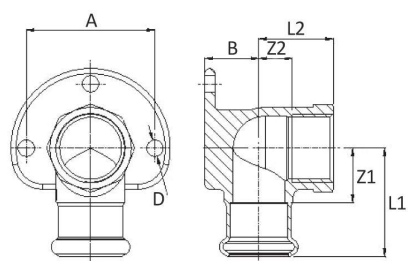
691 G

RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo

CODE	De mm	L mm	Z mm		
691018015G	18 x 15	57	37	42	4
691022015G	22 x 15	64	44	53	4
691022018G	22 x 18	59,5	39,5	52	4
691028015G	28 x 15	54	34	48	4
691028018G	28 x 18	53	33	54	4
691028022G	28 x 22	65	44	72	4
691035022G	35 x 22	59	38	68	1
691035028G	35 x 28	71	48	98	1
691042022G	42 x 22	66	45	97	1
691042028G	42 x 28	65	42	99	1
691042035G	42 x 35	80,5	54,5	137	1
691054022G	54 x 22	74	53	154	1
691054028G	54 x 28	70	47	148	1
691054035G	54 x 35	76	50	159	1
691054042G	54 x 42	97,5	67,5	204	1



685 G

GOMITO MISTO 90° FF

- WALL PLATE ELBOW 90° WITH FEMALE THREAD
- DECKENWINKEL 90° IG
- EQUERRE 90° FF
- CODO PLACA HH

MATERIAL: CuSn5Zn5Pb2-C - CC499K
O-RING: HNBR giallo - yellow - Gelb
 jaune - amarillo
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm		
685102015G	15 x 1/2"	41,5	22,5	21,5	7	40	14	6,5	172	4
685102018G	18 x 1/2"	42	24	22	9	40	15	6,5	188	4
685304022G	22 x 3/4"	42	29	21	13	50	21	6,5	247	4

Certificazioni / Certifications

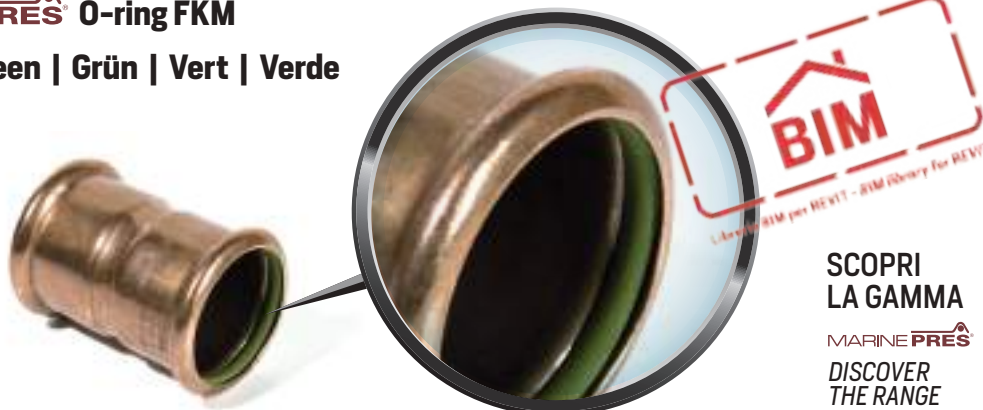
		GIUNTI MECCANICI PER TUBOLATURE - MARINEPRES MECHANICAL JOINTS FOR PIPES - MARINEPRES	MAC - 398223CS	Ø 15 - 108 mm
		RACCORDI A PRESSARE IN CUPRONICHEL / CUPRONICKEL PRESSFITTINGS PRODOTTI E COMPONENTI UTILIZZATI A CONTATTO CON ACQUA POTABILE PRODUCT AND ELEMENTS IN CONTACT WITH DRINKING WATER	ICIM-CAP-009671-04	Ø 15 - 108 mm
		TUBE FITTINGS - MARINEPRES	TAP000007B	Ø 15 - 108 mm
		PIPE, DUCT, TRUNK - MARINEPRES	MEDB00007F1	Ø 15 - 108 mm
		PRESS FIT SYSTEM OF COMPRESSION TYPE FOR PIPING SYSTEMS	LR2319040ITA	Ø 15 - 108 mm
		COMPRESSION COUPLINGS - PRESSTYPE	MIL46378-PE001	Ø 15 - 108 mm
		PIPE COUPLING WITH O-RING SEAL MARINEPRES SYSTEM	38059/C1 BV	Ø 15 - 108 mm
		MARINEPRES, PIPING SYSTEM AND FITTING	24-0113295-PDA	Ø 15 - 108 mm
		MARINEPRES, MECHANICAL JOINTS	ML 24PTB00011	Ø 15 - 108 mm

Campi di applicazione / Fields of application

MARINE PRES®

**Riscaldamento**
Heating**Raffrescamento**
Cooling**Solare termico**
Solar thermal**Aria compressa**
Compressed air**Antincendio**
Fire protection systems**Acque di processo**
Process water**Scarichi**
Waste water

MARINE PRES® O-ring FKM

Verde | Green | Grün | Vert | Verde**SCOPRI
LA GAMMA**MARINE PRES®
**DISCOVER
THE RANGE**



616/000 CN

**PER IMPIANTI
NAVALI**

- FOR SHIPYARD SECTOR
- FÜR SCHIFFSBEREICH
- POUR SECTEUR NAVAL
- PARA SECTOR NAVAL

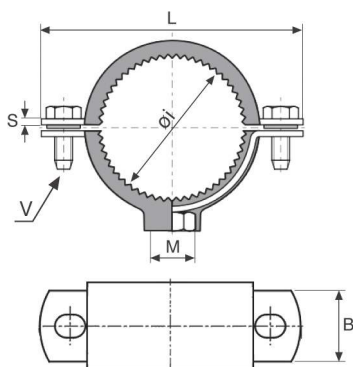
NORM: DIN 86019

≤54 B 90 91

76÷108 B 90 92

Mat. Nr.: CuNi10Fe1.6Mn L=6 m

CODE	Dimensions mm x mm	Ø int mm	L m	kg/m	Volume l/m	Minimum package m
616015000CN	15 x 1,0	13	6	0,39	0,133	60
616018000CN	18 x 1,0	16	6	0,48	0,201	60
616022000CN	22 x 1,0	20	6	0,59	0,314	60
616028000CN	28 x 1,5	25	6	1,12	0,491	30
616035000CN	35 x 1,5	32	6	1,41	0,804	30
616042000CN	42 x 1,5	39	6	1,71	1,194	30
616054000CN	54 x 1,5	51	6	2,21	2,042	30
616076000CN	76,1 x 2,0	72,1	6	4,16	4,08	6
616088000CN	88,9 x 2,0	84,9	6	4,88	5,66	6
616108000CN	108 x 2,5	103	6	7,41	8,332	6



Conforme a
Conform to
Entsprechend
Correspondant
Conforme a la

DIN 4109

156/G

A 50 50

COLLARE GOMMA PER TUBO INOXPRES

- CLAMP WITH RUBBER FOR INOXPRES PIPE
- ROHRSCHELLE MIT GUMMIEINLAGE FÜR INOXPRES ROHR
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE POUR TUBE INOXPRES
- ABRAZADERA ISOFÓNICA PARA TUBO INOXPRES

MATERIAL: AISI 304 - 1.4301

VULCANIZED RUBBER:

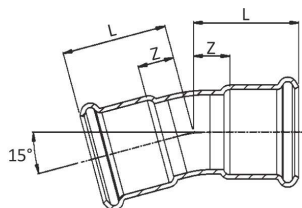
EPDM [-20°
C/+120° C]
durezza/hardness
55 Shore

NOTE: dado saldato con puntatura elettrica
spot welded nut

CODE	Øi mm	M	V mm	B mm	L mm	S mm	g	Box
156150304G	15 - 18	M 8	M 6 x 20	20	58	2,5	72	50*
156308304G	16 - 18	M 8	M 6 x 20	20	58	2,5	76	50*
156102304G	20 - 24	M 8	M 6 x 20	20	63,5	2,5	86	50*
156304304G	25 - 28	M 8	M 6 x 20	20	70	2,5	94	50*
156100304G	31 - 35	M 8	M 6 x 20	20	79	2,5	112	50*
156114304G	39 - 43	M 8	M 6 x 20	20	85	2,5	120	50*
156112304G	47 - 54	M 8	M 6 x 25	20	97	2,5	142	50*
156212304G	73 - 76,5	M 10	M 6 x 25	30	128	2,5	308	10*
156300304G	86 - 89	M 10	M 6 x 25	30	148	2,5	346	10*
156108316G **	108	M 8 / 10	M 6 x 25	20	168	2	200	10*

[*] unità minima di vendita / minimum selling quantity

[**] Gomma staccabile - Detachable rubber - Abnehmbare Gummi - Caoutchouc amovible - Goma desmontable
AISI 316 / 1.4401 (famiglia / family A 50 51)

**681/150 CN**

≤54 B 80 81

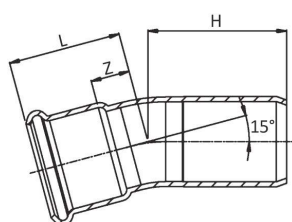
76÷108 B 80 82

CURVA 15° FF

- 15° ELBOW FF
- BOGEN 15° II
- COUDE FF 15°
- CURVA 15° HH

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	Z mm			
681015150CN	15	30	10	43	20	300
681022150CN	22	33	12	72	20	100
681028150CN	28	36	13	97	10	100
681035150CN	35	37	11	140	10	60
681042150CN	42	42	12	200	4	40
681054150CN	54	49	13	302	2	20
681076150CNC	76,1	87,5	32,5	863	2	2
681088150CNC	88,9	100,5	40,5	1147	2	2
681108150CNC	108	109,5	34,5	1567	2	2

**681/151 CN**

≤54 B 80 81

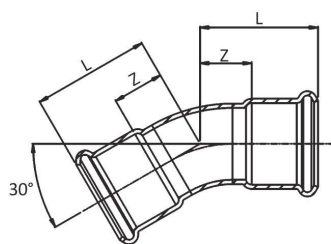
76÷108 B 80 82

CURVA 15° MF

- 15° ELBOW MF
- BOGEN 15° IA
- COUDE MF 15°
- CURVA 15° HM

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	H mm	Z mm			
681015151CN	15	30	40	10	42	20	300
681022151CN	22	33	41	12	71	20	100
681028151CN	28	36	43	13	101	10	100
681035151CN	35	37	41	11	148	10	60
681042151CN	42	42	55,5	12	183	4	40
681054151CN	54	49	55	13	339	2	20
681076151CNC	76,1	87,5	95,5	32,5	827	2	2
681088151CNC	88,9	100,5	108,5	40,5	1100	2	2
681108151CNC	108	109,5	118	34,5	1482	2	2



681/300 CN

≤54 B 80 81

76÷108 B 80 82

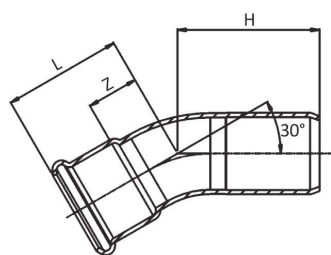
CURVA 30° FF

- 30° ELBOW FF
- BOGEN 30° II
- COUDE FF 30°
- CURVA 30° HH

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	Z mm			
681015300CN	15	33	13	43	20	300
681022300CN	22	37	16	72	20	100
681028300CN	28	41	18	97	10	100
681035300CN	35	37	11	140	10	60
681042300CN	42	44	14	200	4	40
681054300CN	54	52	17	302	2	20
681076300CN	76,1	100	55	1004	2	2
681088300CN	88,9	115	64	1394	2	2
681108300CN	108	127	68	1896	2	2



681/301 CN

≤54 B 80 81

76÷108 B 80 82

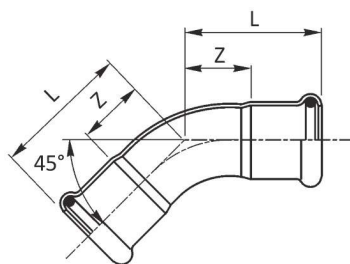
CURVA 30° MF

- 30° ELBOW MF
- BOGEN 30° IA
- COUDE MF 30°
- CURVA 30° HM

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	H mm	Z mm			
681015301CN	15	33	43	13	42	20	300
681022301CN	22	37	46	16	71	20	100
681028301CN	28	41	48	18	101	10	100
681035301CN	35	37	46	11	148	10	60
681042301CN	42	44	54	14	208	4	40
681054301CN	54	52	63	17	339	2	20
681076301CN	76,1	100	108	55	1004	2	2
681088301CN	88,9	115	123	64	1394	2	2
681108301CN	108	127	136	68	1896	2	2

**681/450 CN**

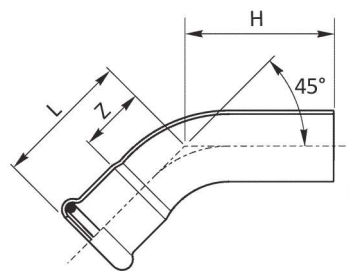
≤54 B 80 81
76÷108 B 80 82

CURVA 45° FF

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	Z mm			
681015450CN	15	27,5	7,5	43	20	300
681018450CN	18	29,5	9,5	54	20	300
681022450CN	22	32	11	72	20	100
681028450CN	28	37	14	97	10	100
681035450CN	35	43,5	17,5	140	10	60
681042450CN	42	51	21	200	4	40
681054450CN	54	62	26,5	302	2	20
681076450CN	76,1	133	78	1004	2	2
681088450CN	88,9	144,5	84,5	1394	2	2
681108450CN	108	169	94	1896	2	2

**681/451 CN**

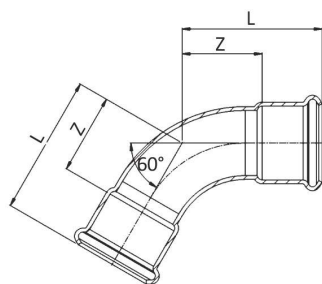
≤54 B 80 81
76÷108 B 80 82

CURVA 45° MF

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	H mm	Z mm			
681015451CN	15	27,5	39,5	7,5	42	20	300
681018451CN	18	29,5	36	9,5	54	20	300
681022451CN	22	32	42	11	71	20	100
681028451CN	28	37	46	14	101	10	100
681035451CN	35	43,5	57,5	17,5	148	10	60
681042451CN	42	51	72	21	208	4	40
681054451CN	54	62	82	26,5	339	2	20
681076451CN	76,1	133	149	78	1004	2	2
681088451CN	88,9	144,5	159,5	84,5	1394	2	2
681108451CN	108	169	184	94	1896	2	2



681/600 CN

≤54 B 80 81

76÷108 B 80 82

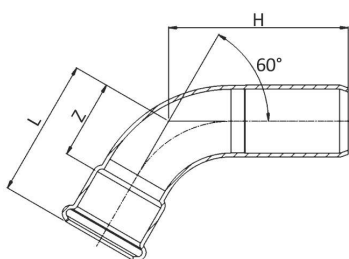
CURVA 60° FF

- 60° ELBOW FF
- BOGEN 60° II
- COUDE FF 60°
- CURVA 60° HH

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	Z mm			
681028600CN	28	42	19	109	10	50
681035600CN	35	71	44	140	5	50
681042600CN	42	82	50	200	2	30
681054600CN	54	82	44	348	2	18
681076600CN	76,1	146,5	91,5	1311	2	2
681088600CN	88,9	162	102	1687	2	2
681108600CN	108	190	115	2440	2	2



681/601 CN

≤54 B 80 81

76÷108 B 80 82

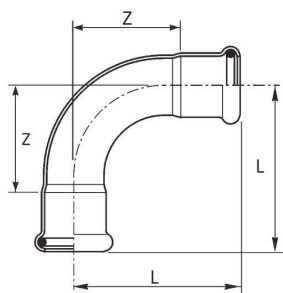
CURVA 60° MF

- 60° ELBOW MF
- BOGEN 60° IA
- COUDE MF 60°
- CURVA 60° HM

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	H mm	Z mm			
681035601CN	35	71	74	50	148	5	50
681042601CN	42	82	86	50	208	2	30
681054601CN	54	82	89	45	339	2	18
681076601CN	76,1	146,5	164	91,5	1313	2	2
681088601CN	88,9	162	177	102	1674	2	2
681108601CN	108	190	205	115	2392	2	2

**681/900 CN**

≤54 B 80 81

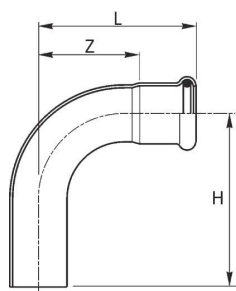
76÷108 B 80 82

CURVA 90° FF

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	Z mm			
681015900CN	15	38	18	51	20	300
681018900CN	18	41,5	21,5	64	20	200
681022900CN	22	47	26	88	10	100
681028900CN	28	56	33	124	10	50
681035900CN	35	68	42	185	5	50
681042900CN	42	80	50	253	2	30
681054900CN	54	100	65	427	2	18
681076900CN	76,1	160	105	1283	2	2
681088900CN	88,9	182	122	1762	2	2
681108900CN	108	220	145	2509	2	2

**681/901 CN**

≤54 B 80 81

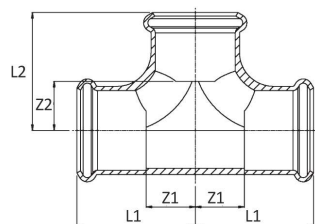
76÷108 B 80 82

CURVA 90° MF

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	H mm	Z mm			
681015901CN	15	38	48	18	51	20	300
681018901CN	18	41,5	48,5	21,5	64	20	200
681022901CN	22	47	57	26	88	10	100
681028901CN	28	56	64	33	124	10	50
681035901CN	35	68	82	42	191	5	50
681042901CN	42	80	101	50	268	2	30
681054901CN	54	100	120	65	422	2	18
681076901CN	76,1	160	177	105	1283	2	2
681088901CN	88,9	182	197	122	1762	2	2
681108901CN	108	220	233	145	2509	2	2



682 CN

≤54 B 80 81

76÷108 B 80 82

“T”

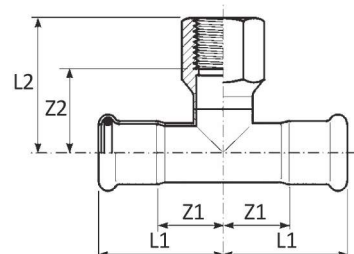
- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
682015000CN*	15	32	32	10,5	10,5	77	20	200
682018000CN*	18	34	34	12,5	12,5	95	20	100
682022000CN*	22	37	37	14,5	14,5	124	10	100
682028000CN*	28	42	42	17,5	17,5	175	10	50
682035000CN*	35	50	50	22,5	22,5	252	4	32
682042000CN*	42	57	57	25,5	25,5	343	4	20
682054000CN*	54	69	69	32,5	32,5	520	2	12
682076000CN	76,1	108	117,5	53	62,5	1422	2	2
682088000CN	88,9	131,5	134,5	71,5	71,5	1712	2	2
682108000CN	108	155	160	80	85	2359	2	2

(*) idroformato - hydroformed - hydrogeformt - hydroformé - hidroformado



689 CN

≤54 B 80 81

76÷108 B 80 82

“T” CON
DERIVAZIONE FILETTO F

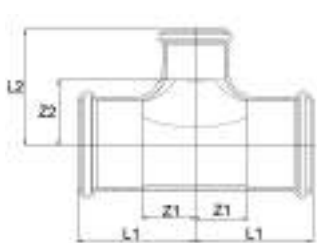
- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689102015CN	15 x 1/2" x 15	34,5	40	13,5	25	100	20	100
689102018CN	18 x 1/2" x 18	36,5	41,5	16,5	26,5	121	20	100
689102022CN	22 x 1/2" x 22	39,5	44	18	29	154	10	100
689304022CN	22 x 3/4" x 22	39,5	47	18	30,5	159	10	100
689102028CN	28 x 1/2" x 28	44	46,5	21	31,5	188	10	50
689304028CN	28 x 3/4" x 28	44	49,5	21	33	206	10	50
689102035CN	35 x 1/2" x 35	51	50	25,5	35	220	5	50
689304035CN	35 x 3/4" x 35	51	53	25,5	36,5	229	5	40
689102042CN	42 x 1/2" x 42	58,5	54	28,5	39	302	4	32
689304042CN	42 x 3/4" x 42	58,5	56,5	28,5	40	309	4	32
689102054CN	54 x 1/2" x 54	69,5	61	34	46	420	2	14
689304054CN	54 x 3/4" x 54	69,5	64	34	47,5	436	2	14
689304076CN	76,1 x 3/4" x 76,1	108	76	53	59,5	1160	2	2
689304088CN	88,9 x 3/4" x 88,9	131,5	83,5	71,5	67	1400	2	2
689304108CN	108 x 3/4" x 108	155	93	80	76,5	1896	2	2

**692 CN**

≤54 B 80 81

76÷108 B 80 82

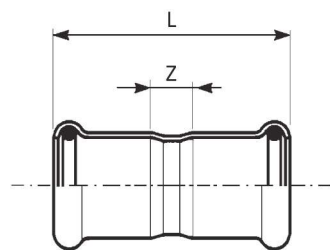
“T” RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
692018015CN*	18 x 15 x 18	34	35	12,5	13,5	89	20	100
692022015CN*	22 x 15 x 22	37	38	16	18	118	10	100
692028015CN*	28 x 15 x 28	42	40,5	17,5	19	157	10	50
692028018CN*	28 x 18 x 28	42	40,5	17,5	19	162	10	50
692028022CN*	28 x 22 x 28	42	41	17,5	20	166	10	50
692035015CN	35 x 15 x 35	51	49	25	29	176	5	50
692035022CN	35 x 22 x 35	51	50,5	25	29,5	186	5	50
692035028CN	35 x 28 x 35	51	53,5	25	30,5	191	5	35
692042022CN	42 x 22 x 42	58,5	54	28	33	264	4	20
692042028CN	42 x 28 x 42	58,5	57	28	34	261	4	20
692042035CN	42 x 35 x 42	58,5	61	28	35	303	4	20
692054022CN	54 x 22 x 54	69,5	61,5	34	40,5	368	2	16
692054028CN	54 x 28 x 54	69,5	65,5	34	41,5	385	2	16
692054035CN	54 x 35 x 54	69,5	68,5	34	42,5	403	2	16
692054042CN	54 x 42 x 54	69,5	72	34	42	419	2	16
692076022CN	76,1 x 22 x 76,1	108	72,5	52	52,5	1110	2	2
692076028CN	76,1 x 28 x 76,1	108	77	52	54	1132	2	2
692076035CN	76,1 x 35 x 76,1	108	80	52	54	1143	2	2
692076042CN	76,1 x 42 x 76,1	108	84	52	54	1165	2	2
692076054CN	76,1 x 54 x 76,1	108	91	52	55	1188	2	2
692088022CN	88,9 x 22 x 88,9	132	81	72	60	1361	2	2
692088028CN	88,9 x 28 x 88,9	132	84	72	61	1366	2	2
692088035CN	88,9 x 35 x 88,9	132	88	72	62	1389	2	2
692088042CN	88,9 x 42 x 88,9	132	91	72	61	1400	2	2
692088054CN	88,9 x 54 x 88,9	132	98	72	63	1428	2	2
692088076CN	88,9 x 76 x 88,9	132	125	72	70	1656	2	2
692108022CN	108 x 22 x 108	155	91	80	70	1857	2	2
692108028CN	108 x 28 x 108	155	94	80	71	1863	2	2
692108035CN	108 x 35 x 108	155	97	80	71	1980	2	2
692108042CN	108 x 42 x 108	155	101	80	71	2080	2	2
692108054CN	108 x 54 x 108	155	107	80	72	2147	2	2
692108076CN	108 x 76,1 x 108	155	135	80	80	2153	2	2
692108088CN	108 x 88,9 x 108	155	144	80	84	2192	2	2

[*] idroformato - hydroformed - hydrogeformt - hydroformé - hidroformado



683/000 CN

≤54 B 80 81

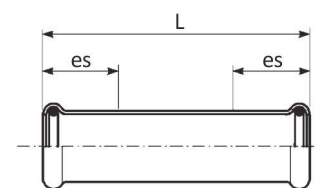
76÷108 B 80 82

MANICOTTO

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: CuNi10Fe1.6Mn
O-RING: FKM verde - green - Grün
 vert - verde

CODE	De mm	L mm	Z mm			
683015000CN	15	49	9	39	20	500
683018000CN	18	50	10	47	20	300
683022000CN	22	52,5	10,5	60	20	200
683028000CN	28	56	10	79	10	150
683035000CN	35	62,5	10,5	108	10	100
683042000CN	42	72	12	152	4	60
683054000CN	54	83	12	221	2	24
683076000CN	76,1	142	32	708	4	4
683088000CN	88,9	165,5	45,5	853	4	4
683108000CN	108	203	53	1305	2	2



683/001 CN

≤54 B 80 81

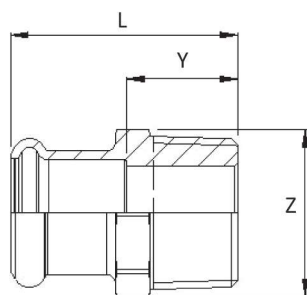
76÷108 B 80 82

MANICOTTO PASSANTE

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: CuNi10Fe1.6Mn
O-RING: FKM verde - green - Grün
 vert - verde

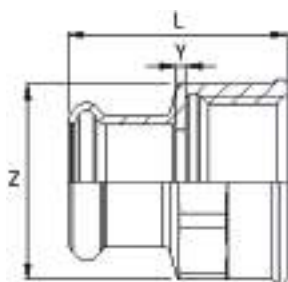
CODE	De mm	L mm	es mm			
683015001CN	15	67,5	25	54	20	200
683018001CN	18	71	25	66	20	200
683022001CN	22	77	25	86	10	100
683028001CN	28	88	30	123	10	50
683035001CN	35	101,5	30	171	4	40
683042001CN	42	117	40	243	2	40
683054001CN	54	138	40	358	2	20
683076001CN	76,1	225	60	1105	2	2
683088001CN	88,9	258	70	1468	2	2
683108001CN	108	305	80	2135	2	2

**687 CN****B 80 81****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm			
687102015CN	15 x 1/2"	36	24	16	58	20	300
687102018CN	18 x 1/2"	37	27	17	58	20	300
687304018CN	18 x 3/4"	38	30	18	73	20	200
687102022CN	22 x 1/2"	38	32	17	72	10	200
687304022CN	22 x 3/4"	39	32	18	80	10	200
687100028CN	28 x 1"	44,5	38	21,5	121	10	100
687114035CN	35 x 1 1/4"	50	46	24	199	5	50
687112042CN	42 x 1 1/2"	54	54	24	244	4	40
687200054CN	54 x 2"	63,5	70	27,5	406	4	32

**690 CN****B 80 81****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün
vert - verde**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
690102015CN	15 x 1/2"	36	30	2	70	20	300
690102018CN	18 x 1/2"	37	30	2	74	20	300
690304018CN	18 x 3/4"	39	34	2	90	10	200
690102022CN	22 x 1/2"	36	32	1	80	20	200
690304022CN	22 x 3/4"	39	34	1,5	87	10	100
690102028CN	28 x 1/2"	39	38	1	115	10	100
690100028CN	28 x 1"	45	43	2,5	148	10	100
690114035CN	35 x 1 1/4"	50	50	2	192	5	50
690112042CN	42 x 1 1/2"	54	60	2	272	4	40
690200054CN	54 x 2"	65	70	3	399	4	20

B 80 81

684/001 CN

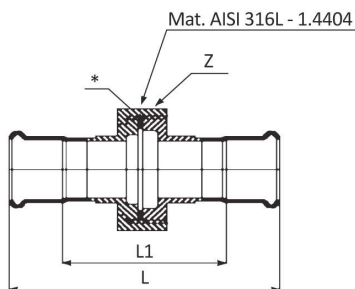
BOCCHETTONE A SEDE PIANA

- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

GASKET: [*]: FKM verde - green - Grün
vert - verde



CODE	De mm	L mm	L1 mm	Z mm	Gasket mm			
684015001CN	15	97	57	34	24x14 thk 3	146	10	100
684018001CN	18	98	58	39	30x20 thk 3	187	10	100
684022001CN	22	100	58	39	30x20 thk 3	194	10	50
684028001CN	28	118	72	58	47,5x37 thk 3	450	5	25
684035001CN	35	128	76	67	56x42 thk 3	617	4	20
684042001CN	42	141	81	77	66x56 thk 3	797	2	20
684054001CN	54	157	86	90	79,5x69 thk 3	1176	2	10

684/002 CN

BOCCHETTONE SEDE PIANA FILETTO M

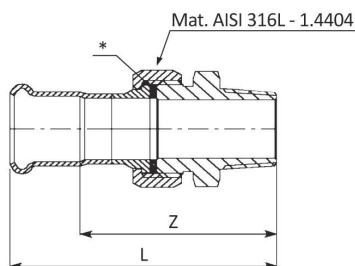
- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

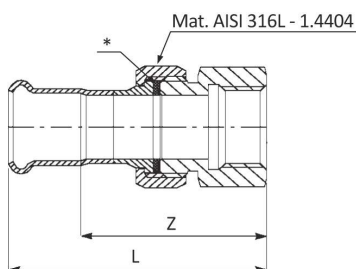
GASKET: [*]: FKM verde - green - Grün
vert - verde

THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
684015002CN	15 x 1/2"	77	57	24x14 thk 3	142	2	160
684018002CN	18 x 1/2"	78	58	24x14 thk 3	144	2	160
684022002CN	22 x 3/4"	81	60	30x20 thk 3	202	2	100
684028002CN	28 x 1"	91	68	39x27 thk 3	364	2	60
684035002CN	35 x 1 1/4"	102	76	44,5x34 thk 3	540	2	40
684042002CN	42 x 1 1/2"	105	75	50,5x40 thk 3	563	2	30
684054002CN	54 x 2"	118	83	65,5x53,5 thk 3	823	2	20

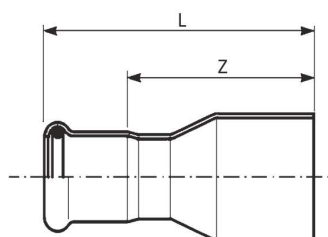
B 80 81

**684/003 CN****BOCCHETTONE SEDE PIANA FILETTO F**

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün vert - verde**GASKET:** [*]: FKM verde - green - Grün vert - verde**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
684015003CN	15 x 1/2"	72	52	24x14 thk 3	140	2	160
684018003CN	18 x 1/2"	72	52	24x14 thk 3	145	2	140
684022003CN	22 x 3/4"	76	55	30x20 thk 3	213	2	100
684028003CN	28 x 1"	84	61	39x27 thk 3	404	2	60
684035003CN	35 x 1 1/4"	94	68	44,5x34 thk 3	486	2	30
684042003CN	42 x 1 1/2"	97	67	50,5x40 thk 3	536	2	30
684054003CN	54 x 2"	116	81	65,5x53,5 thk 3	1091	2	20

**691 CN**

≤54 B 80 81

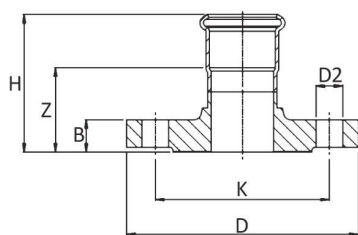
76÷108 B 80 82

RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: CuNi10Fe1.6Mn**O-RING:** FKM verde - green - Grün vert - verde

CODE	De mm	L mm	Z mm			
691018015CN	18 x 15	57	37	43	20	500
691022015CN	22 x 15	64	44	54	20	400
691022018CN	22 x 18	60	40	54	20	300
691028015CN	28 x 15	76,5	56,5	73	20	200
691028022CN	28 x 22	65	44	74	20	200
691035022CN	35 x 22	70	49	91	10	100
691035028CN	35 x 28	71	48	101	10	100
691042022CN	42 x 22	97	76	140	4	80
691042028CN	42 x 28	93	70	145	4	80
691042035CN	42 x 35	81	55	139	4	40
691054028CN	54 x 28	108,5	85,5	204	4	40
691054035CN	54 x 35	108	82	215	4	40
691054042CN	54 x 42	97,5	67,5	216	4	32
691076042CN	76,1 x 42	141	111	489	4	4
691076054CN	76,1 x 54	158	123	593	4	4
691088054CN	88,9 x 54	176	141	763	4	4
691088076CN	88,9 x 76,1	184	129	902	4	4
691108054CN	108 x 54	204	168	1067	2	2
691108076CN	108 x 76,1	206	151	1126	2	2
691108088CN	108 x 88,9	207	147	1229	2	2



693/002 CN

≤54 B 80 81

76÷108 B 80 82

MANICOTTO FLANGIATO

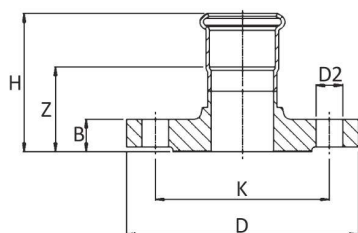
- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

PN 6

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
693015002CN	15	15	53	33	12	80	11	4	55	452	2	20
693018002CN	18	15	53,5	33,5	12	80	11	4	55	452	2	20
693022002CN	22	20	56,5	35,5	14	90	11	4	65	680	2	14
693028002CN	28	25	59,5	36,5	14	100	11	4	75	843	2	10
693035002CN	35	32	63	37	14	120	14	4	90	1206	2	6
693042002CN	42	40	67	37	14	130	14	4	100	1324	2	6
693054002CN	54	50	74	38	14	140	14	4	110	1505	2	4
693076002CN	76,1	65	101	45,5	14	160	14	4	130	2086	2	2
693088002CN	88,9	80	112	52	16	190	18	4	150	3253	2	2
693108002CN	108	100	128	53	16	210	18	4	170	3924	2	2



693/000 CN

≤54 B 80 81

76÷108 B 80 82

MANICOTTO FLANGIATO

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

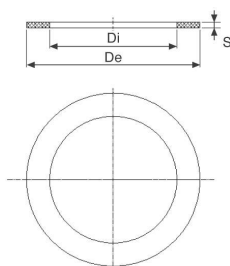
MATERIAL: CuNi10Fe1.6Mn

O-RING: FKM verde - green - Grün
vert - verde

PN 16

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
693015000CN	15	15	55	35	14	95	14	4	65	735	2	20
693018000CN	18	15	55,5	35,5	14	95	14	4	65	735	2	20
693022000CN	22	20	58,5	37,5	16	105	14	4	75	1051	2	14
693028000CN	28	25	61,5	38,5	16	115	14	4	85	1267	2	10
693035000CN	35	32	65,5	39,5	16	140	18	4	100	1828	2	6
693042000CN	42	40	69	39	16	150	18	4	110	2007	2	6
693054000CN	54	50	78	42	18	165	18	4	125	2734	2	4
693076000CN	76,1	65	105	50	18	185	18	4	145	3538	2	2
693088000CN	88,9	80	116	56	20	200	18	8	160	4382	2	2
693108000CN	108	100	132	57	20	220	18	8	180	5230	2	2

R 30 30



434/PN6

GUARNIZIONE ECOLOGICA PER FLANGE

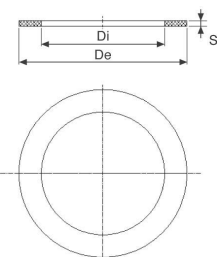
- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

MATERIAL: Sesalit Eco

NORM: EN 1092-1

PN 6

CODE	DN	De mm	Di mm	S mm		
434015006	15 - [1/2"]	44	20	2	4	10
434020006	20 - [3/4"]	54	25	2	6	10
434025006	25 - [1"]	64	30	2	9	10
434032006	32 - [1 1/4"]	75	38	2	11	10
434040006	40 - [1 1/2"]	85	45	2	14	10
434050006	50 - [2"]	95	57	2	15	10
434065006	65 - [2 1/2"]	115	76	2	19	10
434080006	80 - [3"]	132	89	2	26	10
434100006	100 - [4"]	152	108	2	29	10



434/PN10-16

R 30 30

GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

MATERIAL: Sesalit Eco

NORM: EN 1092-1

PN
10/16

CODE	DN	De mm	Di mm	S mm		
434015000	15 - [1/2"]	50	20	2	6	10
434020000	20 - [3/4"]	60	25	2	8	10
434025000	25 - [1"]	70	30	2	10	10
434032000	32 - [1 1/4"]	82	38	2	14	10
434040000	40 - [1 1/2"]	92	45	2	17	10
434050000	50 - [2"]	108	57	2	22	10
434065000	65 - [2 1/2"]	127	76	2	27	10
434080000	80 - [3"]	142	89	2	30	10
434100000	100 - [4"]	162	108	2	38	10

Sesalit ECO: fibre organiche e sintetiche legate con gomma NBR/SBR esente amianto**IMPIEGHI:** Acqua calda e fredda, olii vegetali ed animali, aria, alcuni carburanti (no GAS)**LIMITI DI TEMPERATURA ORIENTATIVI**

Temperatura massima per brevi esposizioni: 180°-200° C

Temperatura massima di esercizio continuo per fluidi non aggressivi: 140° C

Temperatura massima di esercizio continuo con vapore: 110° C

Temperatura minima di esercizio -40°C

OMOLOGAZIONI: acqua potabile WRAS n° 240155028**Sesalit ECO:** organic and synthetic fibers bonded with NBR/SBR asbestos-free**USES:** hot and cold water, vegetable and animal oils, air, some fuels (no GAS)**GUIDELINE TEMPERATURE LIMITS**

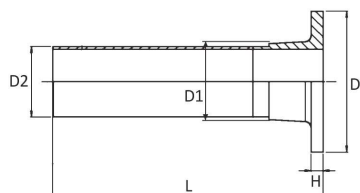
Maximum temperature for short exposure: 180°-200° C

Maximum operating temperature for continuous non-aggressive fluids: 140° C

Maximum temperature for continuous operation with steam: 110° C

Minimum operating temperature -40°C

APPROVAL: potable water WRAS n° 240155028



693/004 CN

≤54 B 80 81
76÷108 B 80 82

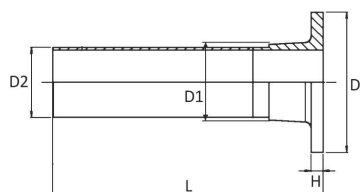
BOCCELLO PER FLANGE LIBERE

- COLLAR FOR LOOSE FLANGES
- AUSSEN FÜR LOSE-FLANSCH
- SORTIE A BRIDE POUR BRIDE TOURNANTE
- TRONCO EMBRIDADO PARA BRIDA LOCA

MATERIAL: CuNi10Fe1.6Mn

PN 6

CODE	De mm	L mm	D mm	D1 mm	D2 mm	H mm			
693022004CN	22	135	50	27	22	5	160	1	14
693028004CN	28	135	60	32	28	5	260	1	14
693035004CN	35	135	70	40	35	5	340	1	14
693042004CN	42	135	80	46	42	6	450	1	14
693054004CN	54	135	90	59	54	6	560	1	14
693076004CN	76,1	135	110	78	76,1	6	850	1	12
693088004CN	88,9	135	128	91	88,9	7	1200	1	6
693108004CN	108	135	148	110	108	7	1540	1	2



693/003 CN

≤54 B 80 81
76÷108 B 80 82

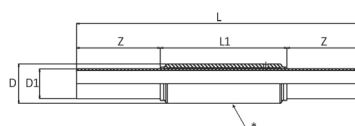
BOCCELLO PER FLANGE LIBERE

- COLLAR FOR LOOSE FLANGES
- AUSSEN FÜR LOSE-FLANSCH
- SORTIE A BRIDE POUR BRIDE TOURNANTE
- TRONCO EMBRIDADO PARA BRIDA LOCA

MATERIAL: CuNi10Fe1.6Mn

PN 16

CODE	De mm	L mm	D mm	D1 mm	D2 mm	H mm			
693022003CN	22	135	58	27	22	5	190	1	14
693028003CN	28	135	68	32	28	5	300	1	14
693035003CN	35	135	78	40	35	5	380	1	14
693042003CN	42	135	88	46	42	6	510	1	14
693054003CN	54	135	102	59	54	6	650	1	14
693076003CN	76,1	135	122	78	76,1	6	970	1	4
693088003CN	88,9	135	138	91	88,9	7	1240	1	4
693108003CN	108	135	158	110	108	7	1690	1	2

**679/001 CN**

≤54 B 80 81

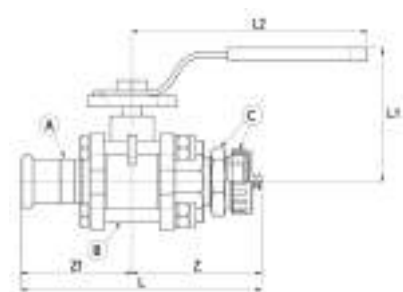
76÷108 B 80 82

PASSAGGIO STAGNO

- DECK / BULKHEAD PENETRATION
- WANDDURCHFÜHRUNG
- PASSAGE ÉTANCHE
- PASAJE ESTAÑO

MATERIAL: CuNi10Fe1.6Mn**NOTE:** [*]: S235JR [Fe 360]

CODE	De mm	L mm	L1 mm	Z mm	D mm	D1 mm			
679015001CN	15	450	120	165	25	15	513	1	65
679018001CN	18	450	120	165	30	18	693	1	65
679022001CN	22	450	120	165	33	22	782	1	50
679028001CN	28	450	120	165	37	28	865	1	45
679035001CN	35	450	120	165	43,5	35	1044	1	40
679042001CN	42	450	120	165	53	42	1440	1	32
679054001CN	54	450	120	165	69	54	2192	1	18
679076001CN	76,1	450	120	165	88,5	76,1	3167	1	8
679088001CN	88,9	450	120	165	107	88,9	4551	1	8
679108001CN	108	450	120	165	131,5	108	6337	1	6

**695/008 CN**

B 80 81

VALVOLA A SFERA CON PRESA MANICHETTA

- BALL VALVE WITH HOSE CONNECTION
- KUGELHAHN MIT SCHLAUCHANSCHLUSS
- BOISSEAU SPHERIQUE AVEC RACCORD DETUYAU
- VÁLVULA DE BOLA CON CONEXIÓN DELA MANGUERA

MATERIAL: A: CuNi10Fe1.6Mn

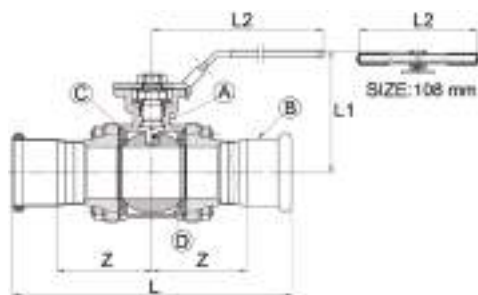
B: AISI 316L - 1.4404

C: ottone - brass - Messing - laiton

- latón

O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	L mm	L1 mm	L2 mm	Z mm	Z1 mm			
695022008CN	22 x 1"	136,5	80	151	73	63,5	1332	1	10



695/003 CN

≤54 B 80 81
76÷108 B 80 82

VALVOLA A SFERA 3 PZ PASSAGGIO TOTALE LUCCHETTABILE

- 3-PC BALL VALVE WITH FULL PORT
- KUGELHAHN 3-TEILIG MIT VOLLEM DURCHGANG
- BOISSEAU SPHERIQUE 3 PCS PASSAGE INTÉGRAL
- VÁLVULA DE BOLA TRES PIEZAS POSO TOTAL

MATERIAL: A-D: AISI 316L/1.4404

B: CuNi10Fe1.6Mn C: PTFE

O-RING: FKM verde - green - Grün
vert - verde

NORM: flangia attuatore / flange for actuator
Flansch für Stellantrieb / bride pour
actuateur / brida actuador ISO 5211

CODE	De mm	DN	DN inch	L mm	Z mm	L1 mm	L2 mm			
695015003CN	15	10	3/8"	122	41	72	151	726	1	10
695018003CN	18	15	1/2"	123	41,5	72	151	750	1	10
695022003CN	22	20	3/4"	127	42,5	80	151	1024	1	10
695028003CN	28	25	1"	145	49,5	90	179	1550	1	5
695035003CN	35	32	1" 1/4	170	59	95	179	2395	1	5
695042003CN	42	40	1" 1/2	197	68,5	104	198	3334	1	5
695054003CN	54	50	2"	220	75	110	198	4694	1	2
695076003CN	76,1	65	2" 1/2	308	99	150	270	9648	1	1
695088003CN	88,9	80	3"	362	121	159	270	13242	1	1
695108003CN*	108	100	4"	422	136	210	405	26250	1	1

(*) DN 108 con tubo maniglia, with pipe handle, mit Rohrgriff, avec tube-poignée, con mango de tubo

Le condizioni stampigliate sono relative al corpo della valvola. La pressione massima di lavoro delle valvole art. 695/003 CN= 16 bar

The marked pressure's conditions are related to the body of the valve. Maximum working pressure for pressfitting valve art. 695/003 CN= 16 bar

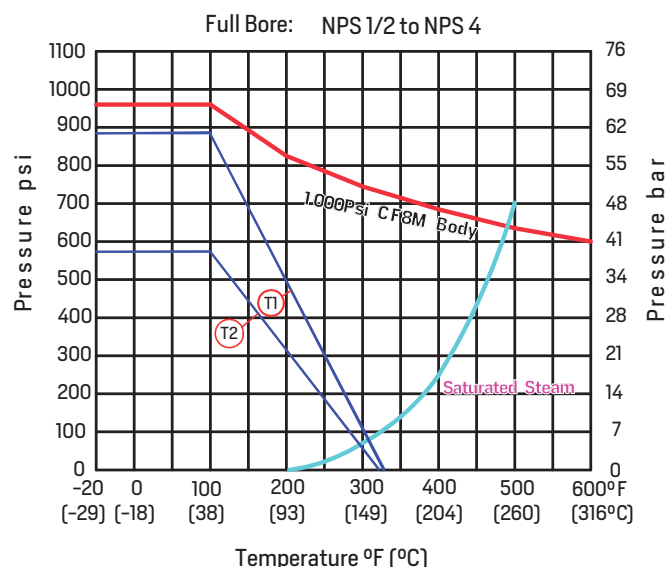
Die markierte Konditionen der Pressfitting entsprechen den Kugelhahnkoerper. Maximaler Arbeitsbetriebsdruck für Kugelhahn 695/003 CN= 16 bar

Les conditions de pressions indiquées sur la presse vannes correspondent au corps de vanne. Pression de service maximale vannes 695/003 CN= 16 bar

Condiciones de presión marcadas están relacionadas con el cuerpo de la válvula. La presión máxima de trabajo de las válvulas art. 695/003 CN= 16 bar

CORPO VALVOLA / VALVE BODY

Pressure - Temperature Data FLOATING BALL VALVES 1000 psi



Seat Materials :

T1 PTFE DN 15 - 32

T2 PTFE DN 40 - 100

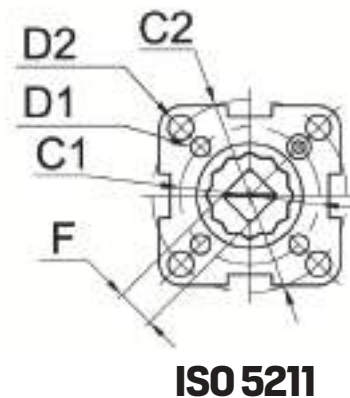
CV	KV
US gallon/min	m³/h
N/A	N/A
18	15
36	31
48	41
93	80
165	141
207	177
450	386
780	668
1360	1165

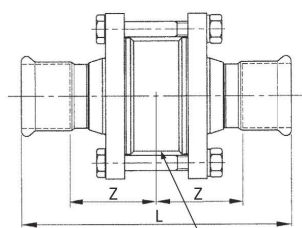
1 Kv = 0,86 Cv

695/003 CN – Valvola a sfera 3 pz passaggio totale lucchettabile – 3 PC ball valve with full port Kugelhahn 3-Teilig mit vollem Durchgang – Boisseau spherique 3 pcs passage intégral – Válvula de bola tres piezas paso total

Dimensioni della flangia per attuatore / Flange for actuator dimensions / Abmessungen der Flansch für Stellantrieb / Dimensions de la bride pour actuateur
Dimensiones de la brida del actuador.

De mm	DN inch	Flange type	C1 mm	C2 mm	D1 mm	D2 mm	F mm
15	3/8"	F03-F04	36	42	6	6	9
18	1/2"	F03-F04	36	42	6	6	9
22	3/4"	F03-F05	36	50	6	7	9
28	1"	F04-F05	42	50	6	7	11
35	1"1/4	F04-F07	42	70	6	9	11
42	1"1/2	F05-F07	50	70	7	9	14
54	2"	F05-F07	50	70	7	9	14
76,1	2"1/2	F07-F10	70	102	9	11	17
88,9	3"	F07-F10	70	102	9	11	17
108	4"	F10	-	102	-	11	22





Mat. AISI 316L - 1.4404



695/004 CN

≤54 B 80 81
76±108 B 80 82

VALVOLA DI RITEGNO

- NON-RETURN VALVE
- RÜCKSCHLAGVENTIL
- CLAPET ANTI-RETOUR
- VÁLVULA DE RETENCIÓN

MATERIAL: CuNi10Fe1.6Mn (corpo/body AISI 316L - 1.4404)

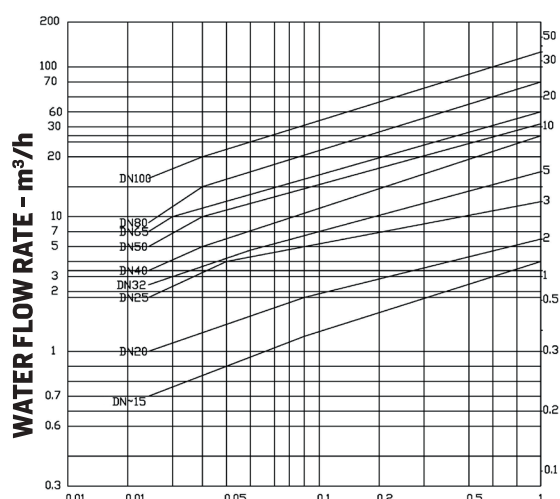
O-RING: FKM verde - green - Grün
vert - verde

CODE	De mm	DN	L mm	Z mm			
695015004CN	15	15	113	36,5	443	1	10
695018004CN	18	15	113	37	554	1	10
695022004CN	22	20	121	39,5	614	1	10
695028004CN	28	25	138	46	828	1	10
695035004CN	35	32	158	53	1324	1	10
695042004CN	42	40	180	60	1832	1	6
695054004CN	54	50	199	64,5	2676	1	2
695076004CN	76,1	65	269	79,5	5442	1	1
695088004CN	88,9	80	303	91,5	8466	1	1
695108004CN	108	100	370	110	14640	1	1

Le condizioni stampigliate sono relative al corpo della valvola. La pressione massima di lavoro delle valvole art. 695/004 CN = 16 bar
The marked pressure's conditions are related to the body of the valve. Maximum working pressure for pressfitting valve art. 695/004 CN = 16 bar
Die markierte Konditionen der Pressfitting entsprechend den Kugelhahnkoerper. Maximaler Arbeitsbetriebsdruck für Kugelhahn 695/004 CN = 16 bar
Les conditions de pressions indiquées sur la presse vannes correspondent au corps de vanne. Pression de service maximale vannes 695/004 CN = 16 bar
Condiciones de presión marcadas están relacionadas con el cuerpo de la válvula. La presión máxima de trabajo de las válvulas art. 695/004 CN = 16 bar

CORPO VALVOLA / VALVE BODY

DIAGRAMMA PERDITA DI CARICO
PRESSURE LOSS DIAGRAM



DN15-DN100 PRESSURE LOSS - bar

CV / KV PER VALVOLA DI RITEGNO CV / KV FOR NON-RETURN VALVE				DIREZIONE DI FLUSSO FLOW DIRECTION		
DE	DN DN inch	CV US gallon/min	KV m³/h	↑	↓	→
				Pressione di apertura Opening pressure (mbar)		
15	15 - 1/2"	4,1	3,5	25	21	23
18	15 - 1/2"	4,1	3,5	25	21	23
22	20 - 3/4"	5,1	4,4	25	21	23
28	25 - 1"	14	12	25	21	23
35	32 - 1 1/4"	23,3	20	27	21	24
42	40 - 1 1/2"	30,3	26	29	21	25
54	50 - 2"	37,3	32	29	21	25
76,1	65 - 2 1/2"	70	60	31	21	25
88,9	80 - 3"	81,7	70	32	21	26
108	100 - 4"	140	120	33	21	27

NOTE

Cv = flusso di acqua (a 60°F) in gpm (galloni al minuto) con una pressione differenziale (caduta di pressione) di 1 psi.

Kv = flusso di acqua (tra 5° e 40°) m³/h, con una pressione differenziale (caduta di pressione) di 1 bar.

(1 Kv = 0,86 Cv)



B 50 51



Klauke MAP219 BT MINI (ø 12÷35 mm)

PRESSATRICE CON BATTERIA, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH BATTERY, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLADEGERAT UND KOFFER
- SERTISSEUSE A BATTERIE AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery		
196001018	[*] 220-240 V 50-60 Hz	[*] Europe (CEE 7/16 charge battery)	Nº 1 (18V / 1,5Ah)	6,12	1

B 50 51



Klauke UAP332 BT (ø 12÷54 mm) i-press

PRESSATRICE CON BATTERIA, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH BATTERY, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLADEGERAT UND KOFFER
- SERTISSEUSE A BATTERIE AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery		
196001019	[*] 220-240 V 50-60 Hz	[*] Europe (CEE 7/16 charge battery)	Nº 2 (18V / 4,0Ah)	8,86	1

B 50 51



Klauke UAP432 BT ($\varnothing$ 12÷54 mm PN16 $\varnothing$ 76÷108 mm PN10) i-press

PRESSATRICE CON BATTERIA, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH BATTERY, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLLEADERGERÄT UND KOFFER
- SERTISSEUSE A BATTERIE AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery	kg	
196001020	[*] 220-240 V 50-60 Hz	[*] Europe (CEE 7/16 charge battery) (CEE 7/17 main adapter)	N° 2 (18V / 4,0Ah)	11,04	1

B 50 51



Klauke UAP100120 BT ($\varnothing$ 76÷108 mm King size) i-press

PRESSATRICE CON BATTERIA, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH BATTERY, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLLEADERGERÄT UND KOFFER
- SERTISSEUSE A BATTERIE AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery	kg	
196001021	[*] 220-240 V 50-60 Hz	[*] Europe (CEE 7/16 charge battery) (CEE 7/17 main adapter)	N° 2 (18V / 4,0Ah)	23,6	1
196001009V **	-	-	-	10	1

[**] Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía

B 50 51



Klauke EHP2/SANB ($\varnothing$ 76÷108 mm King size)

GRUPPO POMPA IDRAULICA ELETTRICO

- ELECTRIC HYDRAULIC PUMP
- ELEKTRISCHEBETRIEBENES ANTRIEBSAGGREGAT
- GROUPE HYDRAULIQUE MOBILE POUR SERTIR
- UNIDAD DE ACCIONAMIENTO ELÉCTRICO

NOTE: Tensione/voltage 220-240 V / 50-60 Hz

CODE	Voltage	Plug	kg	
196000000I	220-240 V / 50-60 Hz	CEE industrial 2P+G	69	1

**Klauke AHP700LS****B 50 51****GRUPPO POMPA IDRAULICA A BATTERIA**

- BATTERY HYDRAULIC PUMP
- AKKUBETRIEBENES ANTRIEBSAGGREGAT
- GROUPE HYDRAULIQUE MOBILE POUR SERTIR
- UNIDAD DE ACCIONAMIENTO A PILAS

CODE	Voltage	Plug	Battery		
196001012	220-240 V 50-60 Hz	Europe (CEE 7/16 charge battery)	N° 2 (18V / 4,0Ah)	9,8	1

**Klauke PKUAP3 (ø 12÷54 mm)
per/for AHP700LS****B 50 51****TESTA DI PRESSATRICE**

- PRESSING HEAD
- PRESSKÖPFE
- TÊTE DE SERTISSEUSE
- CABEZA DE AKKU-MÁQUINA

CODE		
196001013	2,5	1

**Klauke PKUAP4 (ø 12÷54 mm PN16)
(ø 76,1÷108 mm PN10) per/for AHP700LS****B 50 51****TESTA DI PRESSATRICE**

- PRESSING HEAD
- PRESSKÖPFE
- TÊTE DE SERTISSEUSE
- CABEZA DE AKKU-MÁQUINA

CODE		
196001017	3,07	1

**Klauke PK100AHP (ø 76÷108 mm King size)
per/for AHP700LS****B 50 51****TESTA DI PRESSATRICE**

- PRESSING HEAD
- PRESSKÖPFE
- TÊTE DE SERTISSEUSE
- CABEZA DE AKKU-MÁQUINA

CODE		
196001014	10,4	1



Klauke AHP700LS

B 50 51

TUBO FLESSIBILE ALTA PRESSIONE L=4 M

- HIGH PRESSURE HOSE L=4 M
- HOCHDRUCKSCHLAUCH L=4 M
- TUYAU À HAUTE PRESSION L=4 M
- MANGUERA DE ALTA PRESIÓN L=4 M

CODE	kg	
196001015	2,3	1



Klauke HPU2EX (ø 12÷54 mm)

B 50 51

PRESSATRICE MANUALE

- MANUAL HYDRAULIC PRESSING
- MANUELLES HYDRAULISCHES PRESSWERKZEUG
- SERTISSEUSE MANUELLE
- MÁQUINA MANUAL

CODE	kg	
196001016	3,1	1



Klauke MAP219

B 50 51

GANASCIA PER PRESSATRICE

- JAW
- PRESSBACKE
- MACHOIRE
- MORDAZA PINZA



CODE	De mm	kg	
196012002	12	1,3	1
196015002	15	1,3	1
196018002	18	1,3	1
196022002	22	1,4	1
196028002	28	1,4	1
196035002	35	1,6	1



Klauke UNP2 - UAP2 - UAP3L/432 UAP4L/432 - PKUAP3L

B 50 51

GANASCIA PER PRESSATRICE

- JAW
- PRESSBACKE
- MACHOIRE
- MORDAZA PINZA



CODE	De mm	kg	
196012000	12	1,9	1
196015000	15	1,9	1
196018000	18	1,9	1
196022000	22	2	1
196028000	28	2,1	1
196035000	35	2,1	1



Klauke UNP2 - UAP2 UAP3L/332 - UAP4L/432

VALIGIA PER GANASCE Ø 15÷35

- CASE FOR JAWS Ø 15÷35
- LEER KOFFER FÜR PRESSBACKEN Ø 15÷35
- COFFRET POUR MACHOIRES Ø 15÷35
- CAJA PARA MORZADAS Ø 15÷35

B 50 51

CODE	De mm	kg	
196015035K	15 - 35	13,2	1
196015035KV*	15 - 35	6,29	1

(*) Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



Klauke UNP2 - UAP2 - UAP3L/332 UAP4L/432 - PKUAP3

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

B 50 51

CODE	De mm	kg	
196042004	42	1,9	1
196054004	54	1,75	1



Klauke Ø 42÷54 mm

ADATTATORE PER CATENE

- ADAPTER FOR COLLARS
- ZWISCHENBACKE FÜR PRESSSCHLINGEN
- ADAPTEUR POUR MACHOIRES
- ADAPTADOR PARA MORDAZAS

B 50 51

CODE	De mm	kg	
196042054	42 - 54	1,7	1



Klauke UAP4L/432 (PN10)

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

B 50 51

CODE	De mm	kg	
196076001	76,1	9,9	1
196088001	88,9	9,7	1
196108001	108	10,4	1



Klauke UAP4L/432 ø 76÷108 mm (PN10)

B 50 51

ADATTATORE PER CATENE

- ADAPTER FOR COLLARS
- ZWISCHENBACKE FÜR PRESSSCHLINGEN
- ADAPTEUR POUR MACHOIRES
- ADAPTADOR PARA MORDAZAS

CODE	De mm	kg	
196076108	76,1 - 108	4,4	1



Klauke UAP100 - UAP100L/100120 PK100AHP (ø 76÷108 King size)

B 50 51

ADATTATORE PER CATENE

- ADAPTER FOR COLLARS
- ZWISCHENBACKE FÜR PRESSSCHLINGEN
- ADAPTEUR POUR MACHOIRES
- ADAPTADOR PARA MORDAZAS

CODE	De mm	kg	
196076000	76,1	13	1
196088000	88,9	13	1
196108000	108	15	1



Klauke UNP2 - UAP3L/332 UAP4L/432 (ø 42÷54 mm)

B 50 51

VALIGIA PER CATENE ø 42÷54 + ADATTATORE

- CASE FOR PRESSING COLLARS ø 42÷54 + ADAPTER
- LEER KOFFER FÜR PRESS SCHLINGEN ø 42÷54 + ZWISCHENBACKE
- COFFRET POUR CHAÎNES ø 42÷54 + ADAPTEUR
- CAJA PARA CADENA ø 42÷54 + ADAPTADOR

CODE	De mm	kg	
196042054KF	42 - 54	10,9	1
196042054K*	42 - 54	3,9	1

(*) Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



RA5 (12 V / 3,0 Ah) Klauke UAP2 - UAP100

B 50 51

BATTERIA

- BATTERY
- AKKU
- BATTERIE
- ACCUMULADOR

CODE		
196002000	0,7	1



NG2 (18 V) Klauke UAP3L/332 - UAP4L/432 - UAP100L/100120

B 50 51

CAVO ELETTRICO CON ADATTATORE UNIVERSALE

- MAIN SUPPLY CIRCUIT
- SCHALTNETZTEIL
- BLOC D'ALIMENTATION
- ALIMENTADOR A LA RED

CODE	Voltage	Plug		
196004001	220-240 V / 50-60 Hz	Europe (CEE 7/17)	0,9	1



Klauke MAP2L/219 - UAP3L/332 UAP4L/432 - UAP100L/100120

B 50 51

BATTERIA

- BATTERY
- AKKU
- BATTERIE
- ACCUMULADOR

CODE	Version		
196002001	RAL2 (18 V / 3,0 Ah)	0,7	1
196002011	RAL40 (18 V / 4,0 Ah)	0,7	1



LGL1 Klauke UAP3L/332 - UAP4L/432 - UAP100L/100120

B 50 51

CARICABATTERIA

- FAST CHARGER
- SCHNELL-LADEGERÄT
- CHARGEUR
- CARGADOR RÁPIDO

CODE	Voltage	Plug		
196003001	220-240 V / 50-60 Hz	Europe (CEE 7/16)	1,3	1

B 50 51

Novopress ECO 203 (ø 12÷54 mm)



PRESSATRICE ELETTROIDRAULICA CON VALIGIA

- ELECTROHYDRAULIC PRESSING MACHINE WITH CASE
- ELEKTROHYDRAULISCHES PRESSGERÄT MIT KOFFER
- SERTISSEUSE ELECTROHYDRAULIQUE AVEC COFFRET
- MÁQUINA ELECTROHIDRÁULICA CON CAJA

CODE	Voltage	Plug	kg	
196000013	220-240 V / 50-60 Hz	Europe (CEE 7/17)	7,9	1
196000015	110-120 V / 50-60 Hz	Great Britain (BS 1363)	7,9	1

B 50 51

Novopress ACO 203 BT (ø 12÷54 mm)



PRESSATRICE CON BATTERIA, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH BATTERY, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLADGERAT UND KOFFER
- SERTISSEUSE A BATTERIE AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery	kg	
196000021	(*) 220-240 V / 50-60 Hz	(*) Europe (CEE 7/16)	Nº 1 (18V / 2,0Ah)	8,0	1
196000025	(*) 110-120 V / 50-60 Hz	(*) USA / Canada (NEMA 1-15)	Nº 1 (18V / 2,0Ah)	8,1	1

B 50 51

Novopress ACO 203 XL BT (ø 12÷54 mm PN16 / ø 76÷108 mm PN10)



PRESSATRICE CON 2 BATTERIE, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH 2 BATTERIES, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLADGERAT UND KOFFER
- SERTISSEUSE A BATTERIE (2) AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery	kg	
196000024	(*) 220-240 V / 50-60 Hz	(*) Europe (CEE 7/16)	Nº 2 (18V / 5,0Ah)	10	1

B 50 51

Novopress ACO 403 BT (ø 76÷168 mm)



PRESSATRICE CON 2 BATTERIE, CARICA BATTERIA E VALIGIA

- PRESSING MACHINE WITH 2 BATTERIES, CHARGER AND CASE
- AKKU- PRESSGERÄT MIT SCHNELLADGERAT UND KOFFER
- SERTISSEUSE A BATTERIE (2) AVEC CHARGEUR ET COFFRET
- AKKU-MÁQUINA CON CARGADOR RÁPIDO Y CAJA

NOTE: New model (Bluetooth technology)

CODE	Voltage	Plug	Battery	kg	
196000023	(*) 220-240 V / 50-60 Hz	(*) Europe (CEE 7/16)	Nº 2 (18V / 5,0Ah)	20,4	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

GANASCIA PER PRESSATRICE

- JAW
- PRESSBACKE
- MACHOIRE
- MORDAZA PINZA

CODE	De mm	kg	
19601200N	12	1,9	1
19601500N	15	1,9	1
19601800N	18	1,9	1
19602200N	22	2	1
19602800N	28	2	1
19603500N	35	2	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

VALIGIA PER GANASCE Ø 15÷35

- CASE FOR JAWS Ø 15÷35
- LEER KOFFER FÜR PRESSBACKEN Ø 15÷35
- COFFRET POUR MACHOIRES Ø 15÷35
- CAJA PARA MORZADAS Ø 15÷35

CODE	De mm	kg	
196015035N	15 - 35	12,6	1
196015035NV*	15 - 35	2,8	1

[*] Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203X

B 50 51

CATENA SNAP-ON

- PIVOTING RING
- SCHWENKBARE PRESSRINGE
- ANNEAUX DE SERTISSAGE
- ANILLO DE PRENSAR

CODE	De mm	kg	
19601502N	15	0,501	1
19601802N	18	0,541	1
19602202N	22	0,601	1
19602802N	28	0,410	1
19603502N	35	0,510	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

CATENA SNAP-ON

- PIVOTING RING
- SCHWENKBARE PRESSRINGE
- ANNEAUX DE SERTISSAGE
- ANILLO DE PRENSAR

CODE	De mm	kg	
196153502N	15 - 35	1,94	1



Novopress EFP 2 - EFP/AFP 201-202 ECO/ACO 202-203 - ACO 203XL - EC0301

B 50 51

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

CODE	De mm	kg	
19604200N	42	1,6	1
19605400N	54	2,6	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

ADATTATORE PER CATENE ZB203

- ADAPTER FOR COLLARS ZB203
- ZWISCHENBACKE FÜR PRESSSCHLINGEN ZB203
- ADAPTEUR POUR MACHOIRES ZB203
- ADAPTADOR PARA MORDAZAS ZB203

CODE	De mm	kg	
196042054N	42 - 54	2,3	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

VALIGIA PER CATENE Ø 42÷54 + ADATTATORE ZB203

- CASE FOR PRESSING COLLARS Ø 42÷54 + ADAPTER ZB203
- LEER KOFFER FÜR PRESS SCHLINGEN Ø 42÷54 + ZWISCHENBACKE ZB203
- COFFRET POUR CHAÎNES Ø 42÷54 + ADAPTEUR ZB203
- CAJA PARA CADENA Ø 42÷54 + ADAPTADOR ZB203

CODE	De mm	kg	
196042054VN	42 - 54	8	1
196042054V*	42 - 54	2,8	1

(*) Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



Novopress ACO 203 XL - ECO 301 (ϕ 76÷108 mm PN10)

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

B 50 51

CODE	De mm	kg	
196076003	76,1	4,4	1
196088003	88,9	4,8	1
196108003	108	6	1



Adattatore ZB 221 per catene ϕ 76,1-88,9-108/1 ACO 203 XL (PN10)

ADATTATORE PER CATENE

- ADAPTER FOR COLLARS
- ZWISCHENBACKE FÜR PRESSSCHLINGEN
- ADAPTEUR POUR MACHOIRES
- ADAPTADOR PARA MORDAZAS

B 50 51

CODE	De mm	kg	
196076108N*	76,1 - 88,9 - 108 [1°]	4,7	1

[*] Per pressatura preliminare diametro 108 mm; il giunto DN 108 mm deve essere pressato una seconda volta con adattatore codice 196000108N.
Preliminary pressing for diameter 108 mm; DN 108 mm joint must be pressed a second time with adapter item 196000108N.



Adattatore ZB 222 per catena ϕ 108/2 ACO 203 XL (PN10)

ADATTATORE PER CATENE

- ADAPTER FOR COLLARS
- ZWISCHENBACKE FÜR PRESSSCHLINGEN
- ADAPTEUR POUR MACHOIRES
- ADAPTADOR PARA MORDAZAS

B 50 51

CODE	De mm	kg	
196000108N	108 [2°]	5,2	1



Novopress ACO 203 XL (PN10) Novopress ZB 221 / ZB 222 per catene ϕ 76-108

SET ADATTATORI ZB221/ZB222

- ADAPTERS SET ZB221/ZB222
- ADAPTER SET ZB221/ZB222
- SET DES ADAPTATEURS ZB221/ZB222
- SET DE ADAPTADORES ZB221/ZB222

B 50 51

CODE	kg	
196000019	13	1
196000000VN*	3,1	1

[*] Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



Novopress ACO 401/403 (ø 76÷108 King size)

B 50 51

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

CODE	De mm	kg	
196076002	76,1	6	1
196088002	88,9	8	1
196108002	108	9	1
196076108NV*	76÷108	1,4	1

NEW

(*) Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



Novopress ACO 401/403 (ø 139÷168 Over size)

B 50 51

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

CODE	De mm	kg	
196139002	139,7	14,4	1
196168002	168,3	19,7	1
196139168NV*	139÷168	3	1

NEW

(*) Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



B 50 51

Novopress ACO 202/203 - ACO 401/403

CARICABATTERIA

- FAST CHARGER
- SCHNELL-LADEGERÄT
- CHARGEUR
- CARGADOR RÁPIDO



CODE	Voltage	Plug		
19600300N	220-240 V / 50-60 Hz	Europe (CEE 7/16)	0,97	1

B 50 51

Novopress - Akku

BATTERIA

- BATTERY
- AKKU
- BATTERIE
- ACCUMULADOR



CODE	Version		
19600204N	18 V / 2,0 Ah Li • ACO 202/203/401/403	0,5	1
19600205N	18 V / 5,0 Ah Li • ACO 202/203/401/403	0,9	1

B 50 51



116/1

TAGLIATUBI MANUALE

- PIPE CUTTER
- ROHRSCNEIDER
- COUPE-TUBES
- CORTATUBO

CODE	De mm		
116000011	6 ÷ 60	0,350	1

B 50 51



116/2

ROTELLA TAGLIATUBI

- CUTTING WHEEL
- SCHNEIDRAD FÜR ROHRSCNEIDER
- MOLETTE POUR COUPE-TUBES
- CUCHILLA

CODE	Version	De mm		
116000012	For pipe cutter code / Per tagliatubi codice 116000011	6 ÷ 60	38	1

B 50 51



116/0 (ø 12÷54 mm)

SBAVATORE UNIVERSALE TUBI

- PIPE DEBURRER
- ENTGRATER
- EBAVUREUR DE TUBE
- DESBARBADOR

CODE	De mm		
116000000	10 ÷ 54	612	1

B 50 51



116/3 (ø 76÷108 mm)

SBAVATORE UNIVERSALE TUBI

- PIPE DEBURRER
- ENTGRATER
- EBAVUREUR DE TUBE
- DESBARBADOR

CODE	De mm		
116000003	63 ÷ 110	1942	1



B 50 51

**116/18****TAGLIATUBI ELETTRICO - CENTO**

- ELECTRIC PIPE CUTTER - CENTO
- ELEKTRISCH ROHRSCHEIDER - CENTO
- ÉLECTRIQUE COUPE-TUBES - CENTO
- CORTATUBO ELÉCTRICO - CENTO

NOTE: Esclusa rotella - wheel excluded - Schneidrad separat
molette exclue - cuchilla excluida

CODE	De mm	kg	
116000018	12 ÷ 108	19,070	1

B 50 51

**116/28****TAGLIATUBI ELETTRICO - DUECENTO**

- ELECTRIC PIPE CUTTER - DUECENTO
- ELEKTRISCH ROHRSCHEIDER - DUECENTO
- ÉLECTRIQUE COUPE-TUBES - DUECENTO
- CORTATUBO ELÉCTRICO - DUECENTO

NOTE: Esclusa rotella - wheel excluded - Schneidrad separat
molette exclue - cuchilla excluida

CODE	De mm	kg	
116000028	tubo/pipe Ø 100 ÷ 225 mm Ø 40 ÷ 225 con accessorio code 116000078 Ø 40 ÷ 225 with accessory code 116000078	43,800	1

B 50 51

**116/78****INSERTO RULLI PER TUBI Ø 40-100 MM - DUECENTO**

- ROLLER INSERT Ø 40-100 MM - DUECENTO
- LAUFROLLENEINSATZ Ø 40-100 MM - DUECENTO
- ROULEAU ROTATION INTERMÉDIAIRE Ø 40-100 MM - DUECENTO
- INSERTO DE RODILLOS Ø 40-100 MM - DUECENTO

CODE	De mm	kg	
116000078	Ø 40 ÷ 100	2,070	1

B 50 51

**116/38****ROTELLA PER TAGLIATUBO CENTO-DUECENTO**

- CUTTING WHEEL PIPE CUTTER CENTO-DUECENTO
- SCHNEIDRAD ROHRSCHEIDER CENTO-DUECENTO
- MOLETTE POUR COUPE-TUBES CENTO-DUECENTO
- CUCHILLA PARA CORTATUBO CENTO-DUECENTO

CODE	g	
116000038	300	1

B 50 51

**116/48****PIEDISTALLO TAGLIATUBI CENTO**

- PEDESTAL FOR CENTO PIPE CUTTER
- SOCKEL FÜR CENTO ROHRSCHEIDER
- PIÉDESTAL POUR COUPE-TUBES CENTO
- PEDESTAL PARA CORTATUBO CENTO

CODE	kg	
116000048	9,550	1



116/58

B 50 51

CAVALLETTO PER TUBI Ø 8÷108 MM

- EASEL FOR PIPES Ø 8÷108 MM
- GESTELL FÜR ROHRS Ø 8÷108 MM
- CHEVALET POUR PIPE Ø 8÷108 MM
- CABALLETE DE TUBO Ø 8÷108 MM

CODE		
116000058	7,000	1



116/6 (ø 15÷54 mm)

B 50 51

SPELATUBI

- DISMANTLING TOOL
- ABMANTELGERÄT
- DÉNUDEUR
- PELADOR

CODE	De mm		
116000006	15 - 22	236	1
116000016	18 - 28	320	1
116000026	35 - 42	703	1
116000036	54	477	1



116/7 (ø 76÷108 mm)

B 50 51

SPELATUBI

- DISMANTLING TOOL
- ABMANTELGERÄT
- DÉNUDEUR
- PELADOR

CODE	De mm		
116076007	76,1	1,040	1
116088007	88,9	1,218	1
116108007	108	1,668	1

**274/0 (ø 15÷54 mm)****B 50 51****MARCATORE**

- MARKER
- MARKIERLEHRE
- MARQUEUR
- MARCATUBO

CODE	De mm		
274000000	15 ÷ 54	26	50

**274/1 (ø 76÷108 mm)****B 50 51****MARCATORE**

- MARKER
- MARKIERLEHRE
- MARQUEUR
- MARCATUBO

CODE	De mm			
274000001	76,1 ÷ 108	190	1	20

**274/LABEL Etichette****B 50 51****ETICHETTA FLUIDO PER TUBAZIONI**

- PIPE FLUID LABEL
- AUFKLEBER UND SCHILDER FÜR ROHRKENNZEICHNUNG
- ÉTIQUETTE DE FLUIDE DE CANALISATION
- ETIQUETA DE FLUIDO CONDUCTO EN TUBERÍA

CODE	Description	Dimensions mm x mm		
274000010	Acqua - Water	120 x 30	2	20
274000020	Gas - Gas	120 x 30	2	20
274000030	Aria compressa - Compressed air	120 x 30	2	20
274000040	Antincendio - Firefighting	120 x 30	2	20



O-Ring EPDM - M Profile

B 50 52

NERO

- BLACK
- SCHWARZ
- NOIR
- NEGRO

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Idrosanitaria / riscaldamento / raffrescamento
Sanitary / Heating / Cooling
Sanitär / Heizung / Kühlung
Sanitaire / Chauffage / Circuits réfrigérants
Agua sanitaria / Calefacción / Circuito de refrigeración

Material: EPDM

Profilo M - M profile - M Kontur - profil M - perfil M

CODE	De mm		
11501525N	15	1	20
11501825N	18	1	20
11502230N	22	1	20
11502830N	28	2	20
11503530N	35	2	20
11504240N	42	5	20
11505440N	54	6	20
11507770NM	76,1	14	10
11509070NM	88,9	17	10
11510909NM	108	33	10
115139100N	139,7	43	1
115168100N	168,3	95	1



O-Ring HNBR - M profile

B 50 52

GIALLO

- YELLOW
- GELB
- JAUNE
- AMARILLO

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Gas / Gas / Gas / Gas / Gas

Material: HNBR

Profilo M - M profile - M Kontur - profil M - perfil M

CODE	De mm		
11501525GH	15	1	20
11501825GH	18	1	20
11502230GH	22	1	20
11502830GH	28	2	20
11503530GH	35	2	20
11504242GHM	42	5	20
11505440GH	54	6	20
11507670GM	76,1	14	10
11508870GM	88,9	17	10
11510809GM	108	33	10



O-Ring FKM - M Profile

B 50 52

VERDE

- GREEN
- GRÜN
- VERT
- VERDE

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Solare / Solar / Solar / Solaire / Solares
Olio / Pil / Öl / Huile / Aceite

Material: FKM

Profilo M - M profile - M Kontur - profil M - perfil M

CODE	De mm		
11501525V	15	1	20
11501825V	18	1	20
11502230V	22	1	20
11502830V	28	2	20
11503530V	35	2	20
11504240V	42	5	20
11505440V	54	6	20
11507770VM	76,1	14	10
11509070VM	88,9	17	10
11510909VM	108	33	10
115139100V	139,7	43	1
115168100V	168,3	95	1



O-Ring MVQ - M Profile

B 50 52

ROSSO

- RED
- ROT
- ROUGE
- ROJO

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Applicazioni industriali - chiedere ad RM
Industrial applications - ask RM
Industrieanwendungen - fragen RM
Applications industrielles - demander RM
Aplicaciones industriales - preguntar RM

Material: MVQ

Profilo M - M profile - M Kontur - profil M - perfil M

CODE	De mm		
11501525R	15	1	20
11501825R	18	1	20
11502230R	22	1	20
11502830R	28	2	20
11503530R	35	2	20
11504240R	42	5	20
11505440R	54	6	20
11507770R	76,1	14	10
11509070R	88,9	17	10
11510990R	108	33	10



115/EPDM

GUARNIZIONE EPDM

- EPDM GASKET
- DICTUNG AUS EPDM
- JOINT EPDM
- JUNTA EN EPDM

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Idrosanitaria / riscaldamento / raffrescamento
Sanitary / Heating / Cooling
Sanitär / Heizung / Kühlung
Sanitaire / Chauffage / Circuits réfrigérants
Agua sanitaria / Calefacción / Circuito refrigeracion

B 50 52

CODE	De mm	D1 mm	D2 mm	S mm		
115683102E	15 - 18	18	10	2,5	1	20
115683304E	15 - 18 - 22	24	14	2,5	1	20
115683100E	18 - 22 - 28	30	20	2,5	1	20
115683114E	28 - 35	39	27	2,5	2	20
115683112E	35 - 42	44,5	30	2,5	3	20
115183112E	35 - 42	44,5	34	2,5	3	20
115183051E	28	47,5	37	2,5	3	20
115183134E	42	50,5	40	2,5	3	20
115683134E	42	50,5	38	2,5	4	20
115183200E	42	56	42	2,5	4	20
115183540E	54	65,5	53,5	3	4	20
115183154E	54	65,5	45	3	4	20
115183242E	42	66	56	2,5	4	20
115183054E	54	71,5	53	3	5	20
115183254E	54	79,5	69	2,5	5	20



115/HNBR

GUARNIZIONE HNBR

- HNBR GASKET
- DICTUNG AUS HNBR
- JOINT HNBR
- JUNTA EN HNBR

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Gas / Gas / Gas / Gas / Gas

B 50 52

CODE	De mm	D1 mm	D2 mm	S mm		
115683102H	15 - 18	18	10	2,5	1	20
115683304H	15 - 18	24	14	2,5	1	20
115683100H	22 - 28	30	20	2,5	1	20
115683114H	28 - 35	39	27	2,5	2	20
115183112H	35 - 42	44,5	34	2,5	3	20
115183200H	42 - 54	56	42	2,5	4	20
115183212H	54	71,5	53	3	5	50

NEW

**115/FKM****GUARNIZIONE FKM**

- FKM GASKET
- DICTUNG AUS FKM
- JOINT FKM
- JUNTA EN FKM

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application / Aplicaciones:
Solare / Solar / Solar / Solaire / Solares.

CODE	De mm	D1 mm	D2 mm	S mm		
115683102F	15 - 18	18	10	3	1	20
115683304F	15 - 18 - 22	24	14	3	1	20
115683100F	18 - 22 - 28	30	20	3	1	20
115683114F	28 - 35	39	27	3	2	20
115183112F	35 - 42	44,5	34	3	3	20
115183051F	28	47,5	37	3	3	20
115183134F	42	50,5	40	3	4	20
115183200F	42 - 54	56	42	3	4	20
115183154F	54	65,5	45	3	4	20
115183540F	54	65,5	53,5	3	4	20
115183242F	42	66	56	3	4	20
115183054F	54	71,5	53	3	5	20
115183254F	54	79,5	69	3	5	20

**850NS****BENDA DI PROTEZIONE BUTILICA RACCORDI STEELPRES**

- BANDAGE PROTECTION FOR STEELPRES FITTINGS
- SCHUTZBAND FÜR STEELPRES FITTINGE
- BANDE DE PROTECTION POUR RACCORDS STEELPRES
- FUNDA DE PROTECCION PIEZAS STEELPRES

CODE	Lg x L cm x m			
850NS000000	5 cm x 9,15 m	734	1	24

Raccomandato per impianti di raffrescamento
Recommended for cooling installation
Empfehl fuer Kuehlungsanlagen
Recommandé pour installations de refroidissement
Recomendado para instalaciones de refrigeracion

FOCUS ON

Umidità e condensa: quando si forma, perché?

La condensa è un fenomeno naturale che si manifesta quando l'aria carica di vapore acqueo entra in contatto con superfici fredde.

La differenza di temperatura tra aria calda e superficie fredda provoca la trasformazione del vapore in gocce d'acqua.

Effetto della condensa sui tubi in acciaio al carbonio zincati.

Negli impianti di raffrescamento realizzati con tubi zincati non adeguatamente protetti, l'eventuale formazione di condensa sulla superficie esterna del tubo in presenza di ossigeno, provoca la formazione di ossido di zinco. Una volta consumato tutto lo zinco superficiale, sulla sottostante superficie in acciaio al carbonio si innesca una corrosione generalizzata con formazione di ossido di ferro.

Come risolvere il problema?

Per preservare il tubo in acciaio al carbonio è necessario rivestire la sua superficie con un materiale protettivo che non si ossidi e che svolga azione di barriera fisica tra tubazione ed atmosfera.

Quale soluzione offre RM?

Per facilitare la fase di installazione e protezione delle tubazioni e dei raccordi Steelpres, mettiamo a disposizione tubo in acciaio al carbonio zincato rivestito con PP e bende butiliche da nastrare sopra i raccordi.

Protezione di tubi e raccordi dalla corrosione esterna.

Il nastro adesivo isobutilico presenta grande allungabilità in entrambi i sensi ed un forte potere adesivo ed auto amalgamante. Lo stesso non necessita di primer aggrappante, impermeabilizza perfettamente le superfici, isolando da agenti atmosferici e chimici blandi. La grande allungabilità conferisce ai nastri un'adattabilità pressoché universale su tutte le superfici, anche le più irregolari quali curve,



Tee, giunti a bicchiere etc. Per applicarlo è sufficiente che la superficie sia pulita e non umida. Il nastro va spellicolato esercitando la tensione necessaria a seconda delle situazioni. Esso si allunga infatti fino al 700% della sua lunghezza iniziale mentre lo spessore finale è in funzione della trazione esercitata. È consigliabile una sovrapposizione di almeno un 10% della larghezza del nastro.

La protezione attraverso il rivestimento con fasce e/o verniciatura, deve comunque avvenire sempre dopo la prova impianto.

RM's solution.

To ease the phases of installation and protection zinc-plated carbon steel pipe coated with PP and butyl tapes to be applied onto fittings.

Protection of pipelines and connections from external corrosion.

The butanol-adhesive tape has high tensile and high adhesive strength and is selffluxing. It requires no adherent primer, lets surfaces perfectly repel water and insulates against atmospheric influences and free chemicals.

The high tensibility provides the tapes with comprehensive applicability for all types of surfaces, even for irregular surfaces such as bends, T-piece, sleeves, etc.

For the application, it is sufficient that the surface is clean but not wet.

The tape must be under pressure and cleaned depending on the situation. It extends over 700% compared to its original length, while the width at the end depends on the extension.

It is recommended to overlap the tape with at least 10% of the tape width. A coating protection with the help of tapes and/or varnish must always occur after a trial run of the system.

Humidity and condensate: when and why it creates.

Condensate is a natural event appearing when the air rich in water vapour comes into contact with cold surfaces.

The difference in temperature between hot air and cold surfaces brings about the transformation of vapour in water drops.

Effects of condensate on zincplated carbon steel pipes.

In cooling systems obtained from not suitably protected zinc-plated pipes, possible condensate creation on pipes' outer surface in presence of oxygen causes the formation of zinc oxide. After superficial zinc consumption, on carbon steel surface under zinc coating a general corrosion starts with the formation of iron oxide.

How to solve the problem.

In order to protect carbon steel pipes, it is necessary to coat its surface by a protective material that does not oxidise and acts as physical barrier between pipe and atmosphere.



Sistemi di raccordi a pressare profilo **UNIKO**

PRESS FITTING SYSTEMS UNIKO PROFILE

PRESSFITTINGSYSTEME UNIKO-PROFIL

SYSTÈME À SERTIR PROFIL UNIKO

SISTEMA DE ACCESORIOS PARA PRENSAR PERFIL UNIKO

Il sistema pressfitting - **profilo UNIKO**

The UNIKO Profile pressfitting system

Il Pressfitting è un sistema di giunzione tra tubi con raccordi che vengono uniti per mezzo di macchine pressatrici elettromeccaniche. La pressatura deforma permanentemente il raccordo sul tubo realizzando la tenuta meccanica, mentre la guarnizione O-Ring garantisce la tenuta idraulica. Il processo di pressatura garantisce collegamenti di qualità costante, riproducibile e utilizzando un minimo sforzo fisico da parte dell'operatore.

La **gamma con profilo UNIKO** ha il grande vantaggio di poter essere pressata **sia con attrezzature a profilo M che V**.

Si tratta di una grande **innovazione brevettata e certificata** dai principali enti certificatori, disponibile sia per acqua che per gas. Gli utilizzatori profilo V e profilo M potranno scegliere la nostra nuova proposta con profilo UNIKO senza dover investire in nuove attrezzature e in nuove competenze.

Il vasto assortimento dei componenti, in acciaio inossidabile e in rame, è disponibile dal Ø 12 fino al Ø 54 mm compreso.

Pressfitting is a joint system between pipes with fittings that are joined by means of electromechanical pressing machines. The pressing permanently deforms the fitting on the pipe creating the mechanical seal, while the O-Ring seal guarantees the hydraulic seal. The pressing process guarantees connections of constant quality, reproducible and using minimal physical effort on the part of the operator.

The **range with UNIKO profile** has the great advantage of being able to **be pressed with both M and V profile equipment**.

This is a great patented innovation certified by the main certifying bodies, available for both water and gas. Profile V and profile M users will be able to choose our new proposal with UNIKO profile without having to invest in new equipment and new skills.

The wide range of components, in stainless steel and copper, is available from Ø 12 up to and including Ø 54 mm.



Le fasi di installazione - *profilo UNIKO*

Installation process - UNIKO profile



Attrezzatura per la preparazione del tubo / Tools for the pipe set-up



Macchine e attrezzature per la pressata / Pressing machines and tools



Taglio del tubo / Cutting the pipe to length



Sbavatura del tubo / Deburring the pipe



Controllo O-ring / Checking the sealing ring



Marcatura della profondità d'innesto / Marking the insertion depth



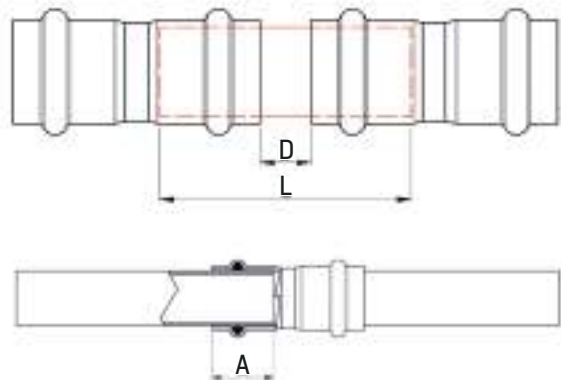
Preparazione della macchina pressatrice / Press machine preparation



Assemblaggio attraverso pressatura / Making the press connection



Controllo della pressatura / Checking the press connection



A = Quota d'innesto
D = Distanza minima
L = Lunghezza minima di tubo

A = insertion depth
D = minimum distance
L = minimum pipe length tubo

Profondità d'innesto e distanze minime

Insertion depth and minimum distances

VIDEO TUTORIAL

Scopri sul nostro canale YouTube, come installare il sistema Pressfitting !

Find out more on our YouTube channel, how to install Pressfitting system !

YouTube

RACCORDIERIE METALLICHE

Diametro esterno tubi in mm Pipe outside diameter in mm	A mm	D mm	L mm
12	18	20	56
14	22	20	64
15	22	20	64
16	22	20	64
18	22	20	64
22	24	20	68
28	24	20	68
35	27	20	74
42	36	40	112
54	41	40	122

Certificazioni / Certifications

		PRODUKTE DER WASSERVERSORGUNG	DW8511CS0383	Ø 15 – 54 mm
		EDELSTAHLROHR "INOXPRES" – 1.4404	DV-7301 BM3426 (GW 541)	Ø 15 – 54 mm
		EDELSTAHLROHR "INOXPRES" – 1.4521	DW-7301 BT0667 (GW 541)	Ø 15 – 54 mm
		TRINKWASSERVERTEILSYSTEME	1911-6889	Ø 15 – 54 mm
		RACCORDI A PRESSARE IN RAME E BRONZO / COPPER AND BRASS FITTINGS PRODOTTI E COMPONENTI UTILIZZATI A CONTATTO CON ACQUA POTABILE PRODUCT AND ELEMENTS IN CONTACT WITH DRINKING WATER	ICIM-CAP-009671-04	Ø 15 – 54 mm
		INOXPRES UNIKO PRESSFITTING SYSTEM – HYGIENIC CERTIFICATION	RU.01.PA.02.013.E.000258.03.20	Ø 15 – 54 mm

Campi di applicazione / Fields of application

inoxPRES **UNIKO®**

Acqua potabile
 Potable water

Riscaldamento
 Heating

Raffrescamento
 Cooling

Olio / gasolio
 Oil / diesel fuel
FKM O-Ring

Acque di processo
 Process water

Aria compressa
 Compressed air

Antincendio
 Fire protection systems

inoxPRES **UNIKO®** O-ring EPDM
Nero | Black | Schwarz | Noir | Negro




I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/200 6 m**B 30 31****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=6 m****Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015200	15 x 1,0	13	6	0,351	0,133	60	1014
116018200	18 x 1,0	16	6	0,426	0,201	60	1014
116022200	22 x 1,2	19,6	6	0,625	0,302	60	762
116028200	28 x 1,2	25,6	6	0,805	0,514	30	546
116035200	35 x 1,5	32	6	1,258	0,804	30	546
116042200	42 x 1,5	39	6	1,521	1,194	30	366
116054200	54 x 1,5	51	6	1,972	2,042	30	366



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/300**B 30 31****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312**Mat. Nr.: 1.4404 (AISI 316L) L=6 m****Ricotto - Annealed - Geglüht - Hypertrempé - Recocido**

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014
116018300	18 x 1,0	16	6	0,426	0,201	60	1014
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546
116035300	35 x 1,5	32	6	1,258	0,804	30	546
116042300	42 x 1,5	39	6	1,521	1,194	30	366
116054300	54 x 1,5	51	6	1,972	2,042	30	366



I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

116/030 6 m**B 30 33****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312

Mat. Nr.: 1.4521 (AISI 444) L=6 m
Ricotto - Annealed - Geglüht - Hypertrempé - Recocido

CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
116015030	15 x 1,0	13	6	0,351	0,133	60	1014
116018030	18 x 1,0	16	6	0,426	0,201	60	1014
116022030	22 x 1,2	19,6	6	0,625	0,302	60	762
116028030	28 x 1,2	25,6	6	0,805	0,514	30	546
116035030	35 x 1,5	32	6	1,258	0,804	30	546
116042030	42 x 1,5	39	6	1,521	1,194	30	366
116054030	54 x 1,5	51	6	1,972	2,042	30	366

NOTA / NOTE

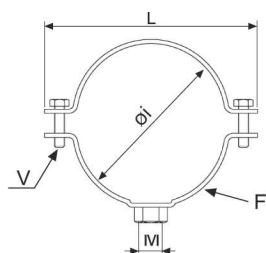
Per le specifiche certificazioni delle tubazioni in ogni singolo paese, vedere sito web raccorderiemetalliche.com

For pipes certification's details of each country, please check our website raccorderiemetalliche.com

Die für jedes einzelne Land spezifischen Zertifizierungen der Rohre finden Sie auf die Website raccorderiemetalliche.com

Pour toute certification de tubes dans chaque pays, voir le site internet raccorderiemetalliche.com

Para conocer las certificaciones específicas de las tuberías en cada país, consulte el sitio web raccorderiemetalliche.com



156

A 50 50

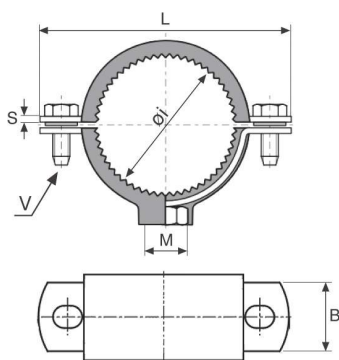
COLLARE PER TUBO INOXPRES

- CLAMP FOR INOXPRES PIPE
- ROHRSCHELLE FÜR INOXPRES ROHR
- COLLIER POUR TUBE INOXPRES
- ABRAZADERA PARA TUBO INOXPRES

MATERIAL: AISI 304 - 1.4301**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	F Lg x Sp mm	V mm	L mm			
156015304	15	M 8	20 x 2,5	M 6 x 20	48	52	1	50*
156308304	18	M 8	20 x 2,5	M 6 x 20	53,5	58	1	50*
156102304	22	M 8	20 x 2,5	M 6 x 20	58	62	1	50*
156304304	28	M 8	20 x 2,5	M 6 x 20	63,5	68	1	50*
156100304	35	M 8	20 x 2,5	M 6 x 20	70	76	1	50*
156114304	42	M 8	20 x 2,5	M 6 x 20	79	88	1	50*
156054304	54	M 8	20 x 2,5	M 6 x 25	94	102	1	50*

[*] unità minima di vendita / minimum selling quantity

Conforme a
Conform to
Entsprechend
Correspondant
Conforme a la

DIN 4109

156/G

A 50 50

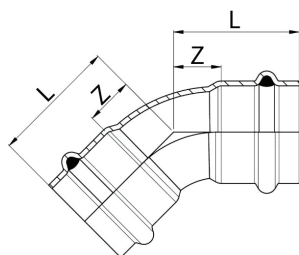
COLLARE GOMMA PER TUBO INOXPRES

- CLAMP WITH RUBBER FOR INOXPRES PIPE
- ROHRSCHELLE MIT GUMMIEINLAGE FÜR INOXPRES ROHR
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE POUR TUBE INOXPRES
- ABRAZADERA ISOFÓNICA PARA TUBO INOXPRES

MATERIAL: AISI 304 - 1.4301**VULCANIZED RUBBER:**EPDM (-20°
C/+120° C)
durezza/hardness
55 Shore**NOTE:** dado saldato con puntatura elettrica
spot welded nut

CODE	DN mm	M	V mm	B mm	S mm	L mm			
156150304G	15	M 8	M 6 x 20	20	2,5	58	72	1	50*
156308304G	18	M 8	M 6 x 20	20	2,5	58	76	1	50*
156102304G	22	M 8	M 6 x 20	20	2,5	63,5	86	1	50*
156304304G	28	M 8	M 6 x 20	20	2,5	70	94	1	50*
156100304G	35	M 8	M 6 x 20	20	2,5	79	112	1	50*
156114304G	42	M 8	M 6 x 20	20	2,5	85	120	1	50*
156112304G	54	M 8	M 6 x 25	20	2,5	97	142	1	50*

[*] unità minima di vendita / minimum selling quantity



181/450 U

CURVA 45° FF

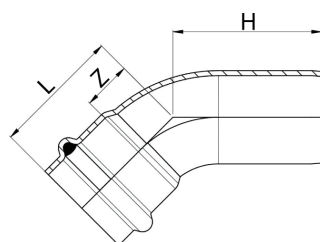
- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

B 10 22

CODE	De mm	Radius	L mm	Z mm			
181015450CU	15	1,2 De	29,5	7,5	42	20	300
181018450CU	18	1,2 De	31,5	9,5	50	20	300
181022450CU	22	1,2 De	34	10	67	20	100
181028450CU	28	1,2 De	39	15	96	10	100
181035450U	35	1,2 De	47,5	19,5	140	10	60
181042450U	42	1,2 De	59	23	212	4	32
181054450U	54	1,2 De	69	28	308	2	20



181/451 U

CURVA 45° MF

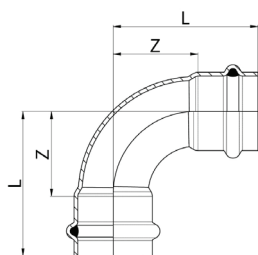
- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

B 10 22

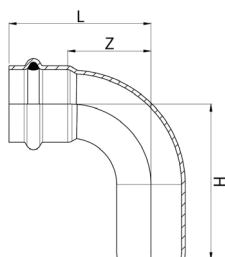
CODE	De mm	Radius	L mm	H mm	Z mm			
181015451CU	15	1,2 De	29,5	36,5	7,5	39	20	300
181018451CU	18	1,2 De	31,5	38	9,5	48	20	300
181022451CU	22	1,2 De	34	42	10	65	20	100
181028451CU	28	1,2 De	39	45	15	92	10	100
181035451U	35	1,2 De	47,5	57,5	19,5	141	10	60
181042451U	42	1,2 De	59	72	23	213	4	40
181054451U	54	1,2 De	69	78	28	305	2	20

**181/900 U****B 10 22****CURVA 90° FF**

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	Radius	L mm	Z mm			
181015900CU	15	1,2 De	40	18	49	20	300
181018900CU	18	1,2 De	42	20	60	20	200
181022900CU	22	1,2 De	49	25	83	10	100
181028900CU	28	1,2 De	58	34	122	10	100
181035900U	35	1,2 De	72	44	181	5	50
181042900U	42	1,2 De	88	52	273	2	30
181054900U	54	1,2 De	107	66	409	2	16

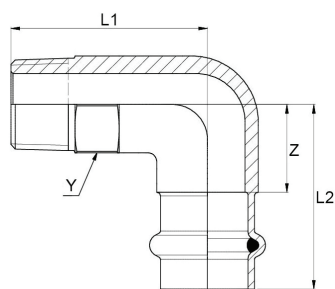
**181/901 U****B 10 22****CURVA 90° MF**

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	Radius	L mm	H mm	Z mm			
181015901CU	15	1,2 De	40	41	18	43	20	300
181018901CU	18	1,2 De	42	44	20	54	20	200
181022901CU	22	1,2 De	49	51	25	76	10	100
181028901CU	28	1,2 De	58	58	34	111	10	100
181035901U	35	1,2 De	72	82	44	182	5	50
181042901U	42	1,2 De	88	100	52	272	2	30
181054901U	54	1,2 De	107	120	66	414	2	16

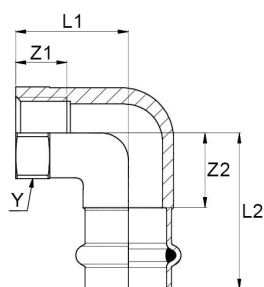
B 10 22

**197 U****GOMITO MISTO 90° FILETTO M**

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUEURRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

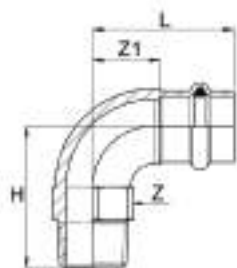
CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
197102015U	15 x 1/2"	44,5	42	20	22	116	10	150
197102018U	18 x 1/2"	44,5	42	20	22	124	10	150
197102022U	22 x 1/2"	44,5	44	20	22	137	10	150
197304022U	22 x 3/4"	49	45	21	27	159	10	100
197304028U	28 x 3/4"	49	45	21	27	182	5	50
197100028U	28 x 1"	52,5	49	25	35	279	5	50

**198 U****GOMITO MISTO 90° FILETTO F**

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUEURRE 90° AVEC FILETAGE F
- CODO HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

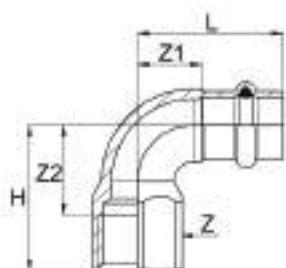
CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
198102015U	15 x 1/2"	33	44	15	22	27	129	10	150
198102018U	18 x 1/2"	33	44	15	22	27	137	10	150
198102022U	22 x 1/2"	33	46	15	22	27	148	10	100
198304022U	22 x 3/4"	38	46	19	22	30	155	10	100
198100028U	28 x 1"	48	51	21	27	40	349	5	50

**186/M U****B 10 22****CURVA FILETTATA 90° FILETTO M**

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	H mm	Z mm	Z1 mm			
186102015CU	15 x 1/2"	39	39	22	17	87	20	300
186102018CU	18 x 1/2"	42	42	24	20	105	20	200
186304022CU	22 x 3/4"	47	49	28	24	153	10	100
186100028CU	28 x 1"	54	63	36	30	275	10	50

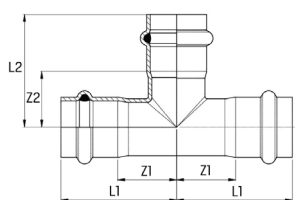
**186/F U****B 10 22****CURVA FILETTATA 90° FILETTO F**

- 90° ELBOW FEMALE BSP
- BOGEN 90° MIT IG
- COUDE 90° AVEC FILETAGE F
- CODO A 90° HH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	H mm	Z mm	Z1 mm	Z2 mm			
186102015FCU	15 x 1/2"	39	39	24	17	24	89	20	200
186304018FCU	18 x 3/4"	42	48	32	20	29	161	10	100

B 10 22

**182 U****"T"**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

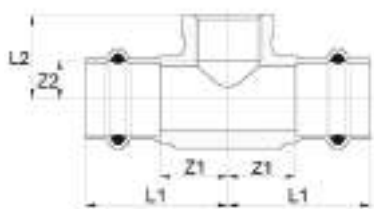
MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
182015000U	15	43	41	21	19	81	20	200
182018000U	18	45	43	23	21	97	20	100
182022000U	22	49	47,5	25	23,5	128	10	80
182028000U	28	52	51,5	28	27,5	168	5	50
182035000U	35	62	58,5	34	30,5	236	4	32
182042000U	42	75	70,5	39	34,5	352	4	20
182054000U	54	89	83,5	48	42,5	516	2	12

B 10 22

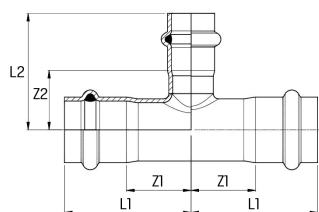
189 U**"T" CON DERIVAZIONE FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189102015U*	15 x 1/2" x 15	38,5	22,5	16,5	8,5	120	20	100
189102018U*	18 x 1/2" x 18	38	24	16	10	132	20	100
189304018U*	18 x 3/4" x 18	42,5	30	20,5	14	173	10	100
189102022U*	22 x 1/2" x 22	41	26	18	12	164	10	100
189304022U*	22 x 3/4" x 22	43,5	30	20,5	14	189	10	100
189102028U*	28 x 1/2" x 28	42	29	18	15	203	10	50
189304028U*	28 x 3/4" x 28	45	30	21	14	226	10	50
189100028U*	28 x 1" x 28	45	34	21	16	271	5	50
189102035U	35 x 1/2" x 35	62	50	34	35	231	5	40
189102042U	42 x 1/2" x 42	75	53,5	39	38,5	319	4	20
189102054U	54 x 1/2" x 54	89	61	48	46	448	2	14

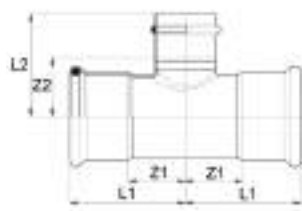
(*) senza saldatura – seamless – nahtlos – sans soudure – sin soldadura

**192 U****“T” RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192018015U	18 x 15 x 18	45	42,5	23	20,5	94	20	100
192022015U	22 x 15 x 22	49	45	25	23	116	10	100
192022018U	22 x 18 x 22	49	45,5	25	23,5	119	10	100
192028015U	28 x 15 x 28	52	47,5	28	25,5	148	10	50
192028018U	28 x 18 x 28	52	48	28	26	152	10	50
192028022U	28 x 22 x 28	52	50	28	26	158	10	50
192035015U	35 x 15 x 35	62	51	34	29	204	5	35
192035018U	35 x 18 x 35	62	51,5	34	29,5	207	5	35
192035022U	35 x 22 x 35	62	53,5	34	29,5	214	5	35
192035028U	35 x 28 x 35	62	55	34	31	224	5	35
192042018U	42 x 18 x 42	75	55	39	33	295	4	20
192042022U	42 x 22 x 42	75	57	39	33	301	4	20
192042028U	42 x 28 x 42	75	58,5	39	34,5	311	4	20
192042035U	42 x 35 x 42	75	61	39	33	322	4	20
192054022U	54 x 22 x 54	89	64,5	48	40,5	431	2	16
192054028U	54 x 28 x 54	89	66	48	42	440	2	16
192054035U	54 x 35 x 54	89	68,5	48	40,5	451	2	16
192054042U	54 x 42 x 54	89	78	48	42	480	2	16

B 10 12


192 M_U

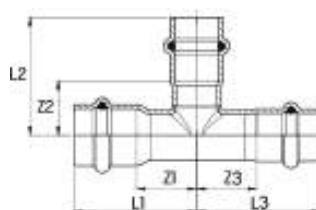
"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192076022U	76,1 x 22 x 76,1	108	76,5	53	52,5	952	2	2
192076028U	76,1 x 28 x 76,1	108	78	53	54	964	2	2
192076035U	76,1 x 35 x 76,1	108	80,5	53	52,5	975	2	2
192076042U	76,1 x 42 x 76,1	108	90	53	54	1004	2	2
192076054U	76,1 x 54 x 76,1	108	95,5	53	54,5	1034	2	2
192088022U	88,9 x 22 x 88,9	132	84	72	60	1316	2	2
192088028U	88,9 x 28 x 88,9	132	85,5	72	61,5	1329	2	2
192088035U	88,9 x 35 x 88,9	132	88	72	60	1340	2	2
192088042U	88,9 x 42 x 88,9	132	97,5	72	61,5	1369	2	2
192088054U	88,9 x 54 x 88,9	132	103	72	62	1398	2	2
192108022U	108 x 22 x 108	155	93,5	80	69,5	1910	2	2
192108028U	108 x 28 x 108	155	95	80	71	1922	2	2
192108035U	108 x 35 x 108	155	97,5	80	69,5	1933	2	2
192108042U	108 x 42 x 108	155	107	80	71	1962	2	2
192108054U	108 x 54 x 108	155	112,5	80	71,5	1990	2	2



192/L U

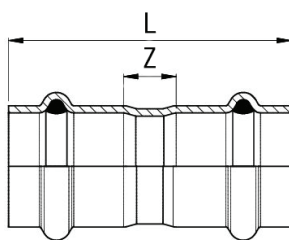
"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 316L – 1.4404

O-RING: EPDM nero – black – Schwarz – noir – negro

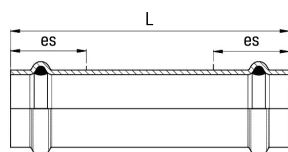
CODE	De mm	L1 mm	L2 mm	L3 mm	Z1 mm	Z2 mm	Z3 mm			
192181515U	18 x 15 x 15	43	43	41	21	21	19	85	20	100

**183/000 U****B 10 22****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
183015000U	15	57	13	42	20	400
183018000U	18	57	13	49	20	300
183022000U	22	59	11	61	20	200
183028000U	28	61	13	81	10	150
183035000U	35	70	14	111	10	80
183042000U	42	84	12	164	4	40
183054000U	54	92	10	223	2	24

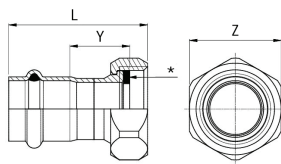
**183/001 U****B 10 22****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: AISI 316L - 1.4404**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	es mm			
183015001U	15	82	25	58	20	200
183018001U	18	86	25	71	20	200
183022001U	22	92	25	91	20	100
183028001U	28	101	30	126	10	80
183035001U	35	119	30	179	5	50
183042001U	42	135	40	248	4	40
183054001U	54	158	45	362	2	20

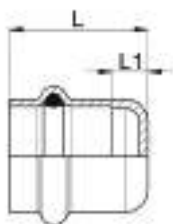
B 10 22

**183/002 U****MANICOTTO CON DADO FOLLE**

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** [*]: EPDM nero – black – Schwarz – noir – negro**THREAD:** ISO 228/1 (ex DIN 259)

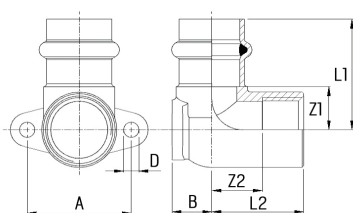
CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
183015012U	15 x 1/2"	50	27	23	18x10 thk 2,5	73	10	250
183015002U	15 x 3/4"	51,5	30	23	24x14 thk 2,5	72	10	250
183018012U	18 x 1/2"	50	27	22,5	18x10 thk 2,5	77	10	250
183018002U	18 x 3/4"	52	30	23,5	24x14 thk 2,5	73	10	250
183022012U	22 x 3/4"	52,5	30	22	24x14 thk 2,5	79	10	200
183022002U	22 x 1"	54,5	36	23,5	30x20 thk 2,5	98	10	200
183028012U	28 x 1"	53,5	36	22,5	30x20 thk 2,5	106	10	150
183028002U	28 x 1 1/4"	57,5	46	25	39x27 thk 2,5	153	10	120
183035002U	35 x 1 1/2"	63	52	27	44,5x34 thk 2,5	202	4	60
183042012U	42 x 1 3/4"	73,5	58	27,5	50,5x40 thk 2,5	253	2	30
183054012U	54 x 2 3/8"	82,5	75	28,5	65,5x53,5 thk 3	420	2	20

**183/003 U****TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

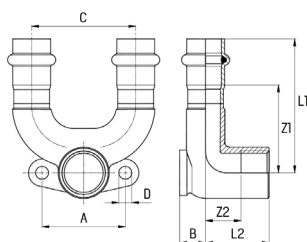
CODE	De mm	L mm	L1 mm			
183015003U	15	30	8	25	20	500
183018003U	18	30	8	30	20	300
183022003U	22	31	8	38	10	200
183028003U	28	32	8	52	10	150
183035003U	35	34	6	68	5	100
183042003U	42	42	6	98	4	80
183054003U	54	46	6	137	4	40

**185/000 U****B 10 22****GOMITO MISTO 90° MF**

- WALL PLATE ELBOW 90° MF
- DECKENWINKEL 90° A/I
- EQUERRE 90° MF
- CODO PLACA MH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

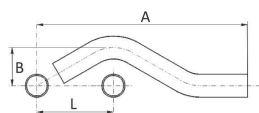
CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
185102015U	15 x 1/2"	36	30	14	16,5	34	13	5	100	10	150
185102018U	18 x 1/2"	36	30	14	16,5	34	13	5	104	10	150
185102022U	22 x 1/2"	40	34	17	20,5	40	16	6	140	10	100
185304022U	22 x 3/4"	42	34	19	19	40	17	6	154	10	100

**185/003 U****B 10 22****RACCORDO TRE VIE CON FLANGIA E DERIVAZIONE FILETTO F**

- CORNER TEE WITH WALL FLANGE
- INOXPRES-DOPPELWANDSCHEIBE
- EQUERRE MURALE AVEC FILETAGE FEMELLE
- RACOR TRES VÍAS CON BRIDA Y ROSCA HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

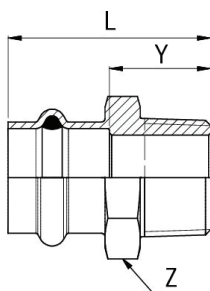
CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	C mm	D mm			
185102315U	15 x 1/2" x 15	64	30,5	42	17	40	12,5	50	6,2	183	10	80
185102318U	18 x 1/2" x 18	65,5	30	43,5	16,5	40	13	50	6,2	202	5	50
185102322U	22 x 1/2" x 22	75,5	27	51,5	13,5	40	16	60	6,2	267	5	50

**179****B 10 11****"S" DI SCAVALCAMENTO MM**

- PIPE BRIDGE
- SPRUNGBOGEN
- "S" DE CHEVAUCHEMENT MALE
- "S" DE SUPERPOSICIÓN MM

MATERIAL: AISI 316L – 1.4404

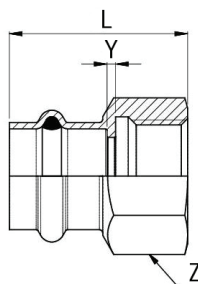
CODE	De mm	L mm	A mm	B mm			
179015000	15	57	158	30	54	10	150
179018000	18	60	166	31	74	10	100
179022000	22	65	179	33	116	10	100
179028000	28	73	206	36	192	10	50

**187 U****B 10 22****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

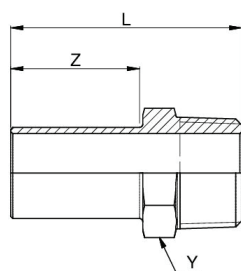
CODE	De x R mm x inch	L mm	Z mm	Y mm	 g		
187102015U	15 x 1/2"	42	24	21	60	20	300
187304015U	15 x 3/4"	45	30	24	109.0	20	200
187102018U	18 x 1/2"	42	27	21	61.0	20	300
187304018U	18 x 3/4"	45	30	24	101.0	20	200
187102022U	22 x 1/2"	46	32	24	94.0	10	200
187304022U	22 x 3/4"	46	32	24	91.0	10	200
187100022U	22 x 1"	49	36	27	161.0	10	100
187304028U	28 x 3/4"	48	38	25	121.0	10	100
187100028U	28 x 1"	50	38	27	134.0	10	100
187114028U	28 x 1 1/4"	54	46	31	271.0	10	60
187100035U	35 x 1"	54	45	27	177.0	5	100
187114035U	35 x 1 1/4"	58	46	31	209.0	5	50
187112035U	35 x 1 1/2"	58	50	31	304.0	4	60
187114042U	42 x 1 1/4"	65	54	31	268.0	4	40
187112042U	42 x 1 1/2"	65	54	31	264.0	4	40
187112054U	54 x 1 1/2"	73	67	34	433.0	4	32
187200054U	54 x 2"	78	67	39	422.0	4	32

**190 U****B 10 22****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

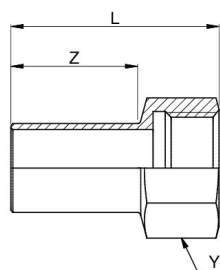
CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
190102015U	15 x 1/2"	40	27	2	65.0	20	240
190304015U	15 x 3/4"	41	32	2	79.0	20	240
190102018U	18 x 1/2"	40	27	2	68.0	20	240
190304018U	18 x 3/4"	41	32	2	80.0	10	200
190102022U	22 x 1/2"	40	32	2	100.0	10	200
190304022U	22 x 3/4"	42	32	2	83.0	10	150
190100022U	22 x 1"	46	41	2	149.0	10	100
190304028U	28 x 3/4"	42	38	2	129.0	10	100
190100028U	28 x 1"	47	41	2	152.0	10	100
190114028U	28 x 1 1/4"	49	46	2	153.0	10	100
190100035U	35 x 1"	51	46	2	218.0	5	80
190114035U	35 x 1 1/4"	54	46	2	163.0	5	50
190114042U	42 x 1 1/4"	60	55	2	309.0	4	40
190112042U	42 x 1 1/2"	60	55	2	246.0	4	40
190112054U	54 x 1 1/2"	63	67	1	455.0	4	32
190200054U	54 x 2"	70	67	2	365.0	4	20

**269/M****B 10 11****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: AISI 316L – 1.4404**THREAD:** EN 10226-1 (ex ISO 7/1)

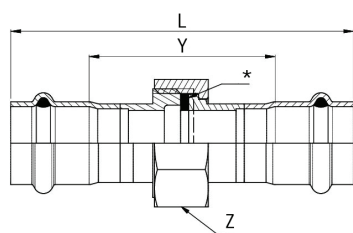
CODE	De x R mm x inch	L mm	Z mm	Y mm			
269102115	15 x 1/2"	52	31	22	55	20	300
269102118	18 x 1/2"	52	31	22	50	20	300
269304118	18 x 3/4"	55	31	27	95	20	200
269102122	22 x 1/2"	55	32	27	69	10	200
269304122	22 x 3/4"	56	32	27	80	10	200
269304128	28 x 3/4"	61	37	30	97	10	150
269100128	28 x 1"	64	37	38	145	10	100
269114135	35 x 1 1/4"	72	41	45	238	4	40
269112142	42 x 1 1/2"	91	55	55	292	4	40
269200154	54 x 2"	127	83	65	463	4	20

**269/F****B 10 11****MANICOTTO CON INSERIMENTO FILETTO F**

- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: AISI 316L – 1.4404
THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
269102015	15 x 1/2"	52	31	24	55	20	300
269102018	18 x 1/2"	52	31	24	56	20	200
269304018	18 x 3/4"	51	31	30	57	20	200
269102022	22 x 1/2"	52	32	24	65	10	200
269304022	22 x 3/4"	52	32	30	70	10	200
269304028	28 x 3/4"	57	37	30	76	10	150
269100028	28 x 1"	57	35	36	104	10	100
269114035	35 x 1 1/4"	70	45	46	182	5	50
269112042	42 x 1 1/2"	118	78	55	280	4	40
269200054	54 x 2"	135	83	70	340	2	10

**184/001 U****B 10 22****BOCCHETTONE SEDE PIANA**

- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT
PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC
MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: AISI 316L – 1.4404
O-RING: EPDM nero - black - Schwarz - noir - negro
GASKET: [*]: EPDM nero - black - Schwarz - noir - negro

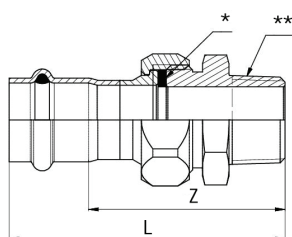
CODE	De mm	L mm	Y mm	Z mm	Gasket mm			
184015001U	15	100	56	34	24x14 thk 2,5	162	10	100
184018001U	18	101	57	39	30x20 thk 2,5	207	10	100
184022001U	22	105	57	39	30x20 thk 2,5	219	10	80
184028001U	28	120	72	58	47,5x37 thk 2,5	498	5	30
184035001U	35	127,5	71,5	67	56x42 thk 2,5	661	4	20
184042001U	42	152	80	77	66x56 thk 2,5	875	2	20
184054001U	54	165,5	83,5	90	79,5x69 thk 2,5	1250	2	10

B 10 22

184/002 U

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L - 1.4404**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

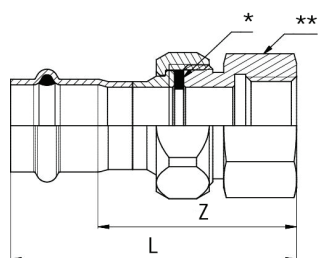
CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002U	15 x 1/2"	78,5	56,5	24x14 thk 2,5	150	2	120
184018002U	18 x 1/2"	79	57	24x14 thk 2,5	150	2	120
184022002U	22 x 3/4"	83,5	59,5	30x20 thk 2,5	221	2	80
184028002U	28 x 1"	91,5	67,5	39x27 thk 2,5	391	2	50
184035002U	35 x 1 1/4"	101	73	44,5x34 thk 2,5	582	2	30
184042002U	42 x 1 1/2"	110,5	74,5	50,5x40 thk 2,5	629	2	30
184054002U	54 x 2"	123	82	65,5x53,5 thk 3	1182	2	16

B 10 22

184/003 U

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L - 1.4404**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

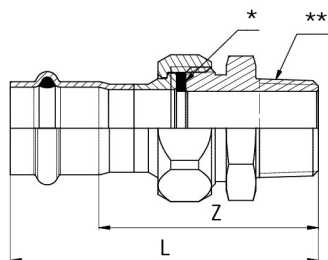
CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003U	15 x 1/2"	73	51	24x14 thk 2,5	155	2	120
184018003U	18 x 1/2"	73,5	51,5	24x14 thk 2,5	155	2	120
184022003U	22 x 3/4"	78,5	54,5	30x20 thk 2,5	229	2	80
184028003U	28 x 1"	84	60	39x27 thk 2,5	438	2	40
184035003U	35 x 1 1/4"	93	65	44,5x34 thk 2,5	538	2	30
184042003U	42 x 1 1/2"	102,5	66,5	50,5x40 thk 2,5	597	2	30
184054003U	54 x 2"	121	80	65,5x53,5 thk 3	1192	2	16

B 10 22

184/002 INOX U

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 316L – 1.4404**FITTING:** (**): AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** (*): EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

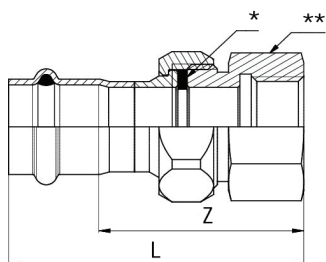
CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002IU	15 x 1/2"	78,5	56,5	24x14 thk 2,5	145	2	120
184018002IU	18 x 1/2"	79	57	24x14 thk 2,5	146	2	120
184022002IU	22 x 3/4"	83,5	59,5	30x20 thk 2,5	214	2	80
184028002IU	28 x 1"	91,5	67,5	39x27 thk 2,5	377	2	50
184035002IU	35 x 1 1/4"	101	73	44,5x34 thk 2,5	559	2	30
184042002IU	42 x 1 1/2"	110,5	74,5	44,5x34 thk 2,5	558	2	30
184054002IU	54 x 2"	118	79	56x42 thk 2,5	890	2	16

B 10 22

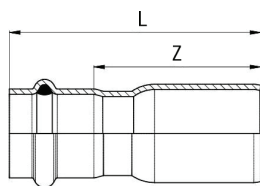
184/003 INOX U

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 316L – 1.4404**FITTING:** (**): AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** (*): EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003IU	15 x 1/2"	73	51	24x14 thk 2,5	150	2	120
184018003IU	18 x 1/2"	73,5	51,5	24x14 thk 2,5	151	2	120
184022003IU	22 x 3/4"	78,5	54,5	30x20 thk 2,5	221	2	80
184028003IU	28 x 1"	84	60	39x27 thk 2,5	422	2	40
184035003IU	35 x 1 1/4"	93	65	44,5x34 thk 2,5	519	2	30
184042003IU	42 x 1 1/2"	102,5	66,5	44,5x34 thk 2,5	504	2	30
184054003IU	54 x 2"	123	82	56x42 thk 2,5	921	2	16

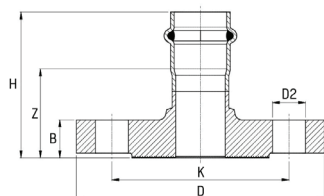
**191 U****RIDUZIONE MF**

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro

≤54 B 10 22
76÷108 B 10 12

CODE	De mm	L mm	Z mm			
191018015U	18 x 15	62,5	40,5	42	20	300
191022015U	22 x 15	78	56	58	20	200
191022018U	22 x 18	68,5	46,5	55	20	300
191028015U	28 x 15	78,5	56,5	66	20	200
191028018U	28 x 18	75	53	69	20	200
191028022U	28 x 22	71,5	47,5	71	20	200
191035015U	35 x 15	89	67	103	10	100
191035018U	35 x 18	89	67	95	10	100
191035022U	35 x 22	85,5	61,5	98	10	100
191035028U	35 x 28	79,5	55,5	101	10	80
191042022U	42 x 22	99,5	75,5	128	4	80
191042028U	42 x 28	103	79	148	4	80
191042035U	42 x 35	95	67	147	4	40
191054028U	54 x 28	110	86	183	4	40
191054035U	54 x 35	113,5	85,5	204	4	40
191054042U	54 x 42	111	75	217	4	32
191076042U	76,1 x 42	155	119	482	4	4
191076054U	76,1 x 54	164	123	539	4	4
191088054U	88,9 x 54	184	146	693	4	4
191108054U	108 x 54	190	149	841	2	2

**193/000 U****B 10 22****MANICOTTO FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 316L – 1.4404**O-RING:** EPDM nero – black – Schwarz – noir – negro**PN 16**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193022000U	22	20	61,5	37,5	16	105	14	4	75	946	2	14
193028000U	28	25	63	39	16	115	14	4	85	1140	2	10
193035000U	35	32	65,5	37,5	16	140	18	4	100	1642	2	6
193042000U	42	40	75	39	16	150	18	4	110	1814	2	6
193054000U	54	50	82,5	41,5	18	165	18	4	125	2467	2	4

Campi di applicazione / Fields of application

inoxPRES® UNIKO® 304L



Riscaldamento
Heating



Raffrescamento
Cooling



Acque di processo
Process water



Aria compressa
Compressed air



Antincendio
Fire protection systems

inoxPRES® UNIKO® 304L O-ring EPDM

Nero | Black | Schwarz | Noir | Negro





I prezzi dei tubi sono validi fino a nuova comunicazione.
Pipe prices are valid until new update.
Die Rohrpreise gelten bis auf weiteres.
Les prix des tubes sont valables jusqu'à nouvelle communication.
Los precios de las tuberías son válidos hasta nueva comunicación.

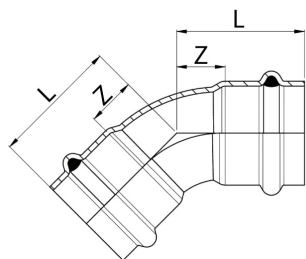
114/200 6 m**B 30 34****TUBO IN ACCIAIO INOSSIDABILE**

- STAINLESS STEEL PIPE
- EDELSTAHL ROHR
- TUBE EN ACIER INOXYDABLE
- TUBO DE ACERO INOXIDABLE

NORM: EN 10217-7 (DIN 17455) - EN 10312
NOTE: Paese Italia - conforme al DM 174 per veicolazione acqua potabile;
Italy country - according to DM 174 for drinking water transport;

Mat. Nr.: 1.4307 (AISI 304L) L=6 m**Crudo - Not annealed - Ungeglüht - Non-hypertrempé - Crudo**

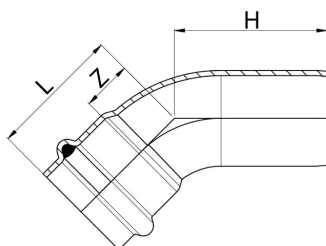
CODE	Dimensions mm x mm	Ø int mm	L m	 kg/m	Volume l/m	Minimum package m	Bundle m
114015200	15 x 1,0	13	6	0,351	0,133	60	1014
114018200	18 x 1,0	16	6	0,426	0,201	60	1014
114022200	22 x 1,2	19,6	6	0,625	0,302	60	762
114028200	28 x 1,2	25,6	6	0,805	0,514	30	546
114035200	35 x 1,5	32	6	1,258	0,804	30	546
114042200	42 x 1,5	39	6	1,521	1,194	30	366
114054200	54 x 1,5	51	6	1,972	2,042	30	366

**181/450 UNW****B 10 23****CURVA 45° FF**

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

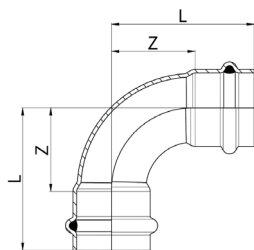
CODE	De mm	Radius	L mm	Z mm			
181015450CUNW	15	1,2 De	29,5	7,5	42	20	300
181018450CUNW	18	1,2 De	31,5	9,5	50	20	300
181022450CUNW	22	1,2 De	34	10	67	20	100
181028450CUNW	28	1,2 De	39	15	96	10	100
181035450UNW	35	1,2 De	47,5	19,5	140	10	60
181042450UNW	42	1,2 De	59	23	212	4	32
181054450UNW	54	1,2 De	69	28	308	2	20

**181/451 UNW****B 10 23****CURVA 45° MF**

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

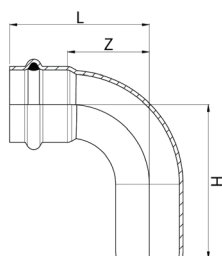
CODE	De mm	Radius	L mm	H mm	Z mm			
181015451CUNW	15	1,2 De	29,5	36,5	7,5	39	20	300
181018451CUNW	18	1,2 De	31,5	38	9,5	48	20	300
181022451CUNW	22	1,2 De	34	42	10	65	20	100
181028451CUNW	28	1,2 De	39	45	15	92	10	100
181035451UNW	35	1,2 De	47,5	57,5	19,5	141	10	60
181042451UNW	42	1,2 De	59	72	23	213	4	40
181054451UNW	54	1,2 De	69	78	28	305	2	20

**181/900 UNW****B 10 23****CURVA 90° FF**

- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	Radius	L mm	Z mm			
181015900CUNW	15	1,2 De	40	18	49	20	300
181018900CUNW	18	1,2 De	42	20	60	20	200
181022900CUNW	22	1,2 De	49	25	83	10	100
181028900CUNW	28	1,2 De	58	34	122	10	100
181035900UNW	35	1,2 De	72	44	181	5	50
181042900UNW	42	1,2 De	88	52	273	2	30
181054900UNW	54	1,2 De	107	66	409	2	16

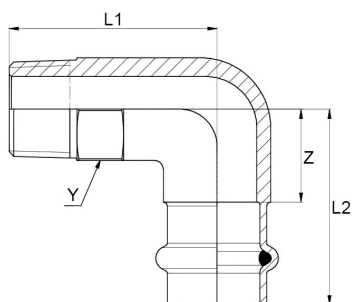
**181/901 UNW****B 10 23****CURVA 90° MF**

- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	Radius	L mm	H mm	Z mm			
181015901CUNW	15	1,2 De	40	41	18	43	20	300
181018901CUNW	18	1,2 De	42	44	20	54	20	200
181022901CUNW	22	1,2 De	49	51	25	76	10	100
181028901CUNW	28	1,2 De	58	58	34	111	10	100
181035901UNW	35	1,2 De	72	82	44	182	5	50
181042901UNW	42	1,2 De	88	100	52	272	2	30
181054901UNW	54	1,2 De	107	120	66	414	2	16

B 10 23

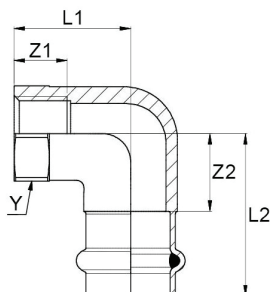
**197 UNW****GOMITO MISTO 90° FILETTO M**

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUERRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
197102015UNW	15 x 1/2"	44,5	42	20	22	116	10	150
197102018UNW	18 x 1/2"	44,5	42	20	22	124	10	150

B 10 23

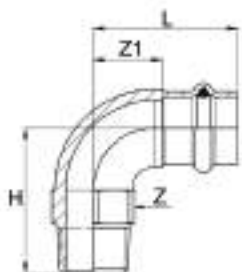
**198 UNW****GOMITO MISTO 90° FILETTO F**

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUERRE 90° AVEC FILETAGE F
- CODO HEMBRA

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
198102015UNW	15 x 1/2"	33	44	15	22	27	129	10	150
198102018UNW	18 x 1/2"	33	44	15	22	27	137	10	150
198102022UNW	22 x 1/2"	33	46	15	22	27	148	10	100
198304022UNW	22 x 3/4"	38	46	19	22	30	155	10	100
198100028UNW	28 x 1"	48	51	21	27	40	349	5	50

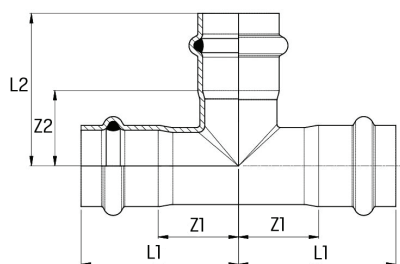
B 10 23

**186/M UNW****CURVA FILETTATA 90° FILETTO M**

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

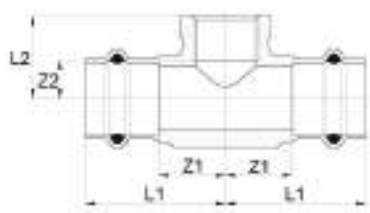
CODE	De x R mm x inch	L mm	H mm	Z mm	Z1 mm			
186102015CUNW	15 x 1/2"	39	39	22	17	87	20	300
186102018CUNW	18 x 1/2"	42	42	24	20	105	20	200
186304022CUNW	22 x 3/4"	47	49	28	24	153	10	100
186100028CUNW	28 x 1"	54	63	36	30	275	10	50

**182 UNW****B 10 23****“T”**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
182015000UNW	15	43	41	21	19	81	20	200
182018000UNW	18	45	43	23	21	97	20	100
182022000UNW	22	49	47,5	25	23,5	128	10	80
182028000UNW	28	52	51,5	28	27,5	168	5	50
182035000UNW	35	62	58,5	34	30,5	236	4	32
182042000UNW	42	75	70,5	39	34,5	352	4	20
182054000UNW	54	89	83,5	48	42,5	516	2	12

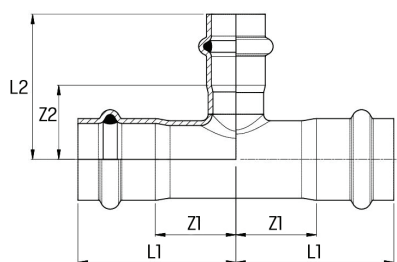
**189 UNW****B 10 23****“T” CON DERIVAZIONE FILETTO F**

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
189102015UNW*	15 x 1/2" x 15	38,5	22,5	16,5	8,5	120	20	100
189102018UNW*	18 x 1/2" x 18	38	24	16	10	132	20	100
189102022UNW*	22 x 1/2" x 22	41	26	18	12	164	10	100
189304022UNW*	22 x 3/4" x 22	43,5	30	20,5	14	189	10	100
189102028UNW*	28 x 1/2" x 28	42	29	18	15	203	10	50
189304028UNW*	28 x 3/4" x 28	45	30	21	14	226	10	50
189100028UNW*	28 x 1" x 28	45	34	21	16	271	5	50
189102035UNW	35 x 1/2" x 35	62	50	34	35	231	5	40
189102042UNW	42 x 1/2" x 42	75	53,5	39	38,5	319	4	20
189102054UNW	54 x 1/2" x 54	89	61	48	46	448	2	14

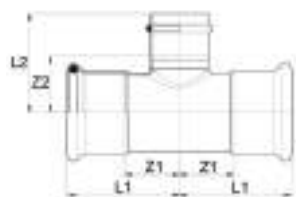
[*] senza saldatura – seamless – nahtlos – sans soudure – sin soldadura

**192 UNW****B 10 23****"T" RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

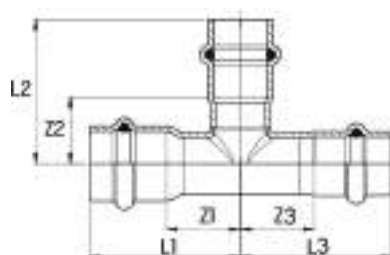
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192018015UNW	18 x 15 x 18	45	42,5	23	20,5	94	20	100
192022015UNW	22 x 15 x 22	49	45	25	23	116	10	100
192022018UNW	22 x 18 x 22	49	45,5	25	23,5	119	10	100
192028015UNW	28 x 15 x 28	52	47,5	28	25,5	148	10	50
192028018UNW	28 x 18 x 28	52	48	28	26	152	10	50
192028022UNW	28 x 22 x 28	52	50	28	26	158	10	50
192035015UNW	35 x 15 x 35	62	51	34	29	204	5	35
192035018UNW	35 x 18 x 35	62	51,5	34	29,5	207	5	35
192035022UNW	35 x 22 x 35	62	53,5	34	29,5	214	5	35
192035028UNW	35 x 28 x 35	62	55	34	31	224	5	35
192042018UNW	42 x 18 x 42	75	55	39	33	295	4	20
192042022UNW	42 x 22 x 42	75	57	39	33	301	4	20
192042028UNW	42 x 28 x 42	75	58,5	39	34,5	311	4	20
192042035UNW	42 x 35 x 42	75	61	39	33	322	4	20
192054022UNW	54 x 22 x 54	89	64,5	48	40,5	431	2	16
192054028UNW	54 x 28 x 54	89	66	48	42	440	2	16
192054035UNW	54 x 35 x 54	89	68,5	48	40,5	451	2	16
192054042UNW	54 x 42 x 54	89	78	48	42	480	2	16

**192 M_UNW****B 10 33****"T" RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

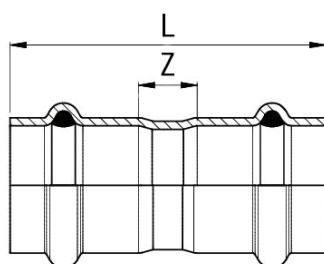
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
192076028UNW	76,1 x 28 x 76,1	108	78	53	54	964	2	2
192076035UNW	76,1 x 35 x 76,1	108	80,5	53	52,5	975	2	2
192076042UNW	76,1 x 42 x 76,1	108	90	53	54	1004	2	2
192076054UNW	76,1 x 54 x 76,1	108	95,5	53	54,5	1034	2	2
192088028UNW	88,9 x 28 x 88,9	132	95,5	72	61,5	1329	2	2
192088054UNW	88,9 x 54 x 88,9	132	103	72	62	1398	2	2
192108054UNW	108 x 54 x 108	155	112,5	80	71,5	1990	2	2

**192/L UNW****B 10 23****“T” RIDOTTO**

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

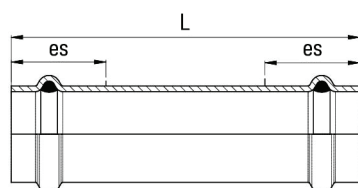
CODE	De mm	L1 mm	L2 mm	L3 mm	Z1 mm	Z2 mm	Z3 mm			
192181515UNW	18 x 15 x 15	43	43	41	21	21	19	85	20	100

**183/000 UNW****B 10 23****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	Z mm			
183015000UNW	15	57	13	42	20	400
183018000UNW	18	57	13	49	20	300
183022000UNW	22	59	11	61	20	200
183028000UNW	28	61	13	81	10	150
183035000UNW	35	70	14	111	10	80
183042000UNW	42	84	12	164	4	40
183054000UNW	54	92	10	223	2	24

**183/001 UNW****B 10 23****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

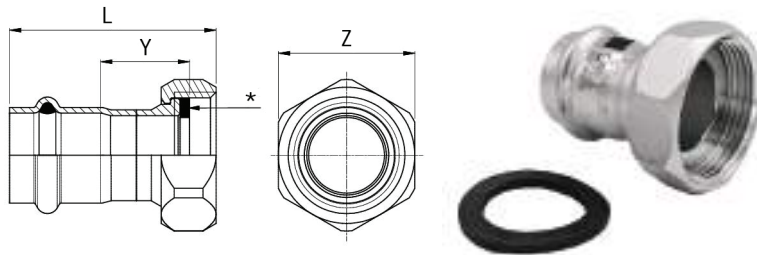
MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	es mm			
183015001UNW	15	82	25	58	20	200
183018001UNW	18	86	25	71	20	200
183022001UNW	22	92	25	91	20	100
183028001UNW	28	101	30	126	10	80
183035001UNW	35	119	30	179	5	50
183042001UNW	42	135	40	248	4	40
183054001UNW	54	158	45	362	2	20

B 10 23

183/002 UNW**MANICOTTO CON DADO FOLLE**

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** ISO 228/1 [ex DIN 259]

CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
183015002UNW	15 x 3/4"	51,5	30	23	24x14 thk 2,5	72	10	250
183018012UNW	18 x 1/2"	50	27	22,5	18x10 thk 2,5	77	10	250
183018002UNW	18 x 3/4"	52	30	23,5	24x14 thk 2,5	73	10	250
183022012UNW	22 x 3/4"	52,5	30	22	24x14 thk 2,5	79	10	200
183022002UNW	22 x 1"	54,5	36	23,5	30x20 thk 2,5	98	10	200
183028012UNW	28 x 1"	53,5	36	22,5	30x20 thk 2,5	106	10	150
183028002UNW	28 x 1 1/4"	57,5	46	25	39x27 thk 2,5	153	10	120
183035002UNW	35 x 1 1/2"	63	52	27	44,5x34 thk 2,5	202	4	60

B 10 23

183/003 UNW**TAPPO DI CHIUSURA**

- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

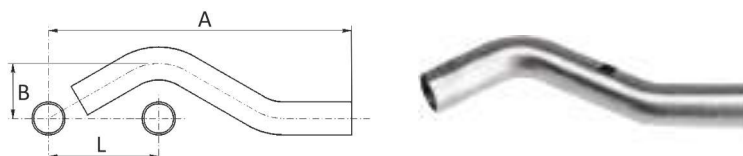
MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	L1 mm			
183015003UNW	15	30	8	25	20	500
183018003UNW	18	30	8	30	20	300
183022003UNW	22	31	8	38	10	200
183028003UNW	28	32	8	52	10	150
183035003UNW	35	34	6	68	5	100
183042003UNW	42	42	6	98	4	80
183054003UNW	54	46	6	137	4	40

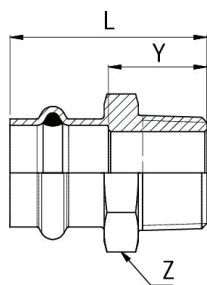
B 10 23

179 NW**"S" DI SCAVALCAMENTO MM**

- PIPE BRIDGE
- SPRUNGBOGEN
- "S" DE CHEVAUCHEMENT MALE
- "S" DE SUPERPOSICIÓN MM

MATERIAL: AISI 304L - 1.4307

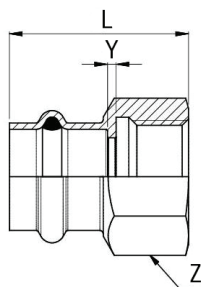
CODE	De mm	L mm	A mm	B mm			
179015000NW	15	57	158	30	54	10	150
179018000NW	18	60	166	31	74	10	100

**187 UNW****B 10 23****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

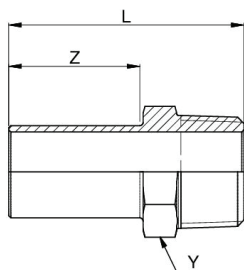
CODE	De x R mm x inch	L mm	Z mm	Y mm	 g		
187102015UNW	15 x 1/2"	42	24	21	60	20	300
187304015UNW	15 x 3/4"	45	30	24	111	10	200
187102018UNW	18 x 1/2"	42	27	21	62	20	300
187304018UNW	18 x 3/4"	45	30	24	102	20	200
187102022UNW	22 x 1/2"	46	32	24	97	10	200
187304022UNW	22 x 3/4"	46	32	24	94	10	200
187100022UNW	22 x 1"	49	36	27	164	10	100
187304028UNW	28 x 3/4"	48	38	25	126	10	100
187100028UNW	28 x 1"	50	38	27	138	10	100
187114028UNW	28 x 1 1/4"	54	46	31	276	10	60
187100035UNW	35 x 1"	54	45	27	182	5	100
187114035UNW	35 x 1 1/4"	58	46	31	214	5	50
187112035UNW	35 x 1 1/2"	58	50	31	311	4	60
187114042UNW	42 x 1 1/4"	65	54	31	279	4	40
187112042UNW	42 x 1 1/2"	65	54	31	276	4	40
187112054UNW	54 x 1 1/2"	73	67	34	460	4	32
187200054UNW	54 x 2"	78	67	39	449	4	32

**190 UNW****B 10 23****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro**THREAD:** EN 10226-1 (ex ISO 7/1)

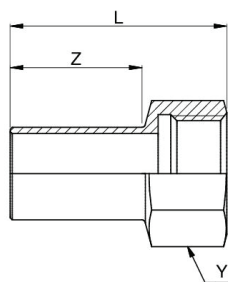
CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
190102015UNW	15 x 1/2"	40	27	2	69	20	240
190304015UNW	15 x 3/4"	41	32	2	84	20	240
190102018UNW	18 x 1/2"	40	27	2	72	20	240
190304018UNW	18 x 3/4"	41	32	2	86	10	200
190102022UNW	22 x 1/2"	40	32	2	106	10	200
190304022UNW	22 x 3/4"	42	32	2	88	10	150
190100022UNW	22 x 1"	46	41	2	162	10	100
190304028UNW	28 x 3/4"	42	38	2	135	10	100
190100028UNW	28 x 1"	47	41	2	163	10	100
190114028UNW	28 x 1 1/4"	49	46	2	169	10	100
190100035UNW	35 x 1"	51	46	2	230	5	80
190114035UNW	35 x 1 1/4"	54	46	2	180	5	50
190114042UNW	42 x 1 1/4"	60	55	2	334	4	40
190112042UNW	42 x 1 1/2"	60	55	2	275	4	40
190112054UNW	54 x 1 1/2"	63	67	1	491	4	32
190200054UNW	54 x 2"	70	67	2	418	4	20

**269/M NW****B 10 23****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: AISI 304L – 1.4307**THREAD:** EN 10226-1 (ex ISO 7/1)

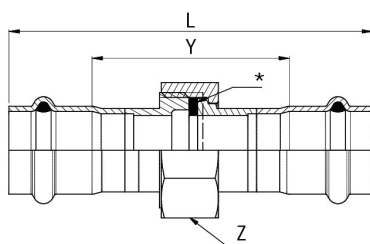
CODE	De x R mm x inch	L mm	Z mm	Y mm			
269102115NW	15 x 1/2"	52	31	22	55	20	300
269102118NW	18 x 1/2"	52	31	22	50	20	300
269304122NW	22 x 3/4"	56	32	27	80	10	200
269100128NW	28 x 1"	64	37	38	145	10	100

**269/F NW****B 10 23****MANICOTTO CON INSERIMENTO FILETTO F**

- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: AISI 304L – 1.4307**THREAD:** EN 10226-1 [ex ISO 7/1]

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
269102015NW	15 x 1/2"	52	31	24	55	20	300
269102018NW	18 x 1/2"	52	31	24	56	20	200
269102022NW	22 x 1/2"	52	32	24	65	10	200
269304022NW	22 x 3/4"	52	32	30	70	10	200
269304028NW	28 x 3/4"	57	37	30	76	10	150
269100028NW	28 x 1"	57	35	36	104	10	100

**184/001 UNW****B 10 23****BOCCHETTONE SEDE PIANA**

- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro**GASKET:** [*]: EPDM nero – black – Schwarz – noir – negro

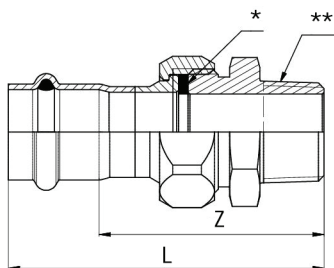
CODE	De mm	L mm	Y mm	Z mm	Gasket mm			
184015001UNW	15	100	56	34	24x14 thk 2,5	162	10	100
184018001UNW	18	101	57	39	30x20 thk 2,5	207	10	100
184022001UNW	22	105	57	39	30x20 thk 2,5	219	10	80
184028001UNW	28	120	72	58	47,5x37 thk 2,5	498	5	30
184035001UNW	35	127,5	71,5	67	56x42 thk 2,5	661	4	20
184042001UNW	42	152	80	77	66x56 thk 2,5	875	2	20
184054001UNW	54	165,5	83,5	90	79,5x69 thk 2,5	1250	2	10

B 10 23

184/002 UNW

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

MATERIAL: AISI 304L - 1.4307**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

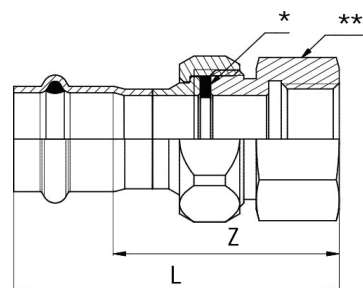
CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
184015002UNW	15 x 1/2"	78,5	56,5	24x14 thk 2,5	150	2	120
184018002UNW	18 x 1/2"	79	57	24x14 thk 2,5	150	2	120
184022002UNW	22 x 3/4"	83,5	59,5	30x20 thk 2,5	221	2	80
184028002UNW	28 x 1"	91,5	67,5	39x27 thk 2,5	391	2	50
184035002UNW	35 x 1 1/4"	101	73	44,5x34 thk 2,5	582	2	30
184042002UNW	42 x 1 1/2"	110,5	74,5	50,5x40 thk 2,5	629	2	30
184054002UNW	54 x 2"	123	82	65,5x53,5 thk 2,5	1182	2	16

B 10 23

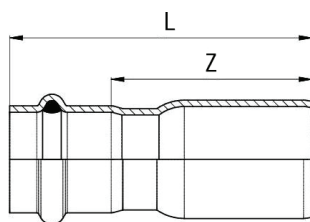
184/003 UNW

BOCCHETTONE SEDE PIANA FILETTO F

- STRAIGHT FEMALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT INNENGEWINDE
- RACCORD UNION TARAUDÉ
- RÁCOR 3 PIEZAS HEMBRA

MATERIAL: AISI 304L - 1.4307**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Gasket mm			
184015003UNW	15 x 1/2"	73	51	24x14 thk 2,5	155	2	120
184018003UNW	18 x 1/2"	73,5	51,5	24x14 thk 2,5	155	2	120
184022003UNW	22 x 3/4"	78,5	54,5	30x20 thk 2,5	229	2	80
184028003UNW	28 x 1"	84	60	39x27 thk 2,5	438	2	40
184035003UNW	35 x 1 1/4"	93	65	44,5x34 thk 2,5	538	2	30
184042003UNW	42 x 1 1/2"	102,5	66,5	50,5x40 thk 2,5	597	2	30
184054003UNW	54 x 2"	121	80	65,5x53,5 thk 2,5	1192	2	16

**191 UNW**

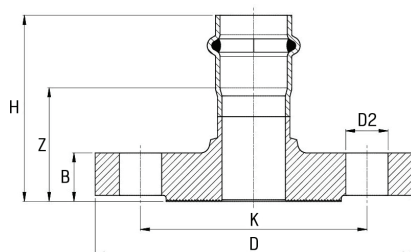
≤54 B 10 23
76÷108 B 10 33

RIDUZIONE MF

- REDUCER
- REDUZIERSTÜCK
- REDUCTION
- REDUCCIÓN MH

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro

CODE	De mm	L mm	Z mm			
191018015UNW	18 x 15	62,5	40,5	42	20	300
191022015UNW	22 x 15	78	56	58	20	300
191022018UNW	22 x 18	68,5	46,5	55	20	300
191028015UNW	28 x 15	78,5	56,5	66	20	200
191028018UNW	28 x 18	75	53	69	20	200
191028022UNW	28 x 22	71,5	47,5	71	20	200
191035015UNW	35 x 15	89	67	103	10	100
191035018UNW	35 x 18	89	67	95	10	100
191035022UNW	35 x 22	85,5	61,5	98	10	100
191035028UNW	35 x 28	79,5	55,5	101	10	80
191042022UNW	42 x 22	99,5	75,5	128	4	80
191042028UNW	42 x 28	103	79	148	4	80
191042035UNW	42 x 35	95	67	147	4	40
191054028UNW	54 x 28	110	86	183	4	40
191054035UNW	54 x 35	113,5	85,5	204	4	40
191054042UNW	54 x 42	111	75	217	4	32
191076042UNW	76,1 x 42	155	119	482	4	4
191076054UNW	76,1 x 54	164	123	539	4	4
191088054UNW	88,9 x 54	184	146	693	4	4
191108054UNW	108 x 54	190	149	841	2	2

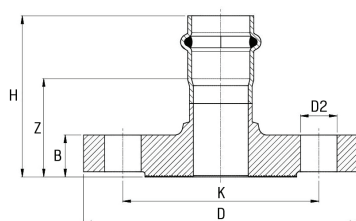
**193/000 UNW****B 10 23****MANICOTTO FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 304L – 1.4307**O-RING:** EPDM nero – black – Schwarz – noir – negro**PN 16**

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193022000UNW	22	20	61,5	37,5	16	105	14	4	75	946	2	14
193028000UNW	28	25	63	39	16	115	14	4	85	1140	2	10
193035000UNW	35	32	65,5	37,5	16	140	18	4	100	1642	2	6
193042000UNW	42	40	75	39	16	150	18	4	110	1814	2	6
193054000UNW	54	50	82,5	41,5	16	165	18	4	125	2467	2	4

B 10 23



NEW

193/002 UNW**MANICOTTO FLANGIATO**

- ADAPTOR FLANGE
- ÜBERGANGSFLANSCH
- BRIDE DE RACCORDEMENT
- BRIDA ADAPTADOR

MATERIAL: AISI 304L - 1.4307**O-RING:** EPDM nero - black - Schwarz - noir - negro

PN 6

CODE	De mm	DN flg	H mm	Z mm	B mm	D mm	D2 mm	Holes Nr.	K mm			
193035002UNW	35	32	63,5	35,5	14	120	14	4	90	1064	2	6
193042002UNW	42	40	73	37	14	130	14	4	100	1202	2	6
193054002UNW	54	50	78,5	37,5	14	140	14	4	110	1365	2	4

Certificazioni / Certifications

		PRODUKTE DER WASSERVERSORGUNG	DW-8511DL0519	Ø 12 – 54 mm
		RACCORDI A PRESSARE IN RAME E BRONZO / COPPER AND BRASS FITTINGS PRODOTTI E COMPONENTI UTILIZZATI A CONTATTO CON ACQUA POTABILE PRODUCT AND ELEMENTS IN CONTACT WITH DRINKING WATER	ICIM-CAP-009671-04	Ø 12 – 54 mm
		SSYSTÉM TRUBEK A LISOVACÍCH TVAROVEK Z MĚDI PIPES AND PRESS FITTINGS SYSTEMS MADE OF COPPER	202/C5/2023/B-00510-23	Ø 12 – 54 mm
		SYSTÈME DE CANALISATIONS MÉTALLIQUES	79-2330_V1	Ø 12 – 54 mm
		ATTESTATION DE CONFORMITE SANITAIRE – SYSTÈME AESPRES UNIKO	23 ACC LY 158	Ø 12 – 54 mm
		STISLJIVI SPOJNI ELEMENTI ZA STROJNE INSTALACIJE	C2572/23	Ø 12 – 54 mm
		TUZVEDELMI MEGFELELŐSÉGÉRŐL	TMI - 3/2025	Ø 12 – 54 mm
		PRESSKOPPLINGAR TILLVERKADE AV KOPPAR	C901193	Ø 12 – 54 mm

Campi di applicazione / Fields of application

AES PRES UNIKO®



Acqua potabile
Potable water



Riscaldamento
Heating



Raffrescamento
Cooling



Solare termico con
O-Ring FKM
Solar thermal
with FKM O-Ring



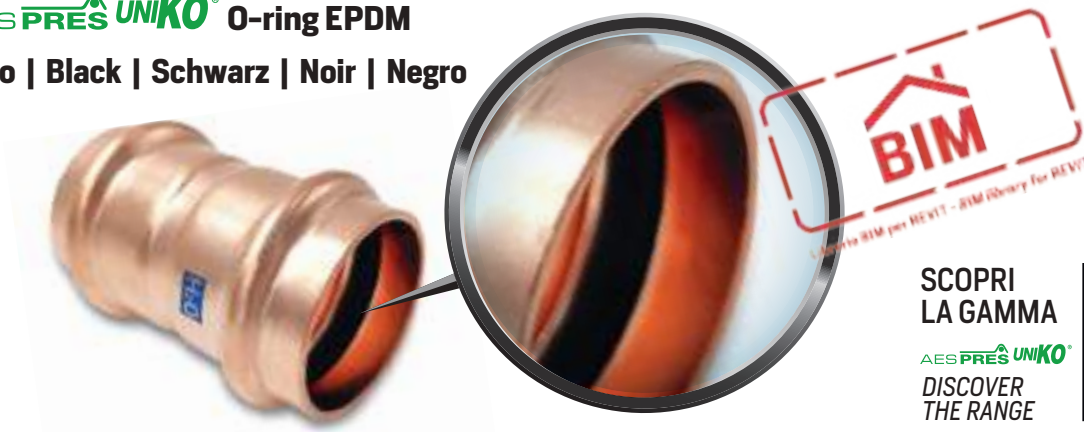
Aria compressa
Compressed Air



Antincendio
Fire protection systems

AES PRES UNIKO® O-ring EPDM

Nero | Black | Schwarz | Noir | Negro



SCOPRI
LA GAMMA

AES PRES UNIKO®
DISCOVER
THE RANGE



FOCUS ON

TUBO RAME PER AESPRES - AESPRES GAS / AESPRES - AESPRES GAS COPPER PIPING

Le tubazioni per impianti acqua e gas in rame, devono essere rispondenti alla norma UNI EN 1057:2010.

Rame e leghe di rame - Tubi rotondi di rame senza saldatura per acqua e gas nelle applicazioni sanitarie e di riscaldamento.

Piping for copper water and gas installation should comply with the standard EN 1057:2010, "Copper and copper alloys - Round tubes in copper without welding for water and gas in health-care and heating applications".

TABELLA 4: CARATTERISTICHE DEI TUBI DI RAME - EN 1057

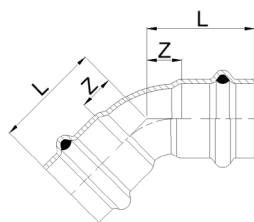
Classe di resistenza	Resistance class	Stato di fornitura	Delivery condition	ø (mm)
R220		Ricotto - Rotoli	Annealed - Roll	12 ÷ 22
R250		Semiduro - Barre	Semi-hard - Bar	12 ÷ 28
R290		Duro - Barre	Hard - Bar	12 ÷ 54
Classe di resistenza	Resistance class	Resistenza minima alla trazione	Minimum traction resistance	Allungamento minimo alla rottura
		Rm (MPa)		Minimum breaking elongation (%)
R220		220		40
R250		250		20
R290		290		3

Le dimensioni dei tubi utilizzabili con i sistemi a pressare **Aespres** ed **Aespres Gas** sono espresse nella tabella sottostante.

*Tube sizes to be used with **Aespres** and **Aespres Gas** press fittings are included in the annexed table.*

DIMENSIONI DEI TUBI DI RAME - EN 1057 / DVGW GW 392
AESPRES PIPES DIMENSIONS AND CHARACTERISTICS - EN 1057 / DVGW GW 392

ø ESTERNO x SP. EXTERNAL ø x THK. mm	DN	ø INTERNO INTERNAL ø mm	MASSA MASS kg/m	CONTENUTO D'ACQUA WATER VOLUME l/m	STATO FORNITURA SUPPLIED CONDITION
12x1	10	10	0,309	0,079	Rotolo / Roll 25/50 m [R220] o / or Barra / Bar 5 m [R250 - R290]
14x1	12	12	0,366	0,113	
15x1	12	13	0,393	0,133	
16x1	14	14	0,422	0,154	
18x1	15	16	0,477	0,201	
22x1	20	20	0,589	0,314	Barra / Bar 5 m [R250 - R290]
28x1,5	25	25	1,115	0,491	
35x1,5	32	32	1,410	0,804	Barra / Bar 5 m [R290]
42x1,5	40	39	1,704	1,194	
54x2	50	50	2,918	1,963	

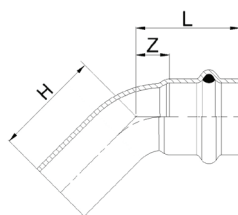
**681/450 U****B 70 77****CURVA 45° FF**

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**NEW****NEW**

CODE	De mm	L mm	Z mm			
681012450U	12	24,5	6	29	10*	400
681014450U	14	27,5	5,5	37	10*	300
681015450U	15	29	7	40	10*	300
681016450U	16	28	6	42	10*	300
681018450U	18	30,5	8,5	49	10*	300
681022450U	22	34	10	70	10*	100
681028450U	28	36	12	93	5*	100
681035450U	35	41	15	132	5*	60
681042450U	42	53	17	211	2*	40
681054450U	54	62	21	305	2*	20

[*] unità minima di vendita / minimum selling quantity

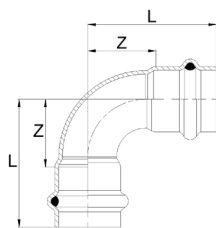
**681/451 U****B 70 77****CURVA 45° MF**

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**NEW****NEW**

CODE	De mm	L mm	H mm	Z mm			
681012451U	12	24,5	31	6	27	10*	400
681014451U	14	27	33	5	33	10*	300
681015451U	15	29	31	7	35	10*	300
681016451U	16	28	33	6	38	10*	300
681018451U	18	30,5	32,5	8,5	44	10*	300
681022451U	22	34	35	10	63	10*	100
681028451U	28	36	45	12	88	5*	100
681035451U	35	41	45,5	15	127	5*	60
681042451U	42	53	63,5	17	208	2*	40
681054451U	54	62	73,5	21	306	2*	20

[*] unità minima di vendita / minimum selling quantity



681/900 U

B 70 77

CURVA 90° FF

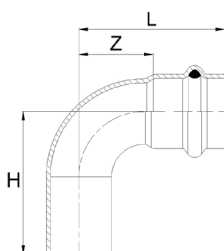
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
681012900U	12	33	14,5	34	10*	400
NEW 681014900U	14	36	14	43	10*	300
681015900U	15	38	16	46	10*	300
NEW 681016900U	16	37	15	48	10*	300
681018900U	18	40	18	56	10*	200
681022900U	22	49	26	87	10*	100
681028900U	28	55	31	122	5*	50
681035900U	35	61	35	169	5*	50
681042900U	42	78	42	267	2*	30
681054900U	54	95	54	401	2*	16

(*) unità minima di vendita / minimum selling quantity



681/901 U

B 70 77

CURVA 90° MF

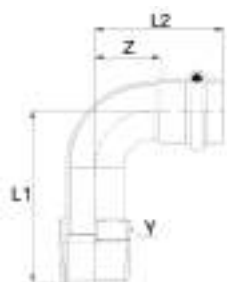
- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	H mm	Z mm			
681012901U	12	33	43,5	14,5	33	10*	400
NEW 681014901U	14	36	40	14	38	10*	300
681015901U	15	38	40	16	41	10*	300
NEW 681016901U	16	37	41	15	44	10*	300
681018901U	18	40	43	18	52	10*	200
681022901U	22	49	48	26	79	10*	100
681028901U	28	55	57	31	114	5*	50
681035901U	35	61	66	35	164	5*	50
681042901U	42	78	88	42	264	2*	30
681054901U	54	95	108	54	400	2*	16

(*) unità minima di vendita / minimum selling quantity

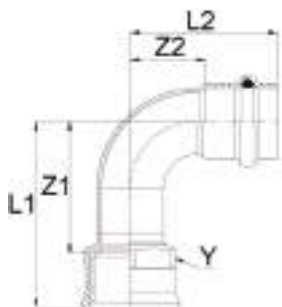
**697 U****B 70 77****CURVA FILETTATA 90° FILETTO M**

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
697308012U	12 x 3/8"	39	33	14,5	17	43	10*	150
697102012U	12 x 1/2"	42	33	14,5	21,5	63	10*	150
697308015U	15 x 3/8"	47	38	16	19	55	10*	150
697102015U	15 x 1/2"	52	38	16	21,5	75	10*	150
697102018U	18 x 1/2"	55	40	18	21,5	83	10*	150
697304018U	18 x 3/4"	57	40	18	27	102	10*	100
697304022U	22 x 3/4"	66	49	26	27	125	10*	100
697100028U	28 x 1"	77	55	31	34	196	5*	50
697114035U	35 x 1 1/4"	91	61	35	43	301	5*	40
697112042U	42 x 1 1/2"	99	78	42	50	408	2*	30
697200054U	54 x 2"	116	95	54	65	650	2*	20

[*] unità minima di vendita / minimum selling quantity

**698 U****B 70 77****CURVA FILETTATA 90° FILETTO F**

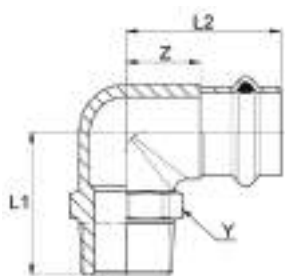
- 90° ELBOW FEMALE BSP
- BOGEN 90° MIT IG
- COUDE 90° AVEC FILETAGE F
- CODO A 90° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
698308012U	12 x 3/8"	38	33	25	14,5	19,5	46	10*	100
698102012U	12 x 1/2"	40	33	24	14,5	19,5	61	10*	100
698308015U	15 x 3/8"	44	38	32	16	21,5	62	10*	100
698102015U	15 x 1/2"	50	38	34	16	24	74	10*	100
698304015U	15 x 3/4"	51	38	34	16	30	96	10*	100
698102018U	18 x 1/2"	53	40	37	18	24	82	10*	100
698304018U	18 x 3/4"	54	40	37	18	30	103	10*	100
698102022U	22 x 1/2"	59	49	43	26	27	124	10*	100
698304022U	22 x 3/4"	63	49	46	26	30	130	10*	100
698100022U	22 x 1"	67	49	47	26	37,5	173	10*	50
698304028U	28 x 3/4"	67	55	50	31	34	184	5*	50
698100028U	28 x 1"	72	55	52	31	37,5	195	5*	50
698114035U	35 x 1 1/4"	88	61	66	35	46	288	5*	40
698112042U	42 x 1 1/2"	94	78	72	42	53	403	2*	20
698200054U	54 x 2"	110	95	84	54	65	588	2*	10

[*] unità minima di vendita / minimum selling quantity

B 70 77



697/B U

GOMITO MISTO 90° FILETTO M

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUEURRE 90° AVEC FILETAGE M
- CODO MACHO

MATERIAL: CuZn21Si3P - CW724R

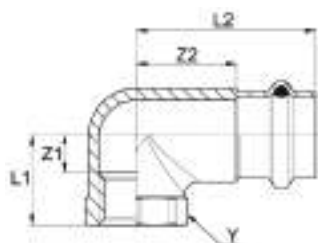
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
697308012BU	12 x 3/8"	31	31	12,5	20	68	10*	200
697102012BU	12 x 1/2"	37	37	18,5	24	106	10*	150
NEW 697102014BU**	14 x 1/2"	34	39	17	20	83	10*	150
697308015BU	15 x 3/8"	35	40	18	22	95	10*	150
697102015BU	15 x 1/2"	35	39	17	24	106	10*	150
NEW 697102016BU**	16 x 1/2"	34	39	17	20	87	10	120
697102018BU	18 x 1/2"	42	42	20	24	130	10*	120
697304018BU	18 x 3/4"	41	46	24	30	163	10*	100
697304022BU	22 x 3/4"	41	44	21	30	182	10*	80
697100028BU	28 x 1"	58	58	34	36	378	5*	50
697114035BU	35 x 1 1/4"	58	58	32	45	465	5*	40
697112042BU	42 x 1 1/2"	65	65	29	50	582	2*	24
697200054BU	54 x 2"	80	83	42	65	1173	2*	16

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K



698/B U

B 70 77

GOMITO MISTO 90° FILETTO F

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUERRE 90° AVEC FILETAGE F
- CODO HEMBRA

MATERIAL: CuZn21Si3P - CW724R**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

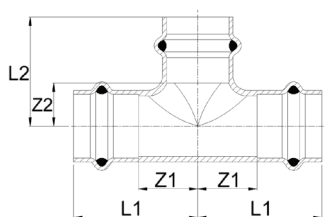
NEW

NEW

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
698308012BU	12 x 3/8"	17	38	12	19,5	24	71	10*	200
698102012BU	12 x 1/2"	20	40	14	21,5	28	93	10*	150
NEW 698102014BU**	14 x 1/2"	21,5	42	8	20	26	84	10*	150
698308015BU	15 x 3/8"	19	46	12	24	24	92	10*	150
698102015BU	15 x 1/2"	22	44	15	22	28	108	10*	150
698304015BU	15 x 3/4"	25	50	18	28	34	149	10*	100
NEW 698102016BU**	16 x 1/2"	22	44	8,5	22	26	88	10*	150
698102018BU	18 x 1/2"	22	46	14	24	28	117	10*	150
698304018BU	18 x 3/4"	24	50	18	28	34	154	10*	100
698102022BU	22 x 1/2"	26	52	15	29	28	159	10*	100
698304022BU	22 x 3/4"	27	52	18	29	34	187	10*	100
698100022BU	22 x 1"	29	59	20	36	43	280	10*	50
698304028BU	28 x 3/4"	27	58	17	34	34	224	5*	50
698100028BU	28 x 1"	33	59	20	35	43	321	5*	50
698114035BU	35 x 1"1/4	39	66	24	40	52	492	5*	40
698112042BU	42 x 1"1/2	43	77	24	41	57	596	2*	30
698200054BU	54 x 2"	55	97	30	56	72	1192	2*	16

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K



682 U

B 70 77

"T"

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro

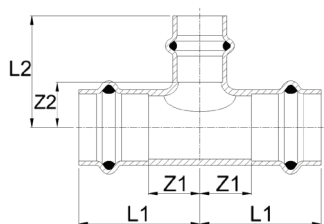
NEW

NEW

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
682012000U	12	31	31	12,5	12,5	57	10*	200
NEW 682014000U	14	35	33	13	11	70	10*	200
682015000U	15	40	33	18	11	81	10*	200
NEW 682016000U	16	36	33,5	14	11,5	79	10*	150
682018000U	18	42	35	20	13	99	10*	100
682022000U	22	44	38	21	15	131	10*	80
682028000U	28	48	43	24	19	180	5*	50
682035000U	35	52	48	26	22	240	5*	30
682042000U	42	65	65	29	29	376	2*	20
682054000U	54	75	75	34	34	579	2*	12

(*) unità minima di vendita / minimum selling quantity

B 70 77



692 U

"T" RIDOTTO

- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

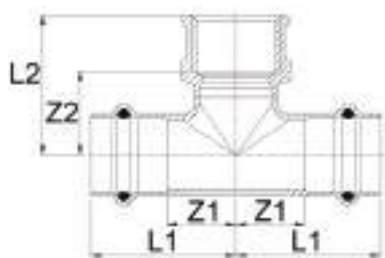
MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

	CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
NEW	692014012U	14 x 12 x 14	35	29,5	13	11,5	66	10*	200
	692015012U	15 x 12 x 15	38,5	31,5	16,5	13	76	10*	200
NEW	692016014U	16 x 14 x 16	36	33,5	14	11,5	78	10*	150
	692018012U	18 x 12 x 18	38,5	33	16,5	14,5	86	10*	100
NEW	692018014U	18 x 14 x 18	38	33,5	16	11,5	87	10*	100
	692018015U	18 x 15 x 18	40	35	18	13	92	10*	100
NEW	692018016U	18 x 16 x 18	38	33,5	16	11,5	103	10*	100
	692022012U	22 x 12 x 22	39,5	35	15,5	16,5	108	10*	80
NEW	692022014U	22 x 14 x 22	40	37	17	15	111	10*	80
	692022015U	22 x 15 x 22	40	37	17	15	112	10*	80
NEW	692022016U	22 x 16 x 22	40	37	17	15	113	10*	80
	692022018U	22 x 18 x 22	42	37	19	15	119	10*	80
	692028015U	28 x 15 x 28	40	44	16	22	140	5*	50
	692028018U	28 x 18 x 28	42	44	18	22	149	5*	50
	692028022U	28 x 22 x 28	44	42	20	19	159	5*	50
	692035015U	35 x 15 x 35	44	48	18	26	185	5*	30
	692035018U	35 x 18 x 35	44	48	18	26	188	5*	30
	692035022U	35 x 22 x 35	46	49	20	26	202	5*	30
	692035028U	35 x 28 x 35	48	46	22	22	213	5*	30
	692042022U	42 x 22 x 42	53	55	17	32	270	2*	20
	692042028U	42 x 28 x 42	55	56	19	32	287	2*	20
	692042035U	42 x 35 x 42	58	55	22	29	310	2*	20
	692054022U	54 x 22 x 54	60	61	19	38	368	2*	12
	692054028U	54 x 28 x 54	62	62	21	38	387	2*	12
	692054035U	54 x 35 x 54	66	64	25	38	423	2*	12
	692054042U	54 x 42 x 54	69	71	28	35	509	2*	12

(*) unità minima di vendita / minimum selling quantity

B 70 77



689 U

“T” CON DERIVAZIONE FILETTO F

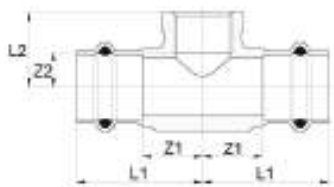
- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689102012U	12 x 1/2" x 12	31	37,5	12,5	21,5	83	10*	100
689308015U	15 x 3/8" x 15	40	33	18	21	94	10*	100
689102015U	15 x 1/2" x 15	40	39	18	23	105	10*	100
689102018U	18 x 1/2" x 18	40	40,5	18	24,5	116	10*	100
689102022U	22 x 1/2" x 22	44	39,5	21	23,5	161	10*	100
689304022U	22 x 3/4" x 22	44	43,5	21	26,5	169	10*	50
689102028U	28 x 1/2" x 28	44	42,5	20	26,5	188	5*	50
689304028U	28 x 3/4" x 28	44	46,5	20	29,5	196	5*	50
689100028U	28 x 1" x 28	48	50	24	30	245	5*	50
689102035U	35 x 1/2" x 35	46	47	20	31	229	5*	50
689102042U	42 x 1/2" x 42	53	51	17	35	295	2*	20
689102054U	54 x 1/2" x 54	60	58	19	42	392	2*	14

(*) unità minima di vendita / minimum selling quantity

B 70 77



689/B U

“T” CON DERIVAZIONE FILETTO F

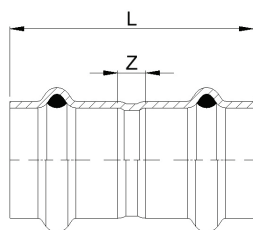
- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: CuZn21Si3P - CW724R**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689308015BU	15 x 3/8" x 15	43,5	22,5	21,5	10,5	123	10*	100
689102015BU	15 x 1/2" x 15	43,5	22,5	21,5	8,5	137	10*	100
NEW 689102016BU**	16 x 1/2" x 16	40,5	22	18,5	10	115	10*	100
689102018BU	18 x 1/2" x 18	44	24	22	10	157	10*	100
689102022BU	22 x 1/2" x 22	45	26	22	12	183	10*	100
689304022BU	22 x 3/4" x 22	48	30	25	14	213	10*	50
689102028BU	28 x 1/2" x 28	47,5	29	23,5	15	233	5*	50
689304028BU	28 x 3/4" x 28	50	30	26	14	254	5*	50
689100028BU	28 x 1" x 28	54	34	30	16	322	5*	50
689102035BU	35 x 1/2" x 35	50,5	34	24,5	19	315	5*	50
689102042BU	42 x 1/2" x 42	63	38	27	23	461	2*	20
689102054BU	54 x 1/2" x 54	74	44	33	30	671	2*	14

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K



683/000 U

B 70 77

MANICOTTO

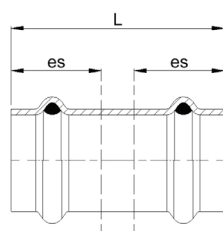
- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm			
683012000U	12	41	4	26	10*	400
NEW 683014000U	14	46	2	33	10*	400
683015000U	15	49	5	36	10*	400
NEW 683016000U	16	46	2	36	10*	300
683018000U	18	49,5	5,5	42	10*	300
683022000U	22	52	6	57	10*	200
683028000U	28	55	7	76	5*	150
683035000U	35	59	7	102	5*	100
683042000U	42	80	8	170	2*	40
683054000U	54	90	8	236	2*	24

(*) unità minima di vendita / minimum selling quantity



683/001 U

B 70 77

MANICOTTO PASSANTE

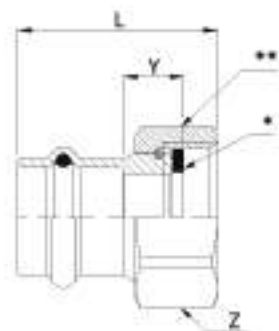
- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	es mm			
683012001U	12	41	19	26	10*	200
NEW 683014001U	14	46	22	33	10*	200
683015001U	15	49	22	36	10*	200
NEW 683016001U	16	46	22	36	10*	200
683018001U	18	49,5	22	42	10*	200
683022001U	22	52	23	57	10*	200
683028001U	28	55	24	76	5*	80
683035001U	35	59	26	102	5*	50
683042001U	42	80	36	170	2*	40
683054001U	54	90	41	236	2*	20

(*) unità minima di vendita / minimum selling quantity

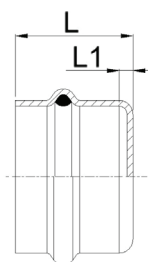
**683/002 U****MANICOTTO CON DADO FOLLE**

- VALVE CONNECTOR
- ANSCHLUSSVERSCHRAUBUNG
- RACCORD ÉCROU LIBRE
- RÁCOR DOS PIEZAS

MATERIAL: Cu-DHP99,9 - CW024A**FITTING:** [**]: ottone - brass - Messing - laiton - latón**O-RING:** EPDM nero - black - Schwarz - noir - negro**GASKET:** [*]: EPDM nero - black - Schwarz - noir - negro**THREAD:** ISO 228/1 [ex DIN 259]

	CODE	De x G mm x inch	L mm	Z mm	Y mm	Gasket mm			
NEW	683012022U	12 x 3/8"	40,8	21	18,5	14,5x10 thk 2,5	39	10*	250
NEW	683012012U	12 x 1/2"	44,1	24	20,5	18x10 thk 2,5	49	10*	250
NEW	683014022U	14 x 3/8"	44,8	21	18,5	14,5x10 thk 2,5	44	10*	250
NEW	683014012U	14 x 1/2"	48,1	24	20,5	18x13 thk 2,5	53	10*	250
NEW	683014002U	14 x 3/4"	50,5	30	21,5	24x14 thk 2,5	76	10*	250
	683015012U	15 x 1/2"	49	25	21,5	18x10 thk 2,5	72	10*	250
	683015002U	15 x 3/4"	39	30	11,5	24x14 thk 2,5	81	10*	250
NEW	683016012U	16 x 1/2"	48,1	24	20,5	18x13 thk 2,5	55	10*	250
NEW	683016002U	16 x 3/4"	50,5	30	21,5	24x14 thk 2,5	78	10*	250
	683018002U	18 x 3/4"	40	30	12,5	24x14 thk 2,5	86	10*	250
	683022012U	22 x 3/4"	53	30	24,5	24x14 thk 2,5	121	10*	200
	683022002U	22 x 1"	44	36	13,5	30x20 thk 2,5	122	10*	200
	683028012U	28 x 1"	58	36	26,5	30x20 thk 2,5	166	5*	150
	683028002U	28 x 1"1/4	47	46	15	39x27 thk 2,5	186	5*	120
	683028022U	28 x 1"1/2	47	55	14	44,5x30 thk 2,5	285	5*	120
	683035012U	35 x 1"1/4	64	46	30,5	39x27 thk 2,5	267	5*	60
	683035002U	35 x 1"1/2	52	55	17,5	44,5x30 thk 2,5	311	5*	60
	683042022U	42 x 1"1/2	76	55	31,5	44,5x30 thk 2,5	435	2*	30
	683042002U	42 x 2"	61	65	12,5	56x42 thk 2,5	367	2*	30
	683054022U	54 x 2"	91,5	65	38,5	56x42 thk 2,5	578	2*	20
	683054002U	54 x 2"1/2	72,5	82	17	71,5x53 thk 3	647	2*	20

[*] unità minima di vendita / minimum selling quantity



683/003 U

B 70 77

TAPPO DI CHIUSURA

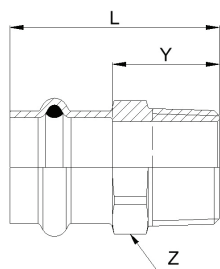
- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	L1 mm			
683012003U	12	22	5	14	10*	500
NEW 683014003U	14	24,8	2,8	19	10*	500
683015003U	15	25,5	3,5	20	10*	500
NEW 683016003U	16	25,3	3,3	21	10*	300
683018003U	18	25,5	3,5	23	10*	300
683022003U	22	26,5	3,5	33	10*	200
683028003U	28	27,5	3,5	45	5*	150
683035003U	35	30	4	62	5*	100
683042003U	42	40	4	101	2*	80
683054003U	54	46	5	145	2*	40

(*) unità minima di vendita / minimum selling quantity

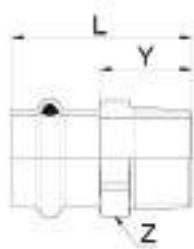
**687 U****B 70 77****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm	 g		
687308012U	12 x 3/8"	37,5	17	19	34	10*	300
687102012U	12 x 1/2"	40,5	21,5	22	52	10*	300
687308015U	15 x 3/8"	40	19	18	37	10*	300
687102015U	15 x 1/2"	44	22	22	54	10*	300
687304015U	15 x 3/4"	46	27	24	70	10*	200
687102018U	18 x 1/2"	44	22	22	57	10*	300
687304018U	18 x 3/4"	46	27	24	72	10*	200
687102022U	22 x 1/2"	45	27	22	79	10*	200
687304022U	22 x 3/4"	47	27	24	77	10*	200
687100022U	22 x 1"	52	34	29	126	10*	100
687304028U	28 x 3/4"	48	34	24	107	5*	100
687100028U	28 x 1"	53	34	29	127	5*	100
687114028U	28 x 1"1/4	55	43	31	187	5*	60
687100035U	35 x 1"	56	40	29	162	5*	100
687114035U	35 x 1"1/4	57	43	31	188	5*	50
687112035U	35 x 1"1/2	57	49	31	233	5*	50
687114042U	42 x 1"1/4	67	49	31	256	2*	40
687112042U	42 x 1"1/2	68	49	32	252	2*	40
687112054U	54 x 1"1/2	73	61	32	370	2*	32
687200054U	54 x 2"	78	61	37	372	2*	32

[*] unità minima di vendita / minimum selling quantity



687/B U

B 70 77

MANICOTTO MISTO FILETTO M

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: CuSn5Zn5Pb2-C - CC499K

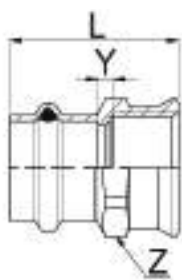
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

	CODE	De x R mm x inch	L mm	Z mm	Y mm			
NEW	687308014BU**	14 x 3/8"	38,5	19	16,5	37	10*	300
NEW	687102014BU**	14 x 1/2"	41,5	21	19,5	48	10*	300
	687308015BU	15 x 3/8"	40	19	18	37	10*	300
	687102015BU	15 x 1/2"	44	21,5	22	54	10*	300
	687304015BU	15 x 3/4"	46	27	24	70	10*	200
NEW	687102016BU**	16 x 1/2"	41,5	21	19,5	48	10*	300
NEW	687304016BU**	16 x 3/4"	43	27	21	68	10*	200
	687102018BU	18 x 1/2"	44	21,5	22	56	10*	300
	687304018BU	18 x 3/4"	46	27	24	71	10*	200
	687102022BU	22 x 1/2"	45	27	22	77	10*	200
	687304022BU	22 x 3/4"	47	27	24	75	10*	200
	687100022BU	22 x 1"	52	34	29	124	10*	100
	687304028BU	28 x 3/4"	48	34	24	104	5*	100
	687100028BU	28 x 1"	53	34	29	124	5*	100
	687114028BU	28 x 1 1/4"	55	43	31	184	5*	60
	687100035BU	35 x 1"	55	40	29	160	5*	100
	687114035BU	35 x 1 1/4"	57	43	31	186	5*	50
	687112035BU	35 x 1 1/2"	57	49	31	231	5*	50
	687114042BU	42 x 1 1/4"	67	49	31	254	2*	40
	687112042BU	42 x 1 1/2"	68	49	32	249	2*	40
	687112054BU	54 x 1 1/2"	73	61	32	369	2*	32
	687200054BU	54 x 2"	78	61	37	367	2*	32

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K

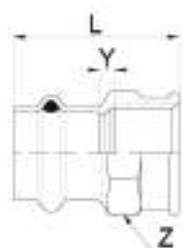
**690 U****B 70 77****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm	 g		
690308012U	12 x 3/8"	35	19,5	3,5	33	10*	240
690102012U	12 x 1/2"	38,5	24	4	49	10*	240
690308015U	15 x 3/8"	36	21,5	2	41	10*	240
690102015U	15 x 1/2"	43	24	5	53	10*	240
690304015U	15 x 3/4"	43	30	4	76	10*	240
690102018U	18 x 1/2"	42,5	24	4,5	56	10*	240
690304018U	18 x 3/4"	43	30	4	76	10*	200
690102022U	22 x 1/2"	43	26,5	4	82	10*	200
690304022U	22 x 3/4"	44	30	4	80	10*	150
690100022U	22 x 1"	47	37,5	4	121	10*	100
690102028U	28 x 1/2"	42	34	2	137	5*	100
690304028U	28 x 3/4"	43	34	2,5	115	5*	100
690100028U	28 x 1"	47	37,5	3	121	5*	100
690114028U	28 x 1"1/4	54	46	8	181	5*	100
690304035U	35 x 3/4"	45	40	2	182	5*	80
690100035U	35 x 1"	48	40	1,5	159	5*	80
690114035U	35 x 1"1/4	55	46	7	183	5*	50
690114042U	42 x 1"1/4	60	49	4	237	2*	40
690112042U	42 x 1"1/2	64	53	6	251	2*	40
690200054U	54 x 2"	73	65	6	359	2*	20

[*] unità minima di vendita / minimum selling quantity



690/B U

B 70 77

MANICOTTO MISTO FILETTO F

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: CuSn5Zn5Pb2-C - CC499K

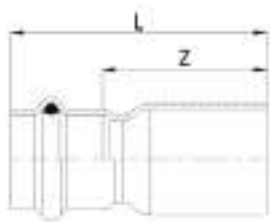
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

	CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
NEW	690308014BU**	14 x 3/8"	38,5	21	4	42	10*	240
NEW	690102014BU**	14 x 1/2"	40	26	3,5	59	10*	240
	690308015BU	15 x 3/8"	36	21,5	2	41	10*	240
	690102015BU	15 x 1/2"	43	24	5	53	10*	240
	690304015BU	15 x 3/4"	43	30	4	75	10*	240
NEW	690102016BU**	16 x 1/2"	40	26	3,5	62	10*	240
NEW	690304016BU**	16 x 3/4"	42,5	31	4	78	10*	240
	690102018BU	18 x 1/2"	42,5	24	4,5	56	10*	240
	690304018BU	18 x 3/4"	43	30	4	76	10*	200
	690102022BU	22 x 1/2"	43	26,5	4	82	10*	200
	690304022BU	22 x 3/4"	44	30	4	80	10*	150
	690100022BU	22 x 1"	47	37,5	4	120	10*	100
	690102028BU	28 x 1/2"	42	34	2	137	5*	100
	690304028BU	28 x 3/4"	43	34	-	114	5*	100
	690100028BU	28 x 1"	47	37,5	3	120	5*	100
	690114028BU	28 x 1 1/4"	54	46	8	181	5*	100
	690304035BU	35 x 3/4"	45	40	2	182	5*	80
	690100035BU	35 x 1"	48	40	-	159	5*	80
	690114035BU	35 x 1 1/4"	55	46	7	183	5*	50
	690114042BU	42 x 1 1/4"	60	49	4	237	2*	40
	690112042BU	42 x 1 1/2"	64	53	6	250	2*	40
	690200054BU	54 x 2"	73	65	6	358	2*	20

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K

**691 U****B 70 77****RIDUZIONE MF**

- REDUCER MF
- REDUZIERSTÜCK A/I
- REDUCTION MF
- REDUCCIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** EPDM nero - black - Schwarz - noir - negro

	CODE	De mm	L mm	Z mm			
NEW	691014012U	14 x 12	43	25	23	10*	300
	691015012U	15 x 12	47	28,5	26	10*	300
NEW	691016012U	16 x 12	44	26	25	10*	300
NEW	691016014U	16 x 14	47	25	29	10*	300
	691018012U	18 x 12	48	29,5	30	10*	300
NEW	691018014U	18 x 14	49	27	32	10*	300
	691018015U	18 x 15	56	34	37	10*	300
NEW	691022014U	22 x 14	52	30	38	10*	300
	691022015U	22 x 15	60	38	44	10*	300
NEW	691022016U	22 x 16	52	30	40	10*	300
	691022018U	22 x 18	58	36	46	10*	300
	691028015U	28 x 15	67	45	57	5*	200
	691028018U	28 x 18	65	43	59	5*	200
	691028022U	28 x 22	64	41	68	5*	200
	691035022U	35 x 22	71	48	86	5*	100
	691035028U	35 x 28	68	44	91	5*	80
	691042022U	42 x 22	89	66	126	2*	80
	691042028U	42 x 28	87	63	132	2*	80
	691042035U	42 x 35	85	59	143	2*	40
	691054035U	54 x 35	97	71	194	2*	40
	691054042U	54 x 42	104	68	222	2*	32

[*] unità minima di vendita / minimum selling quantity

B 70 77

684/001 U

BOCCHETTONE SEDE PIANA

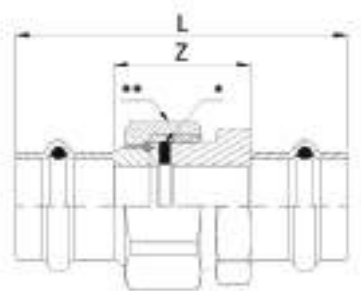
- FLAT FACED UNION
- DURCHGANGSVERSCHRAUBUNG MIT PRESSENDEN FLACHDICHTEND
- ÉLÉMENT DE TRANSITION FILTÉ PLAT AVEC MANCHONS DES 2 CÔTES
- RÁCOR 3 PIEZAS PLANO

MATERIAL: Cu-DHP99,9 - CW024A

FITTING: (**): ottone - brass - Messing - laitón - latón

O-RING: EPDM nero - black - Schwarz - noir - negro

GASKET: (*): EPDM nero - black - Schwarz - noir - negro



CODE	De mm	L mm	Z mm	Gasket mm			
684012001U	12	63	26	18,2x11,2 thk 2	97	10*	100
684015001U	15	73,5	29,5	24x14 thk 2,5	165	10*	100
684018001U	18	74,5	30,5	24x14 thk 2,5	172	10*	100
684022001U	22	78,5	32,5	30x20 thk 2,5	248	10*	80
684028001U	28	83	35	39x27 thk 2,5	380	5*	30
684035001U	35	94,5	42,5	44,5x30 thk 2,5	624	5*	20
684042001U	42	111,5	39,5	56x42 thk 2,5	823	2*	20
684054001U	54	129	47	71,5x53 thk 3	1406	2*	10

(*) unità minima di vendita / minimum selling quantity

B 70 77

684/002 U

BOCCHETTONE SEDE PIANA FILETTO M

- STRAIGHT MALE UNION CONNECTOR
- DURCHGANGSVERSCHRAUBUNG MIT AUSSENGEWINDE
- RACCORD UNION FILETÉ
- RÁCOR 3 PIEZAS ROSCADO MACHO

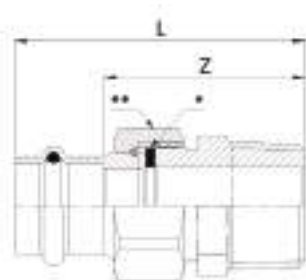
MATERIAL: Cu-DHP99,9 - CW024A

FITTING: (**): ottone - brass - Messing - laitón - latón

O-RING: EPDM nero - black - Schwarz - noir - negro

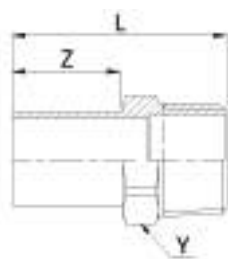
GASKET: (*): EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)



CODE	De x R mm x inch	L mm	Z mm	Gasket mm			
684012012U	12 x 3/8"	56,5	38	18,2x11,2 thk 2	123	10*	120
684012002U	12 x 1/2"	59,5	41	18,2x11,2 thk 2	111	10*	120
684015002U	15 x 1/2"	66,5	30,5	24x14 thk 2,5	162	10*	120
684015012U	15 x 3/4"	67,5	45,5	24x14 thk 2,5	191	10*	80
684018002U	18 x 1/2"	67,5	45,5	24x14 thk 2,5	167	10*	120
684018012U	18 x 3/4"	68,5	46,5	24x14 thk 2,5	196	10*	80
684022022U	22 x 1/2"	80,5	57,5	24x14 thk 2,5	202	10*	120
684022002U	22 x 3/4"	81,5	58,5	24x14 thk 2,5	232	10*	80
684022012U	22 x 1"	75,5	52,5	30x20 thk 2,5	306	10*	50
684028012U	28 x 3/4"	86,5	62,5	30x20 thk 2,5	297	5*	80
684028002U	28 x 1"	81	57	39x27 thk 2,5	410	5*	50
684035002U	35 x 1 1/4"	90,5	64,5	44,5x30 thk 2,5	675	5*	30
684042002U	42 x 1 1/2"	96,5	60,5	56x42 thk 2,5	863	2*	30
684054002U	54 x 2"	113	72	71,5x53 thk 3	1520	2*	16

(*) unità minima di vendita / minimum selling quantity

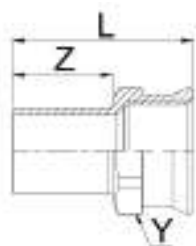
**669/M U****B 70 77****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: Cu-DHP99,9 - CW024A**THREAD:** EN 10226-1 [ex ISO 7/1]

CODE	De x R mm x inch	L mm	Z mm	Y mm			
669102112U	12 x 1/2"	44	22	21,5	49	10*	300
669102115U	15 x 1/2"	47	25	22	51	10*	300
669102118U	18 x 1/2"	47	25	22	53	10*	300
669304118U	18 x 3/4"	49	25	27	71	10*	200
669102122U	22 x 1/2"	48	26	24	63	10*	200
669304122U	22 x 3/4"	50	26	27	72	10*	200
669304128U	28 x 3/4"	53	29	30	83	5*	150
669100128U	28 x 1"	58	29	34	121	5*	100
669114135U	35 x 1"1/4	62	31	43	188	5*	40
669112142U	42 x 1"1/2	78	46	50	255	2*	40
669200154U	54 x 2"	88	51	65	414	2*	20

[*] unità minima di vendita / minimum selling quantity

**669/F U****B 70 77****MANICOTTO CON INSERIMENTO FILETTO F**

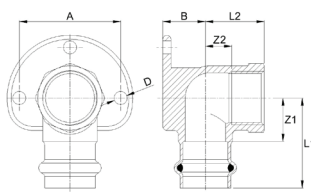
- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A**THREAD:** EN 10226-1 [ex ISO 7/1]

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
669308012U	12 x 3/8"	39	22	21,5	41	10*	300
669102012U	12 x 1/2"	42	22	24	48	10*	300
669308015U	15 x 3/8"	40	25	21,5	40	10*	300
669102015U	15 x 1/2"	46	25	24	51	10*	300
669102018U	18 x 1/2"	46	25	24	55	10*	200
669304018U	18 x 3/4"	46	25	30	72	10*	200
669102022U	22 x 1/2"	47	26	27	80	10*	200
669304022U	22 x 3/4"	47	26	30	77	10*	200
669304028U	28 x 3/4"	47	29	34	107	5*	150
669100028U	28 x 1"	53	29	37,5	116	5*	100
669114035U	35 x 1"1/4	60	31	46	183	5*	50
669112042U	42 x 1"1/2	74	46	53	253	2*	40
669200054U	54 x 2"	83	51	65	367	2*	10

[*] unità minima di vendita / minimum selling quantity

B 70 77



685/000 U

GOMITO MISTO 90° FF

- WALL PLATE ELBOW 90° WITH FEMALE THREAD
- DECKENWINKEL 90° IG
- EQUEURRE 90° FF
- CODO PLACA HH

MATERIAL: CuZn21Si3P - CW724R

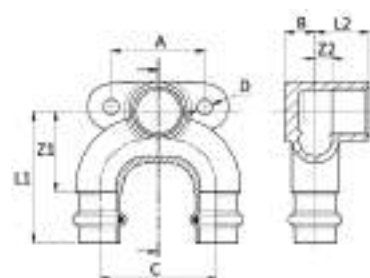
O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm	g		
685102012U	12 x 1/2"	42	27	23,5	13	40	15	7	137	10*	100
NEW 685102014U**	14 x 1/2"	40	25	18	10	40	11	6,2	121	10*	100
685102015U	15 x 1/2"	43,5	22,5	21,5	6,5	40	14	6,5	181	10*	100
NEW 685102016U**	16 x 1/2"	40	24	18	9	40	12	6,2	120	10*	100
685102018U	18 x 1/2"	43,5	24	21,5	8	40	15	6,5	192	10*	100
685304022U	22 x 3/4"	44,5	29	21,5	13	50	20	6,5	246	5*	50

(*) unità minima di vendita / minimum selling quantity

(**) Material: CuSn5Zn5Pb2-C - CC499K



685/003 U

RACCORDO TRE VIE CON FLANGIA E DERIVAZIONE FILETTO F

- CORNER TEE WITH WALL FLANGE
- INOXPRES-DOPPELWANDSCHEIBE
- EQUEURRE MURALE AVEC FILETAGE FEMELLE
- RACOR TRES VÍAS CON BRIDA Y ROSCA HEMBRA

MATERIAL: CuZn21Si3P - CW724R

O-RING: EPDM nero - black - Schwarz - noir - negro

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	C mm	D mm	g		
685102315U	15 x 1/2" x 15	56	23	34	7	40	13	50	6,5	221	5*	80
685102318U	18 x 1/2" x 18	56	23	34	7	40	13	50	6,5	234	5*	50
685102322U	22 x 1/2" x 22	63	23	40	7	40	16	50	6,5	315	2*	50

(*) unità minima di vendita / minimum selling quantity



679/001 U

"S" DI SCAVALCAMENTO MF

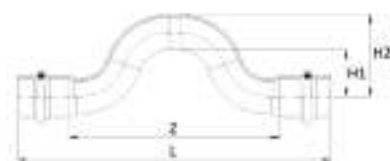
- PIPE BRIDGE MF
- SPRUNGBOGEN A/I
- "S" DE CHEVAUCHEMENT MF
- "S" DE SUPERPOSICIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm	H1 mm	H2 mm	g		
679012001U	12	97,5	79	25	37	54	10*	150
679015001U	15	115	93	12	27	70	10*	100
679018001U	18	120	98	13	31	87	10*	100
679022001U	22	141	118	17	39	136	10*	50

(*) unità minima di vendita / minimum selling quantity



679/002 U

B 70 77

"S" DI SCAVALCAMENTO FF

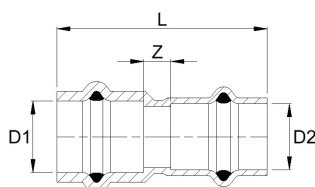
- PIPE BRIDGE FF
- SPRUNGBOGEN I/I
- "S" DE CHEVAUCHEMENT FF
- "S" DE SUPERPOSICIÓN HH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

CODE	De mm	L mm	Z mm	H1 mm	H2 mm			
679012002U	12	134	97	20	32	71	10*	150
679015002U	15	134	90	20	35	91	10*	100
679018002U	18	144	100	20	38	115	10*	100
679022002U	22	161	115	23	45	163	10*	50

[*] unità minima di vendita / minimum selling quantity



683/000A U

B 70 77

MANICOTTO ADATTATORE

- COUPLING ADAPTER
- MUFFE ADAPTER
- MANCHON ADAPTATEUR
- MANGUITO HH ADAPTADOR

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro

	CODE	De mm	D1 mm	D2 mm	L mm	Z mm			
NEW	683014912U	14 x 12	14	12	46	4	31	10*	300
	683015014U (1)	15 x 14	15	14	52	6,5	53	10*	300
	683015016U (2)	15 x 16	15	16	52	6,5	61	10*	300
NEW	683016014U	16 x 14	16	14	51	7	38	10*	300
	683018016U (2)	18 x 16	18	16	53	7,5	72	10*	300
NEW	683022018U	22 x 18	22	18	54	6,5	53	10*	200
NEW	683028922U	28 x 22	28	22	55	8	68	10*	150

[*] unità minima di vendita / minimum selling quantity

(1) La connessione DN 14 mm deve essere pressata con ganaschia da 15 mm; Press connection DN 14 mm should be carried out with a size 15 mm press jaw; Die Pressverbindung DN 14 soll mit einer 15 mm Pressbacke verpresst werden; Le sertissage en DN 14 mm doit être réalisé avec une mâchoire à sertir de 15 mm; La conexión a prensar DN 14 mm debe realizarse con una mordaza de 15 mm.

(2) La connessione DN 16 mm deve essere pressata con ganaschia da 18 mm; Press connection DN 16 mm should be carried out with a size 18 mm press jaw; Die Pressverbindung DN 16 soll mit einer 18 mm Pressbacke verpresst werden; Le sertissage en DN 16 mm doit être réalisé avec une mâchoire à sertir de 18 mm; La conexión a prensar DN 16 mm debe realizarse con una mordaza de 18 mm.

B 70 77

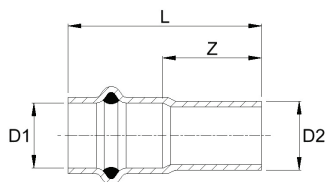
669/FA U

MANICOTTO CON INSERIMENTO - ADATTATORE

- REDUCTION SOCKET - ADAPTER
- ÜBERGANG MIT EINSCHUBENDE - ADAPTER
- MANCHON DE RÉDUCTION - ADAPTATEUR
- MANGUITO ADAPTADOR HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: EPDM nero - black - Schwarz - noir - negro



CODE		De mm	D1 mm	D2 mm	L mm	Z mm			
669014015U	(1)	14 x 15	14	15	52	28,5	48	10*	300
669016015U	(2)	16 x 15	16	15	53	29,5	63	10*	300
669016018U	(2)	16 x 18	16	18	53	29,5	64	10*	300

(*) unità minima di vendita / minimum selling quantity

(1) La connessione DN 14 mm deve essere pressata con ganaschia da 15 mm; Press connection DN 14 mm should be carried out with a size 15 mm press jaw; Die Pressverbindung DN 14 soll mit einer 15 mm Pressbacke verpresst werden; Le sertissage en DN 14 mm doit être réalisé avec une mâchoire à sertir de 15 mm; La conexión a prensar DN 14 mm debe realizarse con una mordaza de 15 mm.

(2) La connessione DN 16 mm deve essere pressata con ganaschia da 18 mm; Press connection DN 16 mm should be carried out with a size 18 mm press jaw; Die Pressverbindung DN 16 soll mit einer 18 mm Pressbacke verpresst werden; Le sertissage en DN 16 mm doit être réalisé avec une mâchoire à sertir de 18 mm; La conexión a prensar DN 16 mm debe realizarse con una mordaza de 18 mm.

Certificazioni / Certifications

		PRODUKTE DER GASVERSORGUNG	DG-8531DM0073	Ø 15 – 54 mm
		RACCORDI A PRESSARE PER GAS - PLUMBING FITTINGS FOR GASES	CA06.00326	Ø 15 – 54 mm
		SYSTÉM TRUBEK A LISOVACÍCH TVAROVEK Z MĚDI PIPES AND PRESS FITTINGS SYSTEMS MADE OF COPPER	202/C5a/2023/B-00375-23	Ø 15 – 54 mm
		TUZVEDELMI MEGFELELŐSÉGÉRŐL	TMI - 3/2025	Ø 15 – 54 mm
		GAS.BE CERTIFIE LA CONFORMITÉ AUX EXIGENCES BELGES	C-25-3822-A	Ø 15 – 54 mm

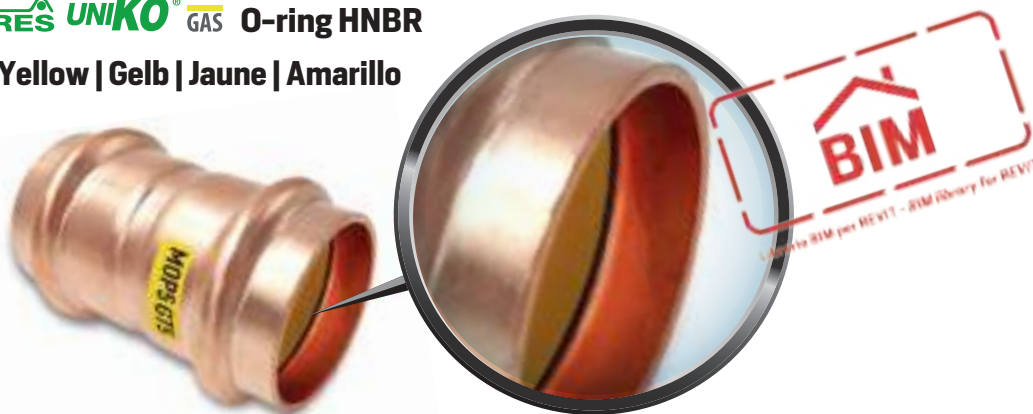
Campi di applicazione / Fields of application

AES PRES UNIKO® GAS



Gas metano / GPL / Idrogeno
Natural gas / LPG / Hydrogen

AES PRES UNIKO® GAS O-ring HNBR
Giallo | Yellow | Gelb | Jaune | Amarillo



FOCUS ON

TUBO RAME PER AESPRES UNIKO - AESPRES UNIKO GAS AESPRES UNIKO - AESPRES UNIKO GAS COPPER PIPING

Le tubazioni per impianti acqua e gas in rame, devono essere rispondenti alla norma UNI EN 1057:2010.

Rame e leghe di rame - Tubi rotondi di rame senza saldatura per acqua e gas nelle applicazioni sanitarie e di riscaldamento.

Piping for copper water and gas installation should comply with the standard EN 1057:2010, "Copper and copper alloys - Round tubes in copper without welding for water and gas in health-care and heating applications".

TABELLA 4: CARATTERISTICHE DEI TUBI DI RAME - EN 1057

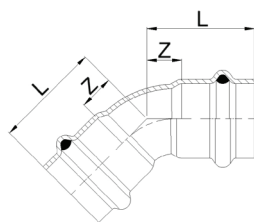
Classe di resistenza	Resistance class	Stato di fornitura	Delivery condition	Ø (mm)
	R220	Ricotto – Rotoli	Annealed – Roll	12 ÷ 22
	R250	Semiduro – Barre	Semi-hard – Bar	12 ÷ 28
	R290	Duro – Barre	Hard – Bar	12 ÷ 54
Classe di resistenza	Resistance class	Resistenza minima alla trazione		Allungamento minimo alla rottura
		Minimum traction resistance	Rm (MPa)	Minimum breaking elongation
				(%)
	R220	220		40
	R250	250		20
	R290	290		3

Le dimensioni dei tubi utilizzabili con i sistemi a pressare **Aespres UNIKO** e **Aespres UNIKO GAS** sono espresse nella tabella sottostante.

*Tube sizes to be used with **Aespres UNIKO** and **Aespres UNIKO GAS** press fittings are included in the annexed table.*

**DIMENSIONI DEI TUBI DI RAME - EN 1057 / DVGW GW 392
AESPRES PIPES DIMENSIONS AND CHARACTERISTICS - EN 1057 / DVGW GW 392**

Ø esterno x sp. Ø external x thx. mm	DN	Ø interno Ø internal mm	Massa Mass kg/m	Contenuto d'acqua Water volume l/m	Stato di fornitura Supplied condition aesPRES UNIKO	Stato di fornitura Supplied condition aesPRES UNIKO GAS
12 x 1	10	10	0,309	0,079	Rotolo 25/50 m (R 220)	--
15 x 1	12	13	0,393	0,133	o Barra 5 m (R 250 - R 290)	
18 x 1	15	16	0,477	0,201		
22 x 1	20	20	0,589	0,314		
28 x 1,5	25	25	1,115	0,491	Barra 5 m (R 250 - R 290)	Barra 5 m (R290)
35 x 1,5	32	32	1,410	0,804		
42 x 1,5	40	39	1,704	1,194	Barra 5 m (R 290)	
54 x 2	50	50	2,918	1,963		

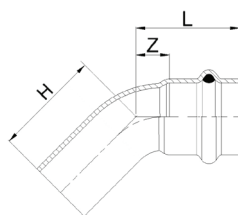
**681/450 GU****B 70 78****CURVA 45° FF**

- 45° ELBOW FF
- BOGEN 45° II
- COUDE FF 45°
- CURVA 45° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	Z mm	 g		
681015450GU	15	29	7	40	5*	200
681018450GU	18	30,5	8,5	49	5*	200
681022450GU	22	34	10	70	5*	100
681028450GU	28	36	12	93	2*	100
681035450GU	35	41	15	132	2*	40
681042450GU	42	53	17	211	1*	30
681054450GU	54	62	21	305	1*	20

[*] unità minima di vendita / minimum selling quantity

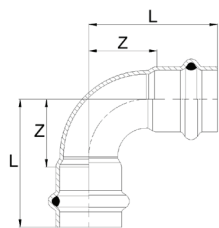
**681/451 GU****B 70 78****CURVA 45° MF**

- 45° ELBOW MF
- BOGEN 45° IA
- COUDE MF 45°
- CURVA 45° HM

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	H mm	Z mm	 g		
681015451GU	15	29	31	7	35	5*	200
681018451GU	18	30,5	32,5	8,5	44	5*	200
681022451GU	22	34	35	10	63	5*	100
681028451GU	28	36	45	12	88	2*	100
681035451GU	35	41	45,5	15	127	2*	40
681042451GU	42	53	63,5	17	208	1*	30
681054451GU	54	62	73,5	21	306	1*	20

[*] unità minima di vendita / minimum selling quantity



681/900 GU

B 70 78

CURVA 90° FF

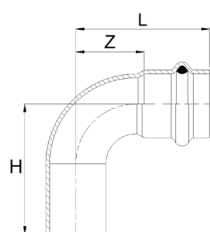
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	Z mm			
681015900GU	15	38	16	46	5*	200
681018900GU	18	40	18	56	5*	160
681022900GU	22	49	26	87	5*	100
681028900GU	28	55	31	122	2*	60
681035900GU	35	61	35	169	2*	40
681042900GU	42	78	42	267	1*	25
681054900GU	54	95	54	401	1*	18

(*) unità minima di vendita / minimum selling quantity



681/901 GU

B 70 78

CURVA 90° MF

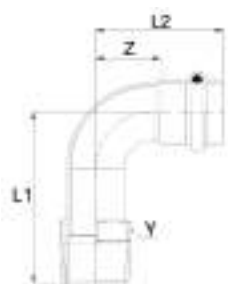
- 90° ELBOW MF
- BOGEN 90° IA
- COUDE MF 90°
- CURVA 90° HM

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	H mm	Z mm			
681015901GU	15	38	40	16	41	5*	200
681018901GU	18	40	43	18	52	5*	160
681022901GU	22	49	48	26	79	5*	100
681028901GU	28	55	57	31	114	2*	60
681035901GU	35	61	66	35	164	2*	40
681042901GU	42	78	88	42	264	1*	25
681054901GU	54	95	108	54	400	1*	18

(*) unità minima di vendita / minimum selling quantity

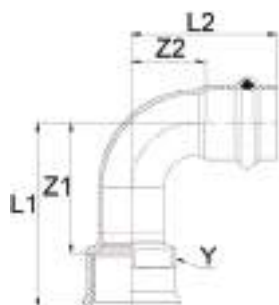
**697 GU****B 70 78****CURVA FILETTATA 90° FILETTO M**

- 90° ELBOW MALE BSP
- BOGEN 90° MIT AG
- COUDE 90° AVEC FILETAGE M
- CODO A 90° MH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
697308015GU	15 x 3/8"	47	38	16	19	55	5*	150
697102015GU	15 x 1/2"	52	38	16	21,5	75	5*	150
697102018GU	18 x 1/2"	55	40	18	21,5	83	5*	150
697304018GU	18 x 3/4"	57	40	18	27	102	5*	100
697304022GU	22 x 3/4"	66	49	26	27	125	5*	100
697100028GU	28 x 1"	77	55	31	34	196	2*	50
697114035GU	35 x 1 1/4"	91	61	35	43	301	2*	40
697112042GU	42 x 1 1/2"	99	78	42	50	408	1*	30
697200054GU	54 x 2"	116	95	54	65	650	1*	20

[*] unità minima di vendita / minimum selling quantity

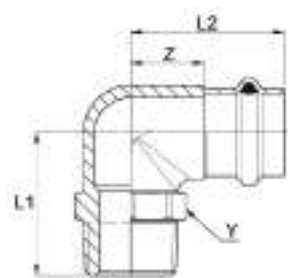
**698 GU****B 70 78****CURVA FILETTATA 90° FILETTO F**

- 90° ELBOW FEMALE BSP
- BOGEN 90° MIT IG
- COUDE 90° AVEC FILETAGE F
- CODO A 90° HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
698308015GU	15 x 3/8"	44	38	32	16	21,5	62	5*	100
698102015GU	15 x 1/2"	50	38	34	16	24	74	5*	100
698304015GU	15 x 3/4"	51	38	34	16	30	96	5*	100
698102018GU	18 x 1/2"	53	40	37	18	24	82	5*	100
698304018GU	18 x 3/4"	54	40	37	18	30	103	5*	100
698102022GU	22 x 1/2"	59	49	43	26	27	124	5*	100
698304022GU	22 x 3/4"	63	49	46	26	30	130	5*	100
698100022GU	22 x 1"	67	49	47	26	37,5	173	5*	50
698304028GU	28 x 3/4"	67	55	50	31	34	184	2*	50
698100028GU	28 x 1"	72	55	52	31	37,5	195	2*	50
698114035GU	35 x 1 1/4"	88	61	66	35	46	288	2*	40
698112042GU	42 x 1 1/2"	94	78	72	42	53	403	1*	20
698200054GU	54 x 2"	110	95	74	54	65	588	1*	10

[*] unità minima di vendita / minimum selling quantity



697/B GU

B 70 78

GOMITO MISTO 90° FILETTO M

- ELBOW ADAPTER 90° WITH MALE THREAD
- ÜBERGANGSWINKEL 90° AG
- EQUEURRE 90° AVEC FILETAGE M
- CODO MACHO

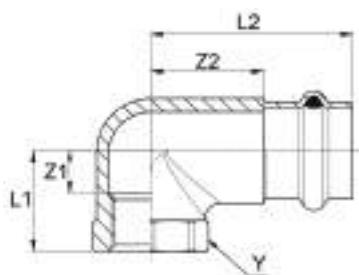
MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L1 mm	L2 mm	Z mm	Y mm			
697102015BGU	15 x 1/2"	35	39	17	24	106	5*	150
697102018BGU	18 x 1/2"	42	42	20	24	130	5*	120
697304018BGU	18 x 3/4"	41	46	24	30	163	5*	100
697304022BGU	22 x 3/4"	41	44	21	30	182	5*	80
697100028BGU	28 x 1"	58	58	34	36	378	2*	50
697114035BGU	35 x 1 1/4"	58	58	32	45	465	2*	40
697112042BGU	42 x 1 1/2"	65	65	29	50	582	1*	24
697200054BGU	54 x 2"	80	83	42	65	1173	1*	16

(*) unità minima di vendita / minimum selling quantity



698/B GU

B 70 78

GOMITO MISTO 90° FILETTO F

- ELBOW ADAPTER 90° WITH FEMALE THREAD
- ÜBERGANGSWINKEL 90° IG
- EQUEURRE 90° AVEC FILETAGE F
- CODO HEMBRA

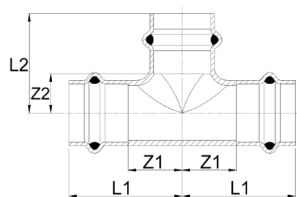
MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	Y mm			
698102015BGU	15 x 1/2"	22	44	15	22	28	108	5*	150
698304015BGU	15 x 3/4"	25	50	18	28	34	149	5*	100
698102018BGU	18 x 1/2"	22	46	14	24	28	117	5*	150
698304018BGU	18 x 3/4"	24	50	18	28	34	154	5*	100
698102022BGU	22 x 1/2"	26	52	15	29	28	159	5*	100
698304022BGU	22 x 3/4"	27	52	18	29	34	187	5*	100
698100022BGU	22 x 1"	29	59	20	36	43	280	5*	50
698100028BGU	28 x 1"	33	59	20	35	43	321	2*	50
698114035BGU	35 x 1 1/4"	39	66	24	40	52	492	2*	40
698112042BGU	42 x 1 1/2"	43	77	24	41	57	596	1*	30
698200054BGU	54 x 2"	55	97	30	56	72	1192	1*	16

(*) unità minima di vendita / minimum selling quantity

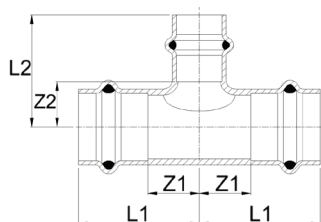
**682 GU****“T”**

- EQUAL TEE
- T-STÜCK
- TÉ ÉGAL
- TE IGUAL HHH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**B 70 78**

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
682015000GU	15	40	33	18	11	81	5*	100
682018000GU	18	42	35	20	13	99	5*	100
682022000GU	22	44	38	21	15	131	5*	80
682028000GU	28	48	43	24	19	180	2*	60
682035000GU	35	52	48	26	22	240	2*	30
682042000GU	42	65	65	29	29	376	1*	20
682054000GU	54	75	75	34	34	579	1*	16

[*] unità minima di vendita / minimum selling quantity

**692 GU****“T” RIDOTTO**

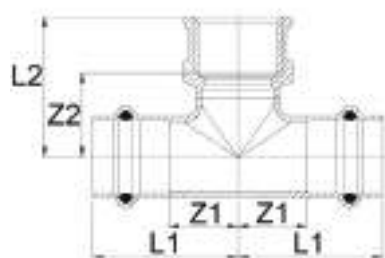
- REDUCING TEE
- T-STÜCK MIT REDUZIERTEM ABGANG
- TÉ RÉDUIT
- TE REDUCIDA HHH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**B 70 78**

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
692018015GU	18 x 15 x 18	40	35	18	13	92	5*	100
692022015GU	22 x 15 x 22	40	37	17	15	112	5*	80
692022018GU	22 x 18 x 22	42	37	19	15	119	5*	80
692028015GU	28 x 15 x 28	40	44	16	22	140	2*	50
692028018GU	28 x 18 x 28	42	44	18	22	149	2*	50
692028022GU	28 x 22 x 28	44	42	20	19	159	2*	50
692035015GU	35 x 15 x 35	44	48	18	26	185	2*	30
692035018GU	35 x 18 x 35	44	48	18	26	188	2*	30
692035022GU	35 x 22 x 35	46	49	20	26	202	2*	30
692035028GU	35 x 28 x 35	48	46	22	22	213	2*	30
692042022GU	42 x 22 x 42	53	55	17	32	270	1*	20
692042028GU	42 x 28 x 42	55	56	19	32	287	1*	20
692042035GU	42 x 35 x 42	58	55	22	29	310	1*	20
692054022GU	54 x 22 x 54	60	61	19	38	368	1*	12
692054028GU	54 x 28 x 54	62	62	21	38	387	1*	12
692054035GU	54 x 35 x 54	66	64	25	38	423	1*	12
692054042GU	54 x 42 x 54	69	71	28	35	509	1*	12

[*] unità minima di vendita / minimum selling quantity

B 70 78



689 GU

"T" CON DERIVAZIONE FILETTO F

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

MATERIAL: Cu-DHP99,9 - CW024A

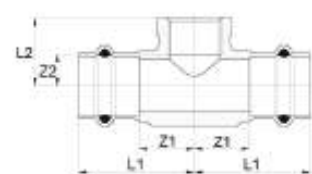
O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689102015GU	15 x 1/2" x 15	40	39	18	23	105	5*	100
689102018GU	18 x 1/2" x 18	40	40,5	18	24,5	116	5*	100
689102022GU	22 x 1/2" x 22	44	39,5	21	23,5	161	5*	100
689304022GU	22 x 3/4" x 22	44	43,5	21	26,5	169	5*	50
689102028GU	28 x 1/2" x 28	44	42,5	20	26,5	188	2*	50
689304028GU	28 x 3/4" x 28	44	46,5	20	29,5	196	2*	50
689100028GU	28 x 1" x 28	48	50	24	30	245	2*	50
689102035GU	35 x 1/2" x 35	46	47	20	31	229	2*	50
689102042GU	42 x 1/2" x 42	53	51	17	35	295	1*	20
689102054GU	54 x 1/2" x 54	60	58	19	42	392	1*	14

(*) unità minima di vendita / minimum selling quantity

B 70 78



689/B GU

"T" CON DERIVAZIONE FILETTO F

- BRANCH TEE FEMALE BSP OUTLET
- T-STÜCK MIT ABGANG IG
- TÉ MIXTE AVEC FILETAGE F
- TE HEMBRA ROSCADA

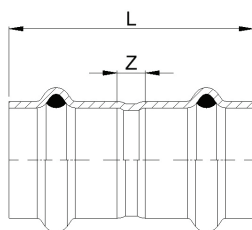
MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp x De mm x inch x mm	L1 mm	L2 mm	Z1 mm	Z2 mm			
689102015BGU	15 x 1/2" x 15	43,5	22,5	21,5	8,5	137	5*	100
689102018BGU	18 x 1/2" x 18	44	24	22	10	157	5*	100
689102022BGU	22 x 1/2" x 22	45	26	22	12	183	5*	100
689304022BGU	22 x 3/4" x 22	48	30	25	14	213	5*	50
689102028BGU	28 x 1/2" x 28	47,5	29	23,5	15	233	2*	50
689304028BGU	28 x 3/4" x 28	50	30	26	14	254	2*	50
689100028BGU	28 x 1" x 28	54	34	30	16	322	2*	50
689102035BGU	35 x 1/2" x 35	50,5	34	24,5	19	315	2*	50
689102042BGU	42 x 1/2" x 42	63	38	27	23	461	1*	20
689102054BGU	54 x 1/2" x 54	74	44	33	30	671	1*	14

(*) unità minima di vendita / minimum selling quantity

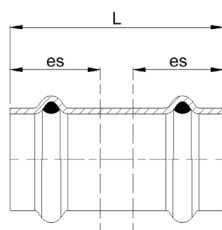
**683/000 GU****B 70 78****MANICOTTO**

- COUPLING
- MUFFE
- MANCHON
- MANGUITO HH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	Z mm	 g		
683015000GU	15	49	5	36	5*	200
683018000GU	18	49,5	5,5	42	5*	200
683022000GU	22	52	6	57	5*	200
683028000GU	28	55	7	76	2*	100
683035000GU	35	59	7	102	2*	50
683042000GU	42	80	8	170	1*	40
683054000GU	54	90	8	236	1*	24

[*] unità minima di vendita / minimum selling quantity

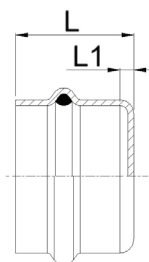
**683/001 GU****B 70 78****MANICOTTO PASSANTE**

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	es mm	 g		
683015001GU	15	49	22	36	5*	200
683018001GU	18	49,5	22	42	5*	200
683022001GU	22	52	23	57	5*	200
683028001GU	28	55	24	76	2*	80
683035001GU	35	59	26	102	2*	50
683042001GU	42	80	36	170	1*	40
683054001GU	54	90	41	236	1*	20

[*] unità minima di vendita / minimum selling quantity



683/003 GU

B 70 78

TAPPO DI CHIUSURA

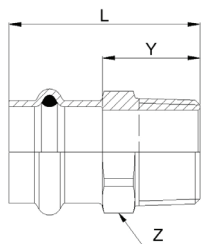
- STOP END
- VERSCHLUSSKAPPE
- BOUCHON D'OBTURATION
- TAPÓN

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	L1 mm			
683015003GU	15	25,5	3,5	20	5*	500
683018003GU	18	25,5	3,5	23	5*	300
683022003GU	22	26,5	3,5	33	5*	200
683028003GU	28	27,5	3,5	45	2*	150
683035003GU	35	30	4	62	2*	100
683042003GU	42	40	4	101	1*	80
683054003GU	54	46	5	145	1*	40

(*) unità minima di vendita / minimum selling quantity

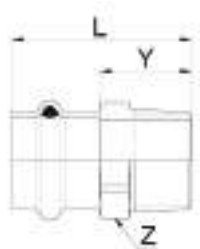
**687 GU****B 70 78****MANICOTTO MISTO FILETTO M**

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm	 g		
687308015GU	15 x 3/8"	40	19	18	37	5*	300
687102015GU	15 x 1/2"	44	22	22	54	5*	300
687304015GU	15 x 3/4"	46	27	24	70	5*	200
687102018GU	18 x 1/2"	44	22	22	57	5*	300
687304018GU	18 x 3/4"	46	27	24	72	5*	200
687102022GU	22 x 1/2"	45	27	22	79	5*	200
687304022GU	22 x 3/4"	47	27	24	77	5*	200
687100022GU	22 x 1"	52	34	29	126	5*	100
687304028GU	28 x 3/4"	48	34	24	107	2*	100
687100028GU	28 x 1"	53	34	29	127	2*	100
687114028GU	28 x 1 1/4"	55	43	31	187	2*	60
687100035GU	35 x 1"	56	40	29	162	2*	100
687114035GU	35 x 1 1/4"	57	43	31	188	2*	50
687112035GU	35 x 1 1/2"	57	49	31	233	2*	50
687114042GU	42 x 1 1/4"	67	49	31	256	1*	40
687112042GU	42 x 1 1/2"	68	49	32	252	1*	40
687112054GU	54 x 1 1/2"	73	61	32	370	1*	32
687200054GU	54 x 2"	78	61	37	372	1*	32

[*] unità minima di vendita / minimum selling quantity



687/B GU

B 70 78

MANICOTTO MISTO FILETTO M

- MALE ADAPTER
- ÜBERGANGSSTÜCK MIT AG
- RACCORD AVEC FILETAGE MALE
- UNIÓN MACHO

MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm			
687308015BGU	15 x 3/8"	40	19	18	37	5*	300
687102015BGU	15 x 1/2"	44	21,5	22	54	5*	300
687304015BGU	15 x 3/4"	46	27	24	70	5*	200
687102018BGU	18 x 1/2"	44	21,5	22	56	5*	300
687304018BGU	18 x 3/4"	46	27	24	71	5*	200
687102022BGU	22 x 1/2"	45	27	22	77	5*	200
687304022BGU	22 x 3/4"	47	27	24	75	5*	200
687100022BGU	22 x 1"	52	34	29	124	5*	100
687304028BGU	28 x 3/4"	48	34	24	104	2*	100
687100028BGU	28 x 1"	53	34	29	124	2*	100
687114028BGU	28 x 1"1/4	55	43	31	184	2*	60
687100035BGU	35 x 1"	55	40	29	160	2*	100
687114035BGU	35 x 1"1/4	57	43	31	186	2*	50
687112035BGU	35 x 1"1/2	57	49	31	231	2*	50
687114042BGU	42 x 1"1/4	67	49	31	254	1*	40
687112042BGU	42 x 1"1/2	68	49	32	249	1*	40
687112054BGU	54 x 1"1/2	73	61	32	369	1*	32
687200054BGU	54 x 2"	78	61	37	367	1*	32

(*) unità minima di vendita / minimum selling quantity

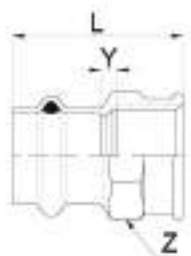
**690 GU****B 70 78****MANICOTTO MISTO FILETTO F**

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm	 g		
690308015GU	15 x 3/8"	36	21,5	2	41	5*	240
690102015GU	15 x 1/2"	43	24	5	53	5*	240
690304015GU	15 x 3/4"	43	30	4	76	5*	240
690102018GU	18 x 1/2"	42,5	24	4,5	56	5*	240
690304018GU	18 x 3/4"	43	30	4	76	5*	200
690102022GU	22 x 1/2"	43	26,5	4	82	5*	200
690304022GU	22 x 3/4"	44	30	4	80	5*	150
690100022GU	22 x 1"	47	37,5	4	121	5*	100
690102028GU	28 x 1/2"	42	34	2	137	2*	100
690304028GU	28 x 3/4"	43	34	2,5	115	2*	100
690100028GU	28 x 1"	47	37,5	3	121	2*	100
690114028GU	28 x 1 1/4"	54	46	8	181	2*	100
690304035GU	35 x 3/4"	45	40	2	182	2*	80
690100035GU	35 x 1"	48	40	1,5	159	2*	80
690114035GU	35 x 1 1/4"	55	46	7	183	2*	50
690114042GU	42 x 1 1/4"	60	49	4	237	1*	40
690112042GU	42 x 1 1/2"	64	53	6	251	1*	40
690200054GU	54 x 2"	73	65	6	359	1*	20

[*] unità minima di vendita / minimum selling quantity



690/B GU

B 70 78

MANICOTTO MISTO FILETTO F

- FEMALE ADAPTER
- ÜBERGANGSSTÜCK MIT IG
- RACCORD AVEC FILETAGE FEMELLE
- UNIÓN HEMBRA

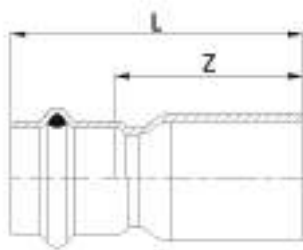
MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
690308015BGU	15 x 3/8"	36	21,5	2	41	5*	240
690102015BGU	15 x 1/2"	43	24	5	53	5*	240
690304015BGU	15 x 3/4"	43	30	4	75	5*	240
690102018BGU	18 x 1/2"	42,5	24	4,5	56	5*	240
690304018BGU	18 x 3/4"	43	30	4	76	5*	200
690102022BGU	22 x 1/2"	43	26,5	4	82	5*	200
690304022BGU	22 x 3/4"	44	30	4	80	5*	150
690100022BGU	22 x 1"	47	37,5	4	120	5*	100
690102028BGU	28 x 1/2"	42	34	2	137	2*	100
690304028BGU	28 x 3/4"	43	34	-	114	2*	100
690100028BGU	28 x 1"	47	37,5	3	120	2*	100
690114028BGU	28 x 1"1/4	54	46	8	181	2*	100
690304035BGU	35 x 3/4"	45	40	2	182	2*	80
690100035BGU	35 x 1"	48	40	-	159	2*	80
690114035BGU	35 x 1"1/4	55	46	7	183	2*	50
690114042BGU	42 x 1"1/4	60	49	4	237	1*	40
690112042BGU	42 x 1"1/2	64	53	6	250	1*	40
690200054BGU	54 x 2"	73	65	6	358	1*	20

(*) unità minima di vendita / minimum selling quantity

**691 GU****B 70 78****RIDUZIONE MF**

- REDUCER MF
- REDUZIERSTÜCK A/I
- REDUCTION MF
- REDUCCIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE	De mm	L mm	Z mm			
691018015GU	18 x 15	56	34	37	5*	200
691022015GU	22 x 15	60	38	44	5*	200
691022018GU	22 x 18	58	36	46	5*	200
691028015GU	28 x 15	67	45	57	2*	150
691028018GU	28 x 18	65	43	59	2*	150
691028022GU	28 x 22	64	41	68	2*	150
691035022GU	35 x 22	71	48	86	2*	100
691035028GU	35 x 28	68	44	91	2*	80
691042022GU	42 x 22	89	66	126	1*	80
691042028GU	42 x 28	87	63	132	1*	80
691042035GU	42 x 35	85	59	143	1*	40
691054035GU	54 x 35	97	71	194	1*	40
691054042GU	54 x 42	104	68	222	1*	32

[*] unità minima di vendita / minimum selling quantity

Be different
Be UNIKO®

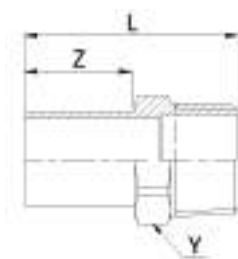
**M & V PROFILE
COMPATIBLE**

inoxPRES® UNIKO®

inoxPRES® UNIKO® 304 L

AES PRES® UNIKO®

AES PRES® UNIKO® GAS

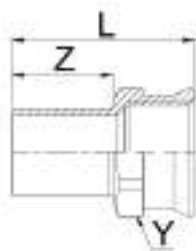
**669/M U****B7077****MANICOTTO CON INSERIMENTO FILETTO M**

- MALE REDUCTION SOCKET
- ÜBERGANG AUSSENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION FILETÉ
- ADAPTADOR MACHO

MATERIAL: Cu-DHP99,9 - CW024A**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x R mm x inch	L mm	Z mm	Y mm			
669102115U	15 x 1/2"	47	25	22	51	10*	300
669102118U	18 x 1/2"	47	25	22	53	10*	300
669304118U	18 x 3/4"	49	25	27	71	10*	200
669102122U	22 x 1/2"	48	26	24	63	10*	200
669304122U	22 x 3/4"	50	26	27	72	10*	200
669304128U	28 x 3/4"	53	29	30	83	5*	150
669100128U	28 x 1"	58	29	34	121	5*	100
669114135U	35 x 1 1/4"	62	31	43	188	5*	40
669112142U	42 x 1 1/2"	78	46	50	255	2*	40
669200154U	54 x 2"	88	51	65	414	2*	20

[*] unità minima di vendita / minimum selling quantity

**669/F U****B7077****MANICOTTO CON INSERIMENTO FILETTO F**

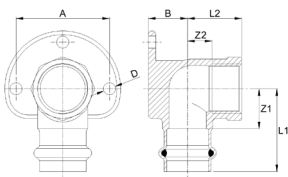
- FEMALE REDUCTION SOCKET
- ÜBERGANG INNENGEWINDE MIT EINSCHUBENDE
- MANCHON DE RÉDUCTION AVEC TARAUDAGE
- ADAPTADOR HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A**THREAD:** EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L mm	Z mm	Y mm			
669308015U	15 x 3/8"	40	25	21,5	40	10*	300
669102015U	15 x 1/2"	46	25	24	51	10*	300
669102018U	18 x 1/2"	46	25	24	55	10*	200
669304018U	18 x 3/4"	46	25	30	72	10*	200
669102022U	22 x 1/2"	47	26	27	80	10*	200
669304022U	22 x 3/4"	47	26	30	77	10*	200
669304028U	28 x 3/4"	47	29	34	107	5*	150
669100028U	28 x 1"	53	29	37,5	116	5*	100
669114035U	35 x 1 1/4"	60	31	46	183	5*	50
669112042U	42 x 1 1/2"	74	46	53	253	2*	40
669200054U	54 x 2"	83	51	65	367	2*	10

[*] unità minima di vendita / minimum selling quantity

B 70 78



685/000 GU

GOMITO MISTO 90° FF

- WALL PLATE ELBOW 90° WITH FEMALE THREAD
- DECKENWINKEL 90° IG
- EQUEURRE 90° FF
- CODO PLACA HH

MATERIAL: CuZn21Si3P - CW724R

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo

THREAD: EN 10226-1 (ex ISO 7/1)

CODE	De x Rp mm x inch	L1 mm	L2 mm	Z1 mm	Z2 mm	A mm	B mm	D mm			
685102015GU	15 x 1/2"	43,5	22,5	21,5	6,5	40	14	6,5	181	5*	100
685102018GU	18 x 1/2"	43,5	24	21,5	8	40	15	6,5	192	5*	100
685304022GU	22 x 3/4"	44,5	29	21,5	13	50	20	6,5	246	5*	50

(*) unità minima di vendita / minimum selling quantity

B 70 78

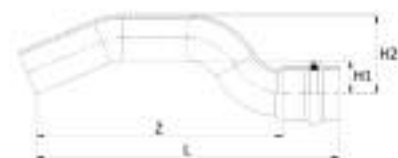
679/001 GU

"S" DI SCAVALCAMENTO MF

- PIPE BRIDGE MF
- SPRUNGBOGEN A/I
- "S" DE CHEVAUCHEMENT MF
- "S" DE SUPERPOSICIÓN MH

MATERIAL: Cu-DHP99,9 - CW024A

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo



CODE	De mm	L mm	Z mm	H1 mm	H2 mm			
679015001GU	15	115	93	12	27	70	5*	100
679018001GU	18	120	98	13	31	87	5*	100
679022001GU	22	141	118	17	39	136	5*	50

(*) unità minima di vendita / minimum selling quantity

B 70 78

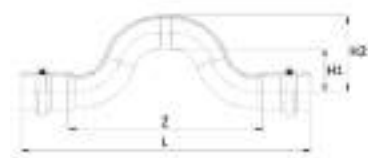
679/002 GU

"S" DI SCAVALCAMENTO FF

- PIPE BRIDGE FF
- SPRUNGBOGEN I/I
- "S" DE CHEVAUCHEMENT FF
- "S" DE SUPERPOSICIÓN HH

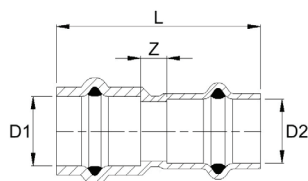
MATERIAL: Cu-DHP99,9 - CW024A

O-RING: HNBR giallo - yellow - Gelb - jaune - amarillo



CODE	De mm	L mm	Z mm	H1 mm	H2 mm			
679015002GU	15	134	90	20	35	91	5*	100
679018002GU	18	144	100	20	38	115	5*	100
679022002GU	22	161	115	23	45	163	5*	50

(*) unità minima di vendita / minimum selling quantity

**683/000A GU****B 70 78****MANICOTTO ADATTATORE**

- COUPLING ADAPTER
- MUFFE ADAPTER
- MANCHON ADAPTATEUR
- MANGUITO HH ADAPTADOR

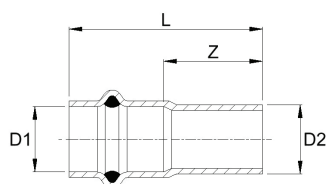
MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE		De mm	D1 mm	D2 mm	L mm	Z mm			
683015014GU	(1)	15 x 14	15	14	52	6,5	53	5*	250
683015016GU	(2)	15 x 16	15	16	52	6,5	61	5*	250
683018016GU	(2)	18 x 16	18	16	53	7,5	72	5*	250

(*) unità minima di vendita / minimum selling quantity

(1) La connessione DN 14 mm deve essere pressata con ganaschia da 15 mm; Press connection DN 14 mm should be carried out with a size 15 mm press jaw; Die Pressverbindung DN 14 soll mit einer 15 mm Pressbacke verpresst werden; Le sertissage en DN 14 mm doit être réalisé avec une mâchoire à sertir de 15 mm; La conexión a presar DN 14 mm debe realizarse con una mordaza de 15 mm.

(2) La connessione DN 16 mm deve essere pressata con ganaschia da 18 mm; Press connection DN 16 mm should be carried out with a size 18 mm press jaw; Die Pressverbindung DN 16 soll mit einer 18 mm Pressbacke verpresst werden; Le sertissage en DN 16 mm doit être réalisé avec une mâchoire à sertir de 18 mm; La conexión a presar DN 16 mm debe realizarse con una mordaza de 18 mm.

**669/FA GU****B 70 78****MANICOTTO CON INSERIMENTO - ADATTATORE**

- REDUCTION SOCKET - ADAPTER
- ÜBERGANG MIT EINSCHUBENDE - ADAPTER
- MANCHON DE RÉDUCTION - ADAPTATEUR
- MANGUITO ADAPTADOR HEMBRA

MATERIAL: Cu-DHP99,9 - CW024A**O-RING:** HNBR giallo - yellow - Gelb - jaune - amarillo

CODE		De mm	D1 mm	D2 mm	L mm	Z mm			
669014015GU	(1)	14 x 15	14	15	52	28,5	48	5*	250
669016015GU	(2)	16 x 15	16	15	53	29,5	63	5*	250
669016018GU	(2)	16 x 18	16	18	53	29,5	64	5*	250

(*) unità minima di vendita / minimum selling quantity

(1) La connessione DN 14 mm deve essere pressata con ganaschia da 15 mm; Press connection DN 14 mm should be carried out with a size 15 mm press jaw; Die Pressverbindung DN 14 soll mit einer 15 mm Pressbacke verpresst werden; Le sertissage en DN 14 mm doit être réalisé avec une mâchoire à sertir de 15 mm; La conexión a presar DN 14 mm debe realizarse con una mordaza de 15 mm.

(2) La connessione DN 16 mm deve essere pressata con ganaschia da 18 mm; Press connection DN 16 mm should be carried out with a size 18 mm press jaw; Die Pressverbindung DN 16 soll mit einer 18 mm Pressbacke verpresst werden; Le sertissage en DN 16 mm doit être réalisé avec une mâchoire à sertir de 18 mm; La conexión a presar DN 16 mm debe realizarse con una mordaza de 18 mm.



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

GANASCIA PER PRESSATRICE

- JAW
- PRESSBACKE
- MACHOIRE
- MORDAZA PINZA

CODE	De mm	kg	
19601200NU	12	1,9	1
19601500NU	15	1,9	1
19601800NU	18	1,9	1
19602200NU	22	2	1
19602800NU	28	2	1
19603500NU	35	2	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

VALIGIA PER GANASCE Ø 15÷35

- CASE FOR JAWS Ø 15÷35
- LEER KOFFER FÜR PRESSBACKEN Ø 15÷35
- COFFRET POUR MACHOIRES Ø 15÷35
- CAJA PARA MORZADAS Ø 15÷35

CODE	De mm	kg	
196015035NU	15 - 35	12,6	1
196015035NV*	15 - 35	2,8	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

CATENA SNAP-ON

- PIVOTING RING
- SCHWENKBARE PRESSRINGE
- ANNEAUX DE SERTISSAGE
- ANILLO DE PRENSAR

CODE	De mm	kg	
19601502NU	15	0,601	1
19601802NU	18	0,366	1
19602202NU	22	0,320	1
19602802NU	28	0,410	1
19603502NU	35	0,710	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

ADATTATORE SZB201

- ADAPTER SZB201
- ADAPTER SZB201
- ADAPTATEUR SZB201
- ADAPTADOR SZB201

CODE	De mm	kg	
196153502N	15 - 35	1,94	1



Novopress EFP 2 - EFP/AFP 201-202 ECO/ACO 202-203 - ACO 203XL - ECO301

B 50 51

CATENA PER PRESSATRICE

- PRESSING COLLAR
- PRESSSCHLINGE
- CHAÎNE
- MORDAZA CADENA

CODE	De mm	kg	
19604200NU	42	1,6	1
19605400NU	54	2,6	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

ADATTATORE PER CATENE ZB203

- ADAPTER FOR COLLARS ZB203
- ZWISCHENBACKE FÜR PRESSSCHLINGEN ZB203
- ADAPTEUR POUR MACHOIRES ZB203
- ADAPTADOR PARA MORDAZAS ZB203

CODE	De mm	kg	
196042054N	42 - 54	2,3	1



Novopress EFP 2 - EFP/AFP 201 - EFP/AFP 202 ECO/ACO 202 - ECO/ACO 203 - ACO 203XL

B 50 51

VALIGIA PER CATENE Ø 42÷54 + ADATTATORE ZB203

- CASE FOR PRESSING COLLARS Ø 42÷54 + ADAPTER ZB203
- LEER KOFFER FÜR PRESSSCHLINGEN Ø 42÷54 + ZWISCHENBACKE ZB203
- COFFRET POUR CHAÎNES Ø 42÷54 + ADAPTEUR ZB203
- CAJA PARA CADENA Ø 42÷54 + ADAPTADOR ZB203

CODE	De mm	kg	
196042054VNU	42 - 54	8	1
196042054V*	42 - 54	2,8	1

[*] Valigia vuota - Empty case - Leer Koffer - Coffret vide - Caja vacía



274/3 (ø 15÷54 mm)

B 50 51

MARCATORE UNIKO

- UNIKO MARKER
- UNIKO MARKIERLEHRE
- MARQUEUR UNIKO
- MARCATUBO UNIKO

CODE	De mm	g	
274000003	15 - 54	26	50

B 50 52

O-Ring EPDM - Uniko Profile

NERO

- BLACK
- SCHWARZ
- NOIR
- NEGRO

NOTE:

Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Idrosanitaria / riscaldamento / raffreddamento
Sanitary / Heating / Cooling
Sanitär / Heizung / Kühlung
Sanitaire / Chauffage / Circuits réfrigérants
Agua sanitaria / Calefacción / Circuito de refrigeración



Material: EPDM

Profilo Uniko - Uniko profile - Uniko Kontur - profil Uniko - perfil Uniko

CODE	De mm		
NEW 11501225N	12	1	20
NEW 11501425N	14	1	20
11501525N	15	1	20
NEW 11501625N	16	1	20
11501825N	18	1	20
11502230N	22	1	20
11502830N	28	2	20
11503530N	35	2	20
11504250N	42	5	20
11505430N	54	6	20

O-Ring HNBR - Uniko Profile

B 50 52

GIALLO

- YELLOW
- GELB
- JAUNE
- AMARILLO

NOTE:

Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Gas / Gas / Gas / Gas / Gas



Material: HNBR

Profilo Uniko - Uniko profile - Uniko Kontur - profil Uniko - perfil Uniko

CODE	De mm		
11501525GH	15	1	20
11501825GH	18	1	20
11502230GH	22	1	20
11502830GH	28	2	20
11503530GH	35	2	20
11504242GH	42	5	20
11505440GH	54	6	20



O-Ring FKM - Uniko Profile

VERDE

- GREEN
- GRÜN
- VERT
- VERDE

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Solare / Solar / Solar / Solaire / Solares
Olio / Pil / Öl / Huile / Aceite

Material: FKM

Profilo Uniko - Uniko profile - Uniko Kontur - profil Uniko - perfil Uniko

CODE	De mm		
11501525V	15	1	20
11501825V	18	1	20
11502230V	22	1	20
11502830V	28	2	20
11503530V	35	2	20
11504250V	42	5	20
11505440V	54	6	20



115/EPDM

GUARNIZIONE EPDM

- EPDM GASKET
- DICTUNG AUS EPDM
- JOINT EPDM
- JUNTA EN EPDM

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Idrosanitaria / riscaldamento / raffreddamento
Sanitary / Heating / Cooling
Sanitär / Heizung / Kühlung
Sanitaire / Chauffage / Circuits réfrigérants
Agua sanitaria / Calefacción / Circuito refrigeracion

	CODE	De mm	D1 mm	D2 mm	S mm		
NEW	115683308E	12 - 14	14,5	10	2,5	1	20
	115683102E	15 - 18	18	10	2,5	1	20
NEW	115683192E	14 - 16	18	13	2,5	1	20
	115683304E	15 - 18 - 22	24	14	2,5	1	20
	115683100E	18 - 22 - 28	30	20	2,5	1	20
	115683114E	28 - 35	39	27	2,5	2	20
	115683112E	35 - 42	44,5	30	2,5	3	20
	115183112E	35 - 42	44,5	34	2,5	3	20
	115183051E	28	47,5	37	2,5	3	20
	115183134E	42	50,5	40	2,5	3	20
	115183200E	42	56	42	2,5	4	20
	115183540E	54	65,5	53,5	3	4	20
	115183242E	42	66	56	2,5	4	20
	115183054E	54	71,5	53	3	5	20
	115183254E	54	79,5	69	2,5	5	20



115/FKM

GUARNIZIONE FKM

- FKM GASKET
- DICTUNG AUS FKM
- JOINT FKM
- JUNTA EN FKM

NOTE: Impieghi / Application field / Einsatzgebiete / Champs d'application /
Aplicaciones:
Solare / Solar / Solar / Solaire / Solares.

CODE	De mm	D1 mm	D2 mm	S mm		
115683102F	15 - 18	18	10	3	1	20
115683304F	15 - 18 - 22	24	14	3	1	20
115683100F	18 - 22 - 28	30	20	3	1	20
115683114F	28 - 35	39	27	3	2	20
115183112F	35 - 42	44,5	34	3	3	20
115183051F	28	47,5	37	3	3	20
115183134F	42	50,5	40	3	4	20
115183200F	42 - 54	56	42	3	4	20
115183540F	54	65,5	53,5	3	4	20
115183242F	42	66	56	3	4	20
115183054F	54	71,5	53	3	5	20
115183254F	54	79,5	69	3	5	20



Sistemi di scarico

WASTE SYSTEMS

ABFLUSSSYSTEME

SYSTÈMES DE EVACUATION

SISTEMAS DE EVACUACIÓN

Raccorderie Metalliche **Drain**

RM DRAIN è un sistema di scarico composto da elementi tubiformi e raccordi in acciaio inossidabile AISI 316L (1.4404) a parete sottile, particolarmente adatto per convogliare, sia a gravità che sottovuoto, acque reflue frequentemente contaminate da sostanze organiche e chimiche corrosive. Il vasto assortimento dei componenti è disponibile in sette dimensioni, dal DN 40 al DN 150 (DN 200 in fase di realizzazione). Grazie alla loro elevata resistenza al fuoco (Certificati Classe A, non combustibili), consente di soddisfare molteplici installazioni, in particolare quelle in ambito navale (navi da crociera, navi militari, yacht, strutture offshore, ecc.).

RM DRAIN is a draining system consisting of tubes and joints in AISI 316L (1.4404) stainless steel, thin wall, suitable to convey, with gravity or under vacuum, waste waters which are frequently contaminated with organic or chemical corrosive substances. The wide range of products is available in seven sizes, DN 40 to DN 150 (DN 200 work in progress). As they are consistently fire resistant, (certified class A, not combustible), they allow to comply with many installation requirements as for marine installations (cruise ships, military ships, yacht, offshore structures, etc.).



Il montaggio del sistema RM DRAIN richiede semplici e rapide operazioni manuali che non obbligano l'utilizzo di particolari e spesso costose attrezzature.

The RM DRAIN assembling procedure asks for simple and rapid manual operations, with no specific or expensive tool.



1 Verificare pulizia componenti / Verify the components' cleaning



2 Inserire guarnizione nel bicchiere / Insert the gasket into socket



3 Verificare posizionamento guarnizione / Verify the correct gasket's position



4 Marcatura quota d'innesto / Marking the insertion's depth



5 Lubrificazione zona interna guarnizione / Internal gasket lubrication



6 Inserimento tubo nel raccordo / Inserting of the pipe into the fitting



7 Pulizia di eventuale grasso residuo / Cleaning of the grease residual



8 Controllo completo inserimento del tubo nel bicchiere / Check of complete pipe's insertion into the fitting

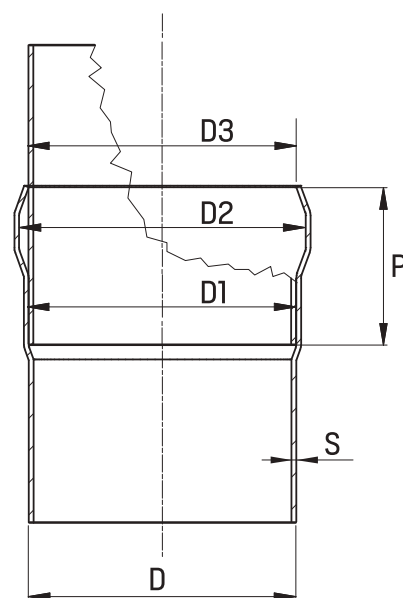
Certificazioni / Certifications

		PIPES AND FITTINGS FOR VACUUM AND GRAVITY DRAIN SYSTEM - RM DRAIN	LR2466226TA
		RM DRAIN TUBAZIONI DI SCARICO A GRAVITÀ E VUOTO RM DRAINING SYSTEMS - GRAVITY AND VACUUM	MAC - 118724CS
		PIPES AND FITTINGS FOR VACUUM AND GRAVITY DRAIN SYSTEM - RM DRAIN	TAP000017F
		PIPE, DUCT, TRUNK - RM DRAIN	MEDB00007F2

FOCUS ON

DIMENSIONI DEL BICCHIERE / SOCKET SIZE

DN	D mm	S mm	D1 mm	D2 mm	D3 mm	P mm
DN 40	42	1	45	48	45	30
DN 50	53	1	56	60	56	38
DN 65	73	1,25	76	81	76	55
DN 80	88,9	1,25	92	99	92	60
DN 100	102	1,25	106	114	107	70
DN 125	133	1,5	138	147	140	75
DN 150	159	1,5	164	176	168	80



802

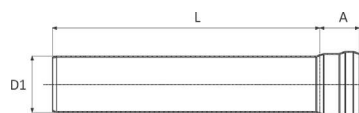
TUBO CON UN BICCHIERE

- PIPE WITH ONE SOCKET
- ROHR MIT EINER MUFFE
- TUYAU AVEC UNE EMBOITURE
- TUBO CON UN MANGUITO

MATERIAL: AISI 316L - 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3



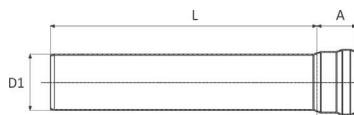
CODE	DN	D1 mm	L mm	A mm	kg	
802040025	40	42	250	30	0,295	1
802040050		42	500	30	0,550	1
802040075		42	750	30	0,810	1
802040100		42	1000	30	1,065	1
802040150		42	1500	30	1,580	1
802040200		42	2000	30	2,100	1
802040250		42	2500	30	2,610	1
802040300		42	3000	30	3,120	1
802050025	50	53	250	38	0,385	1
802050050		53	500	38	0,710	1
802050075		53	750	38	1,040	1
802050100		53	1000	38	1,365	1
802050150		53	1500	38	2,020	1
802050200		53	2000	38	2,670	1
802050250		53	2500	38	3,320	1
802050300		53	3000	38	3,970	1
802065025	65	73	250	55	0,710	1
802065050		73	500	55	1,270	1
802065075		73	750	55	1,850	1
802065100		73	1000	55	2,400	1
802065150		73	1500	55	3,550	1
802065200		73	2000	55	4,650	1
802065250		73	2500	55	5,800	1
802065300		73	3000	55	6,900	1
802080025	80	88,9	250	60	0,875	1
802080050		88,9	500	60	1,600	1
802080075		88,9	750	60	2,250	1
802080100		88,9	1000	60	2,950	1
802080150		88,9	1500	60	4,320	1
802080200		88,9	2000	60	5,700	1
802080250		88,9	2500	60	7,700	1
802080300		88,9	3000	60	8,450	1
802100025	100	102	250	70	1,050	1
802100050		102	500	70	1,850	1
802100075		102	750	70	2,620	1
802100100		102	1000	70	3,400	1
802100150		102	1500	70	4,980	1
802100200		102	2000	70	6,550	1
802100250		102	2500	70	8,130	1
802100300		102	3000	70	9,700	1
802125025	125	133	250	75	1,650	1
802125050		133	500	75	2,885	1

B 100 101

802

TUBO CON UN BICCHIERE

- PIPE WITH ONE SOCKET
- ROHR MIT EINER MUFFE
- TUYAU AVEC UNE EMBOITURE
- TUBO CON UN MANGUITO

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

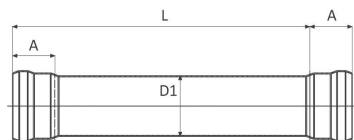
CODE	DN	D1 mm	L mm	A mm	kg	
802125075	125	133	750	75	4,125	1
802125100		133	1000	75	5,360	1
802125150		133	1500	75	7,830	1
802125200		133	2000	75	10,300	1
802125250		133	2500	75	12,775	1
802125300		133	3000	75	15,250	1
802150025	150	159	250	80	2,000	1
802150050		159	500	80	3,500	1
802150075		159	750	80	5,000	1
802150100		159	1000	80	6,450	1
802150150		159	1500	80	9,400	1
802150200		159	2000	80	12,400	1
802150250		159	2500	80	15,350	1
802150300		159	3000	80	18,300	1

B 100 101

803

TUBO CON DUE BICCHIERI

- PIPE WITH TWO SOCKETS
- ROHR MIT ZWEI MUFFEN
- TUYAU AVEC DEUX EMBOITURES
- TUBO CON DOS MANGUITOS

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

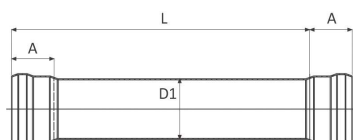
CODE	DN	D1 mm	L mm	A mm	kg	
8030400250	40	42	250	30	0,330	1
8030400500		42	500	30	0,580	1
8030400750		42	750	30	0,860	1
8030401000		42	1000	30	1,100	1
8030401500		42	1500	30	1,600	1
8030402000		42	2000	30	2,150	1
8030402500		42	2500	30	2,650	1
8030403000		42	3000	30	3,150	1
8030500250	50	53	250	38	0,420	1
8030500500		53	500	38	0,755	1
8030500750		53	750	38	1,080	1
8030501000		53	1000	38	1,400	1
8030501500		53	1500	38	2,100	1
8030502000		53	2000	38	2,700	1
8030502500		53	2500	38	3,350	1
8030503000		53	3000	38	4,010	1

B 100 101
803
TUBO CON DUE BICCHIERI

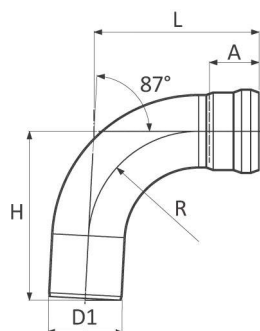
- PIPE WITH TWO SOCKETS
- ROHR MIT ZWEI MUFFEN
- TUYAU AVEC DEUX EMBOITURES
- TUBO CON DOS MANGUITOS

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3


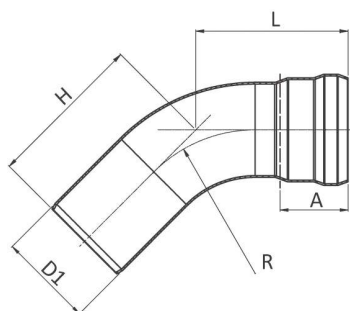
CODE	DN	D1 mm	L mm	A mm	kg	
8030650250	65	73	250	55	0,760	1
8030650500		73	500	55	1,330	1
8030650750		73	750	55	1,880	1
8030651000		73	1000	55	2,450	1
8030651500		73	1500	55	3,560	1
8030652000		73	2000	55	4,700	1
8030652500		73	2500	55	5,820	1
8030653000		73	3000	55	6,950	1
8030800750	80	88,9	750	60	2,300	1
8030801000		88,9	1000	60	3,000	1
8030801500		88,9	1500	60	4,360	1
8030802000		88,9	2000	60	5,780	1
8030802500		88,9	2500	60	7,110	1
8030803000		88,9	3000	60	8,480	1
8031000750	100	102	750	70	2,670	1
8031001000		102	1000	70	3,500	1
8031001500		102	1500	70	5,050	1
8031002000		102	2000	70	6,600	1
8031002500		102	2500	70	8,180	1
8031003000		102	3000	70	9,750	1
8031250750	125	133	750	75	4,200	1
8031251000		133	1000	75	5,400	1
8031251500		133	1500	75	7,900	1
8031252000		133	2000	75	10,350	1
8031252500		133	2500	75	12,950	1
8031253000		133	3000	75	15,300	1
8031500750	150	159	750	80	5,000	1
8031501000		159	1000	80	6,500	1
8031501500		159	1500	80	9,500	1
8031502000		159	2000	80	12,450	1
8031502500		159	2500	80	15,400	1
8031503000		159	3000	80	18,350	1

**804/87****B 100 102****CURVA 87°**

- ELBOW 87°
- ROHRBOGEN 87°
- COUDE 87°
- CURVA 87°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80)**NORM:** EN 1124-3

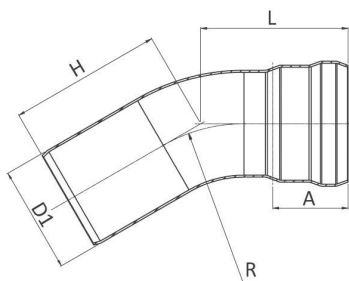
CODE	DN	D1 mm	L mm	A mm	H mm	R mm		
804040087	40	42	102	30	105	63	0,193	1
804050087	50	53	130	38	133	80	0,310	1
804065087	65	73	172	55	176	110	0,700	1
804080087	80	88,9	199	60	204	133	1,180	1

**804/45****B 100 102****CURVA 45°**

- ELBOW 45°
- ROHRBOGEN 45°
- COUDE 45°
- CURVA 45°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80)**NORM:** EN 1124-3

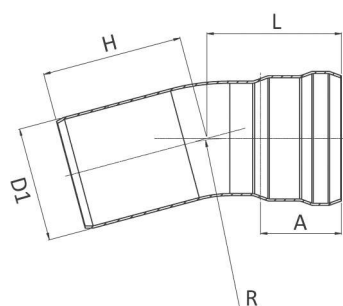
CODE	DN	D1 mm	L mm	A mm	H mm	R mm		
804040045	40	42	68	30	71	63	0,146	1
804050045	50	53	85	38	88	80	0,229	1
804065045	65	73	112	55	117	110	0,521	1
804080045	80	88,9	128	60	133	133	0,864	1

**804/30****B 100 102****CURVA 30°**

- ELBOW 30°
- ROHRBOGEN 30°
- COUDE 30°
- CURVA 30°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80)**NORM:** EN 1124-3

CODE	DN	D1 mm	L mm	A mm	H mm	R mm		
804040030	40	42	59	30	62	63	0,129	1
804050030	50	53	73	38	76	80	0,201	1
804065030	65	73	98	55	102	110	0,462	1
804080030	80	88,9	109	60	114	133	0,752	1



804/15

CURVA 15°

- ELBOW 15°
- ROHRBOGEN 15°
- COUDE 15°
- CURVA 15°

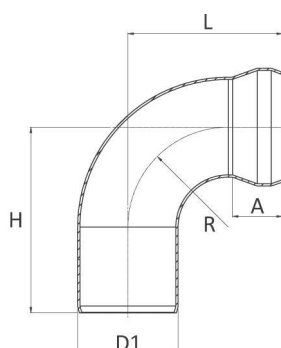
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80)

NORM: EN 1124-3

B 100 102

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
804040015	40	42	51	30	54	63	0,114	1
804050015	50	53	62	38	65	80	0,173	1
804065015	65	73	82	55	86	110	0,393	1
804080015	80	88,9	90	60	95	133	0,632	1



805/T

CURVA TECNICA 87°

- TECHNICAL ELBOW 87°
- TECHNISCHE ROHRBOGEN 87°
- COUDE TECHNIQUE 87°
- CURVA TÉCNICA 87°

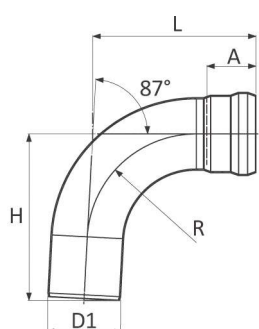
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 50)
cod. 826/GV (Ø 65)

NORM: EN 1124-3

B 100 102

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
805040000	40	42	64	20	79	42	0,159	1
805050000	50	53	81,5	26	98,5	53	0,252	1
805065000	65	73	127	55	142	73	0,720	1



805/87

CURVA RAGGIO STRETTO 87°

- ELBOW S.R. 87°
- ROHRBOGEN KURZE RADIUS 87°
- COUDE RAYON COURT 87°
- CURVA RADIO ESTRECHO 87°

MATERIAL: AISI 316L – 1.4404

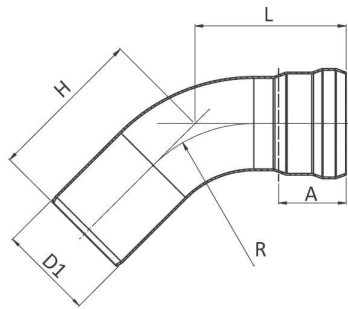
GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

B 100 102

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
805040087	40	42	85	30	88	42	0,199	1
805050087	50	53	103	38	106	53	0,302	1
805065087	65	73	138	55	142	73	0,693	1
805080087	80	88,9	157	60	162	88,9	0,955	1
805100087	100	102	180	70	186	102	1,258	1
805125087	125	133	216	75	222	133	1,959	1
805150087	150	159	235	80	240	159	2,510	1

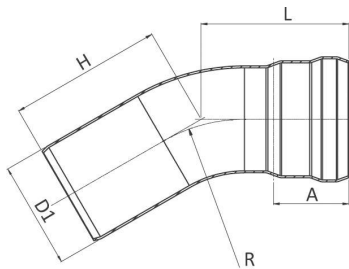
B 100 102

**805/45****CURVA RAGGIO STRETTO 45°**

- ELBOW S.R. 45°
- ROHRBOGEN KURZE RADIUS 45°
- COUDE RAYON COURT 45°
- CURVA RADIO ESTRECHO 45°

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
805040045	40	42	60	30	63	42	0,156	1
805050045	50	53	74	38	77	53	0,241	1
805065045	65	73	98	55	102	73	0,549	1
805080045	80	88,9	109	60	114	88,9	0,744	1
805100045	100	102	124	70	126	102	0,958	1
805125045	125	133	147	75	154	133	1,502	1
805150045	150	159	159	80	147	159	1,825	1

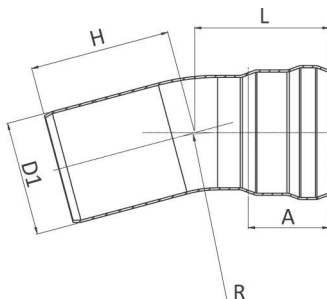
**805/30****CURVA RAGGIO STRETTO 30°**

- ELBOW S.R. 30°
- ROHRBOGEN KURZE RADIUS 30°
- COUDE RAYON COURT 30°
- CURVA RADIO ESTRECHO 30°

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 100 ÷ 150)**NORM:** EN 1124-3

B 100 102

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
805100030	100	102	110	70	115	102	0,877	1
805125030	125	133	125	75	131	133	1,298	1
805150030	150	159	136	80	124	159	1,580	1

**805/15****CURVA RAGGIO STRETTO 15°**

- ELBOW S.R. 15°
- ROHRBOGEN KURZE RADIUS 15°
- COUDE RAYON COURT 15°
- CURVA RADIO ESTRECHO 15°

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/G (Ø 100 ÷ 150)**NORM:** EN 1124-3

B 100 102

CODE	DN	D1 mm	L mm	A mm	H mm	R mm	kg	
805100015	100	102	96	70	101	102	0,877	1
805125015	125	133	107	75	112	133	1,100	1
805150015	150	159	114	80	102	159	1,331	1

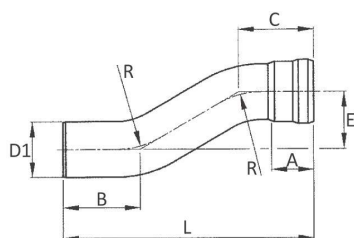
B 100 102

806

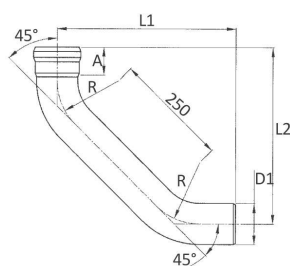
DISASSAMENTO 75/130/200 MM

- OFFSET 75/130/200 MM
- ETAGENBOGEN 75/130/200 MM
- DÉSAXEMENT 75/130/200 MM
- CURVA DESVIACIÓN 75/130/200 MM

MATERIAL: AISI 316L – 1.4404
GASKET: EPDM cod. 826/GV (Ø 65)
EPDM cod. 826/G (Ø 80 ÷ 125)
NORM: EN 1124-3



CODE	DN	D1 mm	E mm	L mm	A mm	B mm	C mm	R mm	kg	
806065075	65	73	75	329	55	101	98	110	0,950	1
806080075	80	88,9	75	352	60	114	109	133	1,000	1
806100075	100	102	75	321	70	126	120	102	1,200	1
806125075	125	133	75	375,5	75	154	146,5	133	1,996	1
806065130	65	73	130	359	55	117	113	110	0,880	1
806080130	80	88,9	130	390	60	133	127	133	1,350	1
806100130	100	102	130	376	70	126	120	102	1,520	1
806125130	125	133	130	430,5	75	154	146,5	133	2,381	1
806065200	65	73	200	430	55	117	113	110	1,120	1
806080200	80	88,9	200	460	60	133	127	133	1,550	1
806100200	100	102	200	446	70	126	120	102	1,780	1
806125200	125	133	200	500,5	75	154	146,5	133	2,870	1



Articolo speciale a richiesta.
Special code on demand.

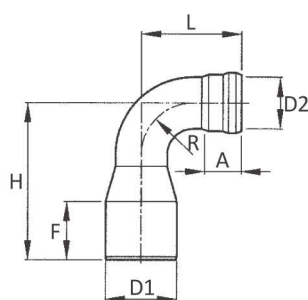
807

CURVA PROLUNGATA

- STREMLINE BEND
- LANG ROHRBOGEN
- COUDE PROLONGÉE
- CURVA EXTENDIDA

MATERIAL: AISI 316L – 1.4404
GASKET: EPDM cod. 826/GV (Ø 50 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)
NORM: EN 1124-3

CODE	DN	D1 mm	L1 mm	L2 mm	A mm	R mm	kg	
807050000	50	53	285	282	38	53	0,713	1
807065000	65	73	321,5	317,5	55	73	1,410	1
807080000	80	88,9	388	383	60	133	1,850	1
807100000	100	102	362,5	356,5	70	102	2,100	1
807125000	125	133	414	407	75	133	3,292	1
807150000	150	159	417	429	80	159	4,183	1



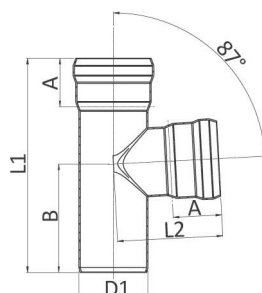
Articolo speciale a richiesta.
Special code on demand.

807/R**B 100 102****GOMITO RIDOTTO 87°**

- REDUCED ELBOW 87°
- REDUZIERTER ROHRBOGEN 87°
- COUDE RÉDUIT 87°
- CURVA REDUCIDA 87°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50 ÷ 65)**NORM:** EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A mm	L mm	H mm	F mm	R mm		
807050040	50	40	53	42	30	85	124	62	42	0,290	1
807065050	65	50	73	53	38	103	161	60	53	0,390	1

**808/87****B 100 102****BRAGA 87°**

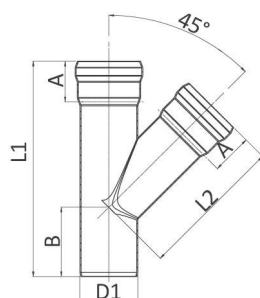
- BRANCH 87°
- ABZWEIG 87°
- EMBRANCHEMENT 87°
- DERIVACIÓN M-H 87°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN	D1 mm	A mm	L1 mm	L2 mm	B mm		
808040087	40	42	30	137	67	69,5	0,193	1
808050087	50	53	38	165	81	83,5	0,291	1
808065087	65	73	55	209	109	106	0,639	1
808080087	80	88,9	60	235	123	119	0,863	1
808100087	100	102	70	291	138	147,5	1,196	1
808125087	125	133	75	360	159	182	2,219	1
808150087	150	159	80	403	178	204	2,932	1

**808/45****B 100 102****BRAGA 45°**

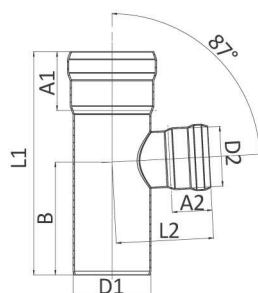
- BRANCH 45°
- ABZWEIG 45°
- EMBRANCHEMENT 45°
- DERIVACIÓN M-H 45°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN	D1 mm	A mm	L1 mm	L2 mm	B mm		
808040045	40	42	30	155	100	55	0,233	1
808050045	50	53	38	198	132,5	64	0,382	1
808065045	65	73	55	255	170	85	0,864	1
808080045	80	88,9	60	295	210	95	1,200	1
808100045	100	102	70	335	225	110	1,517	1
808125045	125	133	75	415	285	130	2,936	1
808150045	150	159	80	460	320	140	3,856	1



809

B 100 102

BRAGA RIDOTTA 87°

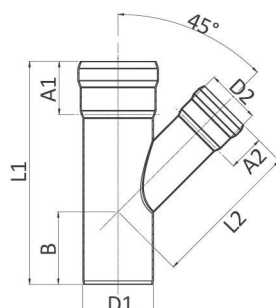
- REDUCED BRANCH 87°
- REDUZIERTER ABZWEIG 87°
- EMBRANCHEMENT RÉDUIT 87°
- DERIVACIÓN M-H REDUCIDA 87°

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
809050040	50	40	53	42	38	30	165	73	83,5	0,269	1
809065040	65	40	73	42	55	30	209	83	106	0,528	1
809065050	65	50	73	53	55	38	209	91	106	0,547	1
809080050	80	50	88,9	53	60	38	235	99	119	0,726	1
809100040	100	40	102	42	70	30	216	97	110	0,749	1
809100050	100	50	102	53	70	38	226	105	115	0,800	1
809100065	100	65	102	73	70	55	291	123	147,5	1,092	1
809100080	100	80	102	88,9	70	60	291	128	147,5	1,136	1
809125050	125	50	133	53	75	38	294	121	149	1,551	1
809125065	125	65	133	73	75	55	294	139	149	1,633	1
809125100	125	100	133	102	75	70	294	153	149	1,723	1
809150065	150	65	159	73	80	55	343	152	174	2,221	1
809150100	150	100	159	102	80	70	343	166	174	2,308	1
809150125	150	125	159	133	80	75	403	172	204	2,832	1



810

B 100 102

BRAGA RIDOTTA 45°

- REDUCED BRANCH 45°
- REDUZIERTER ABZWEIG 45°
- EMBRANCHEMENT RÉDUIT 45°
- DERIVACIÓN M-H REDUCIDA 45°

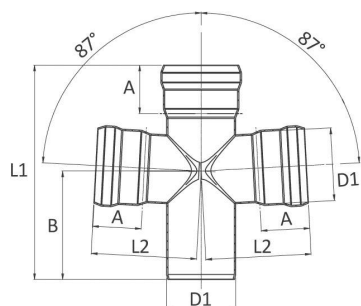
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
810050040	50	40	53	42	38	30	198	147	65	0,373	1
810065040	65	40	73	42	55	30	205	145	60	0,563	1
810065050	65	50	73	53	55	38	230	155	75	0,651	1
810080050	80	50	88,9	53	60	38	245	173	72	0,820	1
810080065	80	65	88,9	73	60	55	255	180	85	0,961	1
810100040	100	40	102	42	70	30	250	185	65	0,916	1
810100050	100	50	102	53	70	38	270	195	75	1,019	1
810100065	100	65	102	73	70	55	300	210	95	1,257	1
810100080	100	80	102	88,9	70	60	320	220	100	1,408	1
810125050	125	50	133	53	75	38	300	225	75	1,671	1
810125065	125	65	133	73	75	55	330	240	90	2,236	1
810125100	125	100	133	102	75	70	365	260	105	2,294	1
810150065	150	65	159	73	80	55	330	240	90	2,314	1
810150100	150	100	159	102	80	70	370	281	89	2,695	1
810150125	150	125	159	133	80	75	420	300	120	3,358	1

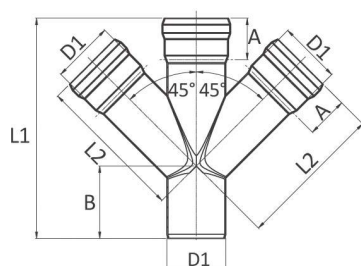
B 100 102

**811/87****BRAGA DOPPIA 87°**

- DOUBLE BRANCH 87°
- DOPPELABZWEIG 87°
- EMBRANCHEMENT DOUBLE 87°
- DERIVACIÓN DOBLE M-H 87°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50 ÷ 65)
EPDM cod. 826/G (Ø 100 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	A mm	L1 mm	L2 mm	B mm		
811050087	50	53	38	165	81	83,5	0,359	1
811065087	65	73	55	209	109	105,5	0,792	1
811100087	100	102	70	291	138	147,5	1,451	1
811125087	125	133	75	360	159	182	2,616	1
811150087	150	159	80	403	178	204	3,422	1

**811/45**

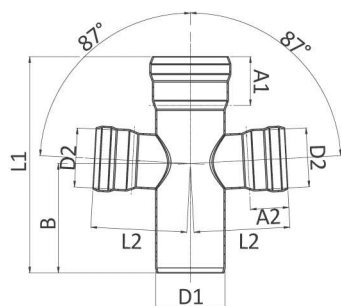
B 100 102

BRAGA DOPPIA 45°

- DOUBLE BRANCH 45°
- DOPPELABZWEIG 45°
- EMBRANCHEMENT DOUBLE 45°
- DERIVACIÓN DOBLE M-H 45°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50 ÷ 65)
EPDM cod. 826/G (Ø 100 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	A mm	L1 mm	L2 mm	B mm		
811050045	50	53	38	198	132,5	65	0,497	1
811065045	65	73	55	255	170	85	1,078	1
811100045	100	102	70	335	225	110	1,953	1
811125045	125	133	75	415	285	130	3,780	1
811150045	150	159	80	460	320	140	4,938	1



812

B 100 102

BRAGA DOPPIA RIDOTTA 87°

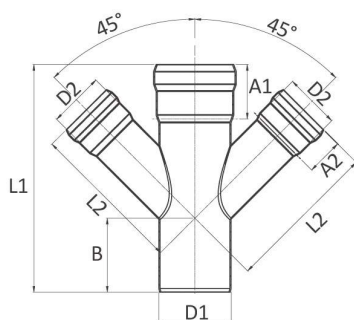
- REDUCED DOUBLE BRANCH 87°
- REDUZIERTE DOPPELABZWEIG 87°
- EMBRANCHEMENT DOUBLE RÉDUIT 87°
- DERIVACIÓN DOBLE M-H REDUCIDA 87°

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
812050040	50	40	53	42	38	30	165	73	83,5	0,315	1
812065050	65	50	73	53	55	38	209	91	105,5	0,610	1
812080050	80	50	88,9	53	60	38	235	99	119	0,788	1
812100050	100	50	102	53	70	38	226	105	115	0,860	1
812100065	100	65	102	73	70	55	291	123	147,5	1,242	1
812100080	100	80	102	88,9	70	60	291	128	147,5	1,330	1
812125100	125	100	133	102	75	70	294	158	149	1,949	1
812150100	150	100	159	102	80	70	343	166	174	2,531	1
812150125	150	125	159	133	80	75	403	172	204	3,223	1



813

B 100 102

BRAGA DOPPIA RIDOTTA 45°

- REDUCED DOUBLE BRANCH 45°
- REDUZIERTE DOPPELABZWEIG 45°
- EMBRANCHEMENT DOUBLE RÉDUIT 45°
- DERIVACIÓN DOBLE M-H REDUCIDA 45°

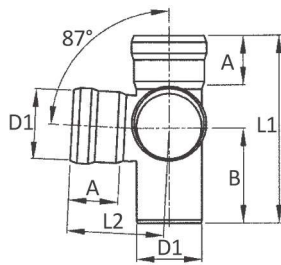
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
813050040	50	40	53	42	38	30	168	118	50	0,383	1
813065050	65	50	73	53	55	38	230	155	75	0,771	1
813080050	80	50	88,9	53	60	38	245	173	72	0,945	1
813100065	100	65	102	73	70	55	300	210	90	1,540	1
813100080	100	80	102	88,9	70	60	320	220	100	1,780	1
813125100	125	100	133	102	75	70	370	260	105	2,741	1
813150100	150	100	159	102	80	70	370	281	89	3,146	1
813150125	150	125	159	133	80	75	420	300	120	4,175	1

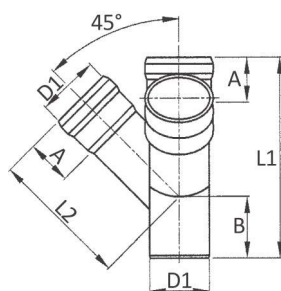
B 100 102

**814/87****BRAGA SCAGNO 87°**

- CORNER BRANCH 87°
- WINKEL ABZWEIG 87°
- TÉ DOUBLE ÉQUERRE 87°
- T DOBLE ESCUADRA 87°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	L1 mm	L2 mm	A mm	B mm	kg	
814050087	50	53	164,5	81	38	83,5	0,350	1
814065087	65	73	209	109	55	106	0,930	1
814080087	80	88,9	235	122	60	119	1,230	1
814100087	100	102	290,5	138	70	147	1,810	1
814125087	125	133	359,5	159	75	182	2,602	1
814150087	150	159	402,5	178	80	204	3,394	1



Articolo speciale a richiesta.
Special code on demand.

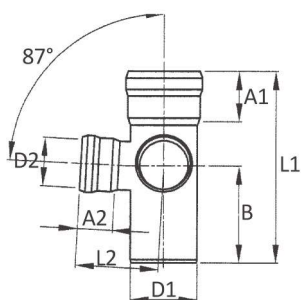
814/45**BRAGA SCAGNO 45°**

- CORNER BRANCH 45°
- WINKEL ABZWEIG 45°
- TÉ DOUBLE ÉQUERRE 45°
- T DOBLE ESCUADRA 45°

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

B 100 102

CODE	DN	D1 mm	A mm	L1 mm	L2 mm	B mm	kg	
814050045	50	53	38	188	123	65	0,450	1
814065045	65	73	55	255	170	85	1,000	1
814080045	80	88,9	60	295	210	95	1,450	1
814100045	100	102	70	335	225	110	2,400	1
814125045	125	133	75	415	285	130	3,757	1
814150045	150	159	80	460	320	140	4,902	1



815/87

B 100 102

BRAGA SCAGNO RIDOTTA 87°

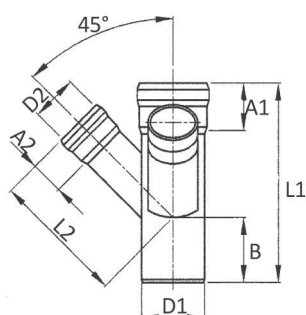
- REDUCED CORNER BRANCH 87°
- REDUZIERT WINKEL ABZWEIG 87°
- TÉ DOUBLE ÉQUERRE RÉDUIT 87°
- T DOBLE ESCUADRA REDUCIDA 87°

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
815050040	50	40	53	42	38	30	164,5	72,5	83,5	0,410	1
815065050	65	50	73	53	55	38	209	90,5	106	0,720	1
815080050	80	50	88,9	53	60	38	235	98,5	119	1,160	1
815100065	100	65	102	73	70	55	290,5	123	147	1,440	1
815100080	100	80	102	88,9	70	60	290,5	128	147	1,590	1
815125100	125	100	133	102	75	70	293,5	153	149	1,949	1
815150100	150	100	159	102	80	70	342,5	166	174	2,530	1
815150125	150	125	159	133	80	75	402,5	195	204	3,445	1



Articolo speciale a richiesta.
Special code on demand.

816/45

B 100 102

BRAGA SCAGNO RIDOTTA 45°

- REDUCED CORNER BRANCH 45°
- REDUZIERT WINKEL ABZWEIG 45°
- TÉ DOUBLE ÉQUERRE RÉDUIT 45°
- T DOBLE ESCUADRA REDUCIDA 45°

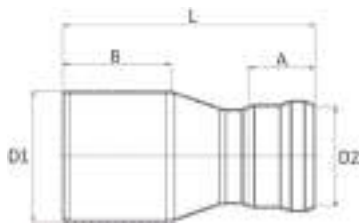
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 100 ÷ 150)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A1 mm	A2 mm	L1 mm	L2 mm	B mm	kg	
816050040	50	40	53	42	38	30	168	118	50	0,350	1
816065050	65	50	73	53	55	38	230	155	75	0,850	1
816100065	100	65	102	73	70	55	300	210	90	1,900	1
816125100	125	100	133	102	75	70	365	260	105	2,742	1
816150100	150	100	159	102	80	70	370	275	95	3,109	1
816150125	150	125	159	133	80	75	425	300	120	4,169	1

B 100 102



817

RIDUZIONE CONCENTRICA

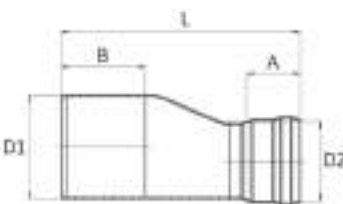
- CONCENTRIC REDUCER
- REDUZIERSTÜCK KONZENTRISCH
- RÉDUCTION CONCENTRIQUE
- REDUCCIÓN CONCÉNTRICA

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 125)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A mm	L mm	B mm	kg	
817050040	50	40	53	42	30	120	62	0,150	1
817065040	65	40	73	42	30	121	62	0,235	1
817065050	65	50	73	53	38	140	60	0,230	1
817080065	80	65	88,9	73	55	195	80	0,475	1
817100050	100	50	102	53	38	165	89	0,506	1
817100065	100	65	102	73	55	184	85	0,545	1
817100080	100	80	102	88,9	60	190	85	0,583	1
817125065	125	65	133	73	55	197,5	95	0,818	1
817125100	125	100	133	102	70	249	85	0,833	1
817150100	150	100	159	102	70	247	101	1,222	1
817150125	150	125	159	133	75	230	95	1,308	1



818

RIDUZIONE ECCENTRICA

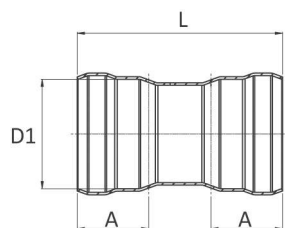
- ECCENTRIC REDUCER
- REDUZIERSTÜCK EXZENTRISCH
- RÉDUCTION EXCENTRIQUE
- REDUCCIÓN EXCÉNTRICA

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 125)

NORM: EN 1124-3

CODE	DN1	DN2	D1 mm	D2 mm	A mm	L mm	B mm	kg	
818050040	50	40	53	42	30	125	45	0,170	1
818065050	65	50	73	53	38	167	70	0,322	1
818080065	80	65	88,9	73	55	187	77	0,465	1
818100050	100	50	102	53	38	197	87	0,474	1
818100065	100	65	102	73	55	207	87	0,590	1
818100080	100	80	102	88,9	60	207	87	0,635	1
818125100	125	100	133	102	70	239	94	1,037	1
818150125	150	125	159	133	75	243	101	1,382	1

B 100 102


819/000

MANICOTTO

- COUPLING
- MUFFE
- MANCHON
- MANGUITO

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN	D1 mm	A mm	L mm	kg	
819040000	40	42	30	84	0,098	1
819050000	50	53	38	94	0,138	1
819065000	65	73	55	135	0,335	1
819080000	80	88,9	60	145	0,438	1
819100000	100	102	70	180	0,622	1
819125000	125	133	75	190	1,000	1
819150000	150	159	80	200	1,290	1

B 100 102

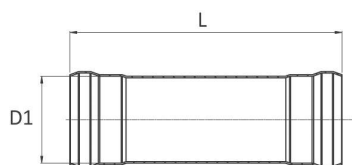
819/001

MANICOTTO PASSANTE

- SLIP COUPLING
- SCHIEBEMUFFE
- MANCHON LONG
- MANGUITO SIN TOPE

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/G (Ø 40 ÷ 150)

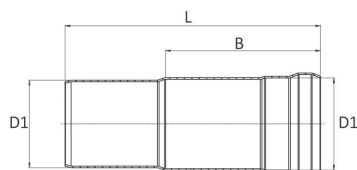
NORM: EN 1124-3


CODE	DN	D1 mm	L mm	kg	
819040001	40	42	142	0,163	1
819050001	50	53	176	0,251	1
819065001	65	73	255	0,654	1
819080001	80	88,9	294	0,865	1
819100001	100	102	334	1,130	1
819125001	125	133	405	2,100	1
819150001	150	159	473	2,960	1

B 100 102

819/002**MANICOTTO PROLUNGATO**

- SLIDE COUPLING
- DEHNUNGSMUFFE
- MANCHON PROLONGÉE
- MANGUITO EXTENDIDO

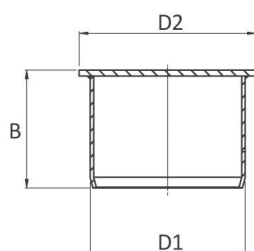
MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/G (Ø 40 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	B mm	L mm		
819040002	40	42	69	120	0,132	1
819050002	50	53	94	155	0,214	1
819065002	65	73	139	205	0,486	1
819080002	80	88,9	134	210	0,605	1
819100002	100	102	148	240	0,794	1
819125002	125	133	158	260	1,300	1
819150002	150	159	168	285	1,758	1

B 100 102

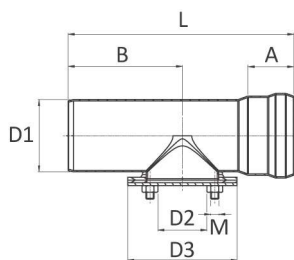
819/003**TAPPO**

- STOP END
- VERSCHLUSSSTOPFEN
- BOUCHON
- TAPÓN

MATERIAL: AISI 316L – 1.4404

CODE	DN	D1 mm	D2 mm	B mm		
819040003	40	42	50	32	0,068	1
819050003	50	53	60,5	40,5	0,106	1
819065003	65	73	80,5	57,5	0,230	1
819080003	80	88,9	98	62	0,317	1
819100003	100	102	112	72	0,420	1
819125003	125	133	145	77	0,634	1
819150003	150	159	174	82	0,854	1

B 100 102



819/004

ISPEZIONE

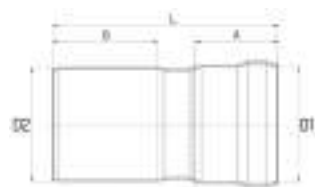
- CLEANOUT PORT
- REVISIONSROHR
- OUVERTURE DE NETTOYAGE
- INSPECCIÓN

MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN	D1 mm	D2 mm	D3 mm	A mm	L mm	M	Screw Nr.	B mm	kg	
819040004	40	42	42	70	30	142,5	M6	4	70	0,286	1
819050004	50	53	53	80	38	165	M6	4	84	0,380	1
819065004	65	73	73	105	55	225	M8	4	115	0,795	1
819080004	80	88,9	88,9	125	60	255	M8	4	130	1,070	1
819100004	100	102	88,9	125	70	291	M8	4	148	1,292	1
819125004	125	133	133	165	75	360	M8	8	182	2,647	1
819150004	150	159	133	165	80	403	M8	8	204	3,257	1



827

ADATTATORE FEMMINA-MASCHIO

- ADAPTER FEMALE-MALE
- ADAPTER I-A
- ADAPTATEUR FEMELLE-MÂLE
- ADAPTADOR HEMBRA-MACHO

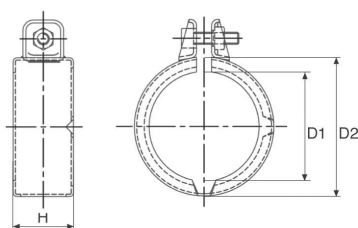
MATERIAL: AISI 316L – 1.4404

NORM: EN 1124-3

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)

CODE	DN	D1 mm	D2 mm	A mm	B mm	L mm	kg	
827042040	40	42	40	30	60	110	0,126	1
827053050	50	53	50	38	60	120	0,177	1
827073075	65	73	75	55	70	150	0,392	1

B 100 102



Disponibile fino a esaurimento scorte
Available while supplies last
Lieferbar solange der Vorrat zu Verfügung steht
Disponible jusqu'à épuisement des stocks
Disponible hasta finalizar existencias

827/000

COLLARE ANTIFILAMENTO

- SAFETY COLLAR
- SICHERHEITSSCHELLE
- COLLIER DE SÉCURITÉ
- ABRAZADERA DE SEGURIDAD

MATERIAL: AISI 316L – 1.4404

CODE	DN	D1 mm	D2 mm	H mm	kg	
827040000	40	42	56	27	0,120	1
827050000	50	53	68	31	0,150	1
827065000	65	73	92,5	40	0,300	1
827080000	80	88,9	110,5	44	0,380	1
827100000	100	102	124,5	53	0,500	1
827125000	125	133	162	58	0,687	1
827150000	150	159	191	63	0,860	1

B 100 102

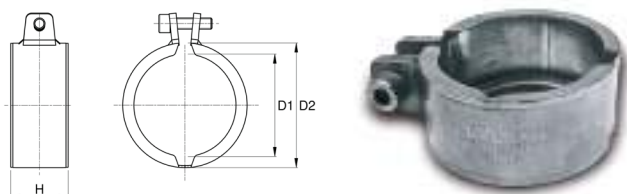
NEW

827/001

COLLARE ANTISFILAMENTO HP

- SAFETY COLLAR HP
- SICHERHEITSSCHELLE HP
- COLLIER DE SÉCURITÉ HP
- ABRAZADERA DE SEGURIDAD HP

MATERIAL: AISI 316L - 1.4404



CODE	DN	D1 mm	D2 mm	H mm	kg	
827040001	40	42	60,3	31,5	0,120	1
827050001	50	53	70	31,5	0,152	1
827065001	65	73	88,9	41	0,209	1
827080001	80	90	110	44,5	0,272	1
827100001	100	101,6	127	53,5	0,363	1
827125001	125	133	168,3	59	0,776	1
827150001	150	159	200	64	0,994	1

La rondella anti-sfilamento è in acciaio inossidabile 304 - 1.4301.

The anti-slip washer is made of stainless steel 304 - 1.4301.

Die Antirutschscheibe ist aus Edelstahl 304 - 1.4301 gefertigt.

La rondelle antidérapante est en acier inoxydable 304 - 1.4301.

La arandela antideslizante está fabricada en acero inoxidable 304 - 1.4301.

B 100 102

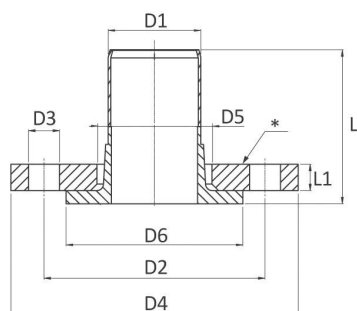
820/PN6

BOCCELLO CON FLANGIA GIREVOLE

- SLEEVE / ROTARY FLANGE
- LOSE-FLANSCH / AUSSEN
- BRIDE TOURNANTE / SORTIE A BRIDE
- BRIDA LOCA / TRONCO EMBRIDADO

MATERIAL: AISI 316L - 1.4404

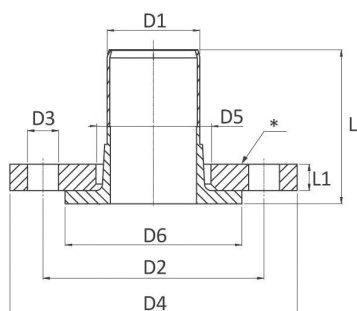
NOTE: [*] S235JR [Fe 360] zincata -
galvanized - verzinkt - galvanisés -
galvanizado



PN 6

CODE	DN	D1 mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	D5 mm	D6 mm	Holes Nr.	kg	
820040006	40	42	70	12	100	14	130	52	80	4	1,304	1
820050006	50	53	80	12	110	14	140	64	90	4	1,544	1
820065006	65	73	100	12	130	14	160	83	110	4	1,975	1
820080006	80	88,9	110	14	150	18	190	96	128	4	3,166	1
820100006	100	102	130	14	170	18	210	113	148	4	3,805	1
820125006	125	133	150	14	200	18	240	140	178	8	4,770	1
820150006	150	159	170	14	225	18	265	166	202	8	5,516	1

B 100 102



820/PN16

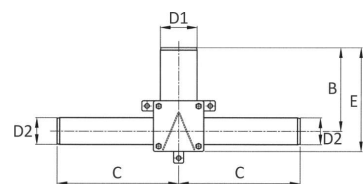
BOCCELLO CON FLANGIA GIREVOLE

- SLEEVE / ROTARY FLANGE
- LOSE-FLANSCH / AUSSEN
- BRIDE TOURNANTE / SORTIE A BRIDE
- BRIDA LOCA / TRONCO EMBRIDADO

MATERIAL: AISI 316L - 1.4404
NOTE: [*] S235JR [Fe 360] zincata -
galvanized - verzinkt - galvanisés -
galvanizado

PN 16

CODE	DN	D1 mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	D5 mm	D6 mm	Holes Nr.	kg	
820040010	40	42	70	16	110	18	150	52	88	4	2,181	1
820050010	50	53	80	18	125	18	165	64	102	4	2,978	1
820065010	65	73	100	18	145	18	185	83	122	4	3,659	1
820080010	80	88,9	110	20	160	18	200	96	138	8	4,580	1
820100010	100	102	130	20	180	18	220	113	158	8	5,455	1
820125010	125	133	150	22	210	18	250	140	188	8	7,377	1
820150010	150	159	170	22	240	22	285	166	212	8	9,029	1



Articolo speciale a richiesta.
Special code on demand.

820/I

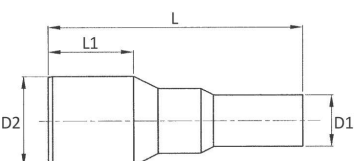
BRAGA RIDOTTA CON ISPEZIONE

- REDUCED BRANCH WITH CLEANOUT
- REDUZIERTER BRANCH / INSPEKTION
- EMBRANCHEMENT RÉDUIT / INSPECTION
- DERIVACIÓN REDUCIDA / INSPECCIÓN

MATERIAL: AISI 316L - 1.4404

CODE	DN1	DN2	D1 mm	D2 mm	B mm	C mm	E mm	kg	
820205000	65	50	73	53	165	240	205	2,120	1
820260000	65	50	73	53	220	240	260	2,280	1

B 100 102



Articolo speciale a richiesta.
Special code on demand.

820/R

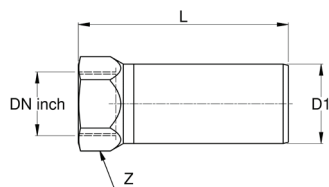
RIDUZIONE L=1000 MM

- REDUCER WITHOUT SOCKET L=1000 MM
- REDUZIERSTÜCK A-A L=1000 MM
- RÉDUCTION L=1000 MM
- REDUCCIÓN L=1000 MM

MATERIAL: AISI 316L - 1.4404

CODE	D1 mm	D2 mm	L mm	L1 mm	kg	
820065040	42	73	1000	70	1,336	1

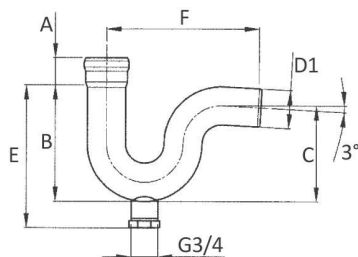
B 100 102

**820/F****B 100 102****RACCORDO FILETTATO FEMMINA**

- FEMALE THREADED CONNECTOR
- ÜBERGANGSSTÜCK MIT IG
- RACCORD FILETÉ FEMELLE
- RACOR ROSCA HEMBRA

MATERIAL: AISI 316L – 1.4404

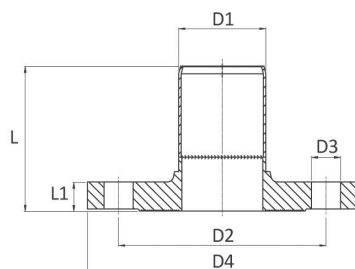
CODE	DN	D1 mm	DN inch	L mm	Z mm	kg	
820040100	40	42	1"	140	46	0,290	1
820040114	40	42	1 1/4"	140	46	0,270	1
820040112	40	42	1 1/2"	140	55	0,390	1
820050114	50	53	1 1/4"	140	55	0,440	1
820050112	50	53	1 1/2"	140	55	0,370	1
820050200	50	53	2"	140	70	0,660	1

**820/S****B 100 102****SIFONE**

- TRAP
- SYPHON
- SIPHON
- SIFÓN

MATERIAL: AISI 316L – 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 50)**NORM:** EN 1124-3

CODE	DN	D1 mm	A mm	B mm	C mm	E mm	F mm	kg	
820040000	40	42	30	128	105	162	172	0,700	1
820050000	50	53	38	161	132,5	198	212	0,990	1

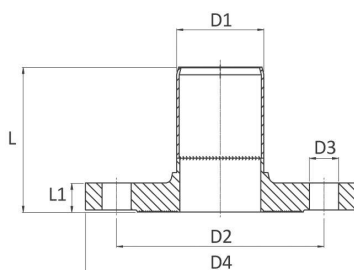
**821/PN6****B 100 102****FLANGIA CON RACCORDO MASCHIO PN6**

- FLANGE WITH SPIGOT PN6
- FLANSCHADAPTER / AUSSEN PN6
- BRIDE DE RACCORD / MALE PN6
- BRIDA ADAPTADOR / MACHO PN6

MATERIAL: AISI 316L – 1.4404**PN 6**

CODE	DN	D1 mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	Holes Nr.	kg	
821040006	40	42	70	14	100	14	130	4	1,301	1
821050006	50	53	78,5	14	110	14	140	4	1,475	1
821065006	65	73	97,5	14	130	14	160	4	1,897	1
821080006	80	88,9	105	16	150	18	190	4	2,979	1
821100006	100	102	115	16	170	18	210	4	3,497	1
821125006	125	133	116	10	200	18	240	8	2,792	1
821150006	150	159	122	10	225	18	265	8	3,245	1

B 100 102



821/PN16

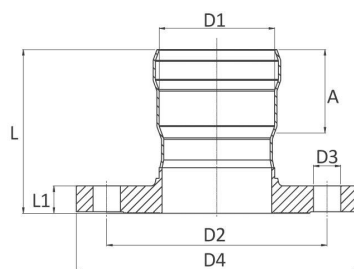
FLANGIA CON RACCORDO MASCHIO

- FLANGE WITH SPIGOT
- FLANSCHADAPTER / AUSSEN
- BRIDE DE RACCORD / MALE
- BRIDA ADAPTADOR / MACHO

MATERIAL: AISI 316L – 1.4404

PN 16

CODE	DN	D1 mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	Holes Nr.	kg	
821040010	40	42	72	16	110	18	150	4	1,968	1
821050010	50	53	82,5	18	125	18	165	4	2,650	1
821065010	65	73	101,5	18	145	18	185	4	3,270	1
821080010	80	88,9	109	20	160	18	200	8	3,995	1
821100010	100	102	119	20	180	18	220	8	4,670	1
821125010	125	133	118	12	210	18	250	8	3,625	1
821150010	150	159	125	12	240	22	285	8	4,482	1



822/PN6

FLANGIA CON RACCORDO FEMMINA PN6

- FLANGE WITH SOCKET PN6
- FLANSCHADAPTER / INNEN PN6
- BRIDE DE RACCORD / FEMELLE PN6
- BRIDA ADAPTADOR / HEMBRA PN6

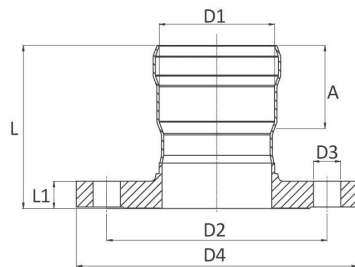
MATERIAL: AISI 316L – 1.4404

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)

NORM: EN 1124-3

PN 6

CODE	DN	D1 mm	A mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	Holes Nr.	kg	
822040006	40	42	30	67	14	100	14	130	4	1,304	1
822050006	50	53	38	75	14	110	14	140	4	1,477	1
822065006	65	73	55	104	14	130	14	160	4	1,931	1
822080006	80	88,9	60	100	16	150	18	190	4	2,986	1
822100006	100	102	70	125	16	170	18	210	4	3,563	1
822125006	125	133	75	112	10	200	18	240	8	2,815	1
822150006	150	159	80	117,5	10	225	18	265	8	3,270	1

**822/PN16****B 100 102****FLANGIA CON RACCORDO FEMMINA**

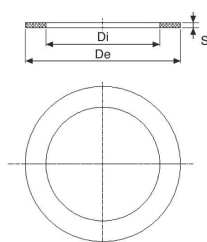
- FLANGE WITH SOCKET
- FLANSCHADAPTER / INNEN
- BRIDE DE RACCORD / FEMELLE
- BRIDA ADAPTADOR / HEMBRA

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)

EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3**PN 16**

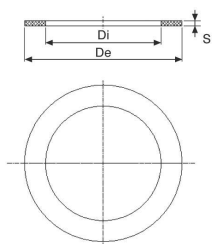
CODE	DN	D1 mm	A mm	L mm	L1 mm	D2 mm	D3 mm	D4 mm	Holes Nr.	kg	
822040010	40	42	30	69	16	110	18	150	4	1,972	1
822050010	50	53	38	79	18	125	18	165	4	2,653	1
822065010	65	73	55	108	18	145	18	185	4	3,301	1
822080010	80	88,9	60	104	20	160	18	200	8	4,000	1
822100010	100	102	70	129	20	180	18	220	8	4,736	1
822125010	125	133	75	114	12	210	18	250	8	3,648	1
822150010	150	159	80	119,5	12	240	22	285	8	4,504	1

**434/PN 6****R 30 30****GUARNIZIONE ECOLOGICA PER FLANGE**

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

MATERIAL: Sesalit Eco**NORM:** EN 1092-1**PN 6**

CODE	DN	De mm	Di mm	S mm	g	
434040006	40 - (1"1/2)	85	45	2	14	10
434050006	50 - (2")	95	57	2	15	10
434065006	65 - (2"1/2)	115	76	2	19	10
434080006	80 - (3")	132	89	2	26	10
434100006	100 - (4")	152	108	2	29	10
434125006	125 - (5")	182	133	2	41	10
434150006	150 - (6")	207	160	2	38	10



434/PN 10-16

R 30 30

GUARNIZIONE ECOLOGICA PER FLANGE

- GASKET FOR FLANGE
- FLANSCHDICHTUNG
- JOINT POUR BRIDE
- JUNTA ECOLÓGICA PARA BRIDA

PN
10/16

MATERIAL: Sesalit Eco
NORM: EN 1092-1

CODE	DN	De mm	Di mm	S mm		
434040000	40 - [1 1/2"]	92	45	2	17	10
434050000	50 - [2"]	108	57	2	22	10
434065000	65 - [2 1/2"]	127	76	2	27	10
434080000	80 - [3"]	142	89	2	30	10
434100000	100 - [4"]	162	108	2	38	10
434125000	125 - [5"]	192	140	2	44	10
434150000	150 - [6"]	218	169	2	55	10

Sesalit ECO: fibre organiche e sintetiche legate con gomma NBR/SBR esente amianto

IMPIEGHI: Acqua calda e fredda, olii vegetali ed animali, aria, alcuni carburanti (no GAS)

LIMITI DI TEMPERATURA ORIENTATIVI

Temperatura massima per brevi esposizioni: 180°-200° C

Temperatura massima di esercizio continuo per fluidi non aggressivi: 140° C

Temperatura massima di esercizio continuo con vapore: 110° C

OMOLOGAZIONI: acqua potabile WRAS n° 1605525

Sesalit ECO: organic and synthetic fibers bonded with NBR/SBR asbestos-free

USES: hot and cold water, vegetable and animal oils, air, some fuels (no GAS)

GUIDELINE TEMPERATURE LIMITS

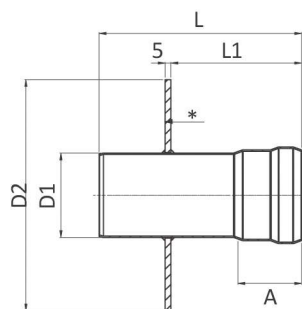
Maximum temperature for short exposure: 180°-200° C

Maximum operating temperature for continuous non-aggressive fluids: 140° C

Maximum temperature for continuous operation with steam: 110° C

APPROVAL: potable water WRAS n° 1605525

B 100 102

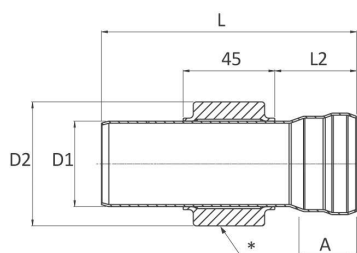
**823/F1****PASSAGGIO STAGNO F1**

- DECK / BULKHEAD PENETRATION F1
- WANDDURCHFÜHRUNG F1
- PASSAGE ÉTANCHE F1
- PASAJE ESTAÑO F1

MATERIAL: AISI 316L - 1.4404**NOTE:** (*) S235JR (Fe 360) verniciato - painted - bemalt - peint - pintado**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	L mm	L1 mm	D2 mm	A mm	kg	
823040000	40	42	161	93	200	30	1,345	1
823050000	50	53	202	118	200	38	1,410	1
823065000	65	73	279	165	200	55	1,470	1
823080000	80	88,9	332	194	200	60	1,510	1
823100000	100	102	381	223	200	70	2,130	1
823125000	125	133	479	275	250	75	3,775	1
823150000	150	159	562	319	250	80	4,511	1

B 100 102

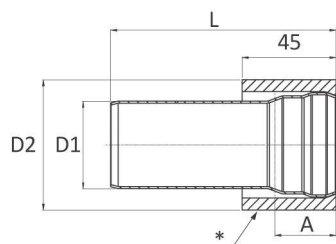
**823/M1****PASSAGGIO STAGNO M1**

- DECK / BULKHEAD PENETRATION M1
- WANDDURCHFÜHRUNG M1
- PASSAGE ÉTANCHE M1
- PASAJE ESTAÑO M1

MATERIAL: AISI 316L - 1.4404**NOTE:** (*) S235JR (Fe 360) verniciato - painted - bemalt - peint - pintado**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

CODE	DN	D1 mm	L mm	L2 mm	D2 mm	A mm	kg	
823040001	40	42	125	40	61	30	0,533	1
823050001	50	53	145	50	70	38	0,612	1
823065001	65	73	175	65	88,9	55	0,926	1
823080001	80	88,9	185	70	110	60	1,394	1
823100001	100	102	205	80	121	70	1,501	1
823125001	125	133	215	85	150	75	1,979	1
823150001	150	159	225	90	178	80	2,613	1

B 100 102



823/M2

PASSAGGIO STAGNO M2

- DECK / BULKHEAD PENETRATION M2
- WANDDURCHFÜHRUNG M2
- PASSAGE ÉTANCHE M2
- PASAJE ESTAÑO M2

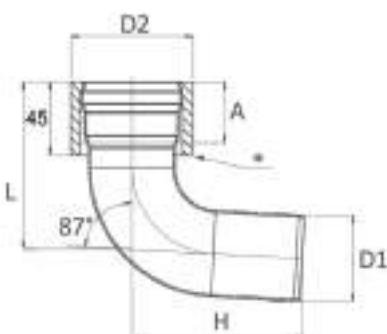
MATERIAL: AISI 316L – 1.4404

NOTE: (*) S235JR (Fe 360) verniciato – painted – bemalt – peint – pintado

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)

NORM: EN 1124-3

CODE	DN	D1 mm	L mm	D2 mm	A mm	kg	
823040002	40	42	108	62,5	30	0,485	1
823050002	50	53	125	75	38	0,645	1
823065002	65	73	155	101	55	1,180	1
823080002	80	88,9	178	113,5	60	1,200	1
823100002	100	102	198	133	70	1,760	1
823125002	125	133	245	168	75	2,773	1
823150002	150	159	284	193	80	3,116	1



823/M3

PASSAGGIO STAGNO M3

- DECK / BULKHEAD PENETRATION M3
- WANDDURCHFÜHRUNG M3
- PASSAGE ÉTANCHE M3
- PASAJE ESTAÑO M3

MATERIAL: AISI 316L – 1.4404

NOTE: (*) S235JR (Fe 360) verniciato – painted – bemalt – peint – pintado

GASKET: EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 100)

NORM: EN 1124-3

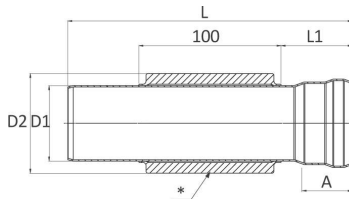
CODE	DN	D1 mm	L mm	D2 mm	H mm	A mm	kg	
823040003	40	42	85	62,5	88	30	0,564	1
823050003	50	53	103	75	106	38	0,771	1
823065003	65	73	138	101	142	55	1,510	1
823080003	80	88,9	157	113,5	162	60	1,485	1
823100003	100	102	180	133	186	70	2,365	1

B 100 102

823/M4

PASSAGGIO STAGNO M4

- DECK / BULKHEAD PENETRATION M4
- WANDDURCHFÜHRUNG M4
- PASSAGE ÉTANCHE M4
- PASAJE ESTANCO M4

MATERIAL: AISI 316L - 1.4404**NOTE:** [*] S235JR (Fe 360) verniciato - painted - bemalt - peint - pintado**GASKET:** EPDM cod. 826/GV (Ø 40 ÷ 65)
EPDM cod. 826/G (Ø 80 ÷ 150)**NORM:** EN 1124-3

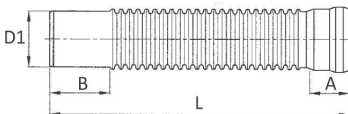
CODE	DN	D1 mm	L mm	L1 mm	D2 mm	A mm	kg	
823040004	40	42	180	40	61	30	1,195	1
823050004	50	53	200	50	70	38	1,320	1
823065004	65	73	230	65	88,9	55	1,820	1
823080004	80	88,9	240	70	110	60	2,835	1
823100004	100	102	260	80	121	70	2,895	1
823125004	125	133	270	85	150	75	3,462	1
823150004	150	159	280	90	178	80	4,675	1

B 100 102

824/G

FLESSIBILE PER SCARICHI / GRAVITÀ

- FLEXIBLE PIPE FOR DRAINS / GRAVITY
- FLEXIBEL ROHR / SCHWERKRAFT
- TUYAU FLEXIBLE / GRAVITÉ
- TUBO FLEXIBLE / GRAVITACIÓN

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50)**NORM:** EN 1124-3

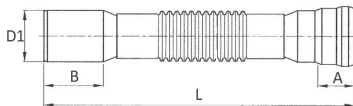
CODE	DN	D1 mm	A mm	L mm	B mm	kg	
8240500600	50	53	38	600	55	0,780	1
8240500750	50	53	38	750	55	0,960	1
8240501000	50	53	38	1000	55	1,260	1
8240501250	50	53	38	1250	55	1,550	1

B 100 102

824/V

FLESSIBILE PER SCARICHI / VUOTO

- FLEXIBLE PIPE FOR DRAINS / VACUUM
- FLEXIBEL ROHR / VAKUUM
- TUYAU FLEXIBLE / VIDE
- TUBO FLEXIBLE / VACÍO

MATERIAL: AISI 316L - 1.4404**GASKET:** EPDM cod. 826/GV (Ø 50)**NORM:** EN 1124-3

CODE	DN	D1 mm	A mm	L mm	B mm	kg	
8240501100	50	53	38	1100	62	1,936	1
8240501500	50	53	38	1500	62	2,576	1
8240502000	50	53	38	2000	62	3,446	1
8240502500	50	53	38	2500	62	4,308	1

B 100 102

825/01

POZZETTO CON FLANGIA / ATTACCO ORIZZONTALE

- SCUPPER WITH FLANGE / HORIZONTAL OUTLET
- BODENABLAUF MIT FLANSCH / HORIZONTAL ABGANG
- BONDE AVEC BRIDE / LATÉRAL
- DESAGÜE CON BRIDA / LATERAL

MATERIAL: AISI 316L - 1.4404

NOTE: Senza sifone - Without siphon - Ohne Syphon - Sans siphon - Sin sifón



CODE	DN	D1 mm	L mm	H mm	H1 mm	D mm	D2 mm	kg	
825040011	40	42	115	134,5	111,5	138	200	3,280	1
825050011	50	53	115	134,5	111,5	138	200	3,300	1
825065011	65	73	142,5	134,5	99	138	200	3,420	1

B 100 102

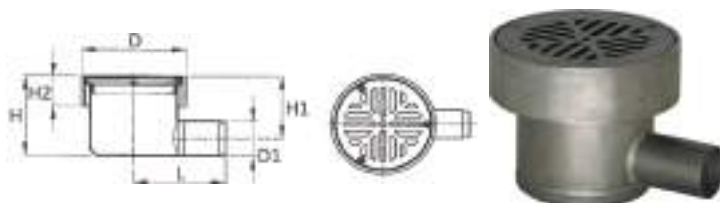
825/02

POZZETTO A SALDARE / ATTACCO ORIZZONTALE

- SCUPPER TO WELD / HORIZONTAL OUTLET
- BODENABLAUF ZU SCHWEISSEN / HORIZONTAL ABGANG
- BONDE À SOUDER / LATÉRAL
- DESAGÜE PARA SOLDAR / LATERAL

MATERIAL: AISI 316L - 1.4404

NOTE: Senza sifone - Without siphon - Ohne Syphon - Sans siphon - Sin sifón



CODE	DN	D1 mm	L mm	H mm	H1 mm	H2 mm	D mm	kg	
825040022	40	42	115	134,5	111,5	45	150	2,350	1
825050022	50	53	115	134,5	111,5	45	150	2,380	1
825065022	65	73	142,5	134,5	99	45	150	2,500	1
825100022	100	102	157,5	153,5	102,5	45	150	2,830	1

B 100 102

825/03

POZZETTO CON FLANGIA / ATTACCO VERTICALE

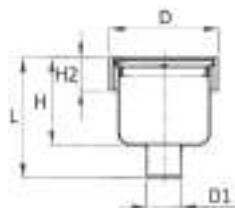
- SCUPPER WITH FLANGE / VERTICAL OUTLET
- BODENABLAUF MIT FLANSCH / VERTIKAL ABGANG
- BONDE AVEC BRIDE / VERTICAL
- DESAGÜE CON BRIDA / VERTICAL

MATERIAL: AISI 316L - 1.4404

NOTE: Senza sifone - Without siphon - Ohne Syphon - Sans siphon - Sin sifón



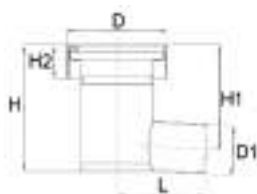
CODE	DN	D1 mm	L mm	H mm	D mm	D2 mm	kg	
825040033	40	42	189,5	134,5	138	200	3,270	1
825050033	50	53	189,5	134,5	138	200	3,270	1
825065033	65	73	208,5	134,5	138	200	3,380	1

**825/04****B 100 102****POZZETTO A SALDARE / ATTACCO VERTICALE**

- SCUPPER TO WELD / VERTICAL OUTLET
- BODENABLAUF ZU SCHWEISSEN / VERTIKAL ABGANG
- BONDE À SOUDER / VERTICAL
- DESAGÜE PARA SOLDAR / VERTICAL

MATERIAL: AISI 316L - 1.4404**NOTE:** Senza sifone - Without siphon - Ohne Syphon - Sans siphon - Sin sifón

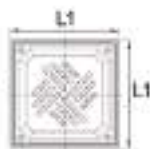
CODE	DN	D1 mm	L mm	H mm	H2 mm	D mm	kg	
825040044	40	42	189,5	134,5	45	150	2,340	1
825050044	50	53	189,5	134,5	45	150	2,370	1
825065044	65	73	208,5	134,5	45	150	2,460	1
825100044	100	102	223,5	134,5	45	150	2,480	1

**825/05****B 100 102****POZZETTO A SALDARE / ATTACCO ORIZZONTALE / LUNGO**

- SCUPPER TO WELD / HORIZONTAL OUTLET / LONG
- BODENABLAUF ZU SCHWEISSEN / HORIZONTAL ABGANG / LANG
- BONDE À SOUDER / LATÉRAL / LONG
- DESAGÜE PARA SOLDAR / LATERAL / LARGO

MATERIAL: AISI 316L - 1.4404**NOTE:** Senza sifone - Without siphon - Ohne Syphon - Sans siphon - Sin sifón

CODE	DN	D1 mm	L mm	H mm	H1 mm	H2 mm	D mm	kg	
825040055	40	42	128,5	187	169,5	50	150	2,006	1
825050055	50	53	129	187	164	50	150	2,032	1
825065055	65	73	129,5	187	154	50	150	2,074	1
825100055	100	102	157	187	141	50	150	2,246	1

**825/06 Q****B 100 102****POZZETTO A SALDARE / ATTACCO ORIZZONTALE / TELESCOPICO / QUADRO**

- SCUPPER TO WELD / HORIZONTAL OUTLET / TELESCOPIC / SQUARE
- BODENABLAUF ZU SCHWEISSEN / HORIZONTAL ABGANG / TELESKOPISCH / QUADRAT
- BONDE À SOUDER / LATÉRAL / TÉLESCOPIQUE / CARRÉ
- DESAGÜE PARA SOLDAR / LATERAL / TELESCÓPICO / CUADRADO

MATERIAL: AISI 316L - 1.4404**NOTE:** Con sifone - With siphon - Mit Syphon - Avec siphon - Con sifón

CODE	DN	D1 mm	L mm	L1 mm	H mm	H1 mm	H2 mm	H3 mm	D mm	D2 mm	kg	
825040066Q	40	42	128,5	150	124,5	92	45	20-100	145	110	2,946	1
825050066Q	50	53	128,5	150	124,5	92	45	20-100	145	110	2,942	1
825065066Q	65	73	140	150	124,5	88	45	20-100	145	110	2,992	1

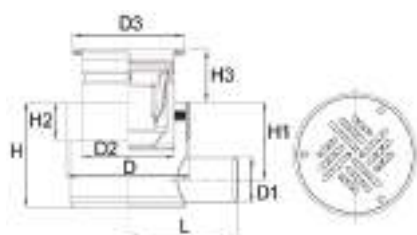
B 100 102

825/06 C

POZZETTO A SALDARE / ATTACCO ORIZZONTALE / TELESCOPICO / ROTONDO

- SCUPPER TO WELD / HORIZONTAL OUTLET / TELESCOPIC / ROUND
- BODENABLAUF ZU SCHWEISSEN / HORIZONTAL ABGANG / TELESKOPISCH / RUNDE
- BONDE À SOUDER / LATÉRAL / TÉLESCOPIQUE / ROND
- DESAGÜE PARA SOLDAR / LATERAL / TELESCÓPICO / REDONDO

MATERIAL: AISI 316L – 1.4404

NOTE: Con sifone – With siphon – Mit Syphon – Avec siphon – Con sifón


CODE	DN	D1 mm	L mm	H mm	H1 mm	H2 mm	H3 mm	D mm	D2 mm	D3 mm	kg	
825040066C	40	42	128,5	124,5	92	45	25-90	145	110	136	2,782	1
825050066C	50	53	128,5	124,5	92	45	25-90	145	110	136	2,838	1
825065066C	65	73	140	124,5	88	45	25-90	145	110	136	2,865	1

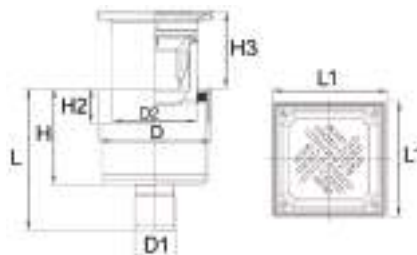
B 100 102

825/07 Q

POZZETTO A SALDARE / ATTACCO VERTICALE / TELESCOPICO / QUADRO

- SCUPPER TO WELD / VERTICAL OUTLET / TELESCOPIC / SQUARE
- BODENABLAUF ZU SCHWEISSEN / VERTIKAL ABGANG / TELESKOPISCH / QUADRAT
- BONDE À SOUDER / VERTICAL / TÉLESCOPIQUE / CARRÉ
- DESAGÜE PARA SOLDAR / VERTICAL / TELESCÓPICO / CUADRADO

MATERIAL: AISI 316L – 1.4404

NOTE: Con sifone – With siphon – Mit Syphon – Avec siphon – Con sifón


CODE	DN	D1 mm	L mm	L1 mm	H mm	H2 mm	H3 mm	D mm	D2 mm	kg	
825040077Q	40	42	184,5	150	124,5	45	20-100	145	110	2,904	1
825050077Q	50	53	184,5	150	124,5	45	20-100	145	110	2,950	1
825065077Q	65	73	198,5	150	124,5	45	20-100	145	110	2,980	1

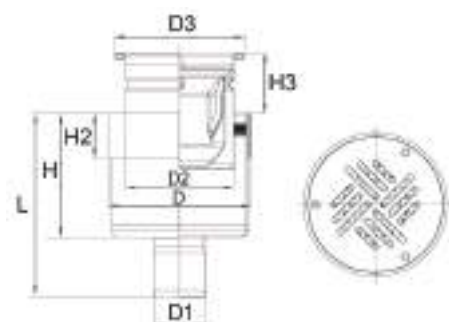
B 100 102

825/07 C

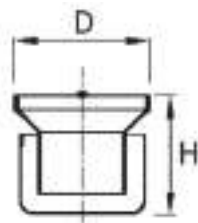
POZZETTO A SALDARE / ATTACCO VERTICALE / TELESCOPICO / ROTONDO

- SCUPPER TO WELD / VERTICAL OUTLET / TELESCOPIC / ROUND
- BODENABLAUF ZU SCHWEISSEN / VERTIKAL ABGANG / TELESKOPISCH / RUNDE
- BONDE À SOUDER / VERTICAL / TÉLESCOPIQUE / ROND
- DESAGÜE PARA SOLDAR / VERTICAL / TELESCÓPICO / REDONDO

MATERIAL: AISI 316L – 1.4404

NOTE: Con sifone – With siphon – Mit Syphon – Avec siphon – Con sifón


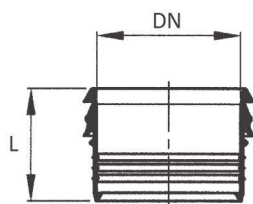
CODE	DN	D1 mm	L mm	H mm	H2 mm	H3 mm	D mm	D2 mm	D3 mm	kg	
825040077C	40	42	184,5	124,5	45	25-90	145	110	136	2,817	1
825050077C	50	53	184,5	124,5	45	25-90	145	110	136	2,798	1
825065077C	65	73	198,5	124,5	45	25-90	145	110	136	2,848	1

**820/P****B 100 102****SIFONE PER POZZETTO DI SCARICO**

- SIPHON FOR SCUPPER DRAIN
- SIPHON FÜR BODENABLAUF
- SIPHON POUR BONDE
- SIFÓN PARA DESAGÜE

MATERIAL: AISI 316L – 1.4404**NOTE:** per / for / für / pour / para 825/01÷04

CODE	D mm	H mm	 kg	
820000000	106	96	0,365	1



826/GV

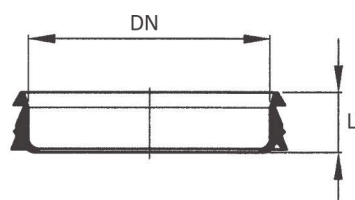
B 100 102

ANELLO DI TENUTA / GRAVITÀ + VUOTO

- SEAL / GRAVITY + VACUUM
- DICHTUNG / SCHWERKRAFT + VAKUUM
- JOINT / GRAVITÉ + VIDE
- GUARNICIÓN / GRAVITACIÓN + VACÍO

MATERIAL: gomma / rubber EPDM

CODE	DN	L mm	kg	
826040000	40	34,5	0,010	1
826050000	50	42,5	0,018	1
826065000	65	59,5	0,035	1



826/G

B 100 102

ANELLO DI TENUTA

- SEAL
- DICHTUNG
- JOINT
- GUARNICIÓN

MATERIAL: gomma / rubber EPDM

CODE		DN	L mm	kg	
826040001	*	40	15	0,007	1
826050001	*	50	18	0,012	1
826065001	*	65	21	0,020	1
826080001	**	80	22,5	0,029	1
826100001	**	100	27	0,051	1
826125001	**	125	29,5	0,080	1
826150001	**	150	36	0,138	1

(*) gravità / gravity / Schwerrkraft / gravité / gravitación

(**) gravità + test a vuoto fino a -0,97 bar / gravity + vacuum tested up to -0,97 bar / Schwerrkraft + Vakuumgeprüft bis -0,97 bar / gravité + testé sous vide à -0,97 bar / gravitación + prueba de vacío a -0,97 bar



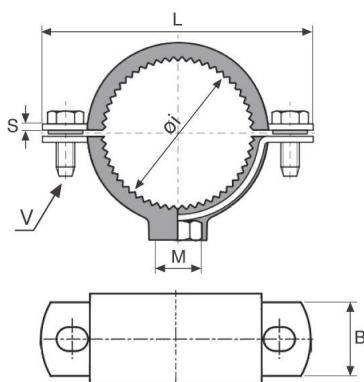
826/L

B 100 102

TUBETTO LUBRIFICANTE 150 GR

- LUBRICANT 150 GR
- SCHMIERSTOFF 150 GR
- LUBRIFIANT 150 GR
- LUBRICANTE 150 GR

CODE	kg		
826000002	0,150	1	50



Conforme a
Conform to
Entsprechend
Correspondant
Conforme a la

DIN 4109

156/G

COLLARE CON GOMMA

- CLAMP WITH RUBBER
- ROHRSCHELLE MIT GUMMIEINLAGE
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE
- ABRAZADERA ISOFÓNICA

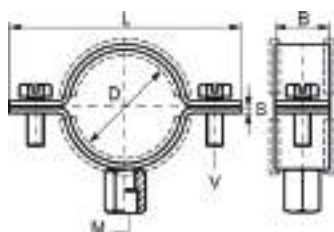
MATERIAL: AISI 304 - 1.4301

VULCANIZED RUBBER: EPDM (-20° C/+120° C)
durezza/hardness 55 Shore

NOTE: dado saldato con puntatura elettrica
spot welded nut

CODE	Øi Drain mm	M	V mm	B mm	L mm	S mm			
156114304G	42	M 8	M 6 x 20	20	85	2,5	120	1	50*
156112304G	53	M 8	M 6 x 25	20	97	2,5	142	1	50*
156212304G	73	M 10	M 6 x 25	30	128	2,5	308	1	10*
156300304G	88,9	M 10	M 6 x 25	30	148	2,5	346	1	10*

[*] unità minima di vendita / minimum selling quantity



156/G

COLLARE CON GOMMA

- CLAMP WITH RUBBER
- ROHRSCHELLE MIT GUMMIEINLAGE
- COLLIER DE FIXATION GARNITURE ISOPHONIQUE
- ABRAZADERA ISOFÓNICA

MATERIAL: AISI 316 - 1.4401

VULCANIZED RUBBER: EPDM (-20° C/+120° C)

NOTE: dado saldato con puntatura elettrica
spot welded nut

CODE	Øi Drain mm	DN inch	M	V mm	B mm	L mm	S mm		
156312316G	102	3"1/2	M 8 / 10	M 6 x 20	20	165	2	189	10*
156500316G **	133	5"	M 10	M 6 x 25	20	179	2,5	250	10*
156600316G **	159	6"	M 10	M 8 x 35	25	233	2,5	470	10*

[*] unità minima di vendita / minimum selling quantity

[**] AISI 316L / 1.4404

NOTE

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Come ordinare

How to order



+ 39 0376 96 001



ordini.info@racmet.com



raccorderiemetalliche.com



Struttura commerciale - Sales Organisation

344 - 346



PRODUCT MANAGER

Luca BENZONI

Tel. +39 0376 96 02 39

luca.benzoni@racmet.com



QUALITY MANAGER

Silvio POZZETTI

Tel. +39 0376 96 02 91

Mob. +39 335 7250642

silvio.pozzetti@racmet.com



TECHNICAL & SALES CONSULTANT

Matteo AVANZI

Tel. 0376 96001

Mob. +39 342 8068177

tecnico@racmet.com



BRAND MANAGER

Isabella LODI RIZZINI

Tel. +39 0376 96 001

isabella.lodirizzini@racmet.com



CUSTOMER SERVICE

Sara BELLADELLI

Tel. +39 0376 96 001

ordini.info@racmet.com



AMMINISTRAZIONE book-keeping

Giovanni MIRONI

Tel. +39 0376 96 02 21

amministrazione@racmet.com

Seguici sui nostri Social

Follow us on our Social Network pages

@raccorderiemetalliche



Il nuovo Catalogo Gennaio 2026 è disponibile

- nella versione digitale nella nuova sezione **CATALOGO ONLINE**
- nella versione pdf nella sezione **DOWNLOAD** del nostro sito **raccorderiemetalliche.com**.

The new January 2026 Catalog is available

- in the digital version in the new **ONLINE CATALOG** section
- in the pdf version in the **DOWNLOAD** section of our website **raccorderiemetalliche.com**.

Condividi le foto dei tuoi impianti!

SHARE PHOTOS OF YOUR PLANTS !

Hai realizzato un impianto utilizzando i nostri sistemi pressare?

Inviaci le foto e i dettagli della tua installazione

all'indirizzo mail **marketing@racmet.com**,

le pubblicheremo sui nostri canali web.

Did you build a system using our pressfitting systems?

Send us the photos and details of your installation

to the email address **marketing@racmet.com** and

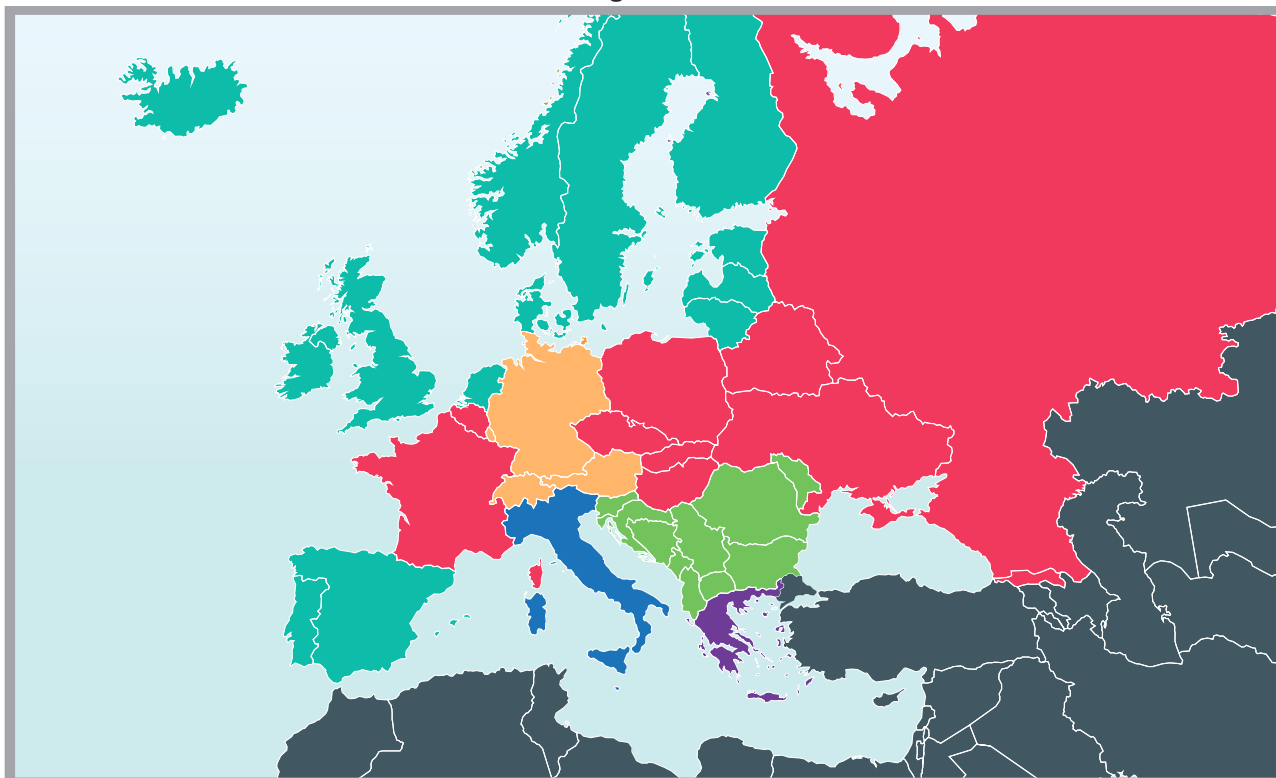
we will post them on our web channels.





Raccorderie Metalliche S.p.a.

Struttura commerciale Estero Sales Organization



RM Sales Team

Germany - Austria Switzerland - Luxembourg

Francesco GUANZINI
Tel. +39 0376 960285
Mob. +39 335 7371662
francesco.guanzini@racmet.com

Greece

Massimiliano GABBI
Tel. +39 0376 96 02 06
Mob. +39 335 7663876
massimiliano.gabbi@racmet.com

Denmark - Finland - Norway Sweden - Estonia - Latvia Lithuania - Iceland Great Britain - Ireland - Spain Portugal - Netherlands

Paolo IMPERIALE
Tel. +39 0376 960259
Mob. +39 344 0958857
paolo.imperiale@racmet.com

France - Poland - Russia Ukraine - Belarus Czech Republic Slovak Republic Hungary - Belgium

Roberto PEREZ
Tel. +39 0376 960122
Mob. +39 344 0961187
roberto.perez@racmet.com

RACCORDERIE METALLICHE FRANCE

Frédéric DEVAUX
Tel. +33 4 78 67 54 46
Mob. +33 698565339
frederic.devaux@racmet.com

Sales Partners

DEUTSCHLAND

Horst HAGEBOEKE
Linden Str., 41
D-32312 Lübbecke
Tel. +49 (0) 5741 370180
Fax +49 (0) 5741 370182
Mob. +49 (0) 170 204 2100
industrie@hageboeke.com

ROMANIA - BULGARIA SLOVENIA - CROATIA MACEDONIA - ALBANIA MONTENEGRO BOSNIA ERZEGOVINA SERBIA-MOLDOVA KOSOVO

Dejan UGRINIC
Hrvatska - 10431 Sveta
Nedjelja
Novaki, Rakitska 25
Mob. +385 (0) 98 282 405
ugrineks@ugrineks.hr

CZECH & SLOVAKIA REPUBLIC

Samuele PEDRIALI
Mob. +420 736 540 017
samuele.p@atlas.cz

**Technický poradce
Radim OBERHERR**
Mob. +420 777 049 805

GREECE

**VADIA
GIANNOPOULOS
ENTERPRISES S.A.**
212 - 212A Evelpidon, Ave
16672 Vari-Athens
Tel. +30 210 9654006
Fax +30 210 9654666
info@bgiannopoulos.gr

POLAND

Robert WRÓBLEWSKI
Tel. +48 603 093 881
robert.wroblewskirm@gmail.com

HUNGARY

György KOVÁCS
Mob. +36 20 432 4732
gyorgy.kovacs@racmet.com

Extra EU Countries

Sandro CARIOTTI
SALES MANAGER EXTRA EU
Mob. +39 342 6310071
sandro.cariotti@racmet.com

Akash YADAV
COUNTRY MANAGER - INDIA
Mob. +91 9910921430
akash.yadav@racmet.com

Marine Division



Alessio PAOLESCHI
SALES MANAGER MARINE DIVISION
Mob. +39 335 5251961
alessio.paoleschi@racmet.com

Giovanni NICOLINI
TECHNICAL & SALES CONSULTANT
Mob. +39 345 6715573
giovanni.nicolini@racmet.com

RM Pressfitting GmbH

Widenmayerstr. 27
80538 München
Tel. +49 89 69315320



Technische Beratung Für Pressfittingsysteme

DEUTSCHLAND

Roger PFATTHEICHER
Mob. + 49 (0)151 52483379
r.pfattheicher@racmet.com

DEUTSCHLAND

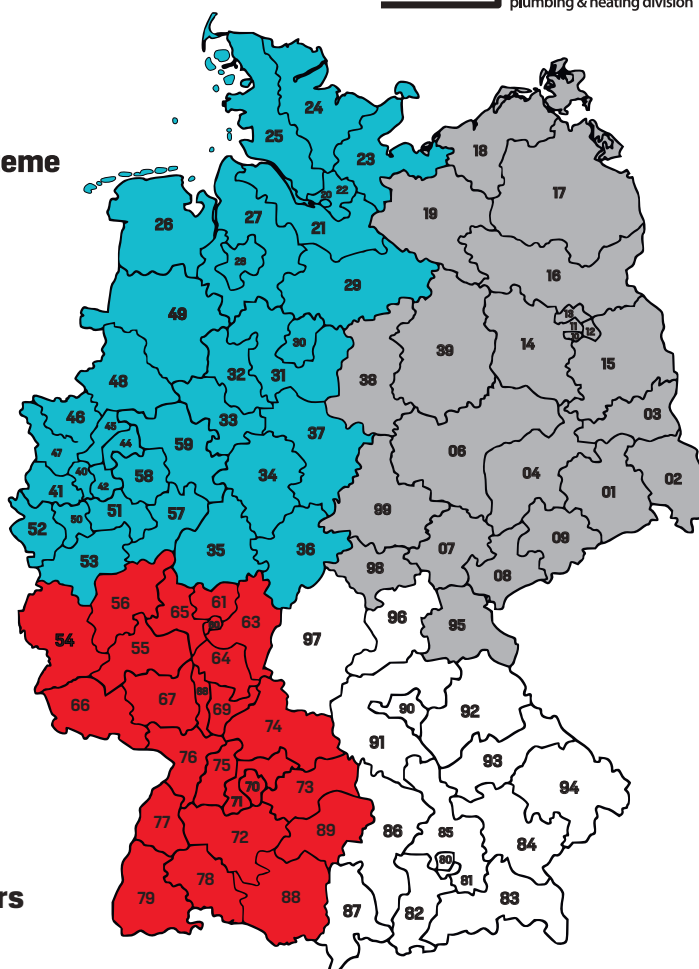
Stephan SCHAPER
Mob. +49 (0)170 7216127
s.schaper@racmet.com

DEUTSCHLAND

Mike ROCKMANN
Mob. +49 (0)151 24069608
m.rockmann@racmet.com

DEUTSCHLAND

Max FRIEßL
Mob. +49 (0)151 12947989
m.friessl@racmet.com



RM Sales Team

**Germany - Austria
Switzerland - Luxembourg**

Francesco GUANZINI
Tel. +39 0376 960285
Mob. +39 335 7371662
francesco.guanzini@racmet.com

Sales Partners

DEUTSCHLAND

Horst HAGEBOEKE
Linden Str., 41
D-32312 Lübbecke
Tel. +49 (0) 5741 370180
Fax +49 (0) 5741 370182
Mob. +49 (0) 170 204 2100
industrie@hageboeke.com

Raccorderie Metalliche France

Roberto PEREZ
Tel. +39 0376 960122
Mob. +39 344 0961187
roberto.perez@racmet.com

Frédéric DEVAUX
Responsable des ventes France
Tel. +33 4 78 67 54 46
Mob. +33 6 98565339
frederic.devau@racmet.com

Aubérie GABRIELE
Commerciale itinérante et prescription - Paris et IDF
Mob. +33 6 07 73 75 35
auberi.gabriele@racmet.com

Marine Division

MARINE DIVISION
Alessio PAOLESCHI
SALES MANAGER MARINE DIVISION
Mob. +39 335 5251961
alessio.paoleschi@racmet.com

MARINE DIVISION
Giovanni NICOLINI
TECHNICAL & SALES CONSULTANT
Mob. +39 345 6715573
giovanni.nicolini@racmet.com



Condizioni Generali di Vendita

Di seguito sono riportate le Condizioni Generali di Vendita ("CGV") applicabili a tutti i rapporti di vendita tra Raccorderie Metalliche S.p.A. ("RM" o la "Società") e i soggetti che effettuano, direttamente o tramite agente, un ordine di merce (gli "Acquirenti" o, singolarmente, l'Acquirente").

Tutte le CGV, incluse le presenti premesse, si intendono pertanto conosciute ed accettate dagli Acquirenti, senza riserva alcuna, con il conferimento dell'ordine a RM, a nulla rilevando eventuali condizioni generali predisposte dall'Acquirente.

Le CGV trovano applicazione ai rapporti di vendita, in quanto non derogate da specifici accordi contrattuali tra RM e gli Acquirenti.

Nell'interpretazione ed esecuzione degli ordini si farà riferimento inoltre alle clausole previste dagli Incoterms edizione 2020.

1. Ordini

- 1.1 Le nostre offerte sono da considerarsi impegnative solo a fronte di una regolare conferma d'ordine scritta ("CdO") inviata all'Acquirente da RM.
- 1.2 Gli ordini richiesti a RM non sono vincolanti fino a CdO scritta.
- 1.3 E' facoltà di RM di richiedere ulteriori chiarimenti prima di accettare l'ordine ovvero di rifiutarlo a proprio insindacabile giudizio.
- 1.4 Gli ordinativi di merce si intendono fatti con riferimento al catalogo vigente. I prodotti ed i prezzi riportati sono da considerarsi comunque indicativi. E' facoltà di RM di modificare le caratteristiche tecniche dei prodotti indicati e di rivedere i prezzi.

2. Prezzo

- 2.1 Il prezzo, le modalità e i termini di pagamento sono quelli indicati nella CdO o in fattura e sono vincolanti per l'Acquirente.
- 2.2 In nessun caso l'Acquirente potrà ritardare, ridurre o sospendere il pagamento. In caso di mancato o parziale pagamento, l'Acquirente sarà considerato in mora senza necessità di formale diffida e saranno applicabili gli interessi legali di mora ai sensi degli articoli 2 lettera e), 4 e 5 del D.Lgs. 9 Ottobre 2002 n. 231.
- 2.3 È sempre salva la facoltà per RM di sospendere l'esecuzione di ordini, qualora l'Acquirente non abbia regolarmente adempiuto ai pagamenti relativi a precedenti ordinativi ovvero abbia dimostrato di non essere in grado di adempiere al proprio pagamento. In tale caso, l'ordine potrà essere eseguito soltanto a fronte di un pagamento anticipato ovvero a seguito di presentazione di idonea garanzia di gradimento di RM.
- 2.4 Nel caso di aumenti del prezzo della merce in corso d'opera superiori al 5% del prezzo indicato in catalogo, tali diversi importi saranno comunicati da RM all'Acquirente. Tali diversi importi sono vincolanti per l'Acquirente, fatto salvo, in questo caso, il suo diritto di rinunciare all'acquisto della merce, senza che l'Acquirente possa avanzare pretese di danni nei confronti di RM.

3. Trasporto

- 3.1 Salvo diversamente previsto nel Contratto di Vendita, i prodotti saranno consegnati al cliente in conformità alla Regola Incoterms 2020, Ex-Works (EXW) o FCA – stabilimento del Venditore.

4. Consegna

- 4.1 I termini di consegna sono da intendersi indicativi e non sono vincolanti per la Società e l'eventuale ritardo non potrà in alcun modo dare diritto all'Acquirente di recedere dal contratto, annullare l'ordine, sospendere, ridurre o ritardare il pagamento del prezzo, o pretendere il pagamento di danni, di qualunque natura, anche in forma di interessi moratori.
- 4.2 In ogni caso, i termini di consegna decorrono esclusivamente dalla data della CdO. Sono inefficaci eventuali termini riportati nell'ordine.
- 4.3 Qualora l'Acquirente necessitasse di specifici termini di consegna, questi dovranno preventivamente essere concordati e per essere efficaci dovranno inoltre essere confermati per iscritto nella CdO. In ogni caso, è fatto salvo il caso della forza maggiore, con ciò intendendosi, a titolo puramente esplicativo ma non esaustivo, casi di scioperi anche dei vettori, guerre, epidemie, catastrofi, atti terroristici, incidenti, chiusura delle frontiere o impedimento per ordine dell'Autorità.
- 4.4 Nel caso in cui la consegna diventi impossibile o particolarmente gravosa, RM si riserva il diritto di annullare l'ordine senza che l'Acquirente possa avanzare richiesta di danni.

5. Riserva di Proprietà

- 5.1 RM si riserva il diritto di proprietà sulla merce sino a quando saranno interamente pagati tutti gli importi relativi al prezzo della merce ed al trasporto, ivi incluse a titolo esemplificativo ma non esaustivo le spese di imballaggio e di dogana, quest'ultime se applicabili.
- 5.2 In caso di risoluzione del contratto per inadempimento dell'Acquirente, gli acconti pagati resteranno acquisiti a RM a titolo d'indennità.

6. Reclami

- 6.1 Eventuali reclami per difetti della merce dovranno essere comunicati entro dieci giorni dal ricevimento della stessa.
- 6.2 Gli eventuali reclami non danno diritto all'Acquirente di sospendere o ritardare il pagamento nei termini indicati.
- 6.3 Nel caso in cui l'Acquirente richieda la compatibilità della merce per un uso particolare, tale richiesta dovrà avvenire con l'ordine e avrà valore solo se confermata specificatamente per iscritto nella CdO.

7. Garanzia sistemi a pressare

- 7.1 Per quanto concerne la garanzia dei sistemi a pressare, fanno fede le condizioni ed i termini esposti sul Manuale Tecnico Sistemi a Pressare di Raccorderie Metalliche S.p.A.

8. Lingua, Controversie, Legge applicabile

- 8.1 Eventuali altre traduzioni delle CGV sono da intendersi di mera cortesia e non superano quella italiana, la quale è la sola che fa fede.
- 8.2 In caso di controversie è competente in via esclusiva il Tribunale del luogo dove ha sede la Società.
- 8.3 Per quanto non previsto dalle presenti CGV, i rapporti di vendita tra RM e gli Acquirenti saranno regolati dalla legge italiana.

General Conditions of Sale

Below you can find our General Conditions of Sale (hereinafter, the "GCS") that shall apply to all sale relationships between Raccorderie Metalliche S.p.A. (hereinafter, "RM" or the "Company") and subjects who place their orders, either directly or through their agents, with the latter (hereinafter, the "Purchasers" or, individually, the "Purchaser").

All GCS (including the recitals) are therefore acknowledged and accepted by the Purchasers, without reservation, on the date of the order placement to RM; in case of existing Purchaser's conditions, the GCS will prevail.

The GCS shall apply to all sale relationships, unless otherwise agreed upon between RM and the Purchasers.

To interpret and execute the orders, the parties shall moreover refer to the provisions provided for by Incoterms 2020.

1. Orders

- 1.1 Our offers shall be considered as binding only in case of regular order confirmation in written form (hereinafter, the "OC") sent by RM to the Purchaser.
- 1.2 The orders sent to RM shall be considered to be binding only in case a written OC is sent to the Purchaser.
- 1.3 RM is entitled to require further information before accepting an order, as well as to decline the latter, at its sole discretion.
- 1.4 The orders shall refer to RM's catalogue being in force from time to time. Anyway, both the products and the prices are indicative. RM reserves the right to modify the technical features of the products and readjust the prices.

2. Price

- 2.1 Price, payment method and conditions being indicated in the OC are binding on the Purchaser.
- 2.2 Under no circumstances, the Purchaser may delay, reduce or cease payments. In case of partial or total non payment, the Purchaser will be considered to be in arrears, with no need to send him formal injunction, and in this case interest of arrears will be applied according to articles 2 letter e), 4 and 5 of the Decree Law N° 231, dated 9th October 2002.
- 2.3 RM reserves the right to stop the execution of orders, in the event the Purchaser has not fulfilled payment relating to preceding orders, i.e. has proven not to be in a position to fulfil its payment. In such a case, the orders will only be executed against a payment in advance and after RM sends its consent to the Purchaser.
- 2.4 In case of price increase regarding goods belonging to orders in progress and exceeding 5 % of the price contained in the catalogue, RM will inform the Purchaser about the relevant different amounts. The latter will be binding on the Purchaser, who has anyway the right to refuse to purchase the goods but not the right to put forward claims against RM.

3. Transport

- 3.1 Unless otherwise provided in the Sales Contract, the products will be delivered to the customer according to the Incoterms 2020, Ex-Works (EXW) or FCA – Supplier's company.

4. Delivery

- 4.1 The delivery time is indicative and not binding on the Company and a possible delay does not entitle the Purchaser to back out of a contract, cancel an order, cease, reduce, delay a payment of the price, nor claim for any damages and/or interest of arrears.
- 4.2 In any case, the delivery time starts on the date of the OC. Possible different terms contained in the orders will be considered null and void.
- 4.3 In case the Purchaser requires a specific delivery time, the latter shall preliminarily be agreed and written in the OC to confirm its validity. In any case, the foregoing is without prejudice to force majeure including, but not limited to strike (even forwarders' strike), war, epidemics, disasters, terrorist attacks, accidents, closed borders, authority vetoes.
- 4.4 In the event it is impossible or very difficult to deliver, RM reserves the right to cancel the order and the Purchaser is not entitled to put forward claims against RM.

5. Retention of Title

- 5.1 RM reserves its property right concerning the goods, until all amounts relating to the price of the goods and the freight including, but not limited to packing & customs charges (if applicable).
- 5.2 In case of contract termination due to the Purchaser's breach, possible down payments shall remain acquired by RM as indemnity.

6. Complaints

- 6.1 Possible complaints regarding defects of the goods shall be notified within ten days from the receiving of the latter by the Purchaser.
- 6.2 Possible complaints do not entitle the Purchaser to stop or delay the payment of the goods, which has to be issued within the scheduled time.
- 6.3 In case the Purchaser requires the goods to be conformed to a special purpose, the relevant request shall be made with the order and it shall be valid only in case it has been specifically confirmed in writing in the OC.

7. Warranty of press systems.

- 7.1 Concerning the warranty of press systems, the terms and conditions indicated in Press Systems Technical Manual of Raccorderie Metalliche S.p.A. shall apply.

8. Language, Disputes, Applicable Law

- 8.1 Any possible translation other than the present GCS one shall be intended as mere favour and shall not prevail over the Italian text, which is the only applicable text.
- 8.2 All possible disputes shall be subject to the exclusive jurisdiction of the court of the place in which the Company has its registered office.
- 8.3 For any aspect not provided for by the present GCS, the sales relationships between RM and the Purchasers shall be ruled by the Italian law.

Allgemeine Geschäftsbedingungen

Nachfolgend werden die Allgemeinen Geschäftsbedingungen aufgeführt, die auf alle Verkaufsbeziehungen zwischen Raccorderie Metalliche S.p.A. ("RM" oder die "Gesellschaft") und Personen, die direkt oder durch einen Vertreter eine Bestellung aufgeben (im Folgenden "Käufer") anwendbar sind. Sämtliche AGB, einschließlich der vorliegenden Vorbemerkungen, verstehen sich vorbehaltlos als von den Käufern verstanden und akzeptiert durch die Bestellerteilung an RM, wobei etwaige verfasste allgemeine Geschäftsbedingungen des Käufers keine Bedeutung haben. Die AGB finden Anwendung in den Verkaufsbeziehungen, weil sie nicht von bestimmten Vertragsvereinbarungen zwischen RM und den Käufern abweichen. In der Beurteilung und Ausführung der Bestellungen wird außerdem auf die von Incoterms Ausgabe 2020 vorgesehenen Klauseln Bezug genommen.

1. Bestellungen

- 1.1 Unsere Bestellungen sind als bindend zu betrachten nur bei Vorliegen einer regulären schriftlichen Auftragsbestätigung ("AB"), die dem Käufer durch RM zugestellt wird.
- 1.2 Die an RM angefragten Bestellungen sind bis zur schriftlichen AB nicht bindend.
- 1.3. RM steht es frei, vor der Bestellannahme weitere Auskünfte einzuholen oder die Bestellung nach eigenem Ermessen abzulehnen.
- 1.4 Die Warenbestellungen verstehen sich in Bezug auf den gültigen Katalog. Die angegebenen Produkte und Preise sind als maßgebend zu verstehen. RM behält sich das Recht vor, Änderungen an den technischen Eigenschaften der Produkte vorzunehmen und die Preise anzupassen.

2. Preis

- 2.1 Preis, Zahlungsbedingungen und Zahlungsfristen sind in der Auftragsbestätigung angegeben und sind bindend für den Käufer.
- 2.2. In keinem Fall darf der Käufer die Zahlung verzögern, mindern oder aufheben. Bei Nichtzahlung oder teilweiser Zahlung befindet sich der Käufer in Verzug, ohne dass es einer formellen Benachrichtigung bedarf, und es werden Verzugszinsen gemäß des italienischen Gesetzesdekrets Nr. 231, Art. 2 Satz 4 und 5 vom 9. Oktober 2002 angerechnet. Weiterhin behält sich RM das Recht vor, die Ausführung von Bestellungen aufzuheben, wenn der Käufer nicht ordnungsgemäß Zahlungen für vorherige Bestellungen vorgenommen hat oder anderweitig bewiesen hat, zahlungsunfähig zu sein. In diesem Fall kann die Bestellung nur bei vorzeitiger Zahlung oder bei Vorliegen entsprechender Vertrauensgarantie durch RM ausgeführt werden.
- 2.4 Im Falle von Preiserhöhung über 5% im Vergleich zum Katalogpreis bei Waren in Bearbeitung, wird RM die entsprechenden Beträge dem Käufer mitteilen. Diese abweichenden Beträge sind für den Käufer bindend, unberührt seines Rechts, in diesem Fall auf den Kauf der Ware zu verzichten, ohne dass der Käufer Schadensersatz gegenüber RM fordern kann.

3. Transport

- 3.1 Sofern im Kaufvertrag nichts anderes vereinbart wurde, werden die Produkte gemäß den Incoterms 2020, Ex-Works (EXW) oder FCA - Werk des Verkäufers an den Kunden geliefert.

4. Lieferung

- 4.1 Die Lieferzeiten sind nicht verbindlich und nicht bindend für die Gesellschaft. Eine eventuelle Verspätung berechtigt den Käufer in keiner Weise vom Vertrag zurück zu treten, die Bestellung zu annullieren, die Zahlung einzustellen, zu mindern oder zu verzögern, oder Schadensersatz jeglicher Art zu fordern, einschließlich der Verzugszinsen.
- 4.2 In jedem Fall richten sich die Lieferzeiten ausschließlich nach dem Datum der AB. Eventuelle in der Bestellung angegebene Fristen sind unwirksam.
- 4.3. Falls der Käufer bestimmte Lieferzeiten benötigt, müssen diese im Voraus vereinbart werden und für ihre Wirksamkeit müssen sie außerdem schriftlich in der AB bestätigt werden. Jedenfalls bleiben die Fälle höherer Gewalt unberührt, darunter, als Erläuterung aber keinesfalls vollständig, Fälle von Streik, einschließlich der Beförderungsunternehmen, Kriege, Epidemien, Katastrophen, Terroranschläge, Grenzschießungen oder Verhinderung durch behördliche Anweisung.
- 4.4. für den Fall, dass die Lieferung unmöglich oder besonders belastend wird, behält sich RM das Recht vor, die Bestellung zu annullieren, ohne dass der Käufer Schadensersatz fordern kann.

5. Eigentumsvorbehalt

- 5.1 RM behält sich das Recht des Eigentums an der Ware bis zur vollständigen Zahlung aller Beträge bezüglich des Warenpreises und des Transports vor, einschließlich - als Erläuterung aber keinesfalls vollständig - Verpackungs- und Zollkosten, falls anwendbar.
- 5.2 Im Falle der Vertragsauflösung wegen Nichterfüllung durch den Käufer werden bereits geleistete Anzahlungen an RM als Entschädigung erworben gelten.

6. Beanstandungen

- 6.1 Eventuelle Beanstandungen wegen fehlerhafter Ware müssen innerhalb einer Frist von zehn Tagen ab Warenerhalt mitgeteilt werden.
- 6.2 Eventuelle Beanstandungen berechtigen nicht den Käufer, die Zahlung innerhalb der genannten Frist einzustellen oder zu verzögern.
- 6.3 Falls der Käufer die Kompatibilität der Ware für eine bestimmte Verwendung verlangt, muss dies Anfrage mit der Bestellung erfolgen und sie wird nur durch schriftliche Bestätigung in der AB wirksam.

7. Gewährleistung Drucksysteme.

- 7.1 Bezüglich der Gewährleistung der Drucksysteme, sind die im Technischen Handbuch Drucksysteme von Metalliche S.p.A. angegebenen Bedingungen und Fristen verbindlich.

8. Sprache, Streitigkeiten, anwendbares Recht

- 8.1 Eventuelle Übersetzungen der AGB sind als reine Dienstleistung zu sehen und stehen nicht über die italienische Version, die ausschließlich gültig ist.
- 8.2 Bei Streitigkeiten ist ausschließlich das Gericht zuständig, in dessen Bezirk die Gesellschaft ihren Sitz hat.
- 8.3 Falls nicht durch die vorliegenden AGB abgedeckt, werden die Kaufbeziehungen zwischen RM und Käufer durch italienisches Recht geregelt.

Conditions Générales de Vente

Ci-Après les Conditions Générales de Vente ("CGV") applicables à tous les rapports de vente entre Raccorderie Metalliche S.p.A. ("RM" ou la "Société") et les sujets qui effectuent, directement ou par l'intermédiaire d'un agent, un ordre de marchandise (les "Acheteurs" ou, individuellement, l'"Acheteur"). Toutes les CGV, y compris ces prémisses, s'entendent par conséquent, connues et acceptées par les Acheteurs, sans aucune réserve, avec l'attribution de l'ordre à RM, si les éventuelles conditions de vente prédisposées par l'Acheteur ne sont pas en contradiction. Les CGV s'appliquent aux rapports de vente dans la mesure où elles ne dérogent pas d'accords contractuels spécifiques entre RM et les Acheteurs. Pour l'interprétation et l'exécution des commandes, il faudra en outre faire référence aux clauses prévues par les conditions internationales de vente Incoterms édition 2020.

1. Commandes

- 1.1 Nos offres doivent être considérées liantes uniquement vis-à-vis d'une confirmation régulière d'une commande écrite ("CdC") envoyée à l'Acheteur par RM.
- 1.2 Les commandes requises à RM ne sont liantes qu'après la rédaction de la CdC.
- 1.3 RM est en droit de demander des précisions supplémentaires avant d'accepter la commande ou de la refuser à son jugement sans appel.
- 1.4 Les commandes de marchandise s'entendent comme passées sur la base du catalogue en vigueur. Les produits et les prix indiqués doivent dans tous les cas être considérés comme indicatifs. RM est en droit de modifier les caractéristiques techniques des produits indiqués et de revoir les prix.

2. Prix

- 2.1 Le prix, les modalités et les délais de paiement sont ceux indiqués dans la CdC ou dans la facture et sont liants pour l'Acheteur.
- 2.2 En aucun cas l'Acheteur ne pourra retarder, réduire ou suspendre le paiement. En cas de non-paiement ou de paiement partiel, l'Acheteur sera considéré en demeure sans obligation d'une mise en demeure formelle et des intérêts légaux pour retard de paiement s'appliqueront, conformément aux articles 2 point e), 4 et 5 du décret législatif du 9 octobre 2002 n° 231.
- 2.3 RM a toujours le droit de suspendre l'exécution de la commande dans le cas où l'acheteur n'a pas effectué les paiements relatifs aux commandes précédentes ou s'il a démontré être incapable d'effectuer le paiement. Dans ce cas, la commande pourra être effectuée uniquement contre un paiement anticipé après la présentation d'une garantie de complaisance de RM.
- 2.4 En cas d'augmentations du prix de la marchandise en cours de production supérieures à 5 % du prix indiqué dans le catalogue, ces montants différents seront communiqués à l'Acheteur par RM. Ces différents montants liants pour l'Acheteur, sous réserve, dans ce cas d'exercer son droit de renoncer à l'achat de la marchandise sans que l'Acheteur puisse prétendre des dommages et intérêts vis à vis de RM.

3. Transport

- 3.1 Sauf disposition contraire dans le contrat de vente, les produits seront livrés au client conformément à la réglementation Incoterms 2020, Ex-Works (EXW) ou FCA – à l'adresse du vendeur.

4. Livraison

- 4.1 Les délais de livraison sont indicatifs et non contraignants pour la Société et tout retard éventuel ne peut en aucune façon permettre à l'acheteur de résilier le contrat, annuler la commande, suspendre, réduire ou retarder le paiement du montant, ou exiger le paiement de dommages de toute nature, de quelque nature que ce soit, même sous la forme d'intérêts moratoires.
- 4.2 Dans tous les cas, les délais de livraison commencent à courir exclusivement à la date de la CdC. Les éventuels délais reportés dans la commande ne sont pas pris en compte.
- 4.3 Dans le cas où l'Acheteur aurait besoin de délais de livraison spécifiques, ceux-ci devront préalablement être fixés et pour qu'ils deviennent effectifs, ils devront être confirmés par écrit dans la CdC. Dans tous les cas, exception est faite en cas de force majeure, c'est à dire à titre purement explicatif, mais sans s'y limiter, les cas de grève, également des transporteurs, les guerres, les épidémies, les catastrophes, les actes de terrorisme, les accidents, la fermeture des frontières ou tout empêchement sur l'ordre des Autorités.
- 4.4 Dans le cas où la livraison devient impossible ou particulièrement excessive, RM se réserve le droit d'annuler la commande sans que l'Acheteur puisse réclamer des dommages et intérêts.

5. Réserve de propriété

- 5.1 RM se réserve le droit de propriété sur la marchandise jusqu'à ce que soient payés tous les montants relatifs au prix de la marchandise et au transport, y compris, à titre d'exemple mais sans s'y limiter, les frais de conditionnement et de douane, si ces derniers sont applicables.
- 5.2 En cas de résiliation du contrat par non-exécution de l'Acheteur, les acomptes payés resteront acquis à RM à titre d'indemnisation.

6. Réclamations

- 6.1 Les éventuelles réclamations pour défauts de la marchandise devront être communiquées dans les dix jours à compter de la réception de celle-ci.
- 6.2 Les éventuelles réclamations n'autorisent pas l'Acheteur à suspendre ou retarder le paiement dans les délais indiqués.
- 6.3 Dans le cas où l'Acheteur requiert la compatibilité de la marchandise pour un usage particulier, cette demande devra parvenir avec la commande et sera effective uniquement si spécifiquement confirmée par écrit dans la CdC.

7. Garantie systèmes à sertir

- 7.1 En ce qui concerne la garantie des systèmes à sertir, font foi les termes et les conditions exposés dans le Manuel Technique des Systèmes à Presser de Raccorderie Metalliche S.p.A.

8. Langue, Litige, Juridiction

- 8.1 Les éventuelles traductions des CGV ne sont fournies que pour des raisons de commodité mais l'Italien est la seule langue faisant foi.
- 8.2 En cas de litige, seul le Tribunal du lieu où la Société à son siège, est compétent.
- 8.3 Pour tout ce qui n'est pas prévu par les présentes CGV, les rapports de vente entre RM et les Acheteurs seront régis par la loi italienne.

Condiciones Generales de Venta

A continuación encontrará las Condiciones Generales de Venta ("CGV") que se aplican a todas las ventas entre Raccorderie Metalliche S.p.A. (en adelante "RM" o la "Sociedad") y los sujetos que efectúan, directa o indirectamente a través de un agente, un pedido de productos (los "Compradores" o, de manera individual, el "Comprador"). Todas las CGV, incluso esta introducción, se entienden por lo tanto conocidas y aceptadas por los Compradores, sin reserva alguna, al otorgar a RM el pedido, y prevalecen ante posibles condiciones generales redactadas por el Comprador. Las CGV se aplican a las relaciones de venta, siempre que no hayan sido derogadas por acuerdos contractuales específicos entre RM y los Compradores. Para interpretar y ejecutar los pedidos se tomarán además como referencia las cláusulas previstas por los Incoterms edición de 2020.

1. Pedidos

- 1.1 Nuestras ofertas se considerarán vinculantes únicamente en el caso de confirmación escrita del pedido ("CdP") enviada por RM al Comprador.
- 1.2 Los pedidos efectuados a RM no son vinculantes si no existe la confirmación del pedido ("CdP") escrita.
- 1.3 RM tiene la facultad para solicitar ulteriores aclaraciones antes de aceptar el pedido o incluso para rechazarlo, en cuyo caso, su decisión es inapelable.
- 1.4 Los pedidos de mercancía se entienden efectuados según el catálogo vigente. Los productos y los precios que allí aparecen deben considerarse indicativos. RM tiene la facultad de modificar las características técnicas de los productos indicados y de rectificar los precios.

2. Precio

- 2.1 El precio, las formas y los plazos de pago son los que se indican en la CdP o en la factura y son vinculantes para el Comprador.
- 2.2 En ningún caso el Comprador podrá retrasar, reducir o suspender el pago. En caso de pago parcial o pago no efectuado, el Comprador será considerado moroso sin necesidad de intimación formal y se le aplicarán los intereses por mora de conformidad con los artículos 2 letra e), 4 y 5 del Decreto Legislativo del 9 de octubre de 2002 n. 231.
- 2.3 RM se reserva siempre la facultad de suspender la ejecución de los pedidos, en caso de que el Comprador no haya cumplido con los pagos de pedidos anteriores o haya demostrado que no puede realizar los mismos. En este caso, se podrá dar curso al pedido solo si se efectúa el pago anticipado o se presenta una garantía adecuada que cuente con el beneplácito de RM.
- 2.4 Si durante el proceso de venta, se produjeran aumentos de precio de la mercancía superiores al 5% del precio indicado en el catálogo, los nuevos importes serán comunicados por RM al Comprador. Dichos importes serán vinculantes para el Comprador, sin perjuicio, en este caso, de su derecho a renunciar a la compra de la mercancía, sin que por este motivo pueda exigir ninguna indemnización por parte de RM.

3. Transporte

- 3.1 A menos que se estipule lo contrario en el Contrato de venta, los productos se entregarán al cliente de acuerdo con los Incoterms 2020, Ex-Works (EXW) o FCA – establecimiento del vendedor.

4. Entrega

- 4.1 Los plazos de entrega son indicativos y no son vinculantes para la Sociedad y en ningún caso el eventual retraso podrá dar derecho al Comprador para rescindir el contrato, anular el pedido, suspender, reducir o retrasar el pago del precio, así como tampoco pretender una indemnización por daños de cualquier tipo, incluso bajo forma de intereses moratorios.
- 4.2 De cualquier forma, los plazos de entrega se cuentan exclusivamente a partir de la fecha de la CdP. No tendrán validez los plazos indicados en el pedido.
- 4.3 En caso de que el Comprador necesitara determinados plazos de entrega, los mismos tendrán que pactarse previamente y para que tengan validez deberán ser confirmados por escrito en la CdP, sin perjuicio de los casos de fuerza mayor, bajo cuyo nombre se entienden, a modo de ejemplo no exhaustivo, huelgas incluso de los transportistas, guerras, epidemias, catástrofes, actos terroristas, accidentes, cierre de fronteras o impedimento por orden de las autoridades.
- 4.4 En caso de que la entrega sea imposible o muy difícil y costosa, RM se reserva el derecho de anular el pedido sin que el Comprador pueda exigir ningún tipo de indemnización por daños y perjuicios.

5. Reserva de Propiedad

- 5.1 RM se reserva el derecho de propiedad de la mercancía hasta cuando no hayan sido pagados totalmente todos los importes correspondientes al precio de la misma y al transporte, incluso a modo de ejemplo no exhaustivo los gastos de embalaje y de aduana, estos últimos siempre que correspondan.
- 5.2 En caso de rescisión del contrato por incumplimiento del Comprador, los pagos a cuenta que haya percibido RM serán retenidos por RM a título de indemnización.

6. Reclamaciones

- 6.1 Las eventuales reclamaciones por defectos de la mercancía tendrán que ser comunicadas dentro de un plazo de diez días a partir de la fecha de recepción de la misma.
- 6.2 Las eventuales reclamaciones no dan derecho al Comprador para que suspenda o retrase el pago dentro de los plazos estipulados.
- 6.3 En el caso de que el Comprador requiera la compatibilidad de la mercancía para un uso especial, dicha solicitud se deberá hacer en el pedido y tendrá valor sólo si se confirma por escrito y explícitamente en la CdP.

7. Garantía de sistemas de prensado.

- 7.1 Por lo que se refiere a la garantía de los sistemas de prensado, tienen validez las condiciones y los términos expuestos en el Manual Técnico de Sistemas de Prensado de Raccorderie Metalliche S.p.A.

8. Lengua, Litigios, Ley aplicable

- 8.1 Las posibles traducciones de las CDV deben entenderse como traducciones de cortesía, que no prevalecen ante el texto en italiano que es el único que da fe.
- 8.2 En caso de litigios es competente en vía exclusiva el Tribunal del lugar en el que tiene su sede la Sociedad.
- 8.3 Todos los aspectos no previstos en estas CGV y relacionados con las relaciones de venta entre RM y los Compradores estarán regulados por la ley italiana.

Indice analitico / Index

(Codice articolo/item code -> pagina/page)

114015200	28, 111, 244	115683308E	302	178018316	57, 118	181022600HT	98	181042451UNW	245	181088900HT	99
114018200	28, 111, 244	1160000000	209	178022316	57, 118	181022601	34	181042600	34	181088900NW	122
114022200	28, 111, 244	1160000003	209	178028316	57, 118	181022900C	35	181042600HT	98	181088901	35
114028200	28, 111, 244	1160000006	211	179015000	57, 236	181022900CG	76	181042601	34	181088901G	76
114035200	28, 111, 244	1160000011	209	179015000NW	251	181022900CHT	99	181042900	35	181088901HT	99
114042200	28, 111, 244	1160000012	209	179015001	63	181022900CST	113	181042900G	76	181088901NW	122
114054200	28, 111, 244	1160000016	211	179018000	57, 236	181022900CU	228	181042900HT	99	18108150C	31
114076200	28, 121	1160000018	210	179018000NW	251	181022900CUNW	246	181042900ST	113	18108151C	31
114088200	28, 121	1160000026	211	179018001	63	181022901C	35	181042900U	228	18108151CHT	95
11408200	28, 121	1160000028	210	179022000	57, 236	181022901CG	76	181042900UNW	246	18108300	32
11501225N	301	1160000036	211	179022001	63	181022901CHT	99	181042901	35	18108300HT	96
11501425N	301	1160000038	210	179028000	57, 236	181022901CST	113	181042901G	76	18108301	32
11501525GH	213, 301	1160000048	210	179028001	63	181022901CU	228	181042901HT	99	18108301HT	96
11501525N	213, 301	1160000058	211	179035001	63	181022901CUNW	246	181042901ST	113	18108450	33
11501525R	214	1160000078	210	179042001	63	181028150	31	181042901U	228	18108450G	75
11501525V	214, 302	116015030	27, 225	179054001	63	181028151	31	181042901UNW	246	18108450HT	97
11501625N	301	116015200	25, 74, 110, 224	179076001	63	181028300	32	181054150	31	18108450NW	121
11501825GH	213, 301	116015203	26	179088001	63	181028300HT	96	181054150HT	95	18108451	33
11501825N	213, 301	116015300	26, 74, 94, 110	179108001	63	181028301	32	181054151	31	18108451G	75
11501825R	214		224	181015150	31	181028450C	33	181054151HT	95	18108451HT	97
11501825V	214, 302	116018030	27, 225	181015151	31	181028450CG	75	181054300	32	18108451NW	121
11502230GH	213, 301	116018200	25, 74, 110, 224	181015300	32	181028450CHT	97	181054300HT	96	18108600	34
11502230N	213, 301	116018203	26	181015301	32	181028450CST	112	181054301	32	18108601	34
11502230R	214	116018300	26, 74, 94, 110	181015450C	33	181028450CU	227	181054301HT	96	18108900	35
11502230V	214, 302		224	181015450CG	75	181028450CUNW	245	181054450	33	18108900G	76
11502830GH	213, 301	116022030	27, 225	181015450CHT	97	181028451C	33	181054450G	75	18108900HT	99
11502830N	213, 301	116022200	25, 74, 110, 224	181015450CST	112	181028451CG	75	181054450HT	97	18108900NW	122
11502830R	214	116022203	26	181015450CU	227	181028451CHT	97	181054450ST	112	18108901	35
11502830V	214, 302	116022300	26, 74, 94, 110	181015450CUNW	245	181028451CST	112	181054450U	227	18108901G	76
11503530GH	213, 301		224	181015451C	33	181028451CU	227	181054450UNW	245	18108901HT	99
11503530N	213, 301	116028030	27, 225	181015451CG	75	181028451CUNW	245	181054451	33	18108901NW	122
11503530R	214	116028200	25, 74, 110, 224	181015451CHT	97	181028600	34	181054451G	75	18139450	33
11503530V	214, 302	116028203	26	181015451CST	112	181028600HT	98	181054451HT	97	18139451	33
11504240N	213	116028300	26, 74, 94, 110	181015451CU	227	181028601	34	181054451ST	112	18139900	35
11504240R	214		224	181015451CUNW	245	181028601HT	98	181054451U	227	18139901	35
11504240V	214	116035030	27, 225	181015600	34	181028900C	35	181054451UNW	245	18168450	33
11504242GH	301	116035200	25, 74, 110, 224	181015601	34	181028900CG	76	181054600	34	18168451	33
11504242GHM	213	116035203	26	181015900C	35	181028900CHT	99	181054600HT	98	18168900	35
11504250N	301	116035300	26, 74, 94, 110	181015900CG	76	181028900CST	113	181054601	34	18168901	35
11504250V	302		224	181015900CHT	99	181028900CU	228	181054800	35	182015000	39
11505430N	301	116042030	27, 225	181015900CST	113	181028900CUNW	246	181054800G	76	182015000G	78
11505440GH	213, 301	116042200	25, 74, 110, 224	181015900CU	228	181028901C	35	181054800HT	99	182015000HT	100
11505440N	213	116042203	26	181015900CUNW	246	181028901CG	76	181054800ST	113	182015000ST	114
11505440R	214	116042300	26, 74, 94, 110	181015901C	35	181028901CHT	99	181054800U	228	182015000U	231
11505440V	214, 302		224	181015901CG	76	181028901CST	113	181054800UNW	246	182015000UNW	248
11507670GM	213	116054030	27, 225	181015901CHT	99	181028901CU	228	181054901	35	182018000	39
11507770NM	213	116054200	25, 74, 110, 224	181015901CST	113	181028901CUNW	246	181054901G	76	182018000G	78
11507770R	214	116054203	26	181015901CU	228	181035150	31	181054901HT	99	182018000HT	100
11507770VM	214	116054300	26, 74, 94, 110	181015901CUNW	246	181035151	31	181054901ST	113	182018000ST	114
11508870GM	213		224	181018150	31	181035300	32	181054901U	228	182018000U	231
11509070NM	213	116076007	211	181018150HT	95	181035300HT	96	181054901UNW	246	182018000UNW	248
11509070R	214	116076200	25, 74	181018300	32	181035301	32	181076150C	31	1820222000	39
11509070VM	214	116076203	26	181018300HT	96	181035450	33	181076150CHT	95	1820222000G	78
11510809GM	213	116076300	26, 74, 94	181018450C	33	181035450G	75	181076151C	31	1820222000HT	100
11510909NM	213	116088007	211	181018450CG	75	181035450HT	97	181076300	32	1820222000ST	114
11510909VM	214	116088200	25, 74	181018450CHT	97	181035450ST	112	181076300HT	96	1820222000U	231
11510990R	214	116088203	26	181018450CST	112	181035450U	227	181076301	32	1820222000UNW	248
115139100N	213	116088300	26, 74, 94	181018450CU	227	181035450UNW	245	181076301HT	96	182028000	39
115139100V	214	116108007	211	181018450CUNW	245	181035451	33	181076450	33	182028000G	78
115168100N	213	116108200	25, 74	181018451C	33	181035451G	75	181076450G	75	182028000HT	100
115168100V	214	116108203	26	181018451CG	75	181035451HT	97	181076450HT	97	182028000ST	114
115183051E	215, 302	116108300	26, 74, 94	181018451CHT	97	181035451ST	112	181076450NW	121	182028000U	231
115183051F	216, 303	116139200	25	181018451CST	112	181035451U	227	181076451	33	182028000UNW	248
115183054E	215, 302	116139260	25	181018451CU	227	181035451UNW	245	181076451G	75	182035000	39
115183054F	216, 303	116168200	25	181018451CUNW	245	181035600	34	181076451HT	97	182035000G	78
115183112E	215, 302	116168260	25	181018600	34	181035600HT	98	181076451NW	121	182035000HT	100
115183112F	216, 303	156015304	29, 226	181018601	34	181035601	34	181076600	34	182035000ST	114
115183112H	215	156054304	29, 226	181018900C	35	181035900	35	181076601	34	182035000U	231
115183134E	215, 302	156100304	29, 226	181018900CG	76	181035900G	76	181076900	35	182035000UNW	248
115183134F	216, 303	156100304G	29, 177, 226	181018900CHT	99	181035900HT	99	181076900G	76	182042000	39
115183154E	215	156102304	29, 226	181018900CST	113	181035900ST	113	181076900HT	99	182042000G	78
115183154F	216	156102304G	29, 177, 226	181018900CU	228	181035900U	228	181076900NW	122	182042000HT	100
115183200E	215, 302	156108304	29	181018900CUNW	246	181035900UNW	246	181076901	35	182042000ST	114
115183200F	216, 303	156108316G	29, 177	181018901C	35	181035901	35	181076901G	76	182042000U	231
115183200H	215	156112304G	29, 177, 226	181018901CG	76	181035901G	76	181076901HT	99	182042000UNW	248
115183212H	215		340	181018901CHT	99	181035901HT	99	181076901NW	122	182054000	39
115183242E	215, 302	156114304	29, 226	181018901CST	113	181035901ST	113	181088150C	31	182054000G	78
115183242F	216, 303	156114304G	29, 177, 226	181018901CU	228	181035901U	228	181088150CHT	95	182054000HT	100
115183254E	215, 302		340	181018901CUNW	246	181035901UNW	246	181088151C	31	182054000ST	114
115183254F	216, 303	156150304G	29, 177, 226	181022150	31	181042150	31	181088151CHT	95	182054000U	231
115183540E	215, 302	156212304	29	181022151	31	181042150HT	95	181088300	32	182054000UNW	248
115183540F	216, 303	156212304G	29, 177, 340	181022200	32	181042151	31	181088300HT	96	182076000	39
115683100E	215, 302	156300304	29	181022300HT	96	181042151HT	95	181088301	32	182076000G	78
115683100F	216, 303	156300304G	29, 177, 340	181022301	32	181042300	32	181088301HT	96	182076000HT	100
115683100H	215	156304304	29, 226	181022450C	33	181042300HT	96	181088450	33	182076000NW</	

183015000HT	102	183028003G	82	183088003G	82	184028342G	87	186304022CU	230	187304015	49
183015000ST	115	183028003HT	102	183088003NW	124	184028343G	54	186304022UNW		187304015G	84
183015000U	234	183028003ST	116	183088000	43	184028343G	87		247	187304015U	237
183015000UNW	250	183028003U	235	183088000G	81	184035000	53	187015000R	48	187304015UNW	252
183015001	43	183028003UNW	251	183088000NW	124	184035001	53	187018000R	48	187304018	49
183015001G	81	183028012	44	183088001	43	184035001U	239	187022000R	48	187304018G	84
183015001U	234	183028012G	82	183088001G	81	184035001UNW	254	187028000R	48	187304018U	237
183015001UNW	250	183028012U	235	183088001NW	124	184035002	54	187035000R	48	187304018UNW	252
183015002	44	183028012UNW	251	183088003	45	184035002G	87	187042000R	48	187304022	49
183015002G	82	183028022	44	183088003G	82	184035002I	55	187042000RHT	103	187304022G	84
183015002U	235	183028100GD	90	183088003NW	124	184035002IG	88	187054000R	48	187304022HT	103
183015002UNW	251	183028708GDA	90	183139000	43	184035002IU	241	187054000RHT	103	187304022ST	116
183015003	45	183035000	43	183139003	45	184035002U	240	18706000R	48	187304022U	237
183015003G	82	183035000G	81	183168000	43	184035002UNW	255	187088000R	48	187304022UNW	252
183015003HT	102	183035000HT	102	183168003	45	184035003	54	187100022	49	187304028	49
183015003ST	116	183035000ST	115	184015000	53	184035003G	87	187100022G	84	187304028G	84
183015003U	235	183035000U	234	184015001	53	184035003I	55	187100022HT	103	187304028HT	103
183015003UNW	251	183035000UNW	250	184015001U	239	184035003IG	88	187100022ST	116	187304028ST	116
183015012	44	183035001	43	184015001UNW	254	184035003IU	241	187100022U	237	187304028U	237
183015012G	82	183035001G	81	184015002	54	184035003U	240	187100022UNW	252	187304028UNW	252
183015012U	235	183035001U	234	184015002G	87	184035003UNW	255	187100028	49	187304022NPT	50
183015020GD	90	183035001UNW	250	184015002I	55	184042000	53	187100028G	84	187308015	49
183015102GD	90	183035002	44	184015002IG	88	184042001	53	187100028HT	103	187308015G	84
183015304GP	90	183035002G	82	184015002IU	241	184042001U	239	187100028ST	116	187308015HT	103
183015708GP	90	183035002U	235	184015002U	240	184042001UNW	254	187100028U	237	18730815NPT	50
183018000	43	183035002UNW	251	184015002UNW	255	184042002	54	187100028UNW	252	187400108	49
183018000G	81	183035003	45	184015003	54	184042002G	87	187100035	49	187400108G	84
183018000HT	102	183035003G	82	184015003G	87	184042002I	55	187100035G	84	187400108NW	125
183018000ST	115	183035003HT	102	184015003I	55	184042002IU	241	187100035U	237	188028022	42
183018000U	234	183035003ST	116	184015003IG	88	184042002U	240	187100035UNW	252	188028022G	78
183018000UNW	250	183035003U	235	184015003IU	241	184042002UNW	255	18710028NPT	50	188035022	42
183018001	43	183035003UNW	251	184015003U	240	184042003	54	187102015	49	188035022G	78
183018001G	81	183035012	44	184015003UNW	255	184042003G	87	187102015G	84	188035028	42
183018001U	234	183035012G	82	184015012	55	184042003I	55	187102015HT	103	188035028G	78
183018001UNW	250	183035114GD	90	184015013I	55	184042003IU	241	187102015ST	116	188042028	42
183018002	44	183042000	43	184018000	53	184042003U	240	187102015U	237	188042028G	78
183018002G	82	183042000G	81	184018001	53	184042003UNW	255	187102015UNW	252	188054028	42
183018002U	235	183042000HT	102	184018001HT	104	184054000	53	187102018	49	188054028G	78
183018002UNW	251	183042000ST	115	184018001U	239	184054001	53	187102018G	84	188054028HT	101
183018003	45	183042000U	234	184018001UNW	254	184054001U	239	187102018HT	103	189100028	40
183018003G	82	183042000UNW	250	184018002	54	184054001UNW	254	187102018ST	116	189100028U	231
183018003HT	102	183042001	43	184018002G	87	184054002	54	187102018U	237	189100028UNW	248
183018003ST	116	183042001G	81	184018002I	55	184054002G	87	187102018UNW	252	189100035	40
183018003U	235	183042001U	234	184018002IG	88	184054002I	55	187102022	49	189100035HT	100
183018003UNW	251	183042001UNW	250	184018002IU	241	184054002IU	241	187102022G	84	189100035ST	114
183018012	44	183042002	44	184018002U	240	184054002U	240	187102022HT	103	189100042	40
183018012G	82	183042002G	82	184018002UNW	255	184054002UNW	255	187102022ST	116	189100042HT	100
183018012U	235	183042003	45	184018003	54	184054003	54	187102022U	237	189100042ST	114
183018012UNW	251	183042003G	82	184018003G	87	184054003G	87	187102022UNW	252	189100076	40
183018102GD	90	183042003HT	102	184018003I	55	184054003I	55	187102028	49	189100139	40
183018304GD	90	183042003ST	116	184018003IG	88	184054003IU	241	18710215NPT	50	189100168	40
183018304GP	90	183042003U	235	184018003IU	241	184054003U	240	18710218NPT	50	189102015	40
183018708GC	91	183042003UNW	251	184018003U	240	184054003UNW	255	187108000R	48	189102015G	79
183018708GCP	91	183042012	44	184018003UNW	255	18500000G	89	187108000RHT	103	189102015HT	100
183018708GD	90	183042012G	82	184018012	55	1851001225	83	18712035	49	189102015M	39
183018708GP	90	183042012U	235	184018013	55	185100128G	83	18712035G	84	189102015ST	114
183022000	43	183042022	44	184022000	53	185102015	45	18712035U	237	189102015U	231
183022000G	81	183042022G	82	184022001	53	185102015G	83	18712035UNW	252	189102015UNW	248
183022000HT	102	183042112GD	90	184022001U	239	185102015M	46	18712042	49	189102018	40
183022000ST	115	183054000	43	184022001UNW	254	185102015U	236	18712042G	84	189102018G	79
183022000U	234	183054000G	81	184022002	54	185102018	45	18712042HT	103	189102018HT	100
183022000UNW	250	183054000HT	102	184022002G	87	185102018G	83	18712042ST	116	189102018ST	114
183022001	43	183054000ST	115	184022002I	55	185102018M	46	18712042U	237	189102018U	231
183022001G	81	183054000U	234	184022002IG	88	185102018U	236	18712042UNW	252	189102018UNW	248
183022001U	234	183054000UNW	250	184022002IU	241	185102022U	236	18712054	49	189102022	40
183022001UNW	250	183054001	43	184022002U	240	185102115	46	18712054G	84	189102022G	79
183022002	44	183054001G	81	184022002UNW	255	18510215M	47	18712054HT	103	189102022HT	100
183022002G	82	183054001U	234	184022003	54	185102118	46	18712054U	237	189102022MF	39
183022002U	235	183054001UNW	250	184022003G	87	185102118M	47	18712054UNW	252	189102022ST	114
183022002UNW	251	183054002	44	184022003I	55	185102315	47	1871242NPT	50	189102022U	231
183022003	45	183054002G	82	184022003IG	88	185102315U	236	18714028	49	189102022UNW	248
183022003G	82	183054003	45	184022003IU	241	185102318	47	18714028G	84	189102028	40
183022003HT	102	183054003G	82	184022003U	240	185102318U	236	18714028U	237	189102028G	79
183022003ST	116	183054003HT	102	184022003UNW	255	185102322	47	18714028UNW	252	189102028HT	100
183022003U	235	183054003ST	116	184022012	55	185102322U	236	18714035	49	189102028ST	114
183022003UNW	251	183054003U	235	184022013I	55	185304022	45	18714035G	84	189102028U	231
183022012	44	183054003UNW	251	184022021	55	185304022G	83	18714035HT	103	189102028UNW	248
183022012G	82	183054012	44	184022122	54	185304022M	46	18714035ST	116	189102035	40
183022012U	235	183054012G	82	184022122G	87	185304022U	236	18714035U	237	189102035G	79
183022012UNW	251	183054012U	235	184022123	54	185304122	46	18714035UNW	252	189102035HT	100
183022304GD	90	183054022	44	184022123G	87	185304122M	47	18714042	49	189102035U	231
183022304GP	90	183054022G	82	184028000	53	185304218	46	18714042G	84	189102035UNW	248
183022708GC	91	183054200GD	90	184028001	53	186042134R	38	18714042HT	103	189102042	40
183022708GCP	91	183076000	43	184028001U	239	186054238R	38	18714042U	237	189102042G	79
183022708GDA	90	183076000G	81	184028001UNW	254	186100028C	38	18714042UNW	252	189102042HT	100
183022708GP	90	183076000HT	102	184028002	54	186100028CU	230	1871435NPT	50	189102042U	231
183028000	43	183076000NW	124	184028002G	87	186100028UNW	247	187139000R	48	189102042UNW	248
183028000G	81	183076001	43	184028002I	55	186100035	38	187168000R	48	189102054	40
183028000HT	102	183076001G	81	184028002IG	88	186102015C	38	187200054	49	189102054G	

189200088NW	123	1901435NPT	51	191042035U	242	192035018HT	101	192108035	41	193088000	59
189200108	40	190200054	50	191042035UNW	256	192035018U	232	192108035U	233	193088000G	85
189200108G	79	190200054G	85	191054015	56	192035018UNW	249	192108042	41	193088000HT	106
189200108NW	123	190200054HT	104	191054015G	89	192035022	41	192108042U	233	193088000NW	126
189200139	40	190200054ST	117	191054018	56	192035022G	80	192108054	41	193088001	60
189200168	40	190200054U	238	191054018G	89	192035022HT	101	192108054U	233	193088001NW	126
189304018	40	190200054UNW	253	191054018HT	105	192035022ST	115	192108054UNW	233, 249	193088002	59
189304018G	79	190200054NPT	51	191054022	56	192035022U	232	192108076	41	193088003	61
189304018U	231	190304015	50	191054022G	89	192035022UNW	249	192108076G	80	193088004	61
189304022	40	190304015G	85	191054028	56	192035028	41	192108076HT	101	193088006	60
189304022G	79	190304015U	238	191054028EST	118	192035028G	80	192108076NW	123	193108000	59
189304022HT	100	190304015UNW	253	191054028G	89	192035028HT	101	192108088	41	193108000G	85
189304022ST	114	190304018	50	191054028U	242	192035028ST	115	192108088G	80	193108000HT	106
189304022U	231	190304018G	85	191054028UNW	256	192035028U	232	192108088NW	123	193108000NW	126
189304022UNW	248	190304018U	238	191054035	56	192035028UNW	249	192139035	42	193108001	60
189304028	40	190304018UNW	253	191054035EST	118	192042018	41	192139076	42	193108001NW	126
189304028G	79	190304022	50	191054035G	89	192042018HT	101	192139088	42	193108002	59
189304028HT	100	190304022G	85	191054035HT	105	192042018U	232	192139108	42	193108003	61
189304028MF	39	190304022HT	104	191054035U	242	192042018UNW	249	192168035	42	193108004	61
189304028ST	114	190304022ST	117	191054035UNW	256	192042022	41	192168076	42	193108006	60
189304028U	231	190304022U	238	191054042	56	192042022G	80	192168088	42	193139000	59
189304028UNW	248	190304022UNW	253	191054042G	89	192042022HT	101	192168108	42	193139001	60
189304035	40	190304028	50	191054042HT	105	192042022U	232	192168139	42	193168000	59
189304035G	79	190304028G	85	191054042ST	117	192042022UNW	249	192181515U	233	193168001	60
189304042	40	190304028HT	104	191054042U	242	192042028	41	192181515UNW	250	194015900	57
189304042G	79	190304028ST	117	191054042UNW	256	192042028G	80	193015000	59	194018150	58
189304054	40	190304028U	238	191076042	56	192042028HT	101	193015000G	85	194018300	58
189304054G	79	190304028UNW	253	191076042HT	105	192042028ST	115	193015000HT	106	194018900	57
189304054HT	100	19030422NPT	51	191076042U	242	192042028U	232	193015000ST	118	194022300	58
189304076	40	19108015	56	191076042UNW	125, 256	192042028UNW	249	193015002	59	194022900	57
189304076G	79	19108015G	89	191076054	56	192042035	41	193015006	60	194028150	58
189304076HT	100	19108015HT	105	191076054G	89	192042035G	80	193018000	59	194028300	58
189304076NW	123	19108015ST	117	191076054HT	105	192042035HT	101	193018000G	85	194028600	58
189304088	40	19108015U	242	191076054U	242	192042035ST	115	193018000HT	106	194028900	57
189304088G	79	19108015UNW	256	191076054UNW	125, 256	192042035U	232	193018000ST	118	194035150	58
189304088NW	123	191022015	56	191088054	56	192042035UNW	249	193018002	59	194035300	58
189304108	40	191022015G	89	191088054G	89	192054018	41	193018006	60	194035600	58
189304108G	79	191022015U	242	191088054HT	105	192054018HT	101	193022000	59	194035900	57
189304108NW	123	191022015UNW	256	191088054U	242	192054022	41	193022000G	85	194042150	58
190100022	50	191022018	56	191088054UNW	125, 256	192054022G	80	193022000HT	106	194042300	58
190100022G	85	191022018G	89	191088076	56	192054022U	232	193022000ST	118	194042600	58
190100022U	238	191022018HT	105	191088076G	89	192054022UNW	249	193022000U	242	194042900	57
190100022UNW	253	191022018ST	117	191088076HT	105	192054028	41	193022000UNW	256	194054150	58
190100028	50	191022018U	242	191088076NW	125	192054028G	80	193022002	59	194054300	58
190100028G	85	191022018UNW	256	191108054	56	192054028HT	101	193022003	61	194054600	58
190100028HT	104	191028015	56	191108054G	89	192054028U	232	193022004	61	194054900	57
190100028ST	117	191028015G	89	191108054HT	105	192054028UNW	249	193022006	60	194076150	58
190100028U	238	191028015HT	105	191108054U	242	192054035	41	193028000	59	194076300	58
190100028UNW	253	191028015U	242	191108054UNW	125, 256	192054035G	80	193028000G	85	194088150	58
190100035	50	191028015UNW	256	191108076	56	192054035HT	101	193028000HT	106	194088300	58
190100035G	85	191028018	56	191108076G	89	192054035ST	115	193028000ST	118	194088500	58
190100035U	238	191028018G	89	191108076HT	105	192054035U	232	193028000U	242	194088800	58
190100035UNW	253	191028018HT	105	191108076NW	125	192054035UNW	249	193028000UNW	256	195000015	71
190100028NPT	51	191028018U	242	191108088	56	192054042	41	193028002	59	195000020	71
190102015	50	191028018UNW	256	191108088G	89	192054042G	80	193028003	61	195000030	71
190102015G	85	191028022	56	191108088NW	125	192054042HT	101	193028004	61	195000040	71
190102015HT	104	191028022G	89	191139076	56	192054042ST	115	193028006	60	195000050	71
190102015ST	117	191028022HT	105	191139088	56	192054042U	232	193035000	59	195015000	63
190102015U	238	191028022ST	117	191139108	56	192054042UNW	249	193035000G	85	195015003	65
190102015UNW	253	191028022U	242	191168076	56	192076022	41	193035000HT	106	195015004	67
190102018	50	191028022UNW	256	191168088	56	192076022HT	101	193035000ST	118	195015005	64
190102018G	85	191035015	56	191168108	56	192076022U	233	193035000U	242	195015008	68
190102018HT	104	191035015G	89	191168139	56	192076028	41	193035000UNW	256	195015017	71
190102018ST	117	191035015U	242	192018015	41	192076028HT	101	193035002	59	195015027	71
190102018U	238	191035015UNW	256	192018015G	80	192076028U	233	193035002UNW	257	195015028	65
190102018UNW	253	191035018	56	192018015HT	101	192076028UNW	123, 249	193035003	61	195018004	64
190102022	50	191035018G	89	192018015ST	115	192076035	41	193035004	61	195018005	64
190102022G	85	191035018HT	105	192018015U	232	192076035U	233	193035006	60	195022003	65
190102022U	238	191035018U	242	192018015UNW	249	192076035UNW	123, 249	193042000	59	195022004	67
190102022UNW	253	191035018UNW	256	192022015	41	192076042	41	193042000G	85	195022005	64
190102028	50	191035022	56	192022015G	80	192076042HT	101	193042000HT	106	195022008	68
190102028HT	104	191035022G	89	192022015HT	101	192076042U	233	193042000ST	118	195028003	65
19010215NPT	51	191035022HT	105	192022015U	232	192076042UNW	123, 249	193042000U	242	195028004	67
19010218NPT	51	191035022U	242	192022015UNW	249	192076054	41	193042000UNW	256	195028005	64
190112035	50	191035022UNW	256	192022018	41	192076054G	80	193042002	59	195035003	65
190112035G	85	191035028	56	192022018G	80	192076054HT	101	193042002UNW	257	195035004	67
190112042	50	191035028G	89	192022018HT	101	192076054U	233	193042003	61	195035007	72
190112042G	85	191035028HT	105	192022018ST	115	192076054UNW	123, 249	193042004	61	195042003	65
190112042HT	104	191035028ST	117	192022018U	232	192088022	41	193042006	60	195042004	67
190112042ST	117	191035028U	242	192022018UNW	249	192088022U	233	193054000	59	195042007	72
190112042U	238	191035028UNW	256	192028015	41	192088028	41	193054000G	85	195054003	65
190112042UNW	253	191042015	56	192028015G	80	192088028G	80	193054000HT	106	195054004	67
190112054	50	191042015G	89	192028015U	232	192088028U	233	193054000ST	118	195054007	72
190112054G	85	191042018	56	192028015UNW	249	192088028UNW	123, 249	193054000U	242	195076003	65
190112054U	238	191042018G	89	192028018	41	192088035	41	193054000UNW	256	195076004	67
190112054UNW	253	191042018HT	105	192028018G	80	192088035U	233	193054001	60	195076007	72
19011242NPT	51	191042022	56	192028018HT	101	192088042	41	193054002	59	195088003	65
190114028	50	191042022G	89	192028018U	232	192088042U	233	193054002UNW	257	195088004	67
190114028G	85	191042022U	242	192028018UNW	249	192088054	41	193054003	61	195088007	72

196000108N	206	197102018UNW	247	269304122	52,238	381076900	133	387304015	141	392088042	136
196001009V	197	197102022	37	269304122NW	253	381076901	133	387304018	141	392088054	136
196001012	198	197102022U	229	269304128	52,238	381088450	132	387304022	141	392088076	136
196001013	198	197112042	37	274000000	212	381088451	132	387304028	141	392108028	136
196001014	198	197112042G	77	274000001	212	381088900	133	387308012	141	392108035	136
196001015	199	197114035	37	274000003	300	381088901	133	387308015	141	392108042	136
196001016	199	197114035G	77	274000010	212	381088451	132	387400108	141	392108054	136
196001017	198	197200054	37	274000020	212	381088451	132	389100028	137	392108076	136
196001018	196	197200054G	77	274000030	212	381088900	133	389100035	137	392108088	136
196001019	196	197304022	37	274000040	212	381088901	133	389100054	137	393015000	146
196001020	197	197304022G	77	316012003	129	382012000	135	389102015	137	393015002	145
196001021	197	197304022U	229	316012005	128	382015000	135	389102018	137	393018000	146
196002000	202	197304028	37	316015003	129	382018000	135	389102022	137	393018002	145
196002001	202	197304028G	77	316015005	128	382022000	135	389102028	137	393022000	146
196002011	202	197304028U	229	316018003	129	382028000	135	389102035	137	393022002	145
19600204N	208	198100028	37	316018005	128	382035000	135	389102042	137	393028000	146
19600205N	208	198100028G	77	316022002	130	382042000	135	389102054	137	393028002	145
196003001	202	198100028U	229	316022003	129	382054000	135	389102076	137	393035000	146
19600300N	208	198100028UNW	247	316022005	128	382076000	135	389102088	137	393035002	145
196004001	202	198102015	37	316028002	130	382088000	135	389102108	137	393042000	146
196012000	199	198102015G	77	316028003	129	382108000	135	389304022	137	393042002	145
196012002	199	198102015U	229	316028005	128	383012000	138	389304028	137	393054000	146
19601200N	204	198102015UNW	247	316035002	130	383012001	138	389304035	137	393054002	145
19601200NU	299	198102018	37	316035003	129	383012003	139	389304042	137	393076000	146
196015000	199	198102018G	77	316035005	128	383015000	138	389304054	137	393076002	145
196015002	199	198102018U	229	316042002	130	383015001	138	389304076	137	393088000	146
19601500N	204	198102018UNW	247	316042003	129	383015002	139	389304088	137	393088002	145
19601500NU	299	198102022	37	316042005	128	383015003	139	389304108	137	393100128	144
19601502N	204	198102022U	229	316054002	130	383018000	138	390100022	142	393102015	144
19601502NU	299	198102022UNW	247	316054003	129	383018001	138	390100028	142	393102018	144
196015035K	200	198102028	37	316054005	128	383018002	139	390100035	142	393102022	144
196015035KV	200	198102028G	77	316076000	130	383018003	139	390102012	142	393102015	144
196015035N	204	198112042	37	316076003	129	383022000	138	390102015	142	393102018	144
196015035NU	299	198112042G	77	316076005	128	383022001	138	390102018	142	393102022	144
196015035NV	204,299	198114035	37	316088000	130	383022002	139	390102022	142	393108000	146
196018000	199	198114035G	77	316088003	129	383022003	139	390102028	142	393108002	145
196018002	199	198200054	37	316088005	128	383022012	139	390112042	142	393304018	144
19601800N	204	198200054G	77	316108000	130	383022022	139	390114035	142	393304022	144
19601800NU	299	198304015	37	316108003	129	383028000	138	390200054	142	393304018	144
19601802N	204	198304022	37	316108005	128	383028001	138	390304015	142	393304022	144
19601802NU	299	198304022G	77	322060042	147	383028002	139	390304018	142	394015900	144
196022000	199	198304022U	229	322060054	147	383028003	139	390304022	142	394018900	144
196022002	199	198304022UNW	247	322076054	147	383028012	139	390304028	142	394022900	144
19602200N	204	199015000	68,149	351054000	131	383028022	139	390308015	142	394028150	145
19602200NU	299	199015000HT	107	351100000	131	383035000	138	390105012	143	394028300	145
19602202N	204	199015001	70	351102000	131	383035001	138	390108012	143	394028900	144
19602202NU	299	199015002	70	351108000	131	383035002	139	390108015	143	394035150	145
196028000	199	199018000	68,149	351114000	131	383035003	139	3901022012	143	394035300	145
196028002	199	199018000HT	107	351500001	131	383035012	139	3901022015	143	394035900	144
19602800N	204	199018001	70	351212000	131	383042000	138	3901022018	143	394042150	145
19602800NU	299	199018002	70	351300000	131	383042001	138	3901028015	143	394042300	145
19602802N	204	199022000	68,149	351304000	131	383042002	139	3901028018	143	394042900	144
19602802NU	299	199022000HT	107	351308000	131	383042003	139	3901028022	143	394054150	145
196035000	199	199022001	70	375100028	148	383042012	139	3901035022	143	394054300	145
196035002	199	199022002	70	375102018	148	383042022	139	3901035028	143	394054900	144
19603500N	204	199028000	68,149	375112042	148	383054000	138	3901042022	143	395012012	152
19603500NU	299	199028000HT	107	375114035	148	383054001	138	3901042028	143	395015012	152
19603502N	204	199028001	70	375200054	148	383054002	139	3901042035	143	395015015	152
19603502NU	299	199028002	70	375212076	148	383054003	139	3901054022	143	395018012	152
196042004	200	199035000	68,149	375300088	148	383054012	139	3901054028	143	395018015	152
19604200N	205	199035000HT	107	375304022	148	383054022	139	3901054035	143	395022012	152
19604200NU	300	199035001	70	375308012	148	383076000	138	3901054042	143	395022015	152
196042054	200	199035002	70	375308015	148	383076001	138	3901076042	143	395028012	152
196042054K	201	199042000	68,149	375400108	148	383076003	139	3901076054	143	395028015	152
196042054KF	201	199042000HT	107	379012000	143	383088000	138	3901088054	143	396012012	152
196042054N	205,300	199042001	70	379015000	143	383088001	138	3901088076	143	396015012	152
196042054V	205,300	199042002	70	379018000	143	383088003	139	390108076	143	396015015	152
196042054VN	205	199054000	68,149	379022000	143	383088000	138	390108088	143	396018012	152
196042054VNU	300	199054000HT	107	379028000	143	383108001	138	392012015	137	396018015	152
196054004	200	199054001	70	381012900	133	383108003	139	392015012	136	396022012	152
19605400N	205	199054002	70	381012901	133	384015000	140	392015018	137	396022015	152
19605400NU	300	199076000	68,149	381015450	132	384015001	140	392015022	137	396028012	152
196076000	201	199088000	68,149	381015451	132	384018000	140	392018012	136	396028015	152
196076001	200	199108000	68,149	381015900	133	384018001	140	392018015	136	396035015	152
196076002	207	269100028	52,239	381015901	133	384022000	140	392018022	137	396102015V	148
196076003	206	269100028NW	254	381018450	132	384022001	140	392022012	136	396102018V	148
196076108	201	269100128	52,238	381018451	132	384028000	140	392022015	136	397100028C	134
196076108N	206	269100128NW	253	381018900	133	384028001	140	392022018	136	397102015C	134
196076108NV	207	269102015	52,239	381018901	133	384035000	140	392022028	137	397102018C	134
196088000	201	269102015NW	254	381022450	132	384035001	140	392028015	136	397112042	134
196088001	200	269102018	52,239	381022451	132	384042000	140	392028018	136	397114035	134
196088002	207	269102018NW	254	381022900	133	384042001	140	392028022	136	397200054	134
196088003	206	269102022	52,239	381022901	133	384054000	140	392035015	136	397304022C	134
196108000	201	269102022NW	254	381028450	132	384054001	140	392035018	136	397308012	134
196108001	200	269102015	52,238	381028451	132	385102015	134	392035022	136	397308015C	134
196108002	207	269102115NW	253	381028900	133	385102018	134	392035028	136	398102028	134
196108003	206	269102118	52,238	381028901	133	385304022	134	392042022	136	398304022	134
196139002	207	26910218NW	253	381035450	132	385308015	134	392042028	136	398304028	134
196139168NV	207	269102122	52,238	381035451	132	387100022	141	392042035	136	399015015	151
1961350											

434025000G	86	679088001CN	192	681028900	156	681088301CN	179	683018000CN	185	683088000CN	185
434025006	62, 146, 190	679108001CN	192	681028900CN	182	681088450CN	180	683018000G	172	683088001CN	185
434032000	62, 147, 190	681012450	155	681028900G	168	681088451CN	180	683018000GJ	288	683018000CN	185
434032000G	86	681012450U	260	681028900GJ	283	681088600CN	181	683018000U	267	683018001CN	185
434032006	62, 146, 190	681012451	155	681028900U	261	681088601CN	181	683018001	160	684012001U	275
434040000	62, 147, 190, 331	681012451U	260	681028901	156	681088900CN	182	683018001CN	185	684012002U	275
434040000G	86	681012900	156	681028901G	182	681088901CN	182	683018001G	172	684012003	164
434040006	62, 146, 190,	681012900U	261	681028901G	168	681088150CNC	178	683018001GU	288	684012012U	275
	330	681012901	156	681028901GU	283	68108151CNC	178	683018001U	267	684012013	164
434050000	62, 147, 190, 331	681012901U	261	681028901U	261	681083300CN	179	683018002U	268	684015001CN	187
434050006	86	681014450U	260	681035150CN	178	68108301CN	179	683018003	159	684015001U	275
434050006	62, 146, 190,	681014451U	260	681035151CN	178	68108450CN	180	683018003G	171	684015002	164
	330	681014900U	261	681035300CN	179	68108451CN	180	683018003GU	289	684015002CN	187
434065000	62, 147, 190, 331	681014901U	261	681035301CN	179	68108600CN	181	683018003U	269	684015002U	275
434065000G	86	681015150CN	178	681035450	155	68108601CN	181	683018016GU	298	684015003	164
434065006	62, 146, 190,	681015151CN	178	681035450CN	180	68108900CN	182	683018016U	278	684015003CN	188
	330	681015300CN	179	681035450G	167	68108901CN	182	683022000	160	684015012	164
434080000	62, 147, 190, 331	681015301CN	179	681035450GU	282	682012000	158	683022000CN	185	684015012U	275
434080000G	86	681015450	155	681035450U	260	682012000U	264	683022000G	172	684015013	164
434080006	62, 146, 190,	681015450CN	180	681035451	155	682014000U	264	683022000GJ	288	684018001CN	187
	330	681015450G	167	681035451CN	180	682015000	158	683022000U	267	684018001U	275
434100000	62, 147, 190, 331	681015450GU	282	681035451G	167	682015000CN	183	683022001	160	684018002	164
434100000G	86	681015450U	260	681035451GU	282	682015000G	170	683022001CN	185	684018002CN	187
434100006	62, 146, 190,	681015451	155	681035451U	260	682015000GU	286	683022001G	172	684018002U	275
	330	681015451CN	180	681035600CN	181	682015000U	264	683022001GU	288	684018003	164
434125000	62, 331	681015451G	167	681035601CN	181	682016000U	264	683022001U	267	684018003CN	188
434125006	330	681015451GU	282	681035900	156	682018000	158	683022002U	268	684018012	164
434150000	62, 331	681015451U	260	681035900CN	182	682018000CN	183	683022003	159	684018012U	275
434150006	330	681015900	156	681035900G	168	682018000G	170	683022003G	171	684018013	164
530100070I	44	681015900CN	182	681035900GU	283	682018000GU	286	683022003GU	289	684022001CN	187
530112070I	44	681015900G	168	681035900U	261	682018000U	264	683022003U	269	684022001U	275
530114070I	44	681015900GU	283	681035901	156	682022000	158	683022003UJ	268	684022002	164
530134070I	44	681015900U	261	681035901CN	182	682022000CN	183	6830220018U	278	684022002CN	187
530238070I	44	681015901	156	681035901G	168	682022000G	170	6830220018UJ	160	684022002U	275
600100035I	45	681015901CN	182	681035901GU	283	682022000GU	286	683028000CN	185	684022003	164
600112035I	45	681015901G	168	681035901U	261	682022000U	264	683028000G	172	684022003CN	188
600114035I	45	681015901GU	283	681042150CN	178	682028000	158	683028000GU	288	684022012	164
600134035I	45	681015901U	261	681042151CN	178	682028000CN	183	683028000U	267	684022012U	275
600238035I	45	681016450U	260	681042300CN	179	682028000G	170	683028001	160	684022013	164
616015000CN	177	681016451U	260	681042301CN	179	682028000GU	286	683028001CN	185	684022022U	275
616018000CN	177	681016900U	261	681042450	155	682028000U	264	683028001G	172	684022023	164
616022000CN	177	681016901U	261	681042450CN	180	682035000	158	683028001GU	288	684028001CN	187
616028000CN	177	681018450	155	681042450G	167	682035000CN	183	683028001U	267	684028001U	275
616035000CN	177	681018450CN	180	681042450GU	282	682035000G	170	683028002U	268	684028002	164
616042000CN	177	681018450G	167	681042450U	260	682035000GU	286	683028003	159	684028002CN	187
616054000CN	177	681018450GU	282	681042451	155	682035000U	264	683028003G	171	684028002U	275
616076000CN	177	681018450U	260	681042451CN	180	682042000	158	683028003GU	289	684028003	164
616088000CN	177	681018451	155	681042451G	167	682042000CN	183	683028003U	269	684028003CN	188
616108000CN	177	681018451CN	180	681042451GU	282	682042000G	170	683028003UJ	268	684028012U	275
669014015GU	298	681018451G	167	681042451U	260	682042000GU	286	683028022U	268	684035001CN	187
669014015U	279	681018451GU	282	681042600CN	181	682042000U	264	683028922U	278	684035001U	275
669016015GU	298	681018451U	260	681042601CN	181	682054000	158	683035000	160	684035002	164
669016015U	279	681018900	156	681042900	156	682054000CN	183	683035000CN	185	684035002CN	187
669016018GU	298	681018900CN	182	681042900CN	182	682054000G	170	683035000G	172	684035002U	275
669016018U	279	681018900G	168	681042900G	168	682054000GU	286	683035000GU	288	684035003	164
669100028U	276, 296	681018900GU	283	681042900GU	283	682054000U	264	683035000U	267	684035003CN	188
669100128U	276, 296	681018900U	261	681042900U	261	682076000CN	183	683035001	160	684042001CN	187
669102012U	276	681018901	156	681042901	156	682088000CN	183	683035001CN	185	684042001U	275
669102015U	276, 296	681018901CN	182	681042901CN	182	682108000CN	183	683035001G	172	684042002	164
669102018U	276, 296	681018901G	168	681042901G	168	683012000	160	683035001GU	288	684042002CN	187
669102022U	276, 296	681018901GU	283	681042901GU	283	683012000U	267	683035001U	267	684042002U	275
669102112U	276	681018901U	261	681042901U	261	683012001	160	683035002U	268	684042003	164
669102115U	276, 296	681022150CN	178	681054150CN	178	683012001U	267	683035003	159	684042003CN	188
669102118U	276, 296	681022151CN	178	681054151CN	178	683012003	159	683035003G	171	684054001CN	187
669102122U	276, 296	681022300CN	179	681054300CN	179	683012003U	269	683035003GU	289	684054001U	275
669112042U	276, 296	681022301CN	179	681054301CN	179	683012012U	268	683035003U	269	684054002	164
669112142U	276, 296	681022450	155	681054450	155	683012022U	268	683035012U	268	684054002CN	187
669114035U	276, 296	681022450CN	180	681054450CN	180	683014000U	267	683042000	160	684054002U	275
669114135U	276, 296	681022450G	167	681054450G	167	683014001U	267	683042000CN	185	684054003	164
669200054U	276, 296	681022450GU	282	681054450GU	282	683014002U	268	683042000G	172	684054003CN	188
669200154U	276, 296	681022450U	260	681054450U	260	683014003U	269	683042000GU	288	685100022	163
669304018U	276, 296	681022451	155	681054451	155	683014012U	268	683042000U	267	685100028	163
669304022U	276, 296	681022451CN	180	681054451CN	180	683014022U	268	683042001	160	685102012	163
669304028U	276, 296	681022451G	167	681054451G	167	683014912U	278	683042001CN	185	685102012U	277
669304018U	276, 296	681022451GU	282	681054451GU	282	683015000	160	683042001G	172	685102014U	277
669304122U	276, 296	681022451U	260	681054451U	260	683015000CN	185	683042001GU	288	685102015	163
669304128U	276, 296	681022900	156	681054600CN	181	683015000G	172	683042001U	267	685102015G	175
669308012U	276	681022900CN	182	681054601CN	181	683015000GU	288	683042002U	268	685102015U	297
669308015U	276, 296	681022900G	168	681054900	156	683015000U	267	683042003	159	685102015UJ	277
679012001U	277	681022900GU	283	681054900CN	182	683015001	160	683042003G	171	685102016U	277
679012002U	278	681022900U	261	681054900G	168	683015001CN	185	683042003GU	289	685102018	163
679015001CN	192	681022901	156	681054900GU	283	683015001G	172	683042003U	269	685102018G	175
679015001GU	297	681022901CN	182	681054900U	261	683015001GU	288	683042022U	268	685102018GU	297
679015001U	277	681022901G	168	681054901	156	683015001U	267	683054000	160	685102018U	277
679015002GU	297	681022901GU	283	681054901CN	182	683015002U	268	683054000CN	185	685102315U	277
679015002U	278	681022901U	261	681054901G	168	683015003					

687100028G	173	687304028BGU	291	689308015BU	266	690304022	162	691054042CN	188	692054035CN	184
687100028GU	290	687304028BU	271	689308015G	170	690304022BGU	293	691054042G	175	692054035G	171
687100028U	270	687304028G	173	689308015U	266	690304022BU	273	691054042GU	294	692054035GU	286
687100035	161	687304028GU	290	690100022	162	690304022CN	186	691054042U	274	692054035U	258
687100035BGU	291	687304028U	270	690100022BGU	292	690304022G	174	691076042CN	188	692054042	165
687100035BU	271	687308012	161	690100022BU	273	690304022GU	292	691076054CN	188	692054042CN	184
687100035G	173	687308012U	270	690100022G	174	690304022U	272	691088054CN	188	692054042G	171
687100035GU	290	687308014BU	270	690100022GU	292	690304028	162	691088076CN	188	692054042GU	286
687100035U	270	687308015	161	690100022U	272	690304028BGU	293	691088054CN	188	692054042U	265
687102012	161	687308015BGU	291	690100028	162	690304028BU	273	691088076CN	188	692076022CN	184
687102012U	270	687308015BU	270	690100028G	293	690304028G	174	691088088CN	188	692076028CN	184
687102014BU	270	687308015G	173	690100028GU	273	690304028GU	292	692014012U	265	692076035CN	184
687102015	161	687308015GU	290	690100028CN	186	690304028U	272	692015012	158	692076042CN	184
687102015BGU	291	687308015U	270	690100028G	274	690304035BGU	293	692015012U	265	692076054CN	184
687102015BU	270	687308015G	159	690100028GU	292	690304035BU	273	692016014U	265	692088022CN	184
687102015CN	186	687308015U	267	690100028U	272	690304035G	292	692018012	158	692088028CN	184
687102015G	173	687308015BGU	291	690100035	162	690304035U	272	692018012U	265	692088035CN	184
687102015GU	290	687308015BU	270	690100035BGU	293	690308012	162	692018014U	265	692088042CN	184
687102015U	270	687308015G	287	690100035GU	273	690308012U	272	692018015	158	692088054CN	184
687102016BU	270	687308015GU	266	690100035G	174	690308014BU	272	692018015CN	184	692088076CN	184
687102018	161	687308015U	270	690100035G	292	690308015	162	692018015G	171	692088022CN	184
687102018BGU	291	687308015G	170	690100035U	272	690308015BGU	293	692018015GU	286	692088028CN	184
687102018BU	270	687308015U	159	690102012	162	690308015BU	272	692018015U	265	692088035CN	184
687102018CN	186	687308015G	266	690102012U	272	690308015G	174	692018016U	265	692088042CN	184
687102018G	173	687308015GU	290	690102014BU	272	690308015GU	292	692022012	158	692088054CN	184
687102018GU	290	687308015U	287	690102015	162	690308015U	272	692022012U	265	692088076CN	184
687102018U	270	687308015G	266	690102015BGU	293	691014012U	274	692022014U	265	692088088CN	184
687102022	161	687308015CN	183	690102015BU	272	691015012	163	692022015	158	693015000CN	189
687102022BGU	291	687308015G	170	690102015G	186	691015012U	274	692022015CN	184	693015002CN	189
687102022BU	271	687308015GU	287	690102015G	174	691016012U	274	692022015G	171	693018000CN	189
687102022CN	186	687308015U	266	690102015GU	292	691016014U	274	692022015GU	286	693018002CN	189
687102022G	173	687308016BU	266	690102015U	272	691018012	163	692022015U	265	693022000CN	189
687102022GU	290	687308018	159	690102016BU	272	691018012U	274	692022016U	265	693022002CN	189
687102022U	270	687308018BGU	287	690102018	162	691018014U	274	692022018	158	693022003CN	191
687112035	161	687308018BU	266	690102018BGU	293	691018015	163	692022018G	171	693022004CN	191
687112035BGU	291	687308018CN	183	690102018BU	272	691018015CN	188	692022018GU	286	693028000CN	189
687112035BU	271	687308018G	170	690102018CN	186	691018015G	175	692022018U	265	693028002CN	189
687112035G	173	687308018GU	287	690102018G	174	691018015GU	294	692028015	158	693028003CN	191
687112035GU	290	687308018U	266	690102018GU	292	691018015U	274	692028015CN	184	693028004CN	191
687112035U	270	68730802022	159	690102018U	272	691022014U	274	692028015G	171	693035000CN	189
68712042	161	687308022BGU	287	690102022	162	691022015	163	692028015GU	286	693035002CN	189
68712042BGU	291	687308022BU	266	690102022BGU	293	691022015U	188	692028015U	265	693035003CN	191
68712042BU	271	687308022CN	183	690102022GU	273	691022015G	175	692028018	158	693035004CN	191
68712042CN	186	687308022G	170	690102022U	186	691022015GU	294	692028018CN	184	693042000CN	189
68712042G	173	687308022GU	287	690102022G	174	691022015U	274	692028018G	171	693042002CN	189
68712042GU	290	687308022U	266	690102022GU	292	691022016U	274	692028018GU	286	693042003CN	191
68712042U	270	687308028	159	690102022U	272	691022018	163	692028018U	265	693042004CN	191
68712054	161	687308028BGU	287	690102028	162	691022018CN	188	692028022	158	693054000CN	189
68712054BGU	291	687308028BU	266	690102028BGU	293	691022018G	175	692028022CN	184	693054002CN	189
68712054BU	271	687308028CN	183	690102028GU	272	691022018GU	294	692028022G	171	693054003CN	191
68712054G	173	687308028G	170	690102028U	186	691022018U	274	692028022GU	286	693054004CN	191
68712054GU	290	687308028GU	287	690102028G	174	691028015	163	692028022U	265	693076000CN	189
68712054U	270	687308028U	266	690102028GU	292	691028015CN	188	692035015	158	693076002CN	189
68714028	161	687308028G	159	690102028U	272	691028015G	175	692035015CN	184	693076003CN	191
68714028BGU	291	687308028GU	287	690112042	162	691028015GU	294	692035015G	171	693076004CN	191
68714028BU	271	687308028U	266	690112042BGU	293	691028015U	274	692035015GU	286	693088000CN	189
68714028G	173	687308028CN	183	690112042BU	273	691028018	163	692035015U	265	693088002CN	189
68714028GU	290	687308028G	170	690112042CN	186	691028018G	175	692035018	158	693088003CN	191
68714028U	270	687308028GU	287	690112042G	174	691028018GU	294	692035018G	171	693088004CN	191
68714035	161	687308028U	266	690112042GU	292	691028018U	274	692035018GU	286	693088000CN	189
68714035BGU	291	68730802042	159	690112042U	272	691028022	163	692035018U	265	693088002CN	189
68714035BU	271	68730802042BGU	287	690114028	162	691028022CN	188	692035022	158	693088003CN	191
68714035CN	186	68730802042BU	266	690114028BGU	293	691028022G	175	692035022CN	184	693088004CN	191
68714035G	173	68730802042CN	183	690114028GU	273	691028022GU	294	692035022G	171	693088000CN	189
68714035GU	290	68730802042G	170	690114028U	186	691028022U	274	692035022GU	286	693088002CN	189
68714035U	270	68730802042GU	287	690114028U	292	691035022	163	692035022U	265	693088003CN	191
68714042	161	68730802042U	266	690114028U	272	691035022CN	188	692035028	158	693088004CN	191
68714042BGU	291	68730802054	159	690114035	162	691035022G	175	692035028CN	184	693088000CN	189
68714042BU	271	68730802054BGU	287	690114035BGU	293	691035022GU	294	692035028G	171	693088002CN	189
68714042G	173	68730802054BU	266	690114035BU	273	691035022U	274	692035028GU	286	693088003CN	191
68714042GU	290	68730802054CN	183	690114035GU	186	691035028	163	692035028U	265	693088004CN	191
68714042U	270	68730802054G	170	690114035G	174	691035028CN	188	692042015	158	693088000CN	189
687200054	161	68730802054GU	287	690114035GU	292	691035028G	175	692042015G	171	693088002CN	189
687200054BGU	291	68730802054U	266	690114035U	272	691035028GU	294	692042018	158	693088003CN	191
687200054BU	271	687304022	159	690114042	162	691035028U	274	692042018G	171	693088004CN	191
687200054CN	186	687304022BGU	287	690114042BGU	293	691042022	163	692042022	158	693088000CN	189
687200054G	173	687304022BU	266	690114042BU	273	691042022CN	188	692042022CN	184	693088002CN	189
687200054GU	290	687304022CN	183	690114042G	174	691042022G	175	692042022G	171	693088003CN	191
687200054U	270	687304022G	170	690114042GU	292	691042022GU	294	692042022GU	286	693088004CN	191
687304015	161	687304022GU	287	690114042U	272	691042022U	274	692042022U	265	693088000CN	189
687304015BGU	291	687304022U	266	690200054	162	691042028	163	692042028	158	693088002CN	189
687304015BU	270	687304028	159	690200054BGU	293	691042028CN	188	692042028G	171	693088003CN	191
687304015G	173	687304028BGU	287	690200054BU	273	691042028G	175	692042028GU	286	693088004CN	191
687304015GU	290	687304028BU	266	690200054CN	186	691042028GU	294	692042028U	265	693088000CN	189
687304015U	270	687304028CN	183	690200054G	174	691042028U	274	692042035	158	693088002CN	189
687304016BU	270	687304028G	170	690200054GU	292	691042035	163	692042035CN	184	693088003CN	191
687304018	161	687304028GU	287	690200054U							

697102018	157	698200054GU	284	8030502500	310	808100045	316	818080065	322	823050001	332
697102018BGU	285	698200054U	262	8030503000	310	808100087	316	818100050	322	823050002	333
697102018BU	263	698304015	157	8030650250	311	808125045	316	818100065	322	823050003	333
697102018G	169	698304015BGU	285	8030650500	311	808125087	316	818100080	322	823050004	334
697102018GU	284	698304015BU	264	8030650750	311	808150045	316	818125100	322	823065000	332
697102018U	262	698304015G	169	8030651000	311	808150087	316	818150125	322	823065001	332
697102022	157	698304015GU	284	8030651500	311	809050040	317	819040000	323	823065002	333
697102022G	169	698304015U	262	8030652000	311	809065040	317	819040001	323	823065003	333
697102028	157	698304018	157	8030652500	311	809065050	317	819040002	324	823065004	334
697102028G	169	698304018BGU	285	8030653000	311	809080050	317	819040003	324	823080000	332
69712042	157	698304018BU	264	8030800750	311	809100040	317	819040004	325	823080001	332
69712042BGU	285	698304018G	169	8030801000	311	809100050	317	819050000	323	823080002	333
69712042BU	263	698304018GU	284	8030801500	311	809100065	317	819050001	323	823080003	333
69712042G	169	698304018U	262	8030802000	311	809100080	317	819050002	324	823080004	334
69712042GU	284	698304022	157	8030802500	311	809125050	317	819050003	324	823100000	332
69712042U	262	698304022BGU	285	8030803000	311	809125065	317	819050004	325	823100001	332
69714035	157	698304022BU	264	8031000750	311	809125100	317	819065000	323	823100002	333
69714035BGU	285	698304022G	169	8031001000	311	809150065	317	819065001	323	823100003	333
69714035BU	263	698304022GU	284	8031001500	311	809150100	317	819065002	324	823100004	334
69714035G	169	698304022U	262	8031002000	311	809150125	317	819065003	324	823125000	332
69714035GU	284	698304028BU	264	8031002500	311	810050040	317	819065004	325	823125001	332
69714035U	262	698304028GU	284	8031003000	311	810065040	317	819080000	323	823125002	333
697200054	157	698304028U	262	8031250750	311	810065050	317	819080001	323	823125004	334
697200054BGU	285	698308012	157	8031251000	311	810080050	317	819080002	324	823150000	332
697200054BU	263	698308012BU	264	8031251500	311	810080065	317	819080003	324	823150001	332
697200054G	169	698308012U	262	8031252000	311	810100040	317	819080004	325	823150002	333
697200054GU	284	698308015	157	8031252500	311	810100050	317	819100000	323	823150004	334
697200054U	262	698308015BU	264	8031253000	311	810100065	317	819100001	323	8240500600	334
697304018	157	698308015G	169	8031500750	311	810100080	317	819100002	324	8240500750	334
697304018BGU	285	698308015GU	284	8031501000	311	810125050	317	819100003	324	8240501000	334
697304018BU	263	698308015U	262	8031501500	311	810125065	317	819100004	325	8240501100	334
697304018G	169	802040025	309	8031502000	311	810125100	317	819125000	323	8240501250	334
697304018GU	284	802040050	309	8031502500	311	810150065	317	819125001	323	8240501500	334
697304018U	262	802040075	309	8031503000	311	810150100	317	819125002	324	8240502000	334
697304022	157	802040100	309	804040015	313	810150125	317	819125003	324	8240502500	334
697304022BGU	285	802040150	309	804040030	312	811050045	318	819125004	325	825040011	335
697304022BU	263	802040200	309	804040045	312	811050087	318	819150000	323	825040022	335
697304022G	169	802040250	309	804040087	312	811065045	318	819150001	323	825040033	335
697304022GU	284	802040300	309	804050015	313	811065087	318	819150002	324	825040044	336
697304022U	262	802050025	309	804050030	312	811000045	318	819150003	324	825040055	336
697308012	157	802050050	309	804050045	312	811000087	318	819150004	325	825040066C	337
697308012BU	263	802050075	309	804050087	312	811250045	318	820000000	338	825040066Q	336
697308012U	262	802050100	309	804065015	313	811250087	318	820040000	328	825040077C	337
697308015	157	802050150	309	804065030	312	811500045	318	820040006	326	825040077Q	337
697308015BU	263	802050200	309	804065045	312	811500087	318	820040010	327	825050011	335
697308015G	169	802050250	309	804065087	312	812050040	319	820040100	328	825050022	335
697308015GU	284	802050300	309	804080015	313	812065050	319	820040112	328	825050033	335
697308015U	262	802065025	309	804080030	312	812080050	319	820040114	328	825050044	336
698100022	157	802065050	309	804080045	312	812100050	319	820050000	328	825050055	336
698100022BGU	285	802065075	309	804080087	312	812100065	319	820050006	326	825050066C	337
698100022BU	264	802065100	309	805040000	313	812100080	319	820050010	327	825050066Q	336
698100022G	169	802065150	309	805040045	314	812125100	319	820050112	328	825050077C	337
698100022GU	284	802065200	309	805040087	313	812150100	319	820050114	328	825050077Q	337
698100022U	262	802065250	309	805050000	314	812150125	319	820050200	328	825065011	335
698100028	157	802065300	309	805050045	314	813050040	319	820065006	326	825065022	335
698100028BGU	285	802080025	309	805050087	313	813065050	319	820065010	327	825065033	335
698100028BU	264	802080050	309	805065000	313	813080050	319	820065040	327	825065044	336
698100028G	169	802080075	309	805065045	314	813100065	319	820080006	326	825065055	336
698100028GU	284	802080100	309	805065087	313	813100080	319	820080010	327	825065066C	337
698100028U	262	802080150	309	805080045	314	813125100	319	820100006	326	825065066Q	336
698102012	157	802080200	309	805080087	314	813150100	319	820100010	327	825065077C	337
698102012BU	264	802080250	309	805100015	314	813150125	319	820125006	326	825065077Q	337
698102012U	262	802080300	309	805100030	314	814050045	320	820125010	327	825100022	335
698102014BU	264	802100025	309	805100045	314	814050087	320	820150006	326	825100044	336
698102015	157	802100050	309	805100087	313	814065045	320	820150010	327	825100055	336
698102015BGU	285	802100075	309	805125015	314	814065087	320	820205000	327	826000002	339
698102015BU	264	802100100	309	805125030	314	814080045	320	820260000	327	826040000	339
698102015G	169	802100150	309	805125045	314	814080087	320	821040006	328	826040001	339
698102015GU	284	802100200	309	805125087	313	814100045	320	821040010	329	826050000	339
698102015U	262	802100250	309	805150015	314	814100087	320	821050006	328	826050001	339
698102016BU	264	802100300	309	805150030	314	814125045	320	821050010	329	826065000	339
698102018	157	802125025	309	805150045	314	814125087	320	821065006	328	826065001	339
698102018BGU	285	802125050	309	805150087	313	814150045	320	821065010	329	826080001	339
698102018BU	264	802125075	310	806065075	315	814150087	320	821080006	328	826100001	339
698102018G	169	802125100	310	806065130	315	815050040	321	821080010	329	826125001	339
698102018GU	284	802125150	310	806065200	315	815065050	321	821100006	328	826150001	339
698102018U	262	802125200	310	806080075	315	815080050	321	821100010	329	827040000	325
698102022	157	802125250	310	806080130	315	815100065	321	821125006	328	827040001	326
698102022BGU	285	802125300	310	806080200	315	815100080	321	821125010	329	827042040	325
698102022BU	264	802150025	310	806100075	315	815125100	321	821150006	328	827050000	325
698102022G	169	802150050	310	806100130	315	815150100	321	821150010	329	827050001	326
698102022GU	284	802150075	310	806100200	315	815150125	321	822040006	329	827053050	325
698102022U	262	802150100	310	806125075	315	816050040	321	822040010	330	827065000	325
698102028	157	802150150	310	806125130	315	816065050	321	822050006	329	827065001	326
698102028G	169	802150200	310	806125200	315	816100065	321	822050010	330	827073075	325
69812042	157	802150250	310	807050000	315	816125100	321	822065006	329	827080000	325
69812042BGU	285	802150300	310	807050040	316	816150100	321	822065010	330	827080001	326
69812042BU	264	8030400250	310	807065000	315	816150125	321	822080006	329	827100000	325
69812042G	169	8030400500	310	807065050	316	817050040	322	822080010	330	82	



**Manufacturing Plant
Pilastro[Mantova]**



**RacMet Academy
Campitello [Academy]**



**Head Office and Manufacturing Plant
Campitello [Mantova]**



RACORDERIE METALLICHE S.P.A.

Head Office and Manufacturing Plant:

Strada Sabbionetana, 59

46010 Campitello di Marcaria (MN) ITALY

Tel. +39 0376 96001

info@racmet.com

racorderiemetalliche.com

follow us on

