

# **Raccordi Inoxpres o-ring FKM verde "Silicone free"**

## **Caratteristiche tecniche**

- Gamma Inoxpres
- Impianti silicon free / O<sub>2</sub> / idrocarburi / olio / solare
- Pressione: PN 16 bar

Raccordo Inoxpres 316L

O-ring FKM verde



Listino DICEMBRE 2016



RACCORDERIE METALLICHE

**Applicazioni industriali**

- Aria compressa
- Ossigeno industriale O<sub>2</sub> (no alimentare/ospedaliero)
- Ozono O<sub>3</sub>
- 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 O<sub>2</sub> (no food/hospital)
- Ozone O<sub>3</sub>
- 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**

**Gamma dimensionale / Product range**  
**A richiesta / On demand**

**∅ 15 ÷ 54 mm**  
**∅ 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"

# SILICONE FREE

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]

**116/300 6 m****B 30 31****TUBO PER IMPIANTI "SILICONE FREE"**

- PIPE FOR "SILICONE FREE" INSTALLATION
- ROHR FÜR "SILIKONFREIE" INSTALLATION
- TUBE POUR INSTALLATION "SANS SILICONE"
- TUBO PARA INSTALACIÓN "LIBRE DE SILICONA"

**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	€/m
116015300	15 x 1,0	13	6	0,351	0,133	60	1014	10,24
116018300	18 x 1,0	16	6	0,426	0,201	60	1014	11,02
116022300	22 x 1,2	19,6	6	0,625	0,302	60	762	14,79
116028300	28 x 1,2	25,6	6	0,805	0,514	30	546	18,14
116035300	35 x 1,5	32	6	1,258	0,804	30	546	26,72
116042300	42 x 1,5	39	6	1,521	1,194	30	366	32,04
116054300	54 x 1,5	51	6	1,972	2,042	30	366	40,63

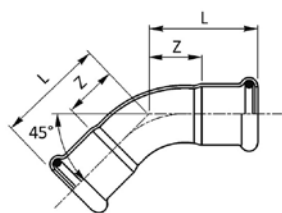
Per sistema silicone free, utilizzare solo tubo Inoxpres ricotto.

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

Für System freies Silikon, nur geglüht 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.

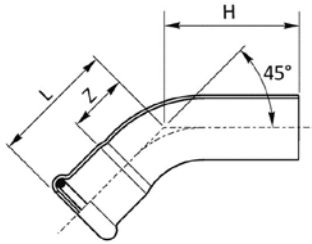
**181/450 HT****B 10 16****CURVA 45° FF**

- 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	L mm	Z mm	 g		€
181015450HT	15	36	16	50	4	12,20
181018450HT	18	37	17	64	4	13,51
181022450HT	22	41	20	82	4	15,69
181028450HT	28	47	24	112	4	18,87
181035450HT	35	43	17	127	1	21,56
181042450HT	42	51	21	177	1	34,92
181054450HT	54	62	30	273	1	44,84

B 10 16

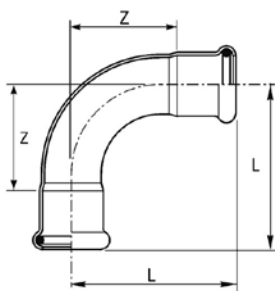
**181/451 HT****CURVA 45° MF**

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

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

**MATERIAL:** AISI 316L - 1.4404  
**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silicóna

CODE	De mm	L mm	H mm	Z mm	g	kg	€
181015451HT	15	36	49	16	50	4	12,20
181018451HT	18	37	43	17	64	4	13,07
181022451HT	22	41	48	20	82	4	14,81
181028451HT	28	47	54,5	22	112	4	17,62
181035451HT	35	43	57,5	17	132	1	20,08
181042451HT	42	51	72	21	196	1	33,64
181054451HT	54	62	82	26	296	1	43,11

**181/900 HT****CURVA 90° FF**

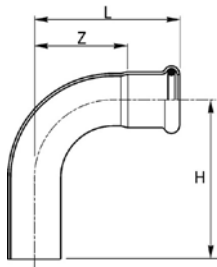
- 90° ELBOW FF
- BOGEN 90° II
- COUDE FF 90°
- CURVA 90° HH

**MATERIAL:** AISI 316L - 1.4404  
**O-RING:** FKM verde - green - Grün - vert - verde

**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silicóna

CODE	De mm	L mm	Z mm	g	kg	€
181015900HT	15	50	30	58	4	9,32
181018900HT	18	54	34	72	4	10,66
181022900HT	22	60	39	102	4	12,86
181028900HT	28	73	50	143	4	17,14
181035900HT	35	68	42	162	1	26,82
181042900HT	42	80	50	231	1	46,07
181054900HT	54	100	64	367	1	64,26

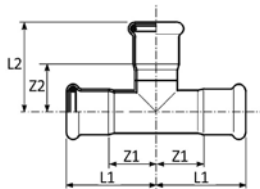
B 10 16

**181/901 HT****B 10 16****CURVA 90° MF**

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

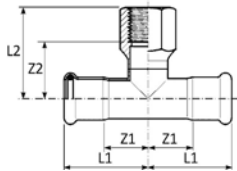
**MATERIAL:** AISI 316L – 1.4404**O-RING:** FKM verde – green – Grün – vert – verde**TYPE:** esente silicone – silicon free  
Siliconfrei – sans silicone  
libre de silicona

CODE	De mm	L mm	H mm	Z mm	g	kg	€
181015901HT	15	50	63	30	58	4	9,77
181018901HT	18	54	63	34	72	4	11,10
181022901HT	22	60	71	39	102	4	13,31
181028901HT	28	73	81	50	143	4	16,69
181035901HT	35	68	82	42	176	1	24,57
181042901HT	42	80	101	50	253	1	44,60
181054901HT	54	100	120	64	390	1	64,63

**182 HT****B 10 16****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	kg	€
182015000HT	15	34	39	14	19	67	4	15,15
182018000HT	18	37	41	16	21	80	4	17,72
182022000HT	22	39	45	18	24	106	4	19,00
182028000HT	28	44	50	21	27	145	4	23,19
182035000HT	35	51	57	25	31	201	1	28,89
182042000HT	42	59	65	28	35	260	1	40,86
182054000HT	54	70	77	34	42	404	1	48,72

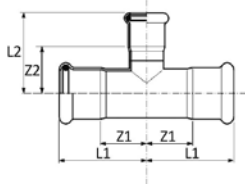
B 10 16

**189 HT**

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

CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm	g	kg	€
189102015HT	15 x 1/2" x 15	34	40	13	25	90	4	16,96
189102018HT	18 x 1/2" x 18	37	42	16	27	101	4	17,40
189102022HT	22 x 1/2" x 22	39	44	18	29	138	4	19,15
189304022HT	22 x 3/4" x 22	39	47	18	31	143	4	21,85
189102028HT	28 x 1/2" x 28	44	47	21	32	169	4	21,07
189304028HT	28 x 3/4" x 28	44	50	21	33	185	4	25,04
189100035HT	35 x 1" x 35	51	47	22	28	250	1	49,77
189100042HT	42 x 1" x 42	59	60	29	41	346	1	54,53
189200054HT	54 x 2" x 54	70	81	34	55	838	1	80,62

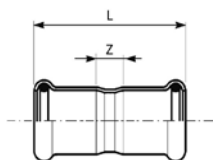
B 10 16

**192 HT**

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

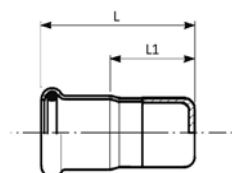
CODE	De mm	L1 mm	L2 mm	Z1 mm	Z2 mm	g	kg	€
192018015HT	18 x 15 x 18	36,5	41	15,5	21	80	4	15,21
192022018HT	22 x 18 x 22	39	44	18	23	98	4	16,74
192028022HT	28 x 22 x 28	44	47	21	26	135	4	21,45
192035022HT	35 x 22 x 35	51	51	25	30	167	1	26,17
192035028HT	35 x 28 x 35	51	54	25	31	171	1	27,23
192042028HT	42 x 28 x 42	59	57	29	34	243	1	38,38
192042035HT	42 x 35 x 42	59	61	29	35	272	1	39,23
192054035HT	54 x 35 x 54	70	68	34	42	361	1	43,96
192054042HT	54 x 42 x 54	70	72	34	42	376	1	46,13

B 10 16



**183/000 HT**

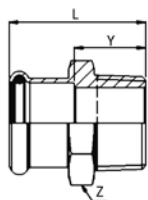
**MATERIAL:** AISI 316L – 1.4404  
**O-RING:** FKM verde - green - Grün - vert - verde  
**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silicóna

CODE	De mm	L mm	Z mm	g	kg	€
183015000HT	15	49	9	35	4	6,33
183018000HT	18	50	10	42	4	7,22
183022000HT	22	53	11	54	4	8,31
183028000HT	28	56	10	71	4	9,49
183035000HT	35	63	10	97	1	12,02
183042000HT	42	72	12	136	1	16,29
183054000HT	54	83	13	198	1	19,75



**183/003 HT****B 1016**

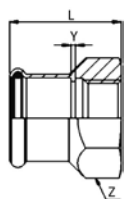
**MATERIAL:** AISI 316L - 1.4404  
**O-RING:** FKM verde - green - Grün - vert - verde  
**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silica

CODE	De mm	L mm	L1 mm			€
183015003HT	15	44	24	32	4	8,12
183018003HT	18	44	24	38	4	8,46
183022003HT	22	45	24	51	4	9,82
183028003HT	28	48	25	68	4	13,52
183035003HT	35	52	26	95	1	15,42
183042003HT	42	56	26	126	1	23,69
183054003HT	54	62	27	185	1	27,94



**187 HT****B 1016**

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

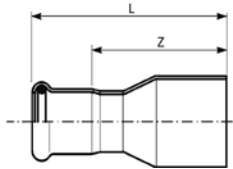
CODE	De x R mm x inch	L mm	Z mm	Y mm			€
187102015HT	15 x 1/2"	41	24	21	54	4	15,62
187102018HT	18 x 1/2"	41	27	21	58	4	17,00
187102022HT	22 x 1/2"	42	32	21	83	4	18,49
187304022HT	22 x 3/4"	44	32	23	89	4	19,14
187100022HT	22 x 1"	46	36	25	154	4	22,78
187304028HT	28 x 3/4"	47	38	24	114	4	25,96
187100028HT	28 x 1"	48	38	25	123	4	27,59
187114035HT	35 x 1 1/4"	55	46	28	180	1	36,48
187112042HT	42 x 1 1/2"	59	55	28	236	1	53,00
187200054HT	54 x 2"	71	65	35	362	1	74,47

**190 HT****B 1016**



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

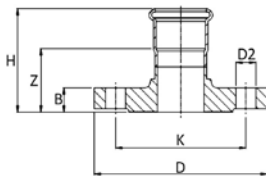
CODE	De x Rp mm x inch	L mm	Z mm	Y mm			€
190102015HT	15 x 1/2"	38	27	2	64	4	16,82
190102018HT	18 x 1/2"	38	27	2	89	4	17,74
190304022HT	22 x 3/4"	40	32	2	82	4	22,09
190304028HT	28 x 3/4"	42	38	2	130	4	25,23
190100028HT	28 x 1"	45	41	2	158	4	34,57
190114035HT	35 x 1 1/4"	52	46	2	170	1	37,70
190112042HT	42 x 1 1/2"	56	55	2	243	1	58,78
190200054HT	54 x 2"	65	65	2	314	1	87,52





**191 HT****B 10 16**

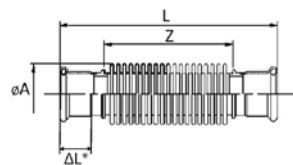
**MATERIAL:** AISI 316L – 1.4404  
**O-RING:** FKM verde - green - Grün - vert - verde  
**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silica

CODE	De mm	L mm	Z mm			€
191018015HT	18 x 15	57	37	35	4	7,33
191022018HT	22 x 18	60	60	47	4	8,28
191028022HT	28 x 22	65	42,5	58	4	9,66
191035028HT	35 x 28	71	48	98	1	14,48
191042035HT	42 x 35	81	55	138	1	16,91
191054042HT	54 x 42	97,5	67,5	210	1	18,15



**193/000 HT****B 10 16**

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

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	57,53
193018000HT	18	15	55,5	35,5	14	95	14	4	65	660	1	59,13
193022000HT	22	20	58,5	37,5	16	105	14	4	75	945	1	68,76
193028000HT	28	25	61,5	38,5	16	115	14	4	85	1140	1	84,08
193035000HT	35	32	65,5	39,5	16	140	18	4	100	1640	1	118,66
193042000HT	42	40	69	39	16	150	18	4	110	1800	1	139,22
193054000HT	54	50	78	42	18	165	18	4	125	2450	1	171,67

**199 HT****B 10 16**

**MATERIAL:** AISI 316L – 1.4404  
**O-RING:** FKM verde - green - Grün - vert - verde  
**TYPE:** esente silicone - silicon free  
 Siliconfrei - sans silicone  
 libre de silica  
**NOTE:** \* ΔL max: 1000 Cicli - 1000 Abläufe  
 1000 Cycles - 1000 Cycles  
 1000 Ciclos

CODE	De mm	L mm	ΔL* mm	Z mm	A mm			€
199015000HT	15	139	16	71	23	80	1	141,31
199018000HT	18	143	18	74	28	108	1	155,42
199022000HT	22	139	20	68	34	130	1	173,09
199028000HT	28	150	22	73	41	155	1	222,57
199035000HT	35	177	26	90	52	251	1	275,52
199042000HT	42	202	32	107	62	440	1	328,52
199054000HT	54	221	36	113	72	550	1	406,25

