



Strojírenský zkušební ústav, s.p.
(Engineering Test Institute, Public Enterprise), Authorized Body 202
Hudcova 424/56b, Medlánky, Brno, Czech Republic
Authorization Decision 2/2023 of 1 March 2023

PRODUCT CERTIFICATE

No. **202/C5/2025/B-00158-25**

In compliance with the provisions of Section 5 (2) of Government Regulation 163/2002 Coll., laying down technical requirements for selected construction products, as amended by Government Regulation 312/2005 Coll., Government Regulation 215/2016 Coll. and Government Regulation 119/2024 Coll., the Authorized Body hereby confirms that for the following construction product

System of pipes and press fittings made of carbon steel

Type designation: **STEELPRES**
Versions: see Pages 2 and 3

Manufacturer: **Raccorderie Metalliche S.p.A.**
Strada Sabbionetana, 59
46010 Campitello di Marcaria (MN)
ITALY

It has reviewed the background materials submitted by the Manufacturer, carried out the initial product type test on samples, initial audit at the manufacturing plant and has assessed the factory production control system and ascertained that the product concerned meets the requirements related to essential requirements of the abovementioned Government Regulation set by Technical Construction Certificate 202-STO-B-01325-24 of 20 January 2025 issued by the Authorised Body 202 and valid until 19 January 2030 and that the factory production system is consistent with the relevant technical documentation and ensures that the products being placed on the market meet the requirements laid down by the abovementioned Technical Construction Certificate and that they are consistent with the technical documentation pursuant to Section 4 (3) of the aforesaid Government Regulation.

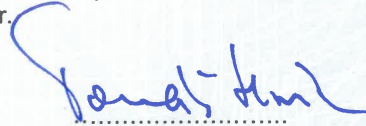
An integral part of this Certificate is Final Report 30-17266/MZ of 29 January 2025, which contains the conclusions drawn from the ascertainment, verifications, test results and the essential description of the certificated product, necessary for its identification.

This Certificate was first issued on 29 January 2025 and will remain valid as long as the requirements that are laid down by Technical Construction Certificate, to which reference is made, or the production conditions at the manufacturing plant or the factory production control system remain substantially unchanged, unless this Certificate is amended or cancelled by the Authorized Body.

At least once every 12 months, the Authorized Body performs surveillance of proper operation of the factory production control system at the Manufacturer's premises or product inspection at the Distributor's premises pursuant to provisions of Section 5 (4) or Section 5 (5) of the abovementioned Government Regulation, takes samples of the products at the manufacturing plant, tests these samples and assesses whether the characteristics of the products comply with the Technical Construction Certificate. The Authorised Body shall issue a report on evaluation of the surveillance and pass it to the Manufacturer or to the Distributor.

Brno, 29 January 2025




Ing. Tomáš Hruška
Director

202/C5/2025/B-00158-25 Page 1 (3)



Basic technical data and specification of versions:

Application	Maximum allowable pressure PN ¹⁾	Maximum allowable temperature	O-ring	Pipe
- Water ^{**)}	16 bar	-20 °C to +120 °C	EPDM	316/005
- Heating	16 bar	0 °C to +120 °C	EPDM	316/005
- Cooling	16 bar	-20 °C to +120 °C	EPDM	316/003
- Solar system	6 bar	-20 °C to +220 °C	FKM	316/005
- Compressed air	16 bar	Ambient temperature	EPDM, FKM	---
- Nitrogen in gaseous state	16 bar	Ambient temperature	EPDM	---
- Argon in gaseous state	16 bar	Ambient temperature	EPDM	---
- Dry carbon dioxide in gaseous state	16 bar	Ambient temperature	EPDM	---
¹⁾ Limited maximum allowable pressure (10 bar) in the dimension range 76+108 mm outside diameter with the use of Klauke UAP4 / UAP4L and Novopress ACO 202 XL / ACO 203 XL / ECO 301 pressing tools.				
^{**)} Only closed circuit.				
Fitting material:	Carbon steel E 195 (material 1.0034), ČSN EN 10305 galvanized outside, 6–12 µm			
Pipe material:	Carbon steel E 220 CR2S4 (material 1.0215), ČSN EN 10305-3:2024 galvanized outside, 6–12 µm Carbon steel E 190 CR2S4 (material 1.0031), ČSN EN 10305-3:2024 galvanized outside and inside, 10–20 µm			
O-ring:	EPDM (black), model TIMO-70 FKM (green), model FKM TEC V4/70			

Description	Type	Dimension
Pipe 1.0215, 6 m long	316/005	12x1,2; 15x1,2; 18x1,2; 22x1,5; 28x1,5; 35x1,5; 42x1,5; 54x1,5; 76,1x2,0; 88,9x2,0; 108x2,0
Pipe 1.0215 with PP coating, 6 m long	316/003	12x1,2; 15x1,2; 18x1,2; 22x1,5; 28x1,5; 35x1,5; 42x1,5; 54x1,5; 76,1x2,0; 88,9x2,0; 108x2,0
Pipe 1.0031, 6 m long	316/002	22x1,5; 28x1,5; 35x1,5; 42x1,5; 54x1,5; 76,1x2,0; 88,9x2,0; 108x2,0
Elbow 45° FF	381/450	15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Elbow 45° MF	381/451	15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Elbow 90° FF	381/900	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Elbow 90° MF	381/901	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Elbow adapter 90° M – male thread	385	15xR3/8; 15xR1/2; 18xR1/2; 22xR3/4
Elbow adapter 90° F – female thread	398	22xRp3/4; 28xRp1/2; 28xRp3/4
Elbow 90° M – male thread	397	12xR3/8; 15xR3/8; 15xR1/2; 18xR1/2; 22xR3/4; 28xR1; 35xR11/4; 42x11/2; 54xR2
Equal T-piece	382	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
T-piece reduced	392	15x12x15; 18x12x18; 18x15x18; 22x12x22; 22x15x22; 22x18x22; 28x15x28; 28x18x28; 28x22x28; 35x15x35; 35x18x35; 35x22x35; 35x28x35; 42x22x42; 42x28x42; 42x35x42; 54x22x54; 54x28x54; 54x35x54; 54x42x54; 76,1x22x76,1; 76,1x28x76,1; 76,1x35x76,1; 76,1x42x76,1; 76,1x54x76,1; 88,9x28x88,9; 88,9x35x88,9; 88,9x42x88,9; 88,9x54x88,9; 88,9x76,1x88,9; 108x28x108; 108x35x108; 108x42x108; 108x54x108; 108x76,1x108; 108x88,9x108
T-piece, oversize branch	392/A	12x15x12; 15x18x15; 15x22x15; 18x22x18; 22x28x22
Branch T-piece F – female thread	389	15xRp1/2x15; 18xRp1/2x18; 22xRp1/2x22; 22xRp3/4x22; 28xRp1/2x28; 28xRp3/4x28; 28xRp1x28; 35xRp1/2x35; 35xRp3/4x35; 35xRp1x35; 42xRp1/2x42; 42xRp3/4x42; 54xRp1/2x54; 54xRp3/4x54; 76,1xRp1/2x76,1; 76,1xRp3/4x76,1; 88,9xRp1/2x88,9; 88,9xRp3/4x88,9; 108xRp1/2x108; 108xRp3/4x108
Coupling	383/000	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Slip coupling	383/001	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Valve connector	383/002	15xG3/4; 18xG3/4; 22xG3/4; 22xG1; 28xG1; 28xG11/4; 35xG11/4; 35xG11/2; 42xG11/2; 42xG13/4; 42xG2; 54xG2; 54xG23/8; 54xG21/2
Stop end	383/003	12; 15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108



Description	Type	Dimension
Straight union connector M – male thread	384/000	15xR1/2; 18xR1/2; 22xR3/4; 28xR1; 35xR11/4; 42xR11/2; 54xR2
Straight union connector F – female thread	384/001	15xRp1/2; 18xRp1/2; 22xRp3/4; 28xRp1; 35xRp11/4; 42xRp11/2; 54xRp2
Reducing male adapter	387	12xR3/8; 15xR3/8; 15xR1/2; 15xR3/4; 18xR1/2; 18xR3/4; 22xR1/2; 22xR3/4; 22xR1; 28xR3/4; 28xR1; 28xR11/4; 35xR1; 35xR11/4; 35xR11/2; 42xR11/2; 54xR2; 76xR21/2; 88,9xR3; 108xR4
Reducing female adapter	390	12xRp1/2; 15xRp3/8; 15xRp1/2; 15xRp3/4; 18xRp1/2; 18xRp3/4; 22xRp1/2; 22xRp3/4; 22xRp1; 28xRp1/2; 28xRp3/4; 28xRp1; 35xRp1; 35xRp11/4; 42xRp11/2; 54xRp2
Reducer MF	391	15x12; 18x12; 18x15; 22x12; 22x15; 22x18; 28x15; 28x18; 28x22; 35x22; 35x28; 42x22; 42x28; 42x35; 54x22; 54x28; 54x35; 54x42; 76,1x42; 76,1x54; 88,9x54; 88,9x76,1; 108x76,1; 108x88,9
Pipe bridge MM	379	12; 15; 18; 22; 28;
Reduction socket – male thread	393/M	15xR1/2; 18xR1/2; 18xR3/4; 22xR1/2; 22xR3/4; 28xR1
Reduction socket – female thread	393/F	15xRp1/2; 18xRp1/2; 18xRp3/4; 22xRp1/2; 22xRp3/4
Elbow 90° MM	394/900	15; 18; 22; 28; 35; 42; 54
Elbow 30° MM	394/300	28; 35; 42; 54
Elbow 15° MM	394/150	28; 35; 42; 54
Adaptor flange	393/002	15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Adaptor flange	393/000	15; 18; 22; 28; 35; 42; 54; 76,1; 88,9; 108
Coupling	322	60x42; 60x54; 76x54
Combination pipe welding end	375	17,2x12; 17,2x15; 21,3x18; 26,9x22; 33,7x28; 42,4x35; 48,3x42; 60,3x54; 76,1x76,1; 88,9x88,9; 114,3x114,3
Radiator connector	396/RAD	15x1/2"; 18x1/2"
Crossing 90°	399	15x15; 18x15; 22x15; 22x18; 28x15; 28x18
Single crossing	395	12x12; 15x12; 15x15; 18x12; 18x15; 22x12; 22x15; 28x12; 28x15
Double crossing	396	12x12; 15x12; 15x15; 18x12; 18x15; 22x12; 22x15; 28x12; 28x15; 35x15

F - Press joint; M - Free end

Individual versions differ dimensionally according to indicated DN and according to execution of joints.

