



IRECO® FITTINGS IN BRASS - 900.1 SERIES BSR - FOR IRON PIPES FOR IRON PIPES FROM DIAMETER 21 (1/2") TO DIAMETER 60 (2")



DESCRIPTION

The **IRECO®** 900.1 series BSR compression fittings for iron pipes with EPDM elastomer ring washer have been conceived, designed and manufactured for metal piping used for transporting fluids under pressure. These fittings are in fact compatible with steel piping as defined in EN 10255, DIN 2442 e DIN 2448/DIN 2458 Series 1, ISO 65. These fittings are used in conduits under pressure (distribution mains, irrigation and thermo-hydraulic plants, also combined types, cold and hot water, compressed air plants) as well as for draining conduits (sewage and drain systems inside and outside buildings). The nickel-plated locking nut makes it easy to identify them. The connection of the fitting is guaranteed by the compression of a cut ring against the external wall of the pipe, and does not require any prior preparation of the extremities of the tube, besides having a squared-off cut with sharp and de-burred edges. The whole range (except for the repair coupling) has an internal seat for the pipe, in order to limit the length of the coupling and to hold the internal support, if used. The locking nuts and straight connecting bodies have ideal surfaces to transmit the twisting moments while tightening. This product adheres to the standards set forth by the European health authorities for the transport of alimentary fluids and potable water. Besides that these fittings can also be used for the distribution of non-combustible and combustible gas, if they are installed above ground or in inspection posts. These fittings can perfectly be used in non-combustible gas systems and in combustible gas system if installed above ground or in inspection posts.

TECHNICAL FEATURES

Pressures and temperatures:

if used with

Pipelines for water distribution:

- maximum working pressure 16 bar at 70°C

Pipelines for non-combustible gas distribution:

- maximum working pressure 10 bar at 20°C

Pipelines for combustible gas distribution:

- maximum working pressure 1 bar at 23°C

Alignment:

Torsion angle (°):

Axial mobility:

+/- 1°

these fittings have not been designed specifically to bear torsion angles.

up to 1 bar there is no axial mobility. For pressures superior to 1 bar the steel pipe might undergo an axial deformation (up to 3 mm) due to the normal bond of the seal and stopping elements.

Threading and terminal connections (according to the model):

pipe connection

compression fittings for IRON pipes

Requirements and tests as per:

Certifications:

threads according to ISO 228/1

conforming with DIN 3387-1

tests are effectuated according to the DIN 3387-1

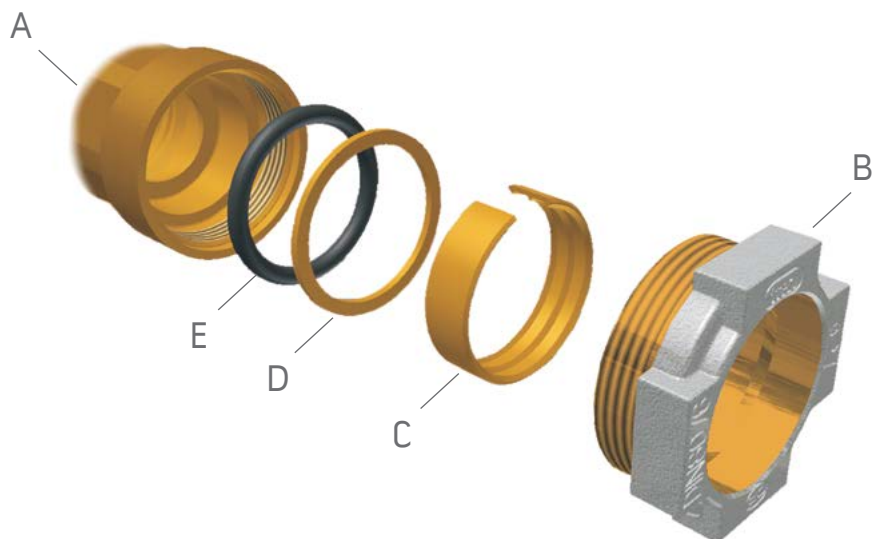
ACS



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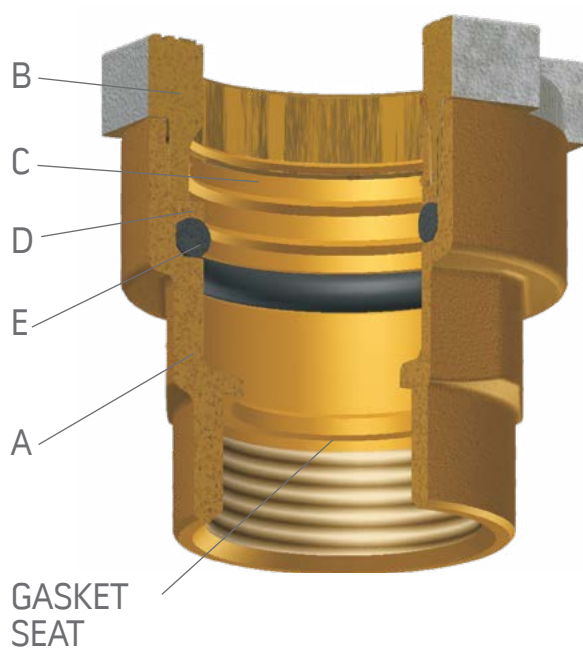
DESIGN



A- Body
 B- Locking nut
 C- Compression ring
 D- Sealing ring DN 20 - 32
 Sealing ring DN 40 - 63
 E- O-ring washer

brass
 nickel-plated brass
 brass
 brass
 stainless steel
 EPDM elastomer

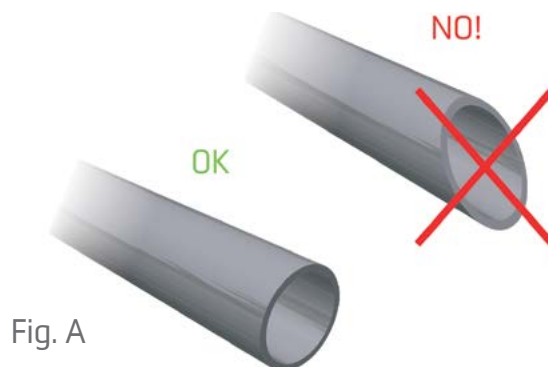
The **IRECO®** 900.1 series BSR brass fittings for iron pipes are designed in such a way that once the locking nut (B), is tightened, it is automatically screwed against the body of the fitting (A), which ensures the correct closure of the compression ring (C) on the tube and the squashing of the sealing o-ring (E). The **IRECO®** 900.1 series BSR brass fittings for iron pipes with female-threaded off-takes have a plane seat where a gasket can be put in order to guarantee the seal after connecting it to the piping.



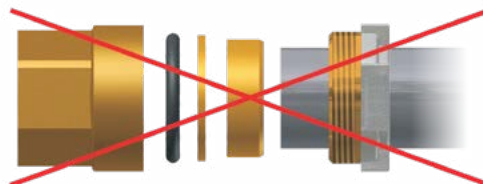
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INSTALLATION INSTRUCTIONS

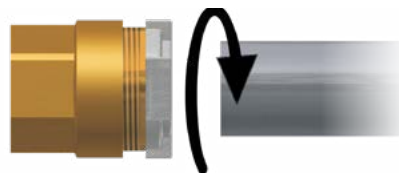
After cutting the tubes (see Fig. A) and eliminating the burrs, clean the external and internal extremities which have to be united, ensuring that they are free of grains, sand, grease, dirt, etc.



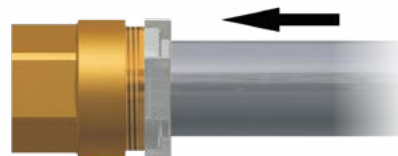
PLEASE NOTE: Do not dismantle the fitting.



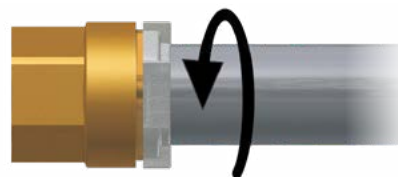
- 1 Unscrew the locking nut without removing it from the fitting.



- 2 Insert the tube against the body of the fitting.



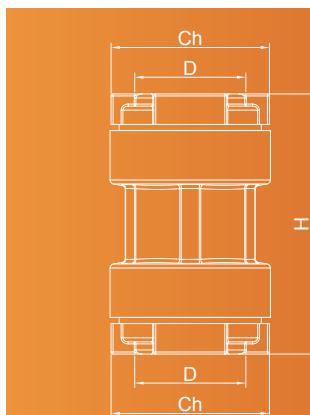
- 3 Tighten the locking nut.



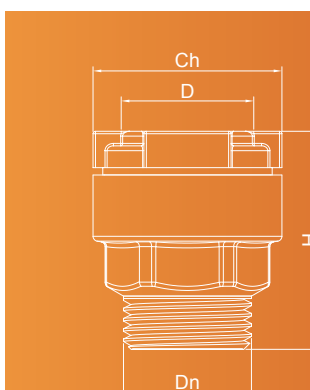
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0900.1
SLEEVE

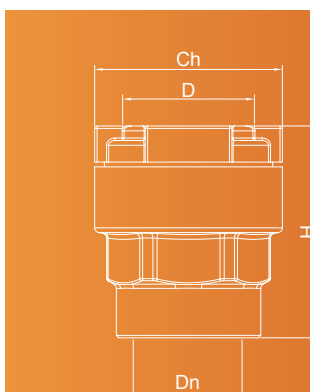
Code	D [mm]	H [mm]	Ch [mm]
0900.120	Ø22	57	33
0900.125	Ø28	64	39
0900.132	Ø35	73	46
0900.140	Ø43	91	58
0900.150	Ø49	102	70
0900.160	Ø61	111	82

0910.1
MALE

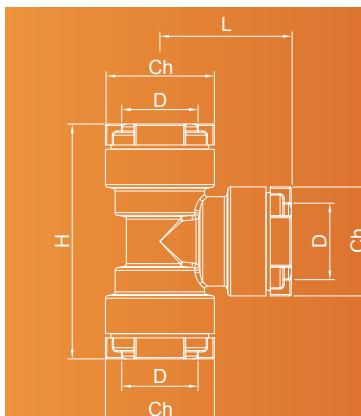
Code	Dn	D [mm]	H [mm]	Ch [mm]
0910.120	1/2"	Ø22	41	33
0910.125	3/4"	Ø28	46	39
0910.132	1"	Ø35	51	46
0910.140	1"1/4	Ø43	62	58
0910.150	1"1/2	Ø49	66	70
0910.160	2"	Ø61	75	82

0916.1
FEMALE

Code	Dn	D [mm]	H [mm]	Ch [mm]
0916.120	1/2"	Ø22	40	33
0916.125	3/4"	Ø28	45	39
0916.132	1"	Ø35	50	46
0916.140	1"1/4	Ø43	60	58
0916.150	1"1/2	Ø49	66	70
0916.160	2"	Ø61	73	82

0925.1
TE TUBE-TUBE

Code	D [mm]	L [mm]	H [mm]	Ch [mm]
0925.120	Ø22	40	74	33
0925.125	Ø28	47	84	39
0925.132	Ø35	55	100	46



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0975.6
REPAIR COUPLING

Code	D [mm]	H [mm]	Ch [mm]
0975.625	Ø27	121	39
0975.632	Ø34	130	46
0975.640	Ø42	148	58
0975.650	Ø49	148	70

