PRIMOFIT

Steel x Steel, galvanised

PRIMOFIT is a compression fitting which offers full end load capability. Additionally it allows a misalignment of the connected pipes up to 3° per compression joint. Compression fitting according to prEN 10344 for connection of galvanised steel pipes according to EN 10255 and EN 10220 with measurements according to ISO 65.

Pipe Specification

Steel/EN 10255 Steel/EN 10220-S1			Steel/EN 10220-S2/3*	
Dim. [inch]	**D** [mm]	**OD range** [mm]	**D** [mm]	**OD range** [mm]
⅜	17,2	16,7 - 17,5	-	-
½	21,3	21,0 - 21,8	20,0	19,5 - 20,5
¾	26,9	26,5 - 27,3	25,0	24,5 - 25,5
1	33,7	33,3 - 34,2	31,8	31,3 - 32,3
1 ¼	42,4	42,0 - 42,9	38,0	37,5 - 38,5
1 ½	48,3	47,9 - 48,8	44,5	44,0 - 45,0
2	60,3	59,7 - 60,8	51,0	50,5 - 51,5
			57,0	56,4 - 57,6
			63,5	62,9 - 64,1
2 ½	76,1	75,3 - 76,6	70,0	69,3 - 70,7
3	88,9	88,0 - 89,5	-	-
4	114,3	113,1 - 115,0	-	-

D … nominal outer diameter of the steel pipe

OD range ... outer diameter tolerance range of the steel pipe

* ... for pipe outer diameters according to EN 10220-series 2 and 3 Spare Packs are available (see page 17).

Applications

For the different applications please refer to the individual appropriate international, European or national application standards.

Seal	**Medium**	**max. working pressure** [bar]	**max. working temperature** [°C]
NBR	Gas [1]	10	-20 to +60
	Water	16	80 [2]
	Drinking Water [3]	16	35
	Compressed Air	16	80
	Oil	16	80
EPDM [4]	Water	16	40
FPM [5]	Fuels [6]	10	40
	Compressed Air	16	105/150 [7]

1 Natural Gas and LP Gas. For in-house (natural) gas installation please refer to the FIREJOINT products, the fire resistant version of PRIMOFIT.

2 80°C represent the capability of NBR. For heating water black surface is recommended.

3 Drinking Water:
For drinking water applications please refer to the National Regulations regarding metallic materials in contact with drinking water and to our recommendations given on page 41, remark no.3.

4 EPDM only as Spare Pack available, please note that they are discontinued items and available as long as our stock will last.

5 FPM-seals are not applicable for fresh (drinking) water installation and for the medium gas.

6 Unleaded and leaded petrol and diesel.

7 Georg Fischer has introduced a new FPM material, which can be used up to 150°C.
Until the replacement (stock clearings) of the current FPM material the corresponding operating temperature is given on the fitting instruction.

Materials

PRIMOFIT compression fitting body and nuts are made out of white heart malleable cast iron EN-GJMW-400-5 acc. to EN 1562, sealing materials as above.
Corrosion protection by hot dip galvanising according to prEN 10344.
Note: For below ground application (fitting is exposed directly to earth, sand etc.) additional corrosion protection has to be done by the installer (e.g. wrapping).

For details of general product information, jointing- and application-technique, pipe specification and fitting instruction see page 38 and following.