

WILLBRANDT Pipe Connector WRG Type 60

DN 20 - DN 200

Type 60 is an uncorrugated solid rubber pipe connector with vulcanised steel flanges. Its straight, uncorrugated passage means that it achieves very low flow resistance. Due to its design, it can only absorb slight surface vibration and insulate sound, but cannot be used as an expansion joint to absorb movement. It is made from EPDM rubber.

Type 60 is mainly used on pumps, machines and apparatus in building technology in order to absorb surface vibration and insulate sound. It can also be used to for a galvanic separation and to prevent damage to pipes made from different materials.



Bellow design	Smooth, cylindrical rubber body with vulcanised flange rings. The rubber-metal pipe connector is self-sealing (no additional seals required).	Flange version	Vulcanised steel flanges with threaded blind holes (drilled according to DIN PN 6 or PN 10).
Temperature/Pressure	100/110 °C at 10/6 bar	Approvals	TÜV certification according to DIN 4809 standard for heating systems.

Dimensions

DN	Length mm	Bellow WF* mm ²	Flange PN 6				Flange PN 10			
			ØD mm	ØPCD mm	Screw dimensions	Weight kg	ØD mm	ØPCD mm	Screw dimensions	Weight kg
20	70	300	90	65	4 x M10 x 25	1.0	105	75	4 x M12 x 30	1.8
25	70	300	100	75	4 x M10 x 25	1.5	115	85	4 x M12 x 30	2.2
32	70	800	120	90	4 x M12 x 30	2.2	140	100	4 x M16 x 30	3.3
40	70	1300	130	100	4 x M12 x 30	2.6	150	110	4 x M16 x 30	3.7
50	70	2000	140	110	4 x M12 x 30	2.8	165	125	4 x M16 x 30	4.2
65	70	3300	160	130	4 x M12 x 30	3.7	185	145	4 x M16 x 30	5.2
80	70	5000	190	150	4 x M16 x 35	5.2	200	160	8 x M16 x 35	5.7
100	70	7900	210	170	4 x M16 x 35	5.8	220	180	8 x M16 x 35	6.5
125	70	12300	240	200	8 x M16 x 35	6.9	250	210	8 x M20 x 40	8.1
150	70	17700	265	225	8 x M16 x 35	8.3	295	240	8 x M20 x 40	10.0
200	70 / 90	31400	-	-	-	-	340	295	8 x M20 x 45	14.7

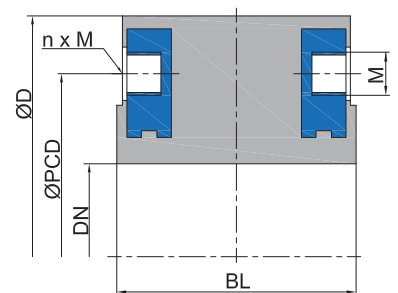
* WF = effective area

Important planning and installation instructions

Type 60 CANNOT absorb any axial, lateral or angular movement.

It is only suitable for insulating against high-frequency vibration and for a galvanic separation of two pipes.

It must be installed completely stress-free in the pipe. To do this, it is necessary to include the appropriate fixed points and plain bearings. When tightening the flange bolts, ensure that you use the criss-cross tightening sequence. The maximum tightening torque is 30 N/m. It should only be fitted using hexagon head bolts according to ISO 4017 and a washer. The correct bolt length must be used (see installation instructions).



Important information

For aggressive media, please see the resistance table (can be requested separately).

The bellows should not be painted or insulated. Please refer to the installation instructions.

Please note the appropriate fixed point constructions and plain bearings in your piping system!

For more information please refer to our installation instructions.

++++ We will be happy to send you further information on the individual types and designs. +++++