

# WILLBRANDT Pipe Connector Type 60 WRG

■ mainly in stock

## DN 20 to DN 200

Type 60 is a uncorrugated solid rubber pipe connector with vulcanised steel flanges. The straight, corrugation-free passage achieves a very low flow resistance. Due to its design, it can only dampen slight surface vibrations and noise, but cannot be used as an expansion joint to absorb movement. It is only manufactured in one rubber quality (EPDM).

Type 60 is mainly used in building technology for noise and surface vibration damping on pumps, machines and apparatus. It can also be used for galvanic separation of pipework made of various materials in order to prevent damage to them.



<b>Bellow design</b>	Smooth, cylindrical rubber body with vulcanised flange rings and tear-off protection. The rubber-metal pipe connector is self-sealing (no additional seals required).	<b>Flange version</b>	Vulcanised steel flanges with threaded blind holes (drilled according to DIN PN 6 or PN 10).
<b>Temperature/Pressure</b>	100/110 °C at 10/6 bar	<b>Approvals</b>	TÜV certification according to DIN 4809 standard for heating systems. (Detailed overview on page 5.)

## Dimensions

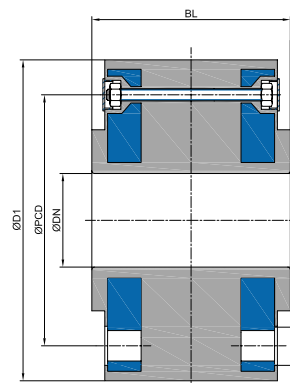
DN	Length mm	Bellow WF* mm <sup>2</sup>	Flange PN 6				Flange PN 10			
			ØD mm	ØPCD mm	Screw dimensions	Weight kg	ØD mm	ØPCD mm	Screw dimensions	Weight kg
20	70	300	90	65	4 x M10 x 35	1.0	105	75	4 x M12 x 35	1.8
25	70	300	100	75	4 x M10 x 35	1.5	115	85	4 x M12 x 35	2.2
32	70	800	120	90	4 x M12 x 35	2.2	140	100	4 x M16 x 35	3.3
40	70	1300	130	100	4 x M12 x 35	2.6	150	110	4 x M16 x 35	3.7
50	70	2000	140	110	4 x M12 x 40	2.8	165	125	4 x M16 x 40	4.2
65	70	3300	160	130	4 x M12 x 40	3.7	185	145	4 x M16 x 40	5.2
80	70	5000	190	150	4 x M16 x 40	5.2	200	160	8 x M16 x 40	5.7
100	70	7900	210	170	4 x M16 x 40	5.8	220	180	8 x M16 x 40	6.5
125	70	12300	240	200	8 x M16 x 40	6.9	250	210	8 x M16 x 40	8.1
150	70	17700	265	225	8 x M16 x 40	8.3	285	240	8 x M20 x 40	10.0
200	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 have the material resistance checked by our engineers. The bellows must not be painted or insulated at media temperatures >50 °C. Please note the appropriate fixed point constructions and plain bearings in your piping system. For more information please refer to our planning instructions.