

Straub Eco Grip Pipe Connectors

Economical - for use in lower temperature and pressure ranges.

The axial restraint STRAUB ECO GRIP is designed for use on metal pipes at low temperatures and pressures (up to Bar). As a result of its innovative, patented design it makes connecting plain-ended pipes even more economical, yet can still correct:

- axial misalignment
- angular deflection and
- pipe diameter differences (see below).

This ready-to-use coupling is removable and reusable, and due to its slim casing, even more space saving. STRAUB ECO GRIP is ideal for use where the requirements of the pipe system are low and appearance is also an important consideration, for example:

- service and control lines in the industrial sector or
- applications in plant engineering and process technology.

STRAUB ECO GRIP may also be used on plastic pipes such as PVC, ABS and CPVC.



Straub Eco Grip Pipe Connectors

Economical - for use in lower temperature and pressure ranges.

The axial restraint STRAUB ECO GRIP is designed for use on metal pipes at low temperatures and pressures (up to 6 Bar). As a result of its innovative, patented design it makes connecting plain-ended pipes even more economical, yet it can still correct:

- axial misalignment
- angular deflection and
- pipe diameter differences (see below).

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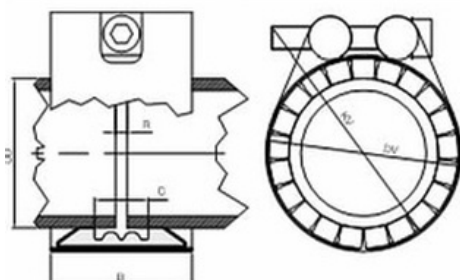
- service and control lines in the industrial sector or
- applications in plant engineering and process technology.

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Specifications STRAUB-ECO-GRIP® Ø 26.9 – 168.3 mm

Components	Materials
Casing	1.4310
Screws	1.7220 ^o
Bolts	1.0737, galvanised
Anchoring ring	1.4310
Strip insert (optional)	V4A
Sealing Sleeve EPDM	Temp.: -10°C to +40°C Medium: all qualities of water, wastewater, air, solids and chemical products



Pipe OD (mm)	Clamping range (mm)	Working pressure PS (bar)	Dimension				Setting gap between pipe ends R _{max}		Locking bolts		
			B (mm)	C (mm)	Braced		Without	With	Torque rate (Nm)	Allen head (mm)	Thread M ...
					DV (mm)	KV (mm)					
26.9	26.4 – 27.4	6	45	18	41	70	5	10	10	6	8
30.0	29.5 – 30.5	6	45	18	45	75	5	10	10	6	8
33.7	33.2 – 34.2	6	45	18	48	75	5	10	10	6	8
38.0	37.5 – 38.5	6	45	18	52	90	5	10	10	6	8
42.4	41.9 – 42.9	6	45	18	56	95	5	10	12	6	8
44.5	44.0 – 45.0	6	45	18	59	95	5	10	12	6	8
48.3	47.8 – 48.8	6	45	18	62	100	5	10	12	6	8
57.0	56.4 – 57.6	6	60	26	71	105	5	10	15	6	8
60.3	59.7 – 60.9	6	60	26	76	110	5	10	15	6	8
76.1	75.3 – 76.9	6	60	26	92	142	5	10	18	6	8
88.9	88.0 – 89.8	6	60	26	108	157	5	10	18	6	8
104.0	103.0 – 105.0	6	60	26	120	172	5	10	22	6	8
108.0	106.9 – 109.1	6	60	26	124	172	5	10	22	6	8
114.3	113.2 – 115.4	6	60	26	130	177	5	10	22	6	8
133.0	131.7 – 134.3	6	62	26	149	200	5	10	30	8	10
139.7	138.3 – 141.1	6	62	26	156	210	5	10	30	8	10
159.0	157.4 – 160.6	6	62	26	177	225	5	10	35	8	10
168.3	166.6 – 170.0	6	62	26	185	230	5	10	35	8	10

Legend:

- ^o Property class 12.9, Dacromet 500 (zinc-chromate with integrated lubricant).
- Test pressure = 1.5 x working pressure PS