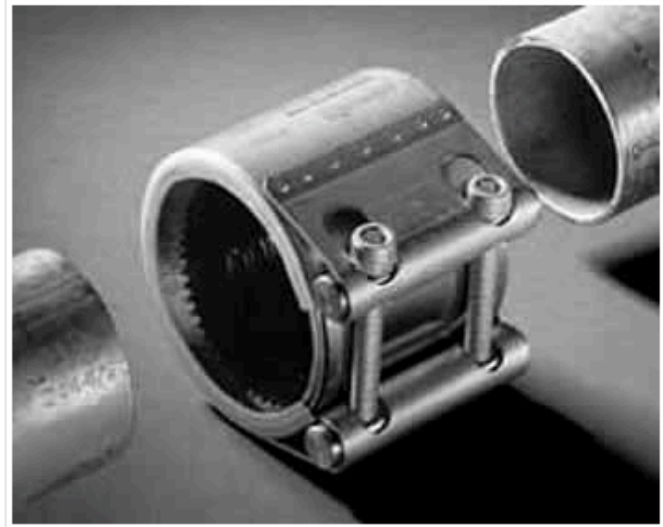


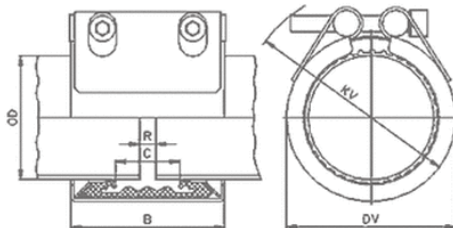
Straub Metal Grip Pipe Connectors

STRAUB Metal Grip \varnothing 30.0 - 219.1 mm and \varnothing 244.5 - 609.6 mm

The Straub Metal Grip is the ultimate axial restraint (pull-out resistant) pipe coupling for all plain-ended metal pipes, with outstanding performance.



Components / Materials	W1	W2	W4	W5 (on request)
Casing		AISI 304	AISI 304	
Bolts		AISI 4135	A4 - 80	
Bars		AISI 12 L 14, galvanised	AISI 304	
Anchoring rings		AISI 301	AISI 301	
Strip insert (option)		AISI 316 L / PVDF	AISI 316 L / PVDF	
Sealing sleeve	Temp.: -30°C up to +100°C			
EPDM	Medium: all qualities of water, waste water, air, solids and chemical products			
Sealing sleeve	Temp.: -20°C up to +80°C			
NBR	Medium: water, gas, oil, fuel and other hydrocarbons			
Sealing sleeve	Temp.: -20°C up to +125°C			
H-NBR (on request)	Medium: water, gas, oil, fuel and other hydrocarbons			



OD [mm]	Clamping range [mm]	PS [bar]	B [mm]	C [mm]	DV [mm]	KV [mm]	R without strip insert [mm]	R with strip insert [mm]	Torque rate [Nm]	Allen head [mm]	Thread M...
30.0	29.5 - 30.5	67.0	46/67	18	47	70	5	5	10	6	8
33.7	33.2 - 34.2	62.0	46/67	18	52	75	5	5	10	6	8
38.0	37.5 - 38.5	58.0	61	19	58	90	5	5-10	15	6	8
42.4	41.9 - 42.9	53.0	61	20	62	90	5	5-10	15	6	8
44.5	44.0 - 45.0	48.0	61	20	64	95	5	5-10	15	6	8
48.3	47.8 - 48.8	44.0	61	20	68	95	5	5-10	15	6	8
54.0	53.5 - 54.5	39.0	77	38	74	100	5	5-15	20	6	8
57.0	56.4 - 57.6	37.0	77	32	77	105	5-10	5-25	20	6	8
60.3	59.7 - 60.9	37.0	77	32	82	110	5-10	5-25	20	6	8
63.5	62.9 - 64.1	37.0	77	0	84	114	5-10	5-25	35	6	8
76.1	75.3 - 76.9	56.0	94	39	100	130	5-10	5-25	35	8	10
84.0	83.2 - 84.8	45.0	94	39	112	140	5-10	5-25	35	8	10
88.9	88.0 - 89.8	41.0	94	39	117	145	5-10	5-25	35	8	10
104.0	103.0 - 105.0	37.0	94	39	133	160	5-10	5-25	35	8	10
108.0	106.9 - 109.1	35.0	94	39	133	160	5-10	5-25	35	8	10
114.3	113.2 - 115.4	34.0	94	39	139	165	5-10	5-25	35	8	10
129.0	127.7 - 130.3	33.0	108	43	160	190	5-15	5-25	60	10	12
133.0	131.7 - 134.3	33.0	108	43	160	190	5-15	5-25	60	10	12
139.7	138.3 - 141.1	32.0	109	43	168	200	5-15	5-25	60	10	12
154.0	152.5 - 155.5	32.0	109	51	186	215	5-15	5-25	60	10	12
159.0	157.4 - 160.6	31.0	109	43	187	215	5-15	5-25	60	10	12
168.3	166.6 - 170.0	29.0	109	43	200	230	5-15	5-25	60	10	12
219.1	216.9 - 221.3	26.0	150	60	259	295	5-15	5-35	100	14	16

Remarks:

- Follow fitting / disassembly instructions
- PS = Working pressure considering the application loads
Test pressure = PS x 1.5 (for example industry, water supply etc.)
- The pressure values are valid on radial rigid carbon steel pipes under static loads
- For minimum wall-thickness of pipe, see page 54
- Strip inserts are required for special applications