

Straub Grip-L Pipe Connectors

The axial restraint pipe couplings for all plain-ended metal pipes and standard applications up to 100°C STRAUB GRIP-L is the light-weight standard pipe coupling range from STRAUB. It is suitable particularly for lighter pipes within the mid pressure range for:

- shipbuilding
- water and waste water treatment plants
- industrial process pipe-work and
- many other applications.

Whether pressure or suction lines, all piping systems are installed quickly, safely and economically with STRAUB GRIP-L.

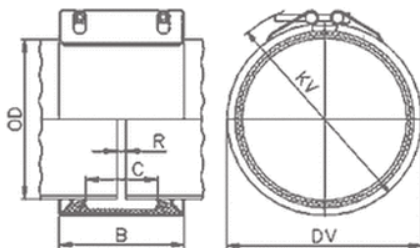
A special advantage is the light weight and the single bolt on the smaller diameters.

- Working pressure up to 46 bar
- Outside diameters 26.9 up to 609.6 mm
- Temperature range -20°C up to +100°C
- 100% Stainless Steel Construction



STRAUB-GRIP-L Ø 180.0 - 609.6 mm

Components / Materials	W1	W2	W4	W5
Casing		AISI 316 L / 316 TI		AISI 316 L / 316 TI
Bolts		AISI 4135		A4 - 80
Bars		AISI 12 L 14, galvanised		AISI 316 L
Anchoring rings		AISI 301		AISI 301
Strip insert (option)		AISI 316 L / HDPE		AISI 316 L / HDPE
Sealing sleeve EPDM	Temp.: -20°C up to +100°C Medium: all qualities of water, waste water, air, solids and chemical products			
Sealing sleeve NBR	Temp.: -20°C up to +80°C Medium: water, gas, oil, fuel and other hydrocarbons			
Sealing sleeve FPM / FKM	Temp.: -20°C up to +180°C Medium: ozone, oxygen, acids, gas, oil and fuel (only with strip insert)			



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...
180.0	178.0 - 182.0	16.0	141	80	205	255	5-10	5-35	50	10	12
193.7	192.0 - 195.5	16.0	141	80	224	270	5-10	5-35	50	10	12
200.0	198.0 - 202.0	15.0	141	80	230	275	5-10	5-35	50	10	12
204.0	202.0 - 206.0	14.0	141	80	234	280	5-10	5-35	50	10	12
206.0	204.0 - 208.0	14.0	141	80	234	280	5-10	5-35	50	10	12
244.5	242.0 - 247.0	9.0	141	80	275	320	5-10	5-35	50	10	12
250.0	247.5 - 252.5	9.0	141	80	280	325	5-10	5-35	50	10	12
254.0	251.5 - 256.5	9.0	141	80	284	325	5-10	5-35	50	10	12
256.0	253.5 - 258.5	9.0	141	80	284	325	5-10	5-35	50	10	12
267.0	264.5 - 269.5	8.0	141	80	297	340	5-10	5-35	50	10	12
273.0	270.5 - 275.5	7.0	141	80	303	345	5-10	5-35	60	10	12
304.0	301.0 - 307.0	6.0	141	80	334	375	5-10	5-35	60	10	12
306.0	303.0 - 309.0	6.0	141	80	334	375	5-10	5-35	60	10	12
323.9	320.5 - 327.0	5.0	141	80	354	395	5-10	5-35	60	10	12
355.6	352.0 - 359.0	4.0	141	80	386	425	5-10	5-35	60	10	12
406.4	402.5 - 410.5	3.0	141	80	436	470	5-10	5-35	60	10	12
457.2	452.5 - 461.5	2.0	141	80	487	520	5-10	5-35	60	10	12
508.0	503.5 - 512.5	2.0	141	80	538	570	5-10	5-35	60	10	12
558.8	554.5 - 563.5	2.0	141	80	589	620	5-10	5-35	60	10	12
609.6	605.5 - 614.0	1.0	141	80	640	670	5-10	5-35	60	10	12

STRAUB produces custom made couplings from 180.0 up to 609.6 mm

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

