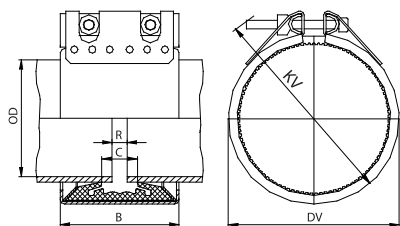


Specification STRAUB-GRIP-L Ø 26.9 – 219.1 mm

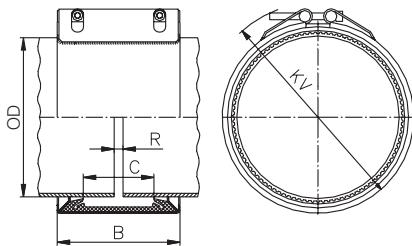
Components / Materials	W1	W2	W4	W5
Casing				AISI 316 Ti
Screws				AISI 316 L
U-bolts				AISI 316 Ti
Anchoring ring				AISI 301
Strip insert (option)				AISI 316 L / PVDF / HDPE
Sealing sleeve	Temp.: -20°C up to +80°C			
EPDM	Medium: all qualities of water, waste water, air solids and chemical products			
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 +180°C			
VITON A¹	Medium: ozone, oxygen, acids, gas, oil and fuel (only with strip insert)			



Pipe OD (mm)	Clamping range (mm)	Nominal pressure PN (bar)	Working pressure PS (bar)	Dimensional data				Setting gap between pipe ends R		Locking bolts		
				B (mm)	C (mm)	DV (mm)	KV (mm)	without strip insert (mm)	with strip insert (mm)	torque rate (Nm)	allen head (mm)	thread M...
26.9	26.4 - 27.4	16	46	46	19	43	70	5	5	7.5	5	6
30.0	29.5 - 30.5	16	42	46	17	47	75	5	5	7.5	5	6
33.7	33.2 - 34.2	16	38	46	17	51	75	5	5	7.5	5	6
38.0	37.5 - 38.5	16	33	61	25	57	90	5	5 - 10	15	6	8
42.4	41.9 - 42.9	16	30	61	25	62	95	5	5 - 10	15	6	8
44.5	44.0 - 45.0	16	33	61	25	64	95	5	5 - 10	15	6	8
48.3¹	47.8 - 48.8	16	30	61	25	67	100	5	5 - 10	15	6	8
54.0	53.5 - 54.5	16	20	76	37	76	105	5 - 10	5 - 15	15	6	8
57.0	56.4 - 57.6	16	18	76	37	76	105	5 - 10	5 - 15	15	6	8
60.3¹	59.7 - 60.9	16	22	76	37	79	110	5 - 10	5 - 15	15	6	8
66.6	64.9 - 67.3	16	34	95	35	87	126	5 - 10	5 - 15	20	6	8
70.0	68.9 - 70.7	16	32	95	36	92	131	5 - 10	5 - 15	20	6	8
73.0¹	72.3 - 73.7	16	31	95	41	96	142	5 - 10	5 - 25	20	6	8
76.1¹	75.3 - 76.9	16	31	95	41	98	142	5 - 10	5 - 25	20	6	8
79.5	78.7 - 80.3	16	28	95	35	100	142	5 - 10	5 - 15	20	6	8
84.0	83.2 - 84.8	16	26	95	35	112	152	5 - 10	5 - 15	20	6	8
88.9¹	88.0 - 89.8	16	22	95	41	111	157	5 - 10	5 - 25	20	6	8
100.6	99.6 - 101.6	16	22	95	35	129	172	5 - 10	5 - 15	25	6	8
101.6	100.6 - 102.6	16	22	95	35	130	172	5 - 10	5 - 15	25	6	8
104.0	103.0 - 105.0	16	22	95	35	132	172	5 - 10	5 - 15	25	6	8
104.8	103.8 - 105.8	16	22	95	35	133	172	5 - 10	5 - 15	25	6	8
108.0	106.9 - 109.1	16	21	95	41	130	172	5 - 10	5 - 25	25	6	8
114.3¹	113.2 - 115.4	16	16	95	41	136	177	5 - 10	5 - 25	25	6	8
127.0	125.7 - 128.3	16	19	110	54	151	195	5 - 10	5 - 35	40	8	10
129.0	127.7 - 130.3	16	19	110	54	153	195	5 - 10	5 - 35	40	8	10
130.2	128.9 - 131.5	16	19	110	54	154	200	5 - 10	5 - 35	40	8	10
133.0	131.7 - 134.3	16	19	110	54	157	200	5 - 10	5 - 35	40	8	10
139.7	138.3 - 141.1	16	16	110	54	164	210	5 - 10	5 - 35	40	8	10
141.3	139.9 - 142.7	16	16	110	54	166	210	5 - 10	5 - 35	40	8	10
154.0	152.5 - 155.5	13	16	110	48	184	225	5 - 10	5 - 30	40	8	10
159.0	157.4 - 160.6	13	16	110	54	183	225	5 - 10	5 - 35	40	8	10
168.3	166.6 - 170.0	13	16	110	54	192	230	5 - 10	5 - 35	40	8	10
219.1	216.9 - 221.3	10	16	142	80	250	295	5 - 10	5 - 35	60	10	12

Specification STRAUB-GRIP-L Ø 180.0 – 609.6 mm

Components / Materials	W1	W2	W4	W5
Casing		AISI 304/316 Ti		AISI 316 Ti
Screws		AISI 4135 ^o		AISI 316 L
Bolts		AISI 12L 14, galvanized		AISI 316 L
Anchoring ring		AISI 301		AISI 301
Strip insert (option)		AISI 316 L / HDPE		AISI 316 L / HDPE
Sealing sleeve EPDM	Temp.: -20°C up to +80°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 VITON A¹	Temp.: -20°C up to +180°C Medien: Medium: ozone, oxygen, acids, gas, oil and fuel (only with strip insert)			



Pipe OD (mm)	Clamping range (mm)	Nominal pressure PN (bar)	Working pressure PS (bar)	Dimensional data				Setting gap between pipe ends R		Locking bolts		
				B (mm)	C (mm)	DV (mm)	KV (mm)	without strip insert (mm)	with strip insert (mm)	torque rate (Nm)	allen head (mm)	thread M...
180.0	178.0 - 182.0	10	16	141	80	205	255	5 - 10	5 - 35	50	10	12
193.7	192.0 - 195.5	10	16	141	80	224	270			50	10	12
200.0	198.0 - 202.0	10	15	141	80	230	275			50	10	12
204.0	202.0 - 206.0	10	14	141	80	234	280			50	10	12
206.0 ³	204.0 - 208.0	10	14	141	80	234	280			50	10	12
244.5	242.0 - 247.0	5.5	9	141	80	275	320			50	10	12
250.0	247.5 - 252.5	5.5	9	141	80	280	325			50	10	12
254.0	251.5 - 256.5	5.5	9	141	80	284	325			50	10	12
256.0 ³	253.5 - 258.5	5.5	9	141	80	284	325			50	10	12
267.0	264.5 - 269.5	5	8	141	80	297	340			50	10	12
273.0	270.5 - 275.5	4	7	141	80	303	345			60	10	12
304.0	301.0 - 307.0	4	6	141	80	334	375			60	10	12
306.0 ³	303.0 - 309.0	4	6	141	80	334	375			60	10	12
323.9	320.5 - 327.0	3	5	141	80	354	395			70	10	12
355.6	352.0 - 359.0	2.5	4	141	80	386	425			70	10	12
406.4	402.5 - 410.5	2	3	141	80	436	470			70	10	12
457.2	452.5 - 461.5	–	2	141	80	487	520			70	10	12
508.0	503.5 - 512.5	–	2	141	80	538	570			70	10	12
558.8	554.5 - 563.5	–	2	141	80	589	620			70	10	12
609.6	605.5 - 614.0	–	1	141	80	640	670			70	10	12

Legend:

- W1–W5 according to DIN Standard 86128 (ASTM F1476 / F1548, ISO/NP-15837 / 15838).
- PS: Working pressure considering the application loads.
- PN: Nominal pressure, includes four times safety factor, for applications that require authorisation of classification societies (e.g. ABS, DNV, etc.).
- ^o Property class 12.9, Dacromet 500 (zinc-chromate with integrated lubricant).
- ³ Standard pipe dimension for stainless steel (outer diameter related to the wall thickness). For minimum wall-thickness of pipe see p. 27 or contact factory.

Remarks:

- OD 26.9–60.3 mm with one screw.
- Follow fitting / disassembly instructions.
- Test pressure = 1,5 x PN / PS.
- Weight of the pipe couplings see separate packing specifications.
- Strip insert is required when gap between pipe ends is excessive, in presence of swelling, elevated temperatures, vacuum/depression (suction line), or external pressure (see p. 26). Strip inserts are available, under separate order, at additional costs.
- The pressure values are valid on radial rigid carbon steel pipes under static loads.