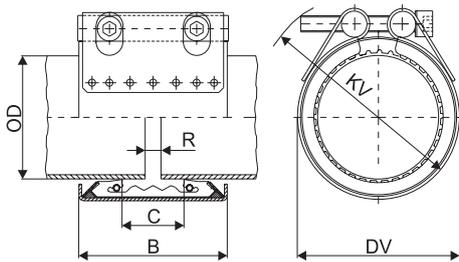


**Specification STRAUB-METAL-GRIP Ø 30.0 – 219.1 mm**

Components / Materials	W1	W2	W4	W5 (to special order)
Casing		AISI 304	AISI 304	
Screws		AISI 4135 <sup>o</sup>	AISI 316	
Bolts		AISI 12L 14, galvanized	AISI 304	
Anchoring ring		AISI 301	AISI 301	
Strip insert (option)		AISI 316 L / PVDF	AISI 316 L / PVDF	
Sealing sleeve	Temp.: -30°C up to +100°C			
<b>EPDM</b>	Medium: all qualities of water, waste water, air, solids and chemical products			
Sealing sleeve	Temp.: -20°C up to +80°C			
<b>NBR</b>	Medium: water, gas, oil, fuel and other hydrocarbons			



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	with strip insert	torque rate (Nm)	allen head (mm)	thread M...
30.0	29.5 - 30.5	16	67					46/67	18			
33.7	33.2 - 34.2	16	62	46/67	18	52	75	5	5 - 15	10	6	8
38.0	37.5 - 38.5	16	58	61	19	58	90	5	5 - 15	15	6	8
42.4	41.9 - 42.9	16	53	61	20	62	90	5	5 - 15	15	6	8
44.5	44.0 - 45.0	16	48	61	20	64	95	5	5 - 15	15	6	8
48.3	47.8 - 48.8	16	44	61	20	68	95	5	5 - 15	15	6	8
54.0	53.5 - 54.5	16	39	77	38	74	100	5	5 - 15	20	6	8
57.0	56.4 - 57.6	16	37	77	32	77	105	5 - 10	5 - 25	20	6	8
60.3	59.7 - 60.9	16	37	77	32	82	110	5 - 10	5 - 25	20	6	8
63.5	62.9 - 64.1	16	37	77	32	84	114	5 - 10	5 - 25	20	6	8
76.1	75.3 - 76.9	16	56	94	39	100	130	5 - 10	5 - 25	35	8	10
84.0	83.2 - 84.8	16	45	94	39	112	140	5 - 10	5 - 25	35	8	10
88.9	88.0 - 89.8	16	41	94	39	117	145	5 - 10	5 - 25	35	8	10
104.0	103.0 - 105.0	16	37	94	39	133	160	5 - 10	5 - 25	35	8	10
108.0	106.9 - 109.1	16	35	94	39	133	160	5 - 10	5 - 25	35	8	10
114.3	113.2 - 115.4	16	34	94	39	139	165	5 - 10	5 - 25	35	8	10
129.0	127.7 - 130.3	16	33	108	51	160	190	5 - 15	5 - 35	60	10	12
133.0	131.7 - 134.3	16	33	108	43	160	190	5 - 15	5 - 30	60	10	12
139.7	138.3 - 141.1	16	32	109	43	168	200	5 - 15	5 - 30	60	10	12
154.0	152.5 - 155.5	16	32	109	51	186	215	5 - 15	5 - 35	60	10	12
159.0	157.4 - 160.6	16	31	109	43	187	215	5 - 15	5 - 30	60	10	12
168.3	166.6 - 170.0	16	29	109	43	200	230	5 - 15	5 - 30	60	10	12
219.1	216.9 - 221.3	16	26	150	60	259	295	5 - 15	5 - 35	100	14	16

**Legend:**

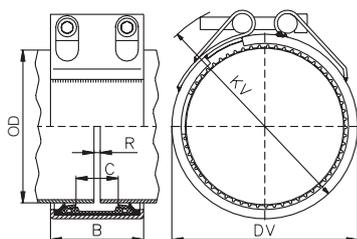
- W1-W5 according to DIN Standard 86128 (ASTM F1476 / F1548, ISO/NP-15837 / 15838).
- PS: Working pressure considering the application loads. Contact factory for higher working pressure.
- PN: Nominal pressure, includes four times safety factor, for applications that require authorisation of classification societies (e.g. ABS, DNV, etc.).
- <sup>o</sup> Property class 12.9, Dacromet 500 (zinc-chromate with integrated lubricant).

**Remarks:**

- Follow fitting / disassembly instructions.
- Test pressure = 1,5 x PN / PS.
- The pressure values are valid on radial rigid carbon steel pipes under static loads (for minimum wall-thickness of pipe see p. 27 or contact factory).
- 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.

## Specification STRAUB-METAL-GRIP Ø 244.5 – 609.6 mm

Components / Materials	W1	W2	W4	W5
Casing	AISI 1024, hot-dip galv.			
Screws	AISI 4135 <sup>o</sup>			
Bolts	AISI 12L 14, galvanized			
Anchoring ring	AISI 301			
Strip insert (option)	AISI 316 L / PVDF			
Sealing sleeve	Temp.: -20°C up to +80°C			
<b>EPDM</b>	Medium: all qualities of water, waste water, air, solids and chemical products			
Sealing sleeve	Temp.: -20°C up to +80°C			
<b>NBR</b>	Medium: water, gas, oil, fuel and other hydrocarbons			



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)	Gewinde thread
244.5	242.0 - 247.0	14	27	148	67	290	345	5 - 15	5 - 35	180	17	20
267.0	264.5 - 269.5	12	24	148	67	312	365			180	17	20
273.0	270.5 - 275.5	12	21	148	67	318	370			180	17	20
323.9	320.5 - 327.0	10	18	148	67	369	420			230	17	20
355.6	352.0 - 359.0	8	17	148	67	401	450			230	17	20
406.4	402.5 - 410.5	8	14	148	67	451	500			230	17	20
457.2	452.5 - 462.0	6	8	148	67	502	550			250	17	20
508.0	503.0 - 513.0	5	6	148	67	553	600			250	17	20
558.8	554.0 - 564.0	4.5	6	148	67	604	650			300	17	20
609.6	604.5 - 614.5	4	5	148	67	655	700			300	17	20

### Legend:

- W1-W5 according to DIN Standard 86128 (ASTM F1476 / F1548, ISO/NP-15837 / 15838).
- PS: Working pressure considering the application loads. Contact factory for higher working pressure.
- PN: Nominal pressure, includes four times safety factor, for applications that require authorisation of classification societies (e.g. ABS, DNV, etc.).
- <sup>o</sup> Property class 12.9, Dacromet 500 (zinc-chromate with integrated lubricant).

### Remarks:

- Follow fitting / disassembly instructions.
- Test pressure = 1,5 x PN / PS.
- The pressure values are valid on radial rigid carbon steel pipes under static loads (for minimum wall-thickness of pipe see p. 26 or contact factory).
- 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.