

STRAUB-FLEX

All pipe materials can be reliably connected with STRAUB-FLEX couplings. STRAUB-FLEX pipe couplings enable pipe connections for practically all conceivable pipe diameters, for the same or different types of pipe materials, various media and temperatures as well as for a wide range of the operating pressure values. The sealing sleeve separates the coupling casing from the pipe surface so that sound, vibrations and oscillations are optimally damped.



FLEX 1 ø 48.3 - 168.3 mm

adMm	Clamping range [mm]	PN industry [bar]	PN shipbuilding [bar]	B [mm]	DV [mm]	C (mm)	X [mm]	R without strip insert [mm]	R with strip insert [mm]	Torque rate [Nm]					
48.3	47.0 - 50.0	25	16	75	70	35	83	5	42125	7.5	-	-	-	-	-
54	52.5 - 55.5	25	16	75	76	35	88	5	42125	7.5	-	-	-	-	-
57	55.5 - 58.5	25	16	75	79	35	94	5	42125	7.5	-	-	-	-	-
60.3	59.0 - 63.0	25	16	75	82	35	95	5	42125	7.5	-	-	-	-	-
70	69.5 - 71.0	25	16	94	95	51	112	5	45778	7.5	-	-	-	-	-
73	71.5 - 75.0	25	16	94	95	51	112	5	45778	7.5	-	-	-	-	-
76.1	74.5 - 77.5	25	16	94	98	51	119	5	45778	7.5	-	-	-	-	-
80	79.5 - 81.5	25	16	94	106	51	127	5	45778	7.5	-	-	-	-	-
84	82.5 - 85.5	25	16	94	106	51	127	5	45778	7.5	-	-	-	-	-
88.9	87.5 - 90.5	25	16	94	111	51	132	5	45778	7.5	-	-	-	-	-
100.6	99.0 - 102.5	25	16	94	123	51	145	5	45778	7.5	-	-	-	-	-
101.6	100.0 - 103.5	25	16	94	124	51	145	5	45778	7.5	-	-	-	-	-
104	102.5 - 105.5	20	16	94	126	51	146	5	45778	7.5	-	-	-	-	-
104.8	103.0 - 106.5	20	16	94	127	51	146	5	45778	7.5	-	-	-	-	-
108	106.5 - 110.0	20	16	94	130	51	151	5	45778	7.5	-	-	-	-	-

STRAUB-FLEX

adMm	Clamping range [mm]	PN industry [bar]	PN shipbuilding [bar]	B [mm]	DV [mm]	C (mm)	X [mm]	R without strip insert [mm]	R with strip insert [mm]	Torque rate [Nm]					
114.3	112.5 - 116.0	20	16	94	136	51	160	5	45778	7.5	-	-	-	-	-
127	125.0 - 129.0	20	16	107	149	62	168	5	12905	10	-	-	-	-	-
129	127.0 - 131.0	20	16	107	151	62	170	5	12905	10	-	-	-	-	-
130.2	128.5 - 132.0	20	16	107	152	62	170	5	12905	10	-	-	-	-	-
133	131.0 - 135.0	16	16	107	155	62	174	5	12905	10	-	-	-	-	-
139.7	138.0 - 141.5	16	16	107	162	62	180	5	12905	10	-	-	-	-	-
141.3	139.5 - 143.0	16	16	107	163	62	182	5	12905	10	-	-	-	-	-
154	152.0 - 156.0	16	16	107	176	62	198	5	12905	10	-	-	-	-	-
159	157.0 - 161.0	16	16	107	181	62	203	5	12905	10	-	-	-	-	-
168.3	166.0 - 170.5	16	16	107	190	62	212	5	12905	10	-	-	-	-	-

FLEX 2 ø 172.0 - 2032.0 mm

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5									
172	170 - 174	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	-	-
180	178 - 182	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W2 W5
200	198 - 202	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W2 W5
219.1	217 - 222	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W2 W5
250	248 - 253	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W2 W5
267	264 - 270	-	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W2 W5
273	270 - 276	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W2 W5
304	301 - 307	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5
323.9	321 - 327	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5

STRAUB-FLEX

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5										
355.6	353 - 358	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5
406.4	404 - 409	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5
457.2	454 - 460	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5
508	505 - 511	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5
558.8	556 - 562	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1
609.6	606 - 613	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1
711.2	708 - 715	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1	W1
762	758 - 766	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1	W1
812.8	809 - 817	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1	-
914.4	910 - 918	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1	W1	-
1016	1012 - 1020	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1	W1	-
1117.6	1114 - 1122	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1	-	-
1219.2	1215 - 1224	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1	-	-
1320.8	1316 - 1325	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	W1	-	-
1422.4	1418 - 1427	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	W1	-	-

STRAUB-FLEX

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5									
1524	1519 - 1529	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	W1	-	-
1600	1595 - 1605	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1625.6	1621 - 1631	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1727.2	1722 - 1732	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1828.8	1824 - 1834	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1930.4	1925 - 1935	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
2032	2027 - 2037	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-

FLEX 3 ø 219.1 - 2032.0 mm

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5									
219.1	216 - 222	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	-	-
250	247 - 253	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W1 W5	W1 W5
267	264 - 270	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W1 W5	W1 W5
273	270 - 276	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W1 W5	W1 W5
304	301 - 307	-	-	-	-	-	-	-	-	-	W2 W5	W2 W5	W2 W5	W2 W5	W1 W5	W1 W5
323.9	321 - 327	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5
355.6	352 - 358	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5

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adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5										
406.4	403 - 409	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5
457.2	454 - 460	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5
508	504 - 512	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5	W1 W5*
558.8	555 - 562	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5	W1 W5*
609.6	606 - 613	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5	W1 W5*
711.2	707 - 715	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*
762	758 - 766	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*
812.8	809 - 817	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*
914.4	910 - 918	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*	W1 W5*
1016	1012 - 1020	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*	W1*
1117.6	1113 - 1122	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1 W5*	W1*
1219.2	1215 - 1224	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1*	W1*
1320.8	1316 - 1325	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5	W1 W5*	W1*	W1*
1422.4	1418 - 1427	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5*	W1 W5*	W1*	-
1524	1519 - 1529	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5*	W1*	W1*	-

STRAUB-FLEX

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5										
1600	1595 - 1605	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5*	W1*	W1*	-
1625.6	1621 - 1631	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1 W5*	W1*	W1*	-
1727.2	1722 - 1732	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1828.8	1824 - 1834	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
1930.4	1925 - 1935	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-
2032	2027 - 2037	-	-	-	-	-	-	-	-	-	-	W1 W2 W5	W1 W5	W1	-	-	-

FLEX 3.5 ø 323.9 - 1219.2 mm

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5										
323.9	320 - 327	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
355.6	352 - 359	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
406.4	402 - 410	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
457.2	453 - 461	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
508	504 - 512	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
558.8	555 - 563	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W5*
609.6	605 - 614	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W5*
655	651 - 659	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
711.2	707 - 715	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
762	758 - 766	-	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*

STRAUB-FLEX

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5									
812.8	809 - 817	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
914.4	910 - 918	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W5*	W5*	W5*
1016	1011 - 1021	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W5*	W5*	-
1117.6	1112 - 1123	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W5*	W5*	-
1219.2	1214 - 1224	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W5*	-	-

FLEX 4 ø 323.9 - 812.8 mm

adMm	Clamping range [mm]	PN Industry [bar] 25	PN Industry [bar] 6	PN Industry [bar] 10	PN Industry [bar] 16	PN Industry [bar] 20	PN Industry [bar] 2.5									
323.9	320 - 327	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
355.6	352 - 359	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
406.4	403 - 409	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
457.2	454 - 460	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5
508	505 - 512	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5*
558.8	555 - 562	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W5*
609.6	606 - 613	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W1 W5	W5*
655	652 - 658	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
711.2	707 - 715	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
762	758 - 766	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*
812.8	809 - 817	-	-	-	-	-	-	-	-	-	W1 W5	W1 W5	W1 W5	W1 W5	W5*	W5*