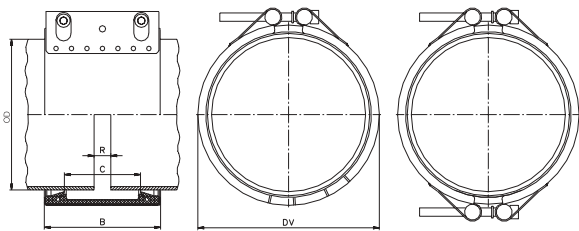


Specification STRAUB-OPEN-FLEX 2 Ø 180.0 – 1219.2 mm

Components / Materials	W1	W2	W4	W5
Casing	AISI 1024, hot-dip galv.	AISI 304/316 Ti		AISI 316 Ti
Screws	AISI 4135 ⁰	AISI 4135 ⁰		AISI 316 L
Bolts	AISI 12L 14, galvanized	AISI 12L 14, galvanized		AISI 316 L
Strip insert (option)	AISI 316 L / HDPE	AISI 316 L / HDPE		AISI 316 L / 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			

L-, LS-, and LU-version in W2 or W5. H-version in W1.



DV = Outside diameter of the braced pipe coupling = OD + 27 mm
 B = Width of the pipe coupling
 OPEN-FLEX 2L = 138 mm
 OPEN-FLEX 2LS = 139 mm
 OPEN-FLEX 2LU = 141 mm
 OPEN-FLEX 2H = 142 mm
 C = Distance between sealing lips = 91 mm
 B_{max.} = Setting gap between pipe ends
 with strip insert = 35 mm
 without strip insert = 10 mm

Pipe OD (mm)	Clamping range (mm)	Working pressure				Torque rate				Locking bolts	
		L PS (bar)	LS PS (bar)	LU PS (bar)	H PS (bar)	L (Nm)	LS (Nm)	LU (Nm)	H (Nm)	L/LS LU/ H	L/LS LU/ H
180.0	178 - 182	12.0	16.0	-	-	10	15	-	-		
200.0	198 - 202	11.0	15.0	-	-	10	15	-	-		
219.1	217 - 222	10.0	13.5	16.0 ²	-	10	15	30	-		
250.0	248 - 253	9.0	12.0	16.0 ²	-	10	15	30	-		
267.0	264 - 270	8.0	11.0	16.0 ²	-	15	15	30	-		
273.0	270 - 276	8.0	11.0	16.0 ²	16.0 ²	15	15	30	30		
304.0	301 - 307	7.0	10.0	16.0 ²	16.0 ²	15	20	30	30		
323.9	321 - 327	7.0	9.5	16.0 ²	16.0 ²	15	20	30	30		
355.6	353 - 358	6.0	8.5	16.0 ²	16.0 ²	15	20	30	30		
406.4	404 - 409	5.5	7.5	15.0 ²	16.0 ²	20	20	30	40	2	2 (4 ²)
457.2	454 - 460	5.0	6.5	13.0 ²	16.0 ²	20	20	40	40	x M10	x M12
508.0	505 - 511	4.5	6.0	10.0 ²	16.0 ²	20	25	40	40	with	with
558.8	556 - 562	4.0	5.5	9.0	16.0 ²	25	25	40	50	socket head	socket head
609.6	606 - 613	3.5	5.0	8.0	14.0 ²	25	25	40	50	8 mm	10 mm
711.2	707 - 715	-	4.0	7.0	12.0 ²	-	30	50	50		
762.0	758 - 766	-	4.0	6.5	12.0 ²	-	30	50	60		
812.8	809 - 817	-	3.5	6.0	11.0 ²	-	30	50	60		
914.4	910 - 918	-	3.5	5.5	10.0 ²	-	35	60	60		
1016.0	1012 - 1020	-	3.0	5.0	9.0 ²	-	35	60	70		
1117.6	1114 - 1122	-	2.5	4.5	8.0 ²	-	40	70	70		
1219.2	1215 - 1223	-	2.5	4.0	7.0 ²	-	40	70	80		

Available for all pipe sizes from 180 up to 1219 mm

Legend:

- W1-W5 according to DIN Standard 86128 (ASTM F1476 / F1548, ISO/NP-15837 / 15838).

⁰ Property class 12.9, Dacromet 500 (zinc-chromate with integrated lubricant).

² Casing in two halves.

Remarks:

- Follow fitting / disassembly instructions.

- Test pressure = 1,5 x PS.

- **Admissible maximum axial movement of the pipes: 10 mm.**

- Weight of the repair clamps see separate packing specifications.

- Strip insert is required when gap between pipe ends is excessive, in presence of swelling, vacuum/depression (suction line), or external pressure.
 Strip inserts are available, under separate order, at additional costs.