

Data sheet STRAUB-FLEX 3

Pipe joint without axial restraining for all pipe materials

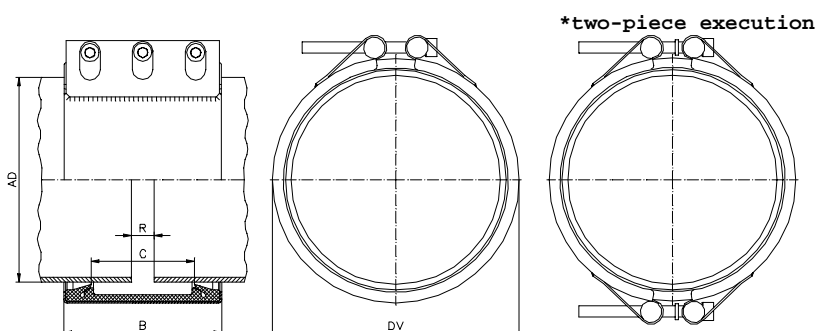
Materials	W1	W2	W4	W5
Components				
Casing	AISI 1024, hot-dip galv.	AISI 316 Ti		AISI 316 Ti
Screws	AISI 4135**	AISI 4135**		AISI 316 L
Bolts	AISI 12L 14, galvanized	AISI 12L 14, galvanized		AISI 316 L
Strip insert (option)	AISI 316 L	AISI 316 L		AISI 316 L
Sealing sleeve EPDM	Temp.: -20°C up to +80°C 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			
Chemical resistance of sealing sleeve on request.				
LS-version in W2 or W5. H- and X-version in W1.				

DV = Outside diameter of the assembled pipe joint (mm) = AD + 38mm

B = Width of the pipe joint (mm)
 FLEX 3LS = 210mm
 FLEX 3H = 212mm
 FLEX 3X = 218mm

C = Distance between sealing lips = 127 mm

R_{max.} = Distance between pipe ends
 R_{max.} with strip insert = 60 mm
 R_{max.} without strip insert = 15 mm



AD (mm)	Clamping range (mm)	Working pressure			Torque rate			Locking bolts		
		Flex 3			Flex 3			Flex 3		
		LS/LS* PB _{min} (bar)	H/H* PB _{min} (bar)	X***	LS/LS* (Nm)	H/H* (Nm)	X (Nm)	L/LS*	H/H*	X
558.8	555 - 562	7.0	19.0	25	40	40	90	3 (6*) x M 12 with socket head 10 mm	3 (6*) x M 16 with socket head 14 mm	3 x M 20 with socket head 17 mm
609.6	606 - 613	6.5	17.0	25	40	60	90			
711.2	707 - 715	5.5	15.0	25	40	60	90			
762.0	758 - 766	5.0	14.0	25	40	60	90			
812.8	809 - 817	5.0	13.0	25	50	60	110			
914.4	910 - 918	4.5	11.5	23	50	80	110			
1016.0	1012 - 1020	4.0	10.5	20	50	80	125			
1117.6	1113 - 1122	3.5	9.5	18	50	80	125			
1219.2	1215 - 1224	3.5/3.5*	8.5/8.5*	17	50/50*	100/80*	140			
1320.8	1316 - 1325	3.0/3.0*	8.0/8.0*	16	60/50*	100/80*	140			
1422.4	1418 - 1427	3.0/3.0*	7.5/7.5*	15	60/60*	100/80*	160			
1524.0	1519 - 1529	2.5/2.5*	7.0/7.0*	14	60/60*	100/80*	160			
1625.6	1621 - 1631	2.5/2.5*	6.5/6.5*	13	60/60*	120/100*	180			
1727.2	1722 - 1732	2.5/2.5*	6.0/6.0*	12	60/60*	120/100*	180			
1828.8	1824 - 1834	2.0/2.0*	5.5/5.5*	11	70/70*	120/100*	200			
1930.4	1925 - 1935	2.0/2.0*	5.5/5.5*	11	70/70*	140/100*	200			
2032.0	2027 - 2037	2.0/2.0*	5.0/5.0*	10	70/70*	140/100*	220			

Available for pipe sizes from 558 up to 2032 mm

Right of alteration reserved.

Legend: - W1 - W5 according to DIN Standard 86128 (ASTM F 1476 / F1548, ISO/NP-15837 / 15838).

*** on request

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

* Casing in two-piece execution

Remarks: - Follow fitting / disassembly instructions.

- Admissible **maximum axial movement** of the pipes Δl : 15 mm.

- Weight of the pipe joints see packing specifications.

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

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