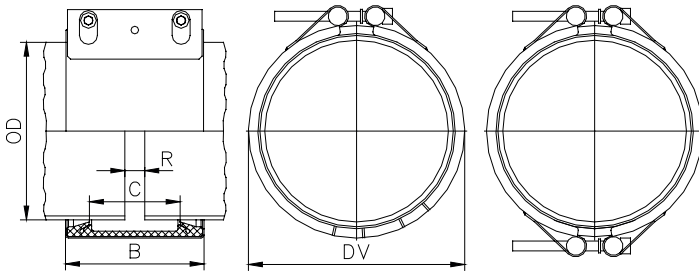


# STRAUB-OPEN-FLEX 2 Ø 172.0 - 2032.0 mm

Components / Materials	W1	W2	W4 (only for L-version)	W5
Casing	AISI A106, hot-dip galv.	AISI 316 L / 316 TI	AISI 304	AISI 316 L / 316 TI / S32101 (LDX)
Bolts	AISI 4135	AISI 4135	AISI 316 L	A4 - 80
Bars	AISI 12 L 14, galvanised	AISI 12 L 14, galvanised	AISI 316 L	AISI 316 L
Strip insert (option)	AISI 316 L / HDPE	AISI 316 L / HDPE	AISI 316 L / HDPE	AISI 316 L / HDPE
<b>Sealing sleeve</b>	Temp.: -20°C up to +100°C			
<b>EPDM</b>	Medium: all qualities of water, waste water, air, solids and chemical products			
<b>Sealing sleeve</b>	Temp.: -20°C up to +80°C			
<b>NBR</b>	Medium: water, gas, oil, fuel and other hydrocarbons			
<b>Sealing sleeve</b>	Temp.: -20°C up to +180°C			
<b>FPM / FKM</b>	Medium: ozone, oxygen, acids, gas, oil and fuel (only with strip insert)			



- B Width of pipe coupling:  
 OPEN-FLEX 2 L = 138 mm  
 OPEN-FLEX 2 LS = 139 mm  
 OPEN-FLEX 2 LU = 141 mm  
 OPEN-FLEX 2 LV = 141 mm  
 OPEN-FLEX 2 H = 142 mm  
 OPEN-FLEX 2 XS = 148 mm
- DV Outside diameter of the coupling installed = OD+27 mm  
 C Distance between sealing lips = 91 mm  
 R<sub>max</sub> Distance between pipe ends with strip insert = 35 mm  
 Distance between pipe ends without strip insert = 10 mm

Pipe OD [mm]	Clamping range [mm]	Working pressure PS [bar]						Torque rate [Nm]						
		L	LS	LU	LV (LDX)	H	XS	L	LS	LU	LV (LDX)	H	XS	
172.0	170 - 174	13.0 <sup>4</sup>						10						
180.0	178 - 182	12.0 <sup>4</sup>	16.5 <sup>4</sup>	25.0				10	15	30				
200.0	198 - 202	11.0 <sup>4</sup>	15.0 <sup>4</sup>	25.0				10	15	30				
<b>219.1</b>	<b>217 - 222</b>	<b>10.0<sup>4</sup></b>	<b>13.5<sup>4</sup></b>	<b>25.0</b>				<b>10</b>	<b>15</b>	<b>30</b>				
250.0	248 - 253	9.0 <sup>4</sup>	12.0 <sup>4</sup>	24.0				10	15	30				
267.0	264 - 270	8.0 <sup>4</sup>	11.0 <sup>4</sup>	22.5				15	15	30				
<b>273.0</b>	<b>270 - 276</b>	<b>8.0<sup>4</sup></b>	<b>11.0<sup>4</sup></b>	<b>22.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>40</b>	<b>30</b>	<b>110</b>	
304.0	301 - 307	7.0 <sup>4</sup>	10.0 <sup>4</sup>	19.5	25.0	25.0	25.0	15	20	30	40	30	110	
<b>323.9</b>	<b>321 - 327</b>	<b>7.0<sup>4</sup></b>	<b>9.5<sup>4</sup></b>	<b>18.5</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>15</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>30</b>	<b>110</b>	
<b>355.6</b>	<b>353 - 358</b>	<b>6.0<sup>4</sup></b>	<b>8.5<sup>4</sup></b>	<b>17.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	<b>15</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>30</b>	<b>110</b>	
<b>406.4</b>	<b>404 - 409</b>	<b>5.5<sup>4</sup></b>	<b>7.5<sup>4</sup></b>	<b>15.0</b>	<b>25.0</b>	<b>22.0</b>	<b>25.0</b>	<b>20</b>	<b>20</b>	<b>30</b>	<b>50</b>	<b>40</b>	<b>120</b>	
<b>457.2</b>	<b>454 - 460</b>	<b>5.0<sup>4</sup></b>	<b>6.5<sup>4</sup></b>	<b>13.0</b>	<b>25.0</b>	<b>19.0</b>	<b>25.0</b>	<b>20</b>	<b>20</b>	<b>40</b>	<b>50</b>	<b>40</b>	<b>120</b>	
<b>508.0</b>	<b>505 - 511</b>	<b>4.5<sup>4</sup></b>	<b>6.0<sup>4</sup></b>	<b>12.0<sup>4</sup></b>	<b>24.0</b>	<b>17.0</b>	<b>25.0</b>	<b>20</b>	<b>25</b>	<b>40</b>	<b>60</b>	<b>40</b>	<b>120</b>	
<b>558.8</b>	<b>556 - 562</b>	<b>4.0<sup>4</sup></b>	<b>5.5<sup>4</sup></b>	<b>10.5<sup>4</sup></b>	<b>22.0</b>	<b>16.0</b>	<b>25.0</b>	<b>25</b>	<b>25</b>	<b>40</b>	<b>60</b>	<b>50</b>	<b>140</b>	
<b>609.6</b>	<b>606 - 613</b>	<b>3.5<sup>4</sup></b>	<b>5.0<sup>4</sup></b>	<b>10.0<sup>4</sup></b>	<b>20.0</b>	<b>14.0</b>	<b>25.0</b>	<b>25</b>	<b>25</b>	<b>40</b>	<b>60</b>	<b>50</b>	<b>140</b>	
711.2	708 - 715		4.0 <sup>4</sup>	8.5 <sup>4</sup>	17.0	12.0	25.0		30	50	70	50	140	
762.0	758 - 766		4.0 <sup>4</sup>	8.0 <sup>4</sup>	16.0	12.0	23.5		30	50	70	60	160	
812.8	809 - 817		3.5 <sup>4</sup>	7.5 <sup>4</sup>	15.0	11.0	22.0		30	50	70	60	160	
914.4	910 - 918		3.5 <sup>4</sup>	6.5 <sup>4</sup>	13.0	10.0	20.0		35	60	80	60	160	
1016.0	1012 - 1020		3.0 <sup>4</sup>	6.0 <sup>4</sup>	11.0	9.0	18.0		35	60	80	70	160	
1117.6	1114 - 1122		2.5 <sup>4</sup>	5.5 <sup>4</sup>	10.0	8.0	16.0		40	60	80	70	180	
1219.2	1215 - 1224		2.5 <sup>4</sup>	5.0 <sup>4</sup>	9.0	7.0	15.0		40	60	90	70	180	
1320.8	1316 - 1325		2.5	4.5	8.5	7.0	15.0		40	60	90	70	180	
1422.4	1418 - 1427		2.0	4.0	8.0	6.0	14.0		40	60	90	70	180	
1524.0	1519 - 1529		2.0	4.0	8.0	6.0	14.0		40	60	90	80	200	
1600.0	1595 - 1605		2.0	4.0	7.5	6.0	13.0		40	60	90	80	200	
1625.6	1621 - 1631			3.0	7.0	6.0	13.0			80	100	85	200	
1727.2	1722 - 1732			3.0	6.5	5.5	12.0			80	100	90	200	
1828.8	1824 - 1834			2.5	6.0	5.0	11.0			90	110	95	220	
1930.4	1925 - 1935			2.0	6.0	4.5	10.0			100	120	100	220	
2032.0	2027 - 2037			2.0	5.5	4.0	10.0			100	120	110	240	

STRAUB produces custom made couplings from 172.0 up to 2032.0 mm

**Remarks:**

- Follow fitting / disassembly instructions
- All STRAUB-OPEN-FLEX 2 available in two-piece version
- PS = Working pressure considering the application loads  
 Test pressure = PS x 1.5 (for example industry, water supply etc.)  
 Burst pressure = approx. PS x 2
- Strip inserts are required for special applications
- L-, LS- and LU-version in W2 or W5
- LV(LDX)-version in W5
- H- and XS-version in W1

<sup>4</sup> One-piece version in slotted design

For IPS sizes in bold see technical manual for actual OD

Typing errors may occur. Technical details are subject to change