



BLAZE

Single-Sphere Flexible Rubber Joint with Floating Flanges

Model : BT-RFC-SS

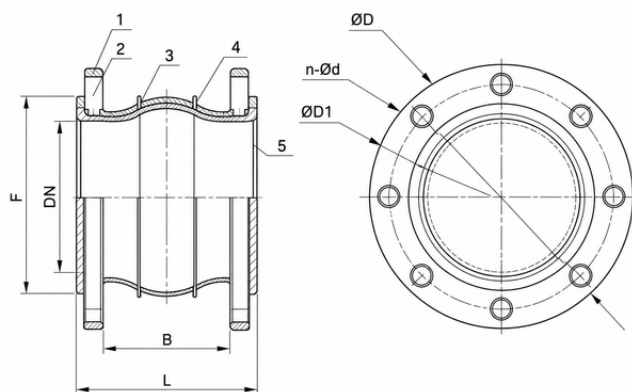
Description:

The BT-RFC-SS Single-Sphere Flexible Rubber Joint with Floating Flanges is designed to absorb vibration, reduce noise and compensate for thermal expansion, contraction and minor pipeline misalignment. Its flexible EPDM rubber construction protects piping systems from mechanical stress, extending the service life of connected equipment.

Suitable for water supply, HVAC, fire protection and general industrial applications, the joint is manufactured with floating carbon steel or stainless steel flanges for easy installation and alignment. Reinforced with a nylon cord layer for enhanced strength and pressure resistance, it delivers reliable sealing performance, lightweight construction and low maintenance, making it an ideal solution for a wide range of piping systems.

Specifications:

Size	DN25 to DN600
Certificate	ISO
Standard	BS EN12266 / GB/T13927
End Connection	BS EN1092-2 PN16 / PN25
Suitable Medium	Water Concentration ≤ 50% Ethylene Glycol Solution
Temperature	-15°C to 115°C
Working Pressure	232 psi (PN 16) / 363 psi (PN 25)



Materials Specifications :

Item	Part Name	Material
1	Flange	Carbon Steel (PN16/PN25) Stainless Steel (PN16)
2	Wire Rope	Carbon Steel
3	Outer Rubber	EPDM
4	Reinforcing Layer	Nylon
5	Inner Rubber	EPDM

Size				PN 16					PN 25				
DN	Inch	L (mm)	F (mm)	ØD	ØD1	n-Ød	B(mm)	No. of Control Levers	ØD	ØD1	n-Ød	B(mm)	No. of Control Levers
25	1"	95	76	Ø115	Ø85	4-Ø14	18	0	Ø115	Ø85	4-Ø14	18	0
32	1¼"	95	76	Ø140	Ø100	4-Ø18	18	0	Ø140	Ø100	4-Ø18	18	0
40	1½"	95	76	Ø150	Ø110	4-Ø18	18	0	Ø150	Ø110	4-Ø18	18	2
50	2"	105	88	Ø165	Ø125	4-Ø18	18	0	Ø165	Ø125	4-Ø18	20	2
65	2½"	115	106	Ø185	Ø145	4-Ø18	18	0	Ø185	Ø145	8-Ø18	22	2
80	3"	130	120	Ø200	Ø160	8-Ø18	20	0	Ø200	Ø160	8-Ø18	24	2
100	4"	135	150	Ø220	Ø180	8-Ø18	20	0	Ø235	Ø190	8-Ø22	24	2
125	5"	170	180	Ø250	Ø210	8-Ø18	22	0	Ø270	Ø220	8-Ø26	26	2
150	6"	180	212	Ø285	Ø240	8-Ø22	22	0	Ø300	Ø250	8-Ø26	28	2
200	8"	205	264	Ø340	Ø295	12-Ø22	24	2	Ø360	Ø310	12-Ø26	30	3
250	10"	240	324	Ø405	Ø355	12-Ø26	26	3	Ø425	Ø370	12-Ø30	32	4
300	12"	260	372	Ø460	Ø410	12-Ø26	28	3	Ø485	Ø430	16-Ø30	34	4
350	14"	200	415	Ø520	Ø470	16-Ø26	30	4	Ø555	Ø490	16-Ø33	38	4
400	16"	200	466	Ø580	Ø525	16-Ø30	32	4	Ø620	Ø550	16-Ø36	40	4
450	18"	200	526	Ø640	Ø585	20-Ø30	40	4	Ø670	Ø600	20-Ø36	45	4
500	20"	200	575	Ø715	Ø650	20-Ø33	44	4	Ø730	Ø660	20-Ø36	48	4
600	24"	265	575	Ø840	Ø770	20-Ø36	54	4	Ø845	Ø770	20-Ø39	58	4

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