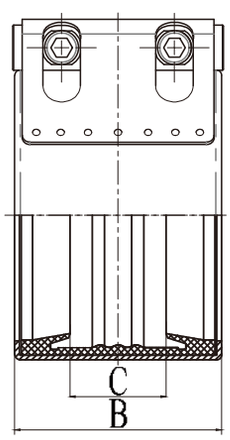
GRIP PRODUCTS

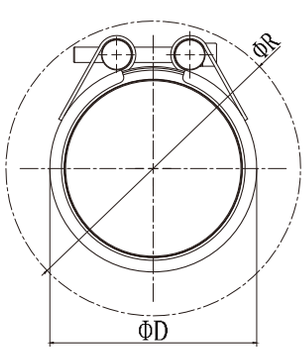
GRIP-M

The multifunctional coupling—connection and compensator in one

The Grip-M has two thick sealing lips which allow for pipe expansion and contraction.
This type of coupling not only connects pipes, it simultaneously compensates the axial movement, giving a significant added value to the coupling.
Suitable for pipes O.D **φ26.9-φ2032**mm

Outside view





Material / Components	V1	V2	V3	V4	V5	V6
Casing	AISI 304	AISI 316L	AISI 316TI	AISI 316L	AISI 316TI	
Bolts	AISI 304	AISI 316L	AISI 316L	AISI 304	AISI 304	
Bars	AISI 304	AISI 316L	AISI 316L	AISI 304	AISI 304	
Anchoring ring						
Strip insert (optional)	AISI 301	AISI 301	AISI 301	AISI 301	AISI 301	

Note:
1: Strip insert can be customized in AISI 316L/316TI
2: Please consult the BJ-GRIP technical department or its Agents when what you need is beyond the range of normal specification

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Pipe outside diameter		Clamping range	Working pressure		Product O.D.	Width	Distance between sealing slips	Setting gap between pipe ends		Torque rate	Bolt
O.D.		Min-Max			Φ D	B	C	without strip insert	with strip insert (Max)		
(mm)	(In.)	(mm)	(bar)	(bar)	(mm)	(mm)	(mm)	(mm)	Max (mm)	(Nm)	M
26.9	1.059	26-28	25	40	38.9	61	26	5-8	10	5	
30	1.181	29-31	25	40	42	61	26	5-8	10	5	M6×2
33.7	1.327	32-35	25	40	45.7	61	26	5-8	10	5	
38	1.496	37-39	25	40	52	61	26	5-8	10	7.5	
42.4	1.669	41-43	25	40	56.4	61	26	5-8	10	7.5	
44.5	1.752	44-45	25	40	58.5	61	26	5-8	10	7.5	
48.3	1.902	47-50	25	40	62.3	61	26	5-8	10	7.5	
54	2.126	52-56	20	35	70	76	37	5-10	15	10	
57	2.244	55-59	20	35	73	76	37	5-10	15	10	
60.3	2.374	59-62	20	35	76.3	76	37	5-10	15	10	
66.6	2.622	64-68	20	40	82.6	95	37	5-10	25	20	
70	2.756	68-71	20	40	86	95	41	5-10	25	20	
73	2.874	71-75	20	40	89	95	41	5-10	25	20	M8×2
76.1	2.996	74-78	20	40	92.1	95	41	5-10	25	20	
79.5	3.130	78-80	20	40	95.5	95	41	5-10	25	20	
84	3.307	82-86	20	40	100	95	41	5-10	25	20	
88.9	3.500	87-91	20	40	104.9	95	41	5-10	25	20	
100.6	3.961	99-103	18	35	118.6	95	41	5-10	25	20	
101.6	4.000	100-104	18	35	119.6	95	41	5-10	25	20	
104	4.094	102-106	18	35	122	95	41	5-10	25	20	
108	4.252	103-107	18	35	126	95	41	5-10	25	20	
114.3	4.500	113-116	18	35	132.3	95	41	5-10	25	20	
127	5.000	126-128	18	40	149	110	54	5-10	35	25	
129	5.079	128-130	18	40	151	110	54	5-10	35	25	
130.2	5.126	129-132	18	40	152.2	110	54	5-10	35	25	
133	5.236	131-135	18	40	155	110	54	5-10	35	25	
139.7	5.500	138-142	18	40	161.7	110	54	5-10	35	25	M10×2
141.3	5.563	140-143	18	40	163.3	110	54	5-10	35	25	
154	6.063	153-156	18	35	176	110	54	5-10	35	25	
159	6.260	158-161	18	35	181	110	54	5-10	35	25	
168.3	6.626	167-170	18	35	190.3	110	54	5-10	35	25	
180	7.087	166-171	16	30	202	142	75	10-25	40	50	
200	7.874	198-202	16	30	222	142	75	10-25	40	50	
219.1	8.626	216-222	16	30	249.1	142	75	10-25	40	60	
250	9.843	247-253	16	25	280	142	75	10-25	40	60	
267	10.512	264-270	16	25	297	142	75	10-25	40	60	
273	10.748	270-276	16	25	303	142	75	10-25	40	60	
304	11.969	301-307	10	20	334	142	75	10-25	40	80	M12×2
323.9	12.752	321-327	10	20	353.9	142	75	10-25	40	80	
355.6	14.000	353-358	8.5	16	385.6	142	75	10-25	40	80	
377	14.843	375-379	8.5	16	407.0	142	75	10-25	40	80	
406.4	16.000	404-409	7.5	16	436.0	142	75	10-25	40	80	
457.2	18.000	454-460	6.5	12	487.0	142	75	10-25	40	80	

Note:

Above table shows most common sizes, couplings can be customized for special outside diameters. Please contact us for further details.

Working pressure for marine applications. Minimum burst is 4 times working pressure. Figures are based on typical values for standard wall carbon steel pipe.

Working pressure for industrial and land-based applications. Minimum burst is 1.5 times working pressure.

Figures are based on typical values for standard wall carbon steel pipe.

Typing erros may occurs, technical details are subject to change as improvements of products.

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Pipe outside diameter		Clamping range	Working pressure		Product O.D.	Width	Distance between sealing slips	Setting gap between pipe ends		Torque rate	Bolt
O.D.		Min-Max			Φ D	B	C	without strip insert	with strip insert (Max)		
(mm)	(In.)	(mm)	(bar)	(bar)	(mm)	(mm)	(mm)	(mm)	Max (mm)	(Nm)	M
508	20.000	505-511	6	10	538.0	142	75	10-25	40	120	
558.8	22.000	556-562	5.5	10	588.8	142	75	10-25	40	160	
609.6	24.000	606-613	5	10	639.6	142	75	10-25	40	160	
711.2	28.000	708-715	4	5	741.2	142	75	10-25	40	160	
762	30.000	758-766	4	5	792.0	142	75	10-25	40	160	
812.8	32.000	809-817	4	5	842.8	142	75	10-25	40	200	
914.4	36.000	910-918	4	5	944.4	142	75	10-25	40	200	
1016	40.000	1012-1020	4	5	1046.0	142	75	10-25	40	200	
1117.6	44.000	1114-1122	3.5	5	1147.6	142	75	10-25	40	200	
1219.2	48.000	1215-1224	3.5	5	1249.2	142	75	10-25	40	200	M16×2
1320.8	52.000	1316-1325	3	5	1350.8	142	75	10-25	40	240	
1422.4	56.000	1418-1427	3	5	1452.4	142	75	10-25	40	240	
1524	60.000	1519-1529	2.5	5	1554	142	75	10-25	40	240	
1600	62.992	1595-1605	2.5	5	1630	142	75	10-25	40	240	
1625.6	64.000	1621-1631	2.5	5	1655.6	142	75	10-25	40	240	
1727.2	68.000	1722-1732	2.5	5	1757.2	142	75	10-25	40	240	
1828.8	72.000	1824-1834	2	5	1858.8	142	75	10-25	40	240	
1930.4	76.000	1925-1936	2	5	1960.4	142	75	10-25	40	240	
2032	80.000	2027-2037	2	5	2062	142	75	10-25	40	240	

Note:

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Figures are based on typical values for standard wall carbon steel pipe.

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