

# GRIP PRODUCTS

## GRIP-Z

### Reinforced Axially Restrained Coupling

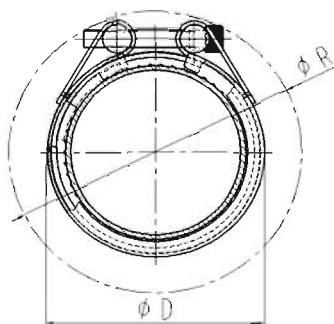
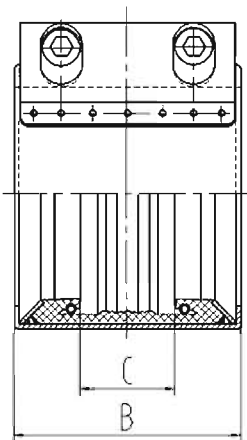
The GRIP-Z is a standard axial restrain coupling with reinforced internal structure so that can bear higher pressure.

The double anchoring rings can bite into the two pipes and prevent them from pulling apart.

Suitable for pipes O.D  $\phi 30$ - $\phi 168.3$ mm



### Outside view



Material	V1	V2	V3	V4	V5	V6
<b>Components</b>						
Casing	AISI 304	AISI 316L	AISI 316TI			AISI 304
Bolts	AISI 316L	AISI 316L	AISI 316L			AISI 4135
Bars	AISI 316L	AISI 316L	AISI 316L			AISI 4135
Anchoring ring	AISI 301	AISI 301	AISI 301			AISI 301
Strip insert (optional)	AISI 301	AISI 301	AISI 301			AISI 301

**Note:**



1: Bars can be customized in AISI12 L 14 galvanised

2: Strip insert can be customized in AISI 316L/316TI

3: 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			$\Phi$ D	B	C	without strip insert	with strip insert (Max)	(Nm)	M	
(mm)	(In.)	(mm)	(bar)	(mm)	(mm)	(mm)	(mm)	Max (mm)			
30	1.181	29-31	32	64	47.5	61	17	3-5	10	10	M8×2
33.7	1.327	32-35	32	64	51.5	61	17	3-5	10	10	
38	1.496	37-39	32	64	58.5	61	17	3-5	10	20	M8×2
42.4	1.669	41-43	32	64	62.8	61	17	3-5	10	20	
44.5	1.752	44-45	32	64	64.9	61	17	3-5	10	20	
48.3	1.902	47-49	32	64	68.7	61	17	3-5	10	20	
54	2.126	53-55	30	64	74.5	76	33	5-10	15	25	M8×2
57	2.244	56-58	30	64	77.5	76	33	5-10	15	25	
60.3	2.374	59-61	30	64	80.7	76	33	5-10	15	25	M10×2
66.6	2.622	64-68	30	64	90.7	96	37	5-10	25	40	
70	2.756	68-71	25	64	94	96	37	5-10	25	40	
73	2.874	72-74	25	64	97	96	37	5-10	25	40	
76.1	2.996	75-77	25	64	100.2	96	37	5-10	25	40	
79.5	3.130	78-81	25	64	103.6	96	37	5-10	25	40	
84	3.307	83-85	25	64	108	96	37	5-10	25	40	
88.9	3.500	88-90	25	64	113	96	37	5-10	25	40	
100.6	3.961	99-102	22	60	125	96	37	5-10	25	40	
101.6	4.000	100-103	22	60	125.7	96	37	5-10	25	40	
104	4.094	103-105	22	60	128	96	37	5-10	25	40	
108	4.252	106-109	22	60	132	96	37	5-10	25	40	
114.3	4.500	113-116	22	50	138.4	96	37	5-10	25	40	M12×2
127	5.000	126-128	22	50	153.5	111	54	5-10	35	60	
129	5.079	128-130	22	50	155.5	111	54	5-10	35	60	
130.2	5.126	129-132	22	50	156.8	111	54	5-10	35	60	
133	5.236	131-135	22	50	159.5	111	54	5-10	35	60	
139.7	5.500	138-142	22	50	166.3	111	54	5-10	35	60	
141.3	5.563	140-143	22	50	167.9	111	54	5-10	35	60	
154	6.063	153-156	22	50	178.9	111	54	5-10	35	60	
159	6.260	158-161	22	50	185.5	111	54	5-10	35	60	
168.3	6.626	167-170	22	50	191.5	111	54	5-10	35	60	

**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 errors may occurs, technical details are subject to change as improvements of products.