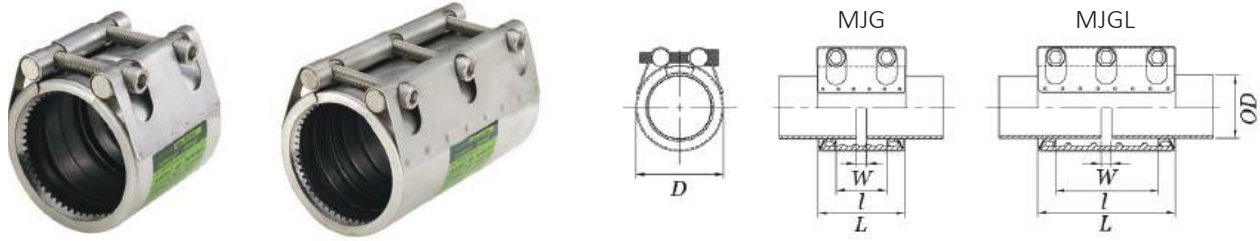


## GRIP TYPE COUPLING - FOR MID PRESSURE utility model



Grip Type Coupling is axially restrained - its double grip rings hold pipes tightly and prevent them from moving or separating from each other. This is an economical alternative to conventional piping methods such as welding, flanges, groove joints, unions, etc.

### ■ MJG 15A~400A / MJGL 15A~300A

Item No.	Pipe OD			D (mm)	Coupling Range (mm)	Thick. (mm)	Working Pressure (bar)		MJG				MJGL			
	ND	inch	actual (mm)				Ship	Ind.	Length (mm)		Torque (Nm)	Bolt (M)	Length (mm)		Torque (Nm)	Bolt (M)
									L	l			L	l		
02	15A	1/2	20.0	33.5	19.5 ~ 20.5	0.8	16	32	60	28	10	6	100	68	10	6
01			21.7	35.2	21.2 ~ 22.0	0.8	16	32	60	28	10	6	100	68	10	6
03			22.2	35.7	21.2 ~ 22.5	0.8	16	32	60	28	10	6	100	68	10	6
05	20A	3/4	25.0	38.5	24.5 ~ 25.5	0.8	16	32	60	28	10	8	100	68	10	6
04			27.2	40.7	26.7 ~ 27.7	0.8	16	32	60	28	10	8	100	68	10	6
06			28.2	41.6	27.5 ~ 29.0	0.8	16	32	60	28	10	8	100	68	10	6
08	25A	1	30.0	43.5	29.5 ~ 30.5	0.8	16	32	60	28	10	8	100	68	10	8
09			32.0	45.5	31.5 ~ 32.5	0.8	16	32	60	28	10	8	100	68	10	8
07			34.0	47.5	33.0 ~ 34.6	0.8	16	32	60	28	10	8	100	68	10	8
N9			35.0	48.5	34.5 ~ 35.5	0.8	16	32	60	28	10	8	100	68	10	8
10	32A	1 1/4	38.0	51.5	37.5 ~ 38.5	0.8	16	32	60	28	17	8	100	68	17	8
13			40.0	54.2	39.5 ~ 41.5	0.8	16	32	60	28	17	8	100	68	17	8
11			42.7	56.0	41.9 ~ 43.0	0.8	16	32	60	28	17	8	100	68	17	8
12			44.5	58.0	44.0 ~ 45.0	0.8	16	32	60	28	17	8	100	68	17	8
15	40A	1 1/2	48.6	62.0	47.8 ~ 49.0	0.8	16	32	60	28	17	8	100	68	17	8
17			50.8	64.5	49.5 ~ 51.5	0.8	16	32	60	28	17	8	100	68	17	8
18	50A	2	54.0	69.6	53.4 ~ 54.6	1.0	16	32	80	44	20	8	150	110	20	8
19			57.0	72.6	56.4 ~ 57.6	1.0	16	32	80	44	20	8	150	110	20	8
20			60.5	76.0	59.0 ~ 61.5	1.0	16	32	80	44	20	8	150	110	20	8
21			63.0	78.6	62.4 ~ 63.6	1.0	16	32	80	44	20	8	150	110	20	8
26	65A	2 1/2	66.7	82.3	65.2 ~ 67.3	1.0	14	28	80	44	20	8	150	110	20	8
25			69.0	84.6	68.0 ~ 70.1	1.0	14	28	80	44	20	8	150	110	20	8
23			73.0	88.6	71.5 ~ 74.1	1.0	14	28	80	44	20	8	150	110	20	8
24			76.3	92.0	75.0 ~ 77.2	1.0	14	28	80	44	20	8	150	110	20	8
30	80A	3	79.9	101.0	78.8 ~ 80.8	1.0	14	28	110	59	40	12	200	150	40	12
27			84.0	105.0	83.0 ~ 84.9	1.0	14	28	110	59	40	12	200	150	40	12
28			89.1	110.0	87.8 ~ 91.0	1.0	14	28	110	59	40	12	200	150	40	12
32	90A	3 1/2	101.6	123.0	100.4 ~ 102.6	1.0	14	28	110	59	40	12	200	150	40	12
34	100A	4	104.0	125.0	103.0 ~ 104.8	1.0	14	28	110	59	40	12	200	150	40	12
37			106.3	127.3	105.0 ~ 107.4	1.0	14	28	110	59	40	12	200	150	40	12
35			108.0	129.0	106.5 ~ 108.5	1.0	14	28	110	59	40	12	200	150	40	12
38			110.0	131.0	108.5 ~ 111.0	1.0	14	28	110	59	40	12	200	150	40	12
36			114.3	135.3	113.2 ~ 115.4	1.0	14	28	110	59	40	12	200	150	40	12
Q2			125.0	147.0	123.0 ~ 126.0	1.5	14	28	111	59	55	12	201	150	55	12
42	125A	5	127.0	149.0	125.6 ~ 128.4	1.5	14	28	111	59	55	12	201	150	55	12
43			129.0	151.0	127.5 ~ 130.0	1.5	14	28	111	59	55	12	201	150	55	12
S4			130.2	152.2	128.8 ~ 131.6	1.5	14	28	111	59	55	12	201	150	55	12
39			133.0	155.0	131.6 ~ 134.4	1.5	14	28	111	59	55	12	201	150	55	12
40			139.8	162.0	137.7 ~ 140.9	1.5	14	28	111	59	55	12	201	150	55	12
41			141.3	163.3	139.7 ~ 142.5	1.5	14	28	111	59	55	12	201	150	55	12

Item No.	Pipe OD			D (mm)	Coupling Range (mm)	Thick. (mm)	Working Pressure (bar)		MJG				MJGL			
	ND	inch	actual (mm)				Ship	Ind.	Length (mm)		Torque (Nm)	Bolt (M)	Length (mm)		Torque (Nm)	Bolt (M)
									L	I			L	I		
49	150A	6	150.0	172.0	147.5 ~ 151.0	1.5	12	24	111	59	55	12	201	150	55	12
44			154.0	176.0	151.5 ~ 155.0	1.5	12	24	111	59	55	12	201	150	55	12
45			159.0	181.0	156.5 ~ 160.0	1.5	12	24	111	59	55	12	201	150	55	12
46			165.2	187.0	163.3 ~ 166.7	1.5	12	24	111	59	55	12	201	150	55	12
47			168.3	190.3	166.6 ~ 170.0	1.5	12	24	111	59	55	12	201	150	55	12
Q6	175A	7	180.0	202.0	178.0 ~ 182.0	1.5	10	20	111	59	55	12	-	-	-	-
54	200A	8	200.0	226.6	198.2 ~ 201.5	2.0	8	16	150	89	100	14	-	-	-	-
55			204.0	230.6	202.7 ~ 206.7	2.0	8	16	150	89	100	14	-	-	-	-
51			216.3	243.0	214.5 ~ 218.3	2.0	8	16	150	89	100	14	250	185	100	16
52			219.1	245.7	217.0 ~ 221.0	2.0	8	16	150	89	100	14	250	185	100	16
58	250A	10	250.0	276.6	247.4 ~ 252.6	2.0	8	16	150	89	100	14	-	-	-	-
59			254.0	280.6	251.4 ~ 256.6	2.0	8	16	150	89	100	14	-	-	-	-
56			267.4	294.0	264.8 ~ 270.0	2.0	8	16	150	89	100	14	250	185	100	16
57			273.1	299.7	270.4 ~ 275.6	2.0	8	16	150	89	100	14	250	185	100	16
66	300A	12	304.0	330.6	301.5 ~ 306.6	2.0	7	14	150	89	120	14	-	-	-	-
61			318.5	345.0	316.0 ~ 322.0	2.0	7	14	150	89	120	14	250	185	120	16
64			323.9	350.5	321.0 ~ 327.4	2.0	7	14	150	89	120	14	250	185	120	16
67	350A	14	355.6	382.2	352.0 ~ 360.0	2.0	7	14	150	89	120	14	-	-	-	-
71	400A	16	406.4	433.0	402.0 ~ 410.0	2.0	6	12	150	89	150	14	-	-	-	-

[Remarks]

D value varies depending on how much bolts are tightened.  
 Burst pressure  $\geq$  working pressure for ship x safety factor (4)  
 Burst pressure  $\geq$  working pressure for industry x safety factor (2)  
 Bolt tightening torque may vary depending on pipe material.

The torque value and working pressure on this catalog are for standard carbon steel pipes.  
 Contact us for the stainless steel pipe applications.

Gap between pipes (W)		Maximum angular deflection	
15A~65A	0~8mm	15A~50A	5°
80A~	0~15mm	65A~175A	4°
		200A~	2°

### \* Type of grip ring

1. Serrated grip ring



2. Plain/Unserrated grip ring



When connecting plastic pipes such as PVC or PPR, unserrated grip rings prevent the grip ring's teeth from damaging the pipes. (special order)

## ■ MJGF 65A~400A / MJGFL 65A~300A

MJGF/MJGFL with a thicker casing can withstand higher pressure. (working pressure for ship industry)

ND	MJGF / MJGFL	MJG / MJGL
65A~125A	16bar	14bar
150A	16bar	12bar
175A	14bar	10bar
200A	12bar	8bar
250A	10bar	8bar
300A~350A	10bar	7bar
400A	8bar	6bar

[Remarks]

Burst pressure  $\geq$  working pressure for ship x safety factor (4)  
 Working pressure for industry = working pressure for ship x 2