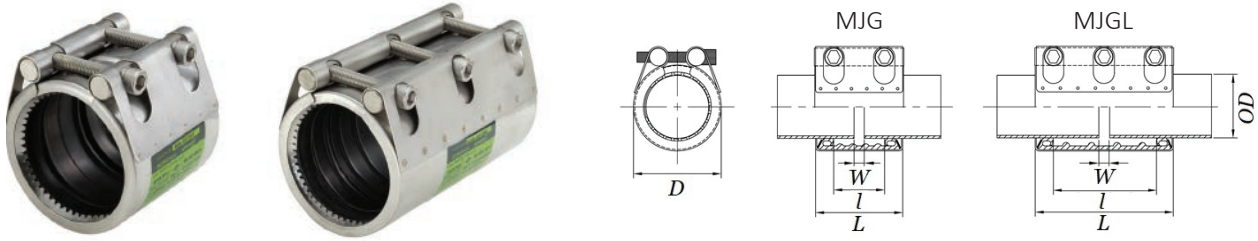


## GRIP TYPE COUPLING - FOR MID PRESSURE utility model



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	7	6	100	68	7	6
01			21.7	35.2	21.2 ~ 22.0	0.8	16	32	60	28	7	6	100	68	7	6
03			22.2	35.7	21.2 ~ 22.5	0.8	16	32	60	28	7	6	100	68	7	6
05	20A	3/4	25.0	38.5	24.5 ~ 25.5	0.8	16	32	60	28	8	8	100	68	8	6
04			27.2	40.7	26.7 ~ 27.7	0.8	16	32	60	28	8	8	100	68	8	6
06			28.2	41.6	27.5 ~ 29.0	0.8	16	32	60	28	8	8	100	68	8	6
08	25A	1	30.0	43.5	29.5 ~ 30.5	0.8	16	32	60	28	8	8	100	68	8	8
09			32.0	45.5	31.5 ~ 32.5	0.8	16	32	60	28	8	8	100	68	8	8
07			34.0	47.5	33.0 ~ 34.6	0.8	16	32	60	28	8	8	100	68	8	8
N9			35.0	48.5	34.5 ~ 35.5	0.8	16	32	60	28	8	8	100	68	8	8
10	32A	1 1/4	38.0	51.5	37.5 ~ 38.5	0.8	16	32	60	28	15	8	100	68	15	8
13			40.9	54.2	39.5 ~ 41.5	0.8	16	32	60	28	15	8	100	68	15	8
11			42.7	56.0	41.9 ~ 43.0	0.8	16	32	60	28	15	8	100	68	15	8
12			44.5	58.0	44.0 ~ 45.0	0.8	16	32	60	28	15	8	100	68	15	8
15	40A	1 1/2	48.6	62.0	47.8 ~ 49.0	0.8	16	32	60	28	15	8	100	68	15	8
17			50.8	64.5	49.5 ~ 51.5	0.8	16	32	60	28	15	8	100	68	15	8
18	50A	2	54.0	69.6	53.4 ~ 54.6	1.0	16	32	80	44	18	8	150	110	18	8
19			57.0	72.6	56.4 ~ 57.6	1.0	16	32	80	44	18	8	150	110	18	8
20			60.5	76.0	59.0 ~ 61.5	1.0	16	32	80	44	18	8	150	110	18	8
21			63.0	78.6	62.4 ~ 63.6	1.0	16	32	80	44	18	8	150	110	18	8
26	65A	2 1/2	66.7	82.3	65.2 ~ 67.3	1.0	14	28	80	44	18	8	150	110	18	8
25			69.0	84.6	68.0 ~ 70.1	1.0	14	28	80	44	18	8	150	110	18	8
23			73.0	88.6	71.5 ~ 74.1	1.0	14	28	80	44	18	8	150	110	18	8
24			76.3	92.0	75.0 ~ 77.2	1.0	14	28	80	44	18	8	150	110	18	8
30	80A	3	79.9	101.0	78.8 ~ 80.8	1.0	14	28	110	59	35	12	200	150	35	12
27			84.0	105.0	83.0 ~ 84.9	1.0	14	28	110	59	35	12	200	150	35	12
28			89.1	110.0	87.8 ~ 91.0	1.0	14	28	110	59	35	12	200	150	35	12
32	90A	3 1/2	101.6	123.0	100.4 ~ 102.6	1.0	14	28	110	59	35	12	200	150	35	12
34	100A	4	104.0	125.0	103.0 ~ 104.8	1.0	14	28	110	59	35	12	200	150	35	12
37			106.3	127.3	105.0 ~ 107.4	1.0	14	28	110	59	35	12	200	150	35	12
35			108.0	129.0	106.5 ~ 108.5	1.0	14	28	110	59	35	12	200	150	35	12
38			110.0	131.0	108.5 ~ 111.0	1.0	14	28	110	59	35	12	200	150	35	12
36			114.3	135.3	113.2 ~ 115.4	1.0	14	28	110	59	35	12	200	150	35	12
Q2			125.0	147.0	123.0 ~ 126.0	1.5	14	28	111	59	45	12	201	150	45	12
42	125A	5	127.0	149.0	125.6 ~ 128.4	1.5	14	28	111	59	45	12	201	150	45	12
43			129.0	151.0	127.5 ~ 130.0	1.5	14	28	111	59	45	12	201	150	45	12
S4			130.2	152.2	128.8 ~ 131.6	1.5	14	28	111	59	45	12	201	150	45	12
39			133.0	155.0	131.6 ~ 134.4	1.5	14	28	111	59	45	12	201	150	45	12
40			139.8	162.0	137.7 ~ 140.9	1.5	14	28	111	59	45	12	201	150	45	12
41			141.3	163.3	139.7 ~ 142.5	1.5	14	28	111	59	45	12	201	150	45	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	l			L	l		
49	150A	6	150.0	172.0	147.5 ~ 151.0	1.5	12	24	111	59	45	12	201	150	45	12
44			154.0	176.0	151.5 ~ 155.0	1.5	12	24	111	59	45	12	201	150	45	12
45			159.0	181.0	156.5 ~ 160.0	1.5	12	24	111	59	45	12	201	150	45	12
46			<b>165.2</b>	187.0	163.3 ~ 166.7	1.5	12	24	111	59	45	12	201	150	45	12
47			168.3	190.3	166.6 ~ 170.0	1.5	12	24	111	59	45	12	201	150	45	12
Q6	175A	7	180.0	202.0	178.0 ~ 182.0	1.5	10	20	111	59	45	12	-	-	-	-
54	200A	8	200.0	226.6	198.2 ~ 201.5	2.0	8	16	150	89	70	14	-	-	-	-
55			204.0	230.6	202.7 ~ 206.7	2.0	8	16	150	89	70	14	-	-	-	-
51			<b>216.3</b>	243.0	214.5 ~ 218.3	2.0	8	16	150	89	70	14	250	185	70	16
52			219.1	245.7	217.0 ~ 221.0	2.0	8	16	150	89	70	14	250	185	70	16
59	250A	10	254.0	280.6	251.4 ~ 256.6	2.0	8	16	150	89	70	14	-	-	-	-
56			<b>267.4</b>	294.0	264.8 ~ 270.0	2.0	8	16	150	89	70	14	250	185	70	16
57			273.1	299.7	270.4 ~ 275.6	2.0	8	16	150	89	70	14	250	185	70	16
66	300A	12	304.0	330.6	301.5 ~ 306.6	2.0	7	14	150	89	70	14	-	-	-	-
61			<b>318.5</b>	345.0	316.0 ~ 322.0	2.0	7	14	150	89	70	14	250	185	70	16
64			323.9	350.5	321.0 ~ 327.4	2.0	7	14	150	89	70	14	250	185	70	16
67	350A	14	<b>355.6</b>	382.2	352.0 ~ 360.0	2.0	7	14	150	89	70	14	-	-	-	-
71	400A	16	<b>406.4</b>	433.0	402.0 ~ 410.0	2.0	6	12	150	89	70	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)

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



In case of plastic pipes such as PVC or PPR, unserrated grip rings prevent those pipes from being damaged by grip ring's teeth by any chance. (special order)