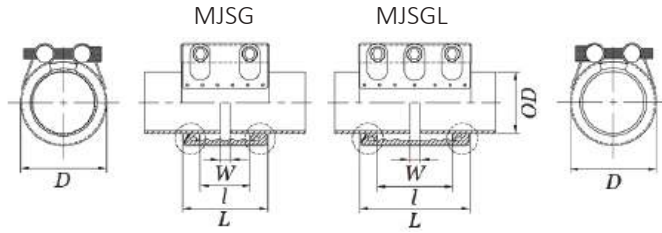


SLIP-GRIP TYPE COUPLING utility model



Slip-Grip Type Coupling is a combination of slip type and grip type. The grip rings hold a pipe tightly on one side, while the slip part on the other side allows pipe expansion and contraction. Pipes on the slip part should be fixed adequately to avoid fall-out caused by axial force.

■ MJSGL / MJSGL 15A~300A

Item No.	Pipe OD			D (mm)	Coupling Range (mm)	Thick. (mm)	Working Pressure (bar)		MJSGL				MJSGL			
	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	12	8	100	68	15	8
13			40.0	54.2	39.5 ~ 41.5	0.8	16	32	60	28	12	8	100	68	15	8
11			42.7	56.0	41.9 ~ 43.0	0.8	16	32	60	28	12	8	100	68	15	8
12			44.5	58.0	44.0 ~ 45.0	0.8	16	32	60	28	12	8	100	68	15	8
15	40A	1 1/2	48.6	62.0	47.8 ~ 49.0	0.8	16	32	60	28	12	8	100	68	15	8
17			50.8	64.5	49.5 ~ 51.5	0.8	16	32	60	28	12	8	100	68	15	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	25	12	200	150	25	12
27			84.0	105.0	83.0 ~ 84.9	1.0	14	28	110	59	25	12	200	150	25	12
28			89.1	110.0	87.8 ~ 91.0	1.0	14	28	110	59	25	12	200	150	25	12
32	90A	3 1/2	101.6	123.0	100.4 ~ 102.6	1.0	14	28	110	59	25	12	200	150	25	12
34	100A	4	104.0	125.0	103.0 ~ 104.8	1.0	14	28	110	59	25	12	200	150	25	12
37			106.3	127.3	105.0 ~ 107.4	1.0	14	28	110	59	25	12	200	150	25	12
35			108.0	129.0	106.5 ~ 108.5	1.0	14	28	110	59	25	12	200	150	25	12
38			110.0	131.0	108.5 ~ 111.0	1.0	14	28	110	59	25	12	200	150	25	12
36			114.3	135.3	113.2 ~ 115.4	1.0	14	28	110	59	25	12	200	150	25	12
40			125.0	147.0	123.0 ~ 126.0	1.5	14	28	111	59	35	12	201	150	35	12
42	125A	5	127.0	149.0	125.6 ~ 128.4	1.5	14	28	111	59	35	12	201	150	35	12
43			129.0	151.0	127.5 ~ 130.0	1.5	14	28	111	59	35	12	201	150	35	12
S4			130.2	152.2	128.8 ~ 131.6	1.5	14	28	111	59	35	12	201	150	35	12
39			133.0	155.0	131.6 ~ 134.4	1.5	14	28	111	59	35	12	201	150	35	12
40			139.8	162.0	137.7 ~ 140.9	1.5	14	28	111	59	35	12	201	150	35	12
41			141.3	163.3	139.7 ~ 142.5	1.5	14	28	111	59	35	12	201	150	35	12

Item No.	Pipe OD			D (mm)	Coupling Range (mm)	Thick. (mm)	Working Pressure (bar)		MJSG				MJSGL			
	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	35	12	201	150	35	12
44			154.0	176.0	151.5 ~ 155.0	1.5	12	24	111	59	35	12	201	150	35	12
45			159.0	181.0	156.5 ~ 160.0	1.5	12	24	111	59	35	12	201	150	35	12
46			165.2	187.0	163.3 ~ 166.7	1.5	12	24	111	59	35	12	201	150	35	12
47			168.3	190.3	166.6 ~ 170.0	1.5	12	24	111	59	35	12	201	150	35	12
Q6	175A	7	180.0	202.0	178.0 ~ 182.0	1.5	10	20	111	59	35	12	-	-	-	-
51	200A	8	216.3	243.0	214.5 ~ 218.3	2.0	8	16	150	89	65	14	250	185	75	16
52			219.1	245.7	217.0 ~ 221.0	2.0	8	16	150	89	65	14	250	185	75	16
56	250A	10	267.4	294.0	264.8 ~ 270.0	2.0	8	16	150	89	65	14	250	185	75	16
57			273.1	299.7	270.4 ~ 275.6	2.0	8	16	150	89	65	14	250	185	75	16
61	300A	12	318.5	345.0	316.0 ~ 322.0	2.0	7	14	150	89	65	14	250	185	75	16
64			323.9	350.5	321.0 ~ 327.4	2.0	7	14	150	89	65	14	250	185	75	16

[Remarks]

D value varies depending on how much bolts are tightened.

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

Bolt tightening torque may vary depending on pipe material.

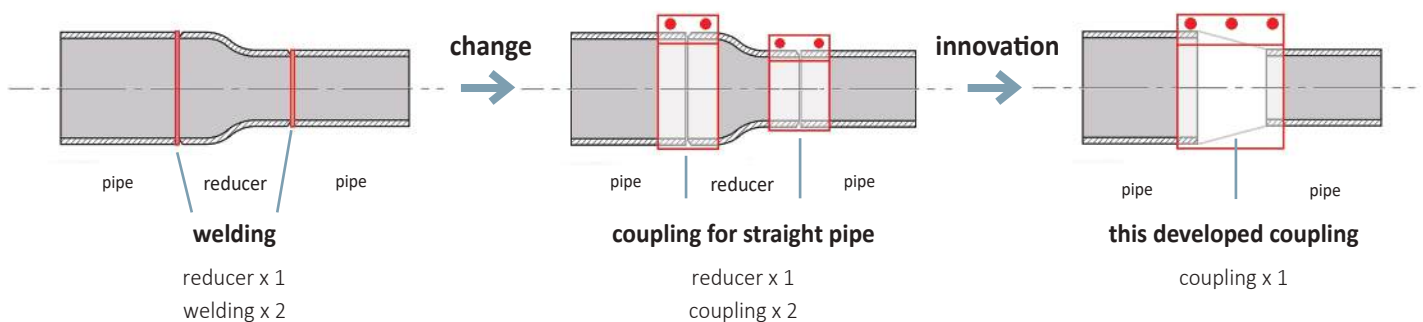
The torque value and working pressure on this catalog are for standard carbon steel pipes.

Contact us for the stainless steel pipe applications.

GRIP TYPE COUPLING - FOR PIPES OF DIFFERENT OD design

Two pipes of different OD can be connected without a reducer. (under development)

■ 25Ax15A ~ 200Ax150A



Developed sizes

ND	Working Pressure	Max. Pressure
32A x 20A	13bar	52bar
50A x 32A	13bar	52bar
100A x 50A	13bar	52bar

ND	Working Pressure	Max. Pressure
150A x 80A	13bar	52bar
200A x 80A	10bar	40bar

[Remarks] Burst pressure \geq working pressure x safety factor (4)