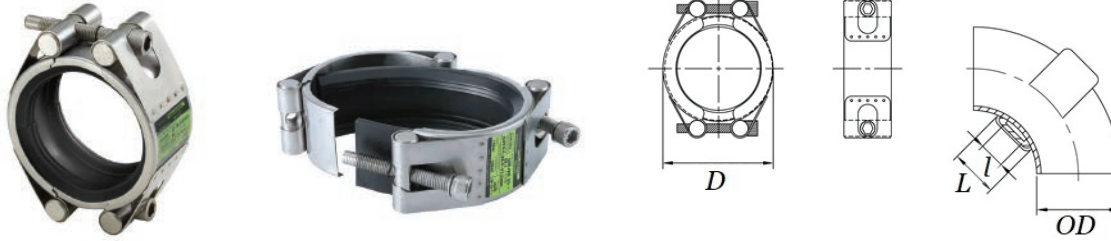


## ELBOW REPAIR CLAMP utility model



This is useful for repairing a leaking area on an elbow or a weld, or covering up a weld to prevent leaks. This is a top-bottom separated type, like MJD.

### ■ MJER 13A~500A

Item No.	Pipe OD			D (mm)	Clamping Range (mm)	Thickness (mm)	Pressure (bar)		MJER			
	ND	inch	actual (mm)				Working	Max.	Length (mm)		Torque (Nm)	Bolt (M)
									L	l		
U2	13A		15.8	34.0	14.0 ~ 17.0	1.0	17.5	35	27	8	7	6
02	15A	1/2	20.0	38.0	19.5 ~ 21.3	1.0	17.5	35	27	10	7	6
01			21.7	39.0	21.0 ~ 23.0	1.0	17.5	35	27	10	7	6
05	20A	3/4	25.0	43.0	24.0 ~ 26.5	1.0	17.5	35	27	10	7	6
04			27.2	45.0	26.0 ~ 29.0	1.0	17.5	35	27	10	7	6
06			28.2	46.0	26.4 ~ 29.5	1.0	17.5	35	27	10	7	6
08	25A	1	30.0	48.0	29.0 ~ 31.5	1.0	17.5	35	27	10	7	6
09			32.0	50.0	31.0 ~ 33.5	1.0	17.5	35	27	10	7	6
07			34.0	52.0	33.0 ~ 35.5	1.0	17.5	35	27	10	7	6
10	32A	1 1/4	38.0	56.0	37.0 ~ 39.5	1.0	17.5	35	27	10	7	6
13			40.9	58.0	39.5 ~ 41.8	1.0	17.5	35	27	10	7	6
11			42.7	61.0	41.0 ~ 44.5	1.0	17.5	35	27	10	7	6
12			44.5	62.5	44.0 ~ 46.5	1.0	17.5	35	27	10	7	6
15	40A	1 1/2	48.6	66.0	47.5 ~ 50.5	1.0	15	30	27	10	7	6
17			50.8	68.8	48.6 ~ 51.5	1.0	15	30	27	10	7	6
18	50A	2	54.0	78.6	53.0 ~ 56.0	1.0	15	30	40	18	15	8
19			57.0	81.6	56.0 ~ 59.0	1.0	15	30	40	18	15	8
20			60.5	85.0	59.0 ~ 62.0	1.0	15	30	40	18	15	8
21			63.0	87.6	62.0 ~ 65.0	1.0	15	30	40	18	15	8
26	65A	2 1/2	66.7	91.3	64.4 ~ 69.0	1.0	15	30	40	18	15	8
25			69.0	93.6	67.5 ~ 72.0	1.0	15	30	40	18	15	8
23			73.0	97.6	71.5 ~ 76.5	1.0	15	30	40	18	15	8
24			76.3	101.0	75.0 ~ 79.0	1.0	15	30	40	18	15	8
30	80A	3	79.9	103.9	77.0 ~ 83.0	1.0	15	30	60	29	28	12
27			84.0	108.0	81.0 ~ 86.0	1.0	15	30	60	29	28	12
28			89.1	113.1	86.0 ~ 92.0	1.0	15	30	60	29	28	12
32	90A	3 1/2	101.6	125.6	100.0 ~ 104.0	1.0	15	30	60	29	28	12
34	100A	4	104.0	128.0	102.0 ~ 106.0	1.0	12.5	25	60	29	28	12
37			106.3	130.3	105.0 ~ 108.5	1.0	12.5	25	60	29	28	12
35			108.0	132.0	106.0 ~ 110.0	1.0	12.5	25	60	29	28	12
38			110.0	134.0	108.5 ~ 113.5	1.0	12.5	25	60	29	28	12
36			114.3	138.3	113.0 ~ 118.0	1.0	12.5	25	60	29	28	12
Q2			125A	5	125.0	149.0	123.0 ~ 126.5	1.0	9	18	60	29
42	127.0	151.0			125.0 ~ 129.5	1.0	9	18	60	29	28	12
43	129.0	153.0			127.5 ~ 131.0	1.0	9	18	60	29	28	12
S4	130.2	154.2			128.2 ~ 132.7	1.0	9	18	60	29	28	12
39	133.0	157.0			131.0 ~ 135.5	1.0	9	18	60	29	28	12
40	139.8	163.8			138.0 ~ 142.5	1.0	9	18	60	29	28	12
41	141.3	165.3			139.5 ~ 144.0	1.0	9	18	60	29	28	12

Item No.	Pipe OD			D (mm)	Clamping Range (mm)	Thickness (mm)	Pressure (bar)		MJER			
	ND	inch	actual (mm)				Working	Max.	Length (mm)		Torque (Nm)	Bolt (M)
									L	I		
49	150A	6	150.0	174.0	146.8 ~ 152.5	1.0	9	18	60	29	28	12
44			154.0	178.0	151.5 ~ 156.0	1.0	9	18	60	29	28	12
45			159.0	183.0	156.0 ~ 161.0	1.0	9	18	60	29	28	12
46			<b>165.2</b>	189.2	164.0 ~ 168.5	1.0	9	18	60	29	28	12
47			168.3	192.3	166.0 ~ 170.5	1.0	9	18	60	29	28	12
Q6	175A	7	180.0	204.0	178.0 ~ 183.0	1.0	8	16	60	29	28	12
54	200A	8	200.0	225.0	198.0 ~ 203.5	1.5	8	16	61	29	40	12
55			204.0	229.0	202.0 ~ 206.5	1.5	8	16	61	29	40	12
51			<b>216.3</b>	241.3	214.0 ~ 219.0	1.5	8	16	61	29	40	12
52			219.1	244.1	216.5 ~ 222.0	1.5	8	16	61	29	40	12
59	250A	10	254.0	279.0	251.0 ~ 257.0	1.5	8	16	61	29	40	12
56			<b>267.4</b>	292.4	262.0 ~ 270.0	1.5	8	16	61	29	40	12
57			273.1	298.1	270.0 ~ 277.0	1.5	8	16	61	29	40	12
66	300A	12	304.0	329.0	301.5 ~ 309.0	1.5	6.5	13	61	29	40	12
61			<b>318.5</b>	343.5	316.0 ~ 323.0	1.5	6.5	13	61	29	40	12
64			323.9	348.9	322.0 ~ 329.0	1.5	6.5	13	61	29	40	12
67	350A	14	<b>355.6</b>	380.6	352.0 ~ 361.0	1.5	6.0	12	61	29	40	12
71	400A	16	<b>406.4</b>	431.4	402.0 ~ 411.0	1.5	5.5	11	61	29	40	12
74	450A	18	<b>457.2</b>	482.2	453.0 ~ 462.0	1.5	5.0	10	61	29	40	12
77	500A	20	<b>508.0</b>	533.0	504.0 ~ 513.0	1.5	4.5	9	61	29	40	12

[Remarks]

D value varies depending on how much bolts are tightened.

Burst pressure  $\geq$  working pressure x safety factor (2)

MJD (Multi-Locks type) for elbow repair over ND500 (page 22~23).