

BUTT WELD ELBOW FLANGES (Pg 1/2)

For Schedule 160 Pipe ⑥

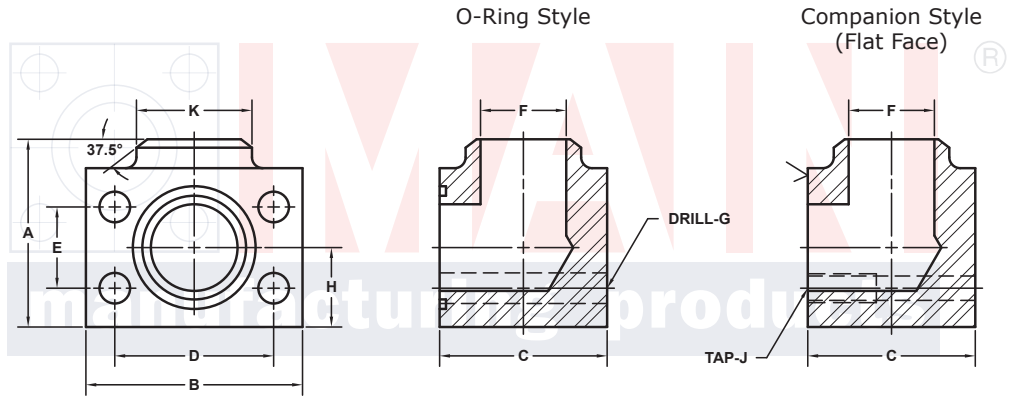
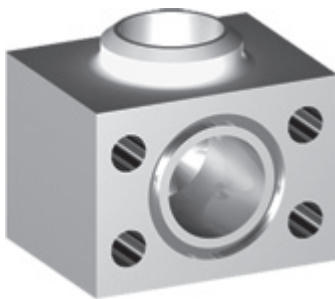
SAE J518 61 SERIES / ISO6162-1 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6141-08-08BM8	2.00	2.12	1.44	1.500	.688	.47	8.5	.75	.88	MKM 541	M8 x 50	210	1.3
		6142-08-08BM8							M8x1.25			-----	-----	---	
3/4	1/2	6141-12-08BM10	2.25	2.62	1.70	1.875	.875	.47	10.5	.88	.88	MKM 542	M10 x 60	214	2.1
		6142-12-08BM10							M10x1.5			-----	-----	---	
3/4	3/4	6141-12-12BM10	2.25	2.62	1.70	1.875	.875	.61	10.5	.88	1.12	MKM 542	M10 x 60	214	2.1
		6142-12-12BM10							M10x1.5			-----	-----	---	
1	3/4	6141-16-12BM10	2.50	2.82	1.94	2.062	1.031	.61	10.5	1.00	1.12	MKM 543	M10 x 65	219	2.9
		6142-16-12BM10							M10x1.5			-----	-----	---	
1	1	6141-16-16BM10	2.50	2.82	1.94	2.062	1.031	.81	10.5	1.00	1.38	MKM 543	M10 x 65	219	2.8
		6142-16-16BM10							M10x1.5			-----	-----	---	
1 1/4	1	6141-20-16BM10†	3.00	3.19	2.40	2.312	1.188	.81	10.5	1.25	1.38	MKM 4532	M10 x 75	222	4.8
		6142-20-16BM10†							M10x1.5			-----	-----	---	
1 1/4	1 1/4	6141-20-20BM10†	3.00	3.19	2.40	2.312	1.188	1.16	10.5	1.25	1.75	MKM 4532	M10 x 75	222	4.7
		6142-20-20BM10†							M10x1.5			-----	-----	---	
1 1/4	1 1/2	6141-20-24BM10†	3.00	3.19	3.00	2.312	1.188	1.34	10.5	1.25	2.00	MKM 4597	M10 x 90	222	5.6
		6142-20-24BM10†							M10x1.5			-----	-----	---	
1 1/2	1 1/4	6141-24-20BM12‡	3.25	3.75	2.90	2.750	1.406	1.16	13.0	1.38	1.75	MKM 4533	M12 x 90	225	7.1
		6142-24-20BM12‡							M12x1.75			-----	-----	---	
1 1/2	1 1/2	6141-24-24BM12‡	3.25	3.75	2.90	2.750	1.406	1.34	13.0	1.38	2.00	MKM 4533	M12 x 90	225	6.9
		6142-24-24BM12‡							M12x1.75			-----	-----	---	
1 1/2	2	6141-24-32BM12‡	3.50	3.75	3.50	2.750	1.406	1.69	13.0	1.38	2.50	MKM 3521	M12 x 100	225	9.2
		6142-24-32BM12‡							M12x1.75			-----	-----	---	

MATERIAL:
304L Stainless

MOUNTING KITS listed contain carbon steel bolts and Buna N O-Ring. To specify stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501SS).

Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



Model 6141 / 6143

Model 6142 / 6144

3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE J518 62 SERIES / ISO6162-2 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6143-08-08BM8	2.25	2.22	1.46	1.594	.718	.47	8.5	.88	.88	MKM 541	M8 x 50	210	1.6
		6144-08-08BM8							M8x1.25			-----	-----	---	
3/4	1/2	6143-12-08BM10	2.50	2.81	1.70	2.000	.937	.47	10.5	1.00	.88	MKM 542	M10 x 60	214	2.6
		6144-12-08BM10							M10x1.5			-----	-----	---	
3/4	3/4	6143-12-12BM10	2.50	2.81	1.70	2.000	.937	.61	10.5	1.00	1.12	MKM 542	M10 x 60	214	2.6
		6144-12-12BM10							M10x1.5			-----	-----	---	
1	3/4	6143-16-12BM12	2.75	3.19	2.21	2.250	1.093	.61	12.5	1.12	1.12	MKM 2533	M12 x 75	219	4.2
		6144-16-12BM12							M12x1.75			-----	-----	---	
1	1	6143-16-16BM12	2.75	3.19	2.21	2.250	1.093	.81	12.5	1.12	1.38	MKM 2533	M12 x 75	219	4.1
		6144-16-16BM12							M12x1.75			-----	-----	---	
1 1/4	1	6143-20-16BM12‡	3.25	3.75	2.44	2.625	1.250	.81	13.0	1.38	1.38	MKM 578	M12 x 80	222	6.5
		6144-20-16BM12‡							M12x1.75			-----	-----	---	
1 1/4	1 1/4	6143-20-20BM12‡	3.25	3.75	2.44	2.625	1.250	1.16	13.0	1.38	1.75	MKM 578	M12 x 80	222	6.3
		6144-20-20BM12‡							M12x1.75			-----	-----	---	

① Order Separately

⑥ Schedules 40, 80 and XXS also Stocked. Other Pipe and Tube Sizes are Available

48 NOTE: DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. † Also Available for M12 Bolts ‡ Also Available for M14 Bolts

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BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 160 Pipe ®

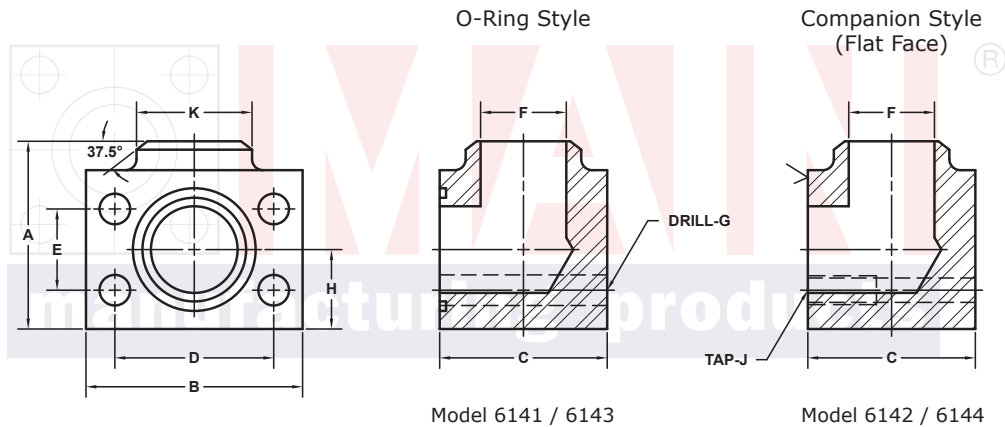
SAE J518 61 SERIES / ISO6162-1 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
2	1¼	6141-32-20BM12†	3.75	4.00	3.40	3.062	1.688	1.16	13.0	1.62	1.75	MKM 4534	M12 x 100	228	10.1
		6142-32-20BM12†							M12x1.75			-----	-----	---	
2	1½	6141-32-24BM12†	3.75	4.00	3.40	3.062	1.688	1.34	13.0	1.62	2.00	MKM 4534	M12 x 100	228	10.0
		6142-32-24BM12†							M12x1.75			-----	-----	---	
2	2	6141-32-32BM12†	3.75	4.00	3.40	3.062	1.688	1.69	13.0	1.62	2.50	MKM 4534	M12 x 100	228	9.8
		6142-32-32BM12†							M12x1.75			-----	-----	---	
2½ ^②	2	6141-40-32BM12†	4.50	4.50	3.96	3.500	2.000	1.69	13.0	2.00	2.50	MKM 4535	M12 x 120	232	15.8
		6142-40-32BM12†							M12x1.75			-----	-----	---	
2½ ^②	2½	6141-40-40BM12†	4.50	4.50	3.96	3.500	2.000	2.12	13.0	2.00	3.00	MKM 4535	M12 x 120	232	15.2
		6142-40-40BM12†							M12x1.75			-----	-----	---	
3 ^③	2½	6141-48-40BM16	5.00	5.31	4.96	4.188	2.438	2.12	17.0	2.25	3.00	MKM 548	M16 x 150	237	25.4
		6142-48-40BM16							M16x2			-----	-----	---	
3 ^③	3	6141-48-48BM16	5.00	5.31	4.96	4.188	2.438	2.62	17.0	2.25	3.50	MKM 548	M16 x 150	237	24.4
		6142-48-48BM16							M16x2			-----	-----	---	
3½ ^④	3	6141-56-48BM16	5.50	6.00	5.40	4.750	2.750	2.62	17.0	2.50	3.50	MKM 549	M16 x 160	241	33.6
		6142-56-48BM16							M16x2			-----	-----	---	
3½ ^④	3½	6141-56-56BM16	5.50	6.00	5.40	4.750	2.750	3.00	17.0	2.50	4.00	MKM 549	M16 x 160	241	32.7
		6142-56-56BM16							M16x2			-----	-----	---	
4 ^④	3	6141-64-48BM16	6.00	6.38	5.96	5.125	3.062	2.62	17.0	2.75	3.50	MKM 550	M16 x 180	245	42.9
		6142-64-48BM16							M16x2			-----	-----	---	
4 ^④	4	6141-64-64BM16	6.00	6.38	5.96	5.125	3.062	3.44	17.0	2.75	4.50	MKM 550	M16 x 180	245	40.4
		6142-64-64BM16							M16x2			-----	-----	---	

MOUNTING KITS listed contain carbon steel bolts and Buna N O-Ring. To specify stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501SS).

Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
304L Stainless



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SAE J518 62 SERIES / ISO6162-2 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1½	1¼	6143-24-20BM16	3.75	4.50	2.96	3.125	1.437	1.16	17.0	1.62	1.75	MKM 553	M16 x 100	225	10.4
		6144-24-20BM16							M16x2			-----	-----	---	
1½	1½	6143-24-24BM16	3.75	4.50	2.96	3.125	1.437	1.34	17.0	1.62	2.00	MKM 553	M16 x 100	225	10.8
		6144-24-24BM16							M16x2			-----	-----	---	
2	1½	6143-32-24BM20	4.50	5.25	3.46	3.812	1.750	1.34	21.0	2.00	2.00	MKM 554	3/4-10 x 120	228	17.8
		6144-32-24BM20							M20x2.5			-----	-----	---	
2	2	6143-32-32BM20	4.50	5.25	3.46	3.812	1.750	1.69	21.0	2.00	2.50	MKM 554	3/4-10 x 120	228	16.8
		6144-32-32BM20							M20x2.5			-----	-----	---	
2½	2	6143-40-32BM24	5.50	6.88	4.50	4.875	2.312	1.69	25.5	2.50	2.50	MKM 2557	M24 x 150	232	36.6
		6144-40-32BM24							M24x3			-----	-----	---	
2½	2½	6143-40-40BM24	5.50	6.88	4.50	4.875	2.312	2.12	25.5	2.50	3.00	MKM 2557	M24 x 150	232	36.3
		6144-40-40BM24							M24x3			-----	-----	---	
3	3	6143-48-48BM30	6.50	8.50	5.00	6.000	2.812	2.62	32.0	3.00	3.50	MKM 556	M30 x 180	237	59.0
		6144-48-48BM30							M30x3.5			-----	-----	---	

① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

® Schedules 40, 80 and XXS also Stocked. Other Pipe and Tube Sizes are Available

NOTE: DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. † Also Available for M12 Bolts ‡ Also Available for M14 Bolts

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