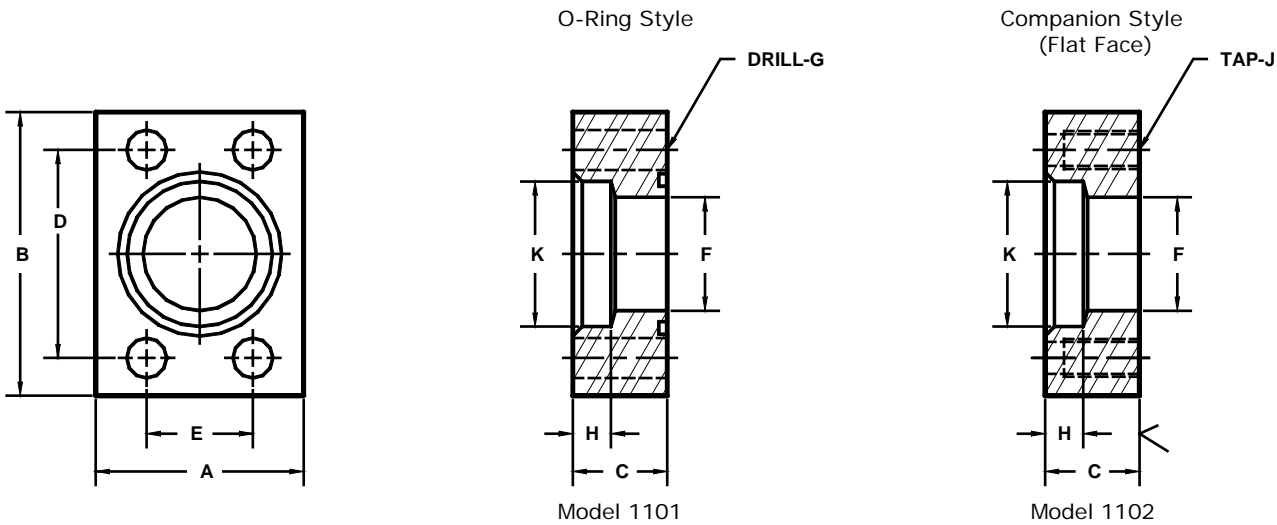


Developers and Manufacturers of  
Hydraulic Flanges & Components

## SOCKET WELD IN-LINE PIPE FLANGES

ISO 6162-1 PATTERN / J518 61 SERIES METRIC



FLANGE SIZE		PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT <sup>①</sup>		
														PART NO.	BOLT SIZE	O-RING
13	1/2	1/2	1101-08-08M8	38.0	54.0	19.0	38.10	17.48	12.5	8.5	9.7	----	21.84	MKM 501	M8 x 30	210
			(1.500)				(.688)	---		M8 x 1.25		(.860)	-----	-----	---	
19	3/4	1/2	1101-12-08M10	44.5	66.5	25.0	47.63	22.23	12.5	10.5	9.7	----	21.84	MKM 502	M10 x 40	214
			(1.875)				(.875)	---		M10 x 1.5		(.860)	-----	-----	---	
19	3/4	3/4	1101-12-12M10	44.5	66.5	25.0	47.63	22.23	19.0	10.5	12.7	----	27.18	MKM 502	M10 x 40	214
			(1.875)				(.875)	---		M10 x 1.5		(1.070)	-----	-----	---	
19	3/4	1	1102-12-16M10	51.0	66.5	44.0	47.63	22.23	19.0	---	12.7	----	33.91	-----	-----	---
			(1.875)				(.875)	---		M10 x 1.5		(1.335)	-----	-----	---	
25	1	3/4	1101-16-12M10	51.0	71.5	25.0	52.37	26.19	19.0	10.5	12.7	----	27.18	MKM 503	M10 x 40	219
			(2.062)				(1.031)	---		M10 x 1.5		(1.070)	-----	-----	---	
25	1	1	1101-16-16M10	51.0	71.5	25.0	52.37	26.19	25.0	10.5	12.7	----	33.91	MKM 503	M10 x 40	219
			(2.062)				(1.031)	---		M10 x 1.5		(1.335)	-----	-----	---	
25	1	1 1/4	1102-16-20M10	63.5	71.5	50.5	52.37	26.19	25.0	---	12.7	----	42.67	-----	-----	---
			(2.062)				(1.031)	---		M10 x 1.5		(1.680)	-----	-----	---	
32	1 1/4	1	1101-20-16M10	63.5	81.0	25.0	58.72	30.18	25.0	10.5	12.7	----	33.91	MKM 3524	M10 x 40	222
			(2.312)				(1.188)	---		M10 x 1.5		(1.335)	-----	-----	---	
32	1 1/4	1	1101-20-16M12*	63.5	81.0	25.0	58.72	30.18	25.0	12.5	12.7	----	33.91	MKM 504	M12 x 45	222
			(2.312)				(1.188)	---		M12 x 1.75		(1.335)	-----	-----	---	
32	1 1/4	1 1/4	1101-20-20M10	63.5	81.0	25.0	58.72	30.18	31.5	10.5	12.7	----	42.67	MKM 3524	M10 x 40	222
			(2.312)				(1.188)	---		M10 x 1.5		(1.680)	-----	-----	---	
32	1 1/4	1 1/4	1101-20-20M12*	63.5	81.0	25.0	58.72	30.18	31.5	12.5	12.7	----	42.67	MKM 504	M12 x 45	222
			(2.312)				(1.188)	---		M12 x 1.75		(1.680)	-----	-----	---	
32	1 1/4	1 1/2	1102-20-24M10	76.0	81.0	63.0	58.72	30.18	31.5	---	12.7	----	48.77	-----	-----	---
			(2.312)				(1.188)	---		M10 x 1.5		(1.920)	-----	-----	---	
32	1 1/4	1 1/2	1102-20-24M12*	76.0	81.0	63.0	58.72	30.18	31.5	---	12.7	----	48.77	-----	-----	---
			(2.312)				(1.188)	---		M12 x 1.75		(1.920)	-----	-----	---	

① Order Separately

\*Non Standard Bolt For This Flange Size.

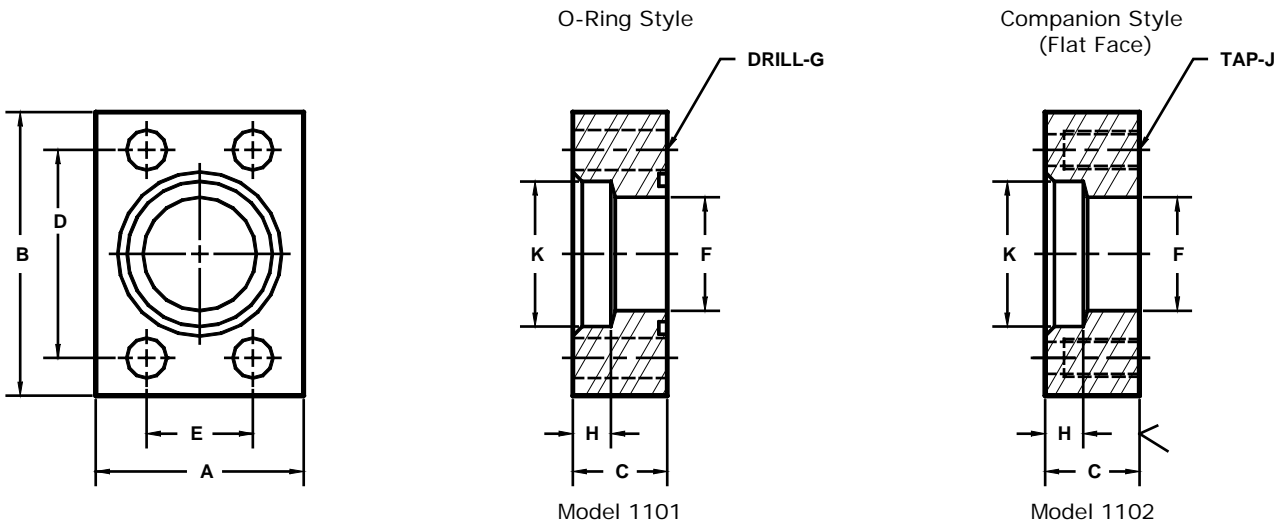
NOTE: DIMENSIONS ARE IN MILLIMETERS. INCH EQUIVALENTS IN ().

MATERIAL : STEEL  
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Developers and Manufacturers of Hydraulic Flanges & Components

## SOCKET WELD IN-LINE PIPE FLANGES

ISO 6162-1 PATTERN / J518 61 SERIES METRIC



FLANGE SIZE		PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT <sup>①</sup>		
														PART NO.	BOLT SIZE	O-RING
38	1½	1¼	1101-24-20M12	70.0	95.5	31.5	69.85	35.71	31.5	13.0	12.7	----	42.67	MKM 3596	M12 x 50	225
			(2.750)				(1.406)	---		M12 x 1.75		(1.680)	-----	-----	---	
38	1½	1¼	1101-24-20M14*	70.0	95.5	31.5	69.85	35.71	31.5	15.0	12.7	----	42.67	MKM 505	M14 x 55	225
			(2.750)				(1.406)	---		M14 x 2		(1.680)	-----	-----	---	
38	1½	1½	1101-24-24M12	70.0	95.5	31.5	69.85	35.71	38.0	13.0	12.7	----	48.77	MKM 3596	M12 x 50	225
			(2.750)				(1.406)	---		M12 x 1.75		(1.920)	-----	-----	---	
38	1½	1½	1101-24-24M14*	70.0	95.5	31.5	69.85	35.71	38.0	15.0	12.7	----	48.77	MKM 505	M14 x 55	225
			(2.750)				(1.406)	---		M14 x 2		(1.920)	-----	-----	---	
38	1½	2	-----	89.0	95.5	57.0	69.85	35.71	38.0	---	12.7	----	61.24	-----	-----	---
			1102-24-32M12				(2.750)	(1.406)		---		M12 x 1.75	(2.411)	-----	-----	---
38	1½	2	-----	89.0	95.5	57.0	69.85	35.71	38.0	---	12.7	----	61.24	-----	-----	---
			1102-24-32M14*				(2.750)	(1.406)		---		M14 x 2	(2.411)	-----	-----	---
51	2	1½	1101-32-24M12	82.5	101.5	38.0	77.77	42.88	38.0	13.0	12.7	----	48.77	MKM 3501	M12 x 55	228
			(3.062)				(1.688)	---		M12 x 1.75		(1.920)	-----	-----	---	
51	2	1½	1101-32-24M14*	82.5	101.5	38.0	77.77	42.88	38.0	15.0	12.7	----	48.77	MKM 506	M14 x 60	228
			(3.062)				(1.688)	---		M14 x 2		(1.920)	-----	-----	---	
51	2	2	1101-32-32M12	82.5	101.5	38.0	77.77	42.88	49.2	13.0	15.7	----	61.24	MKM 3501	M12 x 55	228
			(3.062)				(1.688)	---		M12 x 1.75		(2.411)	-----	-----	---	
51	2	2	1101-32-32M14*	82.5	101.5	38.0	77.77	42.88	49.2	15.0	15.7	----	61.24	MKM 506	M14 x 60	228
			(3.062)				(1.688)	---		M14 x 2		(2.411)	-----	-----	---	
51	2	2½	-----	101.5	101.5	63.0	77.77	42.88	49.2	---	12.7	----	73.94	-----	-----	---
			1102-32-40M12				(3.062)	(1.688)		---		M12 x 1.75	(2.911)	-----	-----	---
51	2	2½	-----	101.5	101.5	63.0	77.77	42.88	49.2	---	12.7	----	73.94	-----	-----	---
			1102-32-40M14*				(3.062)	(1.688)		---		M14 x 2	(2.911)	-----	-----	---

① Order Separately

\*Non Standard Bolt For This Flange Size.

MATERIAL : STEEL

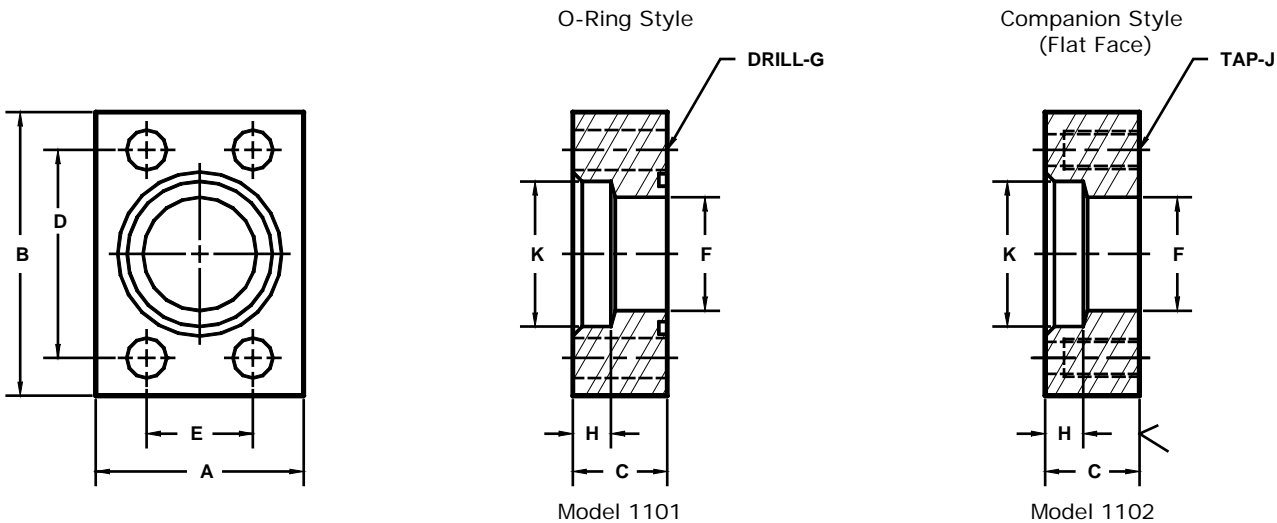
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NOTE: DIMENSIONS ARE IN MILLIMETERS. INCH EQUIVALENTS IN ( ).

Developers and Manufacturers of Hydraulic Flanges & Components

## SOCKET WELD IN-LINE PIPE FLANGES

ISO 6162-1 PATTERN / J518 61 SERIES METRIC



FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT <sup>①</sup>		
													PART NO.	BOLT SIZE	O-RING
64 <sup>②</sup>	2½	2	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	49.2	13.0 ---	15.7	----	61.24	MKM 4511	M12 x 60	232
											M12 x 1.75	(2.411)	-----	-----	---
64 <sup>②</sup>	2½	2	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	49.2	15.0 ---	15.7	----	61.24	MKM 507	M14 x 65	232
											M14 x 2	(2.411)	-----	-----	---
64 <sup>②</sup>	2½	2½	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	62.0	13.0 ---	19.0	----	73.94	MKM 4511	M12 x 60	232
											M12 x 1.75	(2.911)	-----	-----	---
64 <sup>②</sup>	2½	2½	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	62.0	15.0 ---	19.0	----	73.94	MKM 507	M14 x 65	232
											M14 x 2	(2.911)	-----	-----	---
76 <sup>③</sup>	3	2½	114.0	135.0	50.5	106.38 (4.188)	61.93 (2.438)	62.0	17.0 ---	19.0	----	73.94	MKM 508	M16 x 75	237
											M16 x 2	(2.911)	-----	-----	---
76 <sup>③</sup>	3	3	114.0	135.0	50.5	106.38 (4.188)	61.93 (2.438)	74.6	17.0 ---	19.0	----	89.92	MKM 508	M16 x 75	237
											M16 x 2	(3.540)	-----	-----	---
89 <sup>④</sup>	3½	3	127.0	152.5	38.0	120.65 (4.750)	69.85 (2.750)	74.6	17.0 ---	19.0	----	89.92	MKM 509	M16 x 65	241
											M16 x 2	(3.540)	-----	-----	---
89 <sup>④</sup>	3½	3½	127.0	152.5	38.0	120.65 (4.750)	69.85 (2.750)	87.3	17.0 ---	19.0	----	102.74	MKM 509	M16 x 65	241
											M16 x 2	(4.045)	-----	-----	---
102 <sup>④</sup>	4	3	139.5	162.0	38.0	130.18 (5.125)	77.77 (3.062)	74.6	17.0 ---	19.0	----	89.92	MKM 510	M16 x 60	245
											M16 x 2	(3.540)	-----	-----	---
102 <sup>④</sup>	4	3½	139.5	162.0	38.0	130.18 (5.125)	77.77 (3.062)	87.3	17.0 ---	19.0	----	102.74	MKM 510	M16 x 60	245
											M16 x 2	(4.045)	-----	-----	---
102 <sup>④</sup>	4	4	139.5	162.0	38.0	130.18 (5.125)	77.77 (3.062)	100.0	17.0 ---	19.0	----	115.57	MKM 510	M16 x 60	245
											M16 x 2	(4.550)	-----	-----	---
127 <sup>④</sup>	5	4	177.5	184.0	50.5	152.40 (6.000)	92.08 (3.625)	100.0	17.0 ---	19.0	----	115.57	MKM 511	M16 x 75	253
											M16 x 2	(4.550)	-----	-----	---
127 <sup>④</sup>	5	5	177.5	184.0	50.5	152.40 (6.000)	92.08 (3.625)	125.5	17.0 ---	19.0	----	143.13	MKM 511	M16 x 75	253
											M16 x 2	(5.635)	-----	-----	---

① Order Separately    ② 16 MPa Max    ③ 10 MPa Max    ④ 2.5 MPa Max  
\*Non Standard Bolt For This Flange Size.

MATERIAL : STEEL  
1/07

NOTE: DIMENSIONS ARE IN MILLIMETERS. INCH EQUIVALENTS IN ().