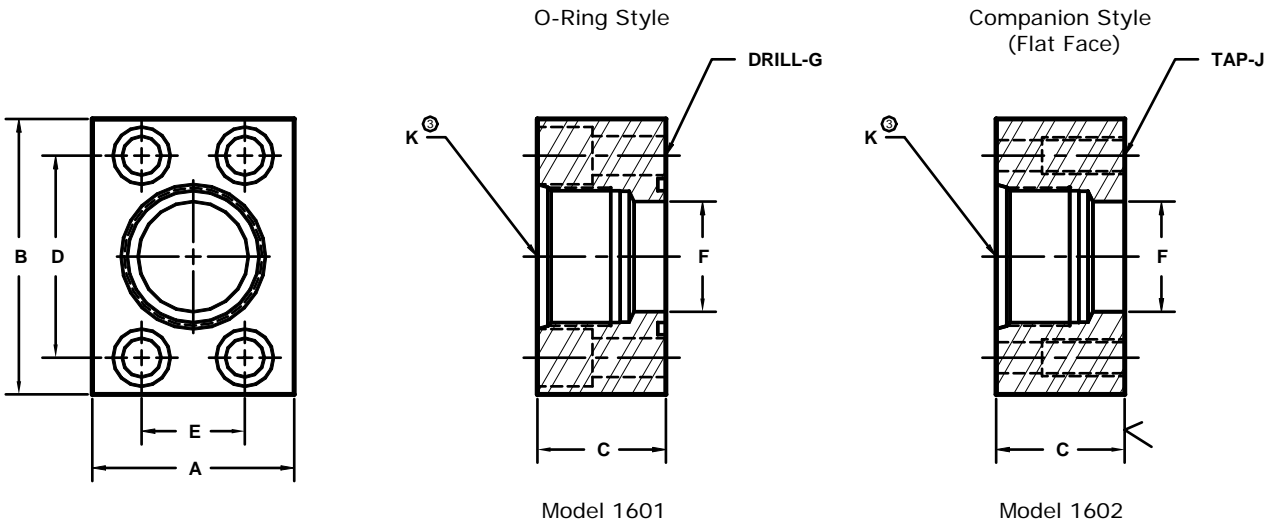


Developers and Manufacturers of Hydraulic Flanges & Components

## ISO 6149 THREADED IN-LINE FLANGES

ISO 6162-1 PATTERN / J518 61 SERIES METRIC



FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G	J	K	MOUNTING KIT <sup>①</sup>		
												PART NO.	BOLT SIZE	O-RING
13	1/2	1601-08-04M8	38.0	54.0	31.5	38.10	17.48	9.4	8.5	----	M12 x 1.5	MKM 501	M8 x 30	210
		1602-08-04M8				(1.500)	(.688)		---	M8 x 1.25		-----	-----	---
13	1/2	1601-08-06M8	38.0	54.0	31.5	38.10	17.48	11.9	8.5	----	M16 x 1.5	MKM 501	M8 x 30	210
		1602-08-06M8				(1.500)	(.688)		---	M8 x 1.25		-----	-----	---
13	1/2	1601-08-08M8	38.0	54.0	31.5	38.10	17.48	12.5	8.5	----	M18 x 1.5	MKM 501	M8 x 30	210
		1602-08-08M8				(1.500)	(.688)		---	M8 x 1.25		-----	-----	---
19	3/4	1601-12-08M10	44.5	66.5	38.0	47.63	22.23	16.7	10.5	----	M18 x 1.5	MKM 1525	M10 x 35	214
		1602-12-08M10				(1.875)	(.875)		---	M10 x 1.5		-----	-----	---
19	3/4	1601-12-10M10	44.5	66.5	38.0	47.63	22.23	12.5	10.5	----	M22 x 1.5	MKM 1525	M10 x 35	214
		1602-12-10M10				(1.875)	(.875)		---	M10 x 1.5		-----	-----	---
19	3/4	1601-12-12M10	44.5	66.5	38.0	47.63	22.23	19.0	10.5	----	M27 x 2	MKM 1525	M10 x 35	214
		1602-12-12M10				(1.875)	(.875)		---	M10 x 1.5		-----	-----	---
25	1	1601-16-08M10	51.0	71.5	38.0	52.37	26.19	16.7	10.5	----	M18 x 1.5	MKM 1542	M10 x 35	219
		1602-16-08M10				(2.062)	(1.031)		---	M10 x 1.5		-----	-----	---
25	1	1601-16-12M10	51.0	71.5	38.0	52.37	26.19	23.8	10.5	----	M27 x 2	MKM 1542	M10 x 35	219
		1602-16-12M10				(2.062)	(1.031)		---	M10 x 1.5		-----	-----	---
25	1	1601-16-16M10	51.0	71.5	38.0	52.37	26.19	25.0	10.5	----	M33 x 2	MKM 1542	M10 x 35	219
		1602-16-16M10				(2.062)	(1.031)		---	M10 x 1.5		-----	-----	---
32	1 1/4	1601-20-16M10	63.5	81.0	38.0	58.72	30.18	30.4	10.5	----	M33 x 2	MKM 4520	M10 x 35	222
		1602-20-16M10				(2.312)	(1.188)		---	M10 x 1.5		-----	-----	---
32	1 1/4	1601-20-16M12*	63.5	81.0	38.0	58.72	30.18	30.4	12.5	----	M33 x 2	MKM 1527	M12 x 40	222
		1602-20-16M12*				(2.312)	(1.188)		---	M12 x 1.75		-----	-----	---
32	1 1/4	1601-20-20M10	63.5	81.0	38.0	58.72	30.18	31.5	10.5	----	M42 x 2	MKM 4520	M10 x 35	222
		1602-20-20M10				(2.312)	(1.188)		---	M10 x 1.5		-----	-----	---
32	1 1/4	1601-20-20M12*	63.5	81.0	38.0	58.72	30.18	31.5	12.5	----	M42 x 2	MKM 1527	M12 x 40	222
		1602-20-20M12*				(2.312)	(1.188)		---	M12 x 1.75		-----	-----	---

① Order Separately

③ The pressure rating of the assembly should not exceed the lower of the flange pad or the fitting. Check the fitting manufacturer for details.

MATERIAL : STEEL  
1/07

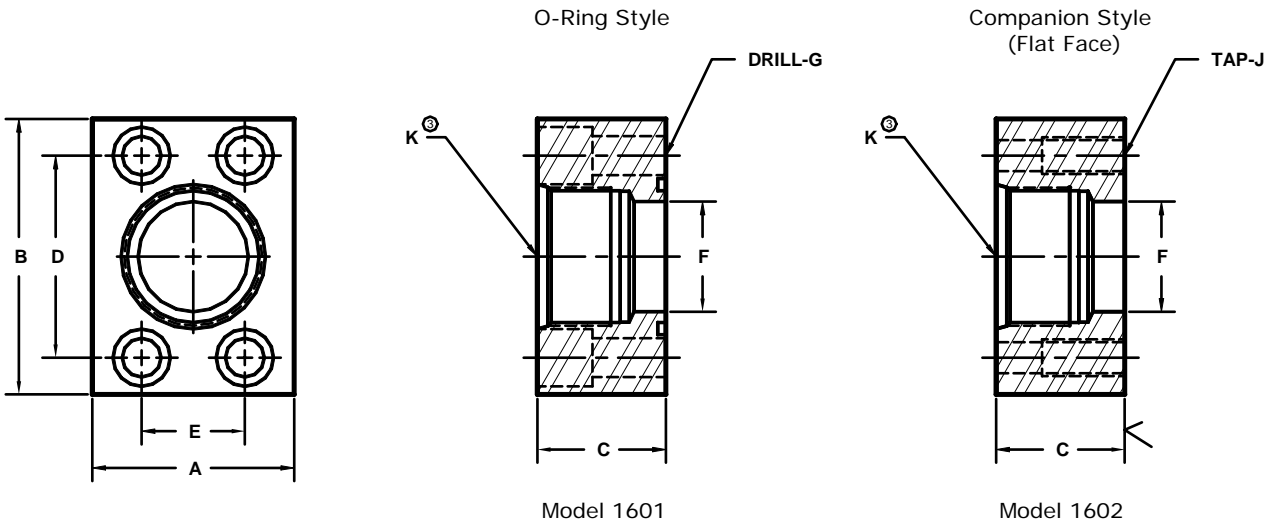
\* Non Standard Bolt For This Flange Size.

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

Developers and Manufacturers of Hydraulic Flanges & Components

## ISO 6149 THREADED IN-LINE FLANGES

ISO 6162-1 PATTERN / J518 61 SERIES METRIC



FLANGE SIZE		PORT SIZE	PART NUMBER	A	B	C	D	E	F	G	J	K	MOUNTING KIT <sup>①</sup>		
													PART NO.	BOLT SIZE	O-RING
38	1½	-20	1601-24-20M12	70.0	95.5	44.0	69.85 (2.750)	35.71 (1.406)	38.0	13.0	----	M42 x 2	MKM 2599	M12 x 45	225
			1602-24-20M12								----		-----	---	
38	1½	-20	1601-24-20M14*	70.0	95.5	44.0	69.85 (2.750)	35.71 (1.406)	38.0	15.0	----	M42 x 2	MKM 1547	M14 x 45	225
			1602-24-20M14*								----		-----	---	
38	1½	-24	1601-24-24M12	70.0	95.5	44.0	69.85 (2.750)	35.71 (1.406)	38.0	13.0	----	M48 x 2	MKM 2599	M12 x 45	225
			1602-24-24M12								----		-----	---	
38	1½	-24	1601-24-24M14*	70.0	95.5	44.0	69.85 (2.750)	35.71 (1.406)	38.0	15.0	----	M48 x 2	MKM 1547	M14 x 45	225
			1602-24-24M14*								----		-----	---	
51	2	-24	1601-32-24M12	82.5	101.5	44.0	77.77 (3.062)	42.88 (1.688)	44.9	13.0	----	M48 x 2	MKM 4513	M12 x 45	228
			1602-32-24M12								----		-----	---	
51	2	-24	1601-32-24M14*	82.5	101.5	44.0	77.77 (3.062)	42.88 (1.688)	44.9	15.0	----	M48 x 2	MKM 582	M14 x 45	228
			1602-32-24M14*								----		-----	---	
51	2	-32	1601-32-32M12	82.5	101.5	44.0	77.77 (3.062)	42.88 (1.688)	49.2	13.0	----	M60 x 2	MKM 4513	M12 x 45	228
			1602-32-32M12								----		-----	---	
51	2	-32	1601-32-32M14*	82.5	101.5	44.0	77.77 (3.062)	42.88 (1.688)	49.2	15.0	----	M60 x 2	MKM 582	M14 x 45	228
			1602-32-32M14*								----		-----	---	
64 <sup>②</sup>	2½	-24	1601-40-24M12	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	44.9	13.0	----	M48 x 2	MKM 3562	M12 x 45	232
			1602-40-24M12								----		-----	---	
64 <sup>②</sup>	2½	-24	1601-40-24M14*	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	44.9	15.0	----	M48 x 2	MKM 1528	M14 x 45	232
			1602-40-24M14*								----		-----	---	
64 <sup>②</sup>	2½	-32	1601-40-32M12	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	54.0	13.0	----	M60 x 2	MKM 3562	M12 x 45	232
			1602-40-32M12								----		-----	---	
64 <sup>②</sup>	2½	-32	1601-40-32M14*	101.5	114.0	44.0	88.90 (3.500)	50.80 (2.000)	54.0	15.0	----	M60 x 2	MKM 1528	M14 x 45	232
			1602-40-32M14*								----		-----	---	

① Order Separately    ② 16 MPa Max    ③ The pressure rating of the assembly should not exceed the lower of the flange pad or the fitting. Check the fitting manufacturer for details.    MATERIAL : STEEL 1/07

\* Non Standard Bolt For This Flange Size.

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