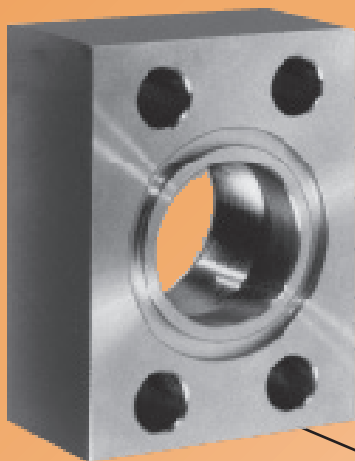
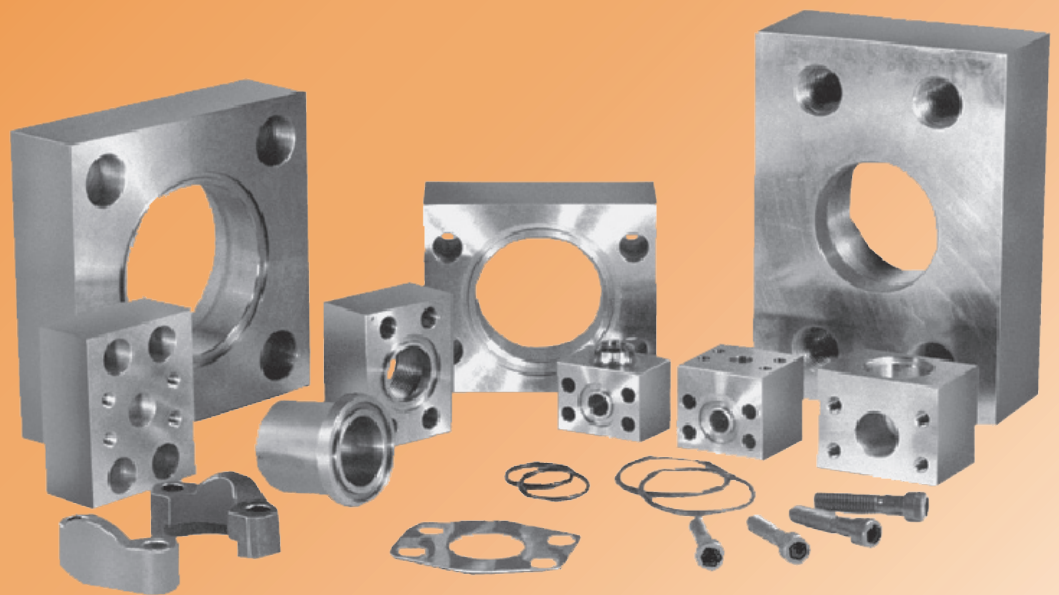


‘MAIN’ HYDRAULIC FLANGES AND COMPONENTS



EXPERIENCE: Over 55 Years of Dependability

48,000 square foot State-of-the-Art manufacturing facility

4-bolt Flanges manufactured in the USA

QUICK DELIVERY: Over 5 Million Dollar Inventory

Flanges available in St., El., Tee, Wye, and other configurations

Ports available include Socket Weld, Butt Weld, NPTF and others

MTR's available on Stainless Steel and common Carbon Steel flanges

MAIN MANUFACTURING PRODUCTS
3181 TRI-PARK DRIVE
GRAND BLANC, MICHIGAN 48439

www.MAINmfg.com
info@MAINmfg.com

TOLL FREE PHONE: 800-521-7918
MICHIGAN PHONE: 810-953-1380
FAX: 810-953-1385

MAIN FLANGES ASSURE YOU OF THESE ADVANTAGES

- ✓ EXPERIENCE - Over 55 years experience in designing, developing, manufacturing, and distributing *quality* hydraulic flanges and components.
- ✓ ASSISTANCE - Engineers are active on ISO, SAE and NFPA technical committees and are available to assist you with a toll free call (USA & CANADA) **800-521-7918** or 810-953-1380. Faxes can be sent to 810-953-1385. E-mail inquiries to **info@MAINmfg.com**. Our "Quick Reference Guide" or **MAIN'S** web site, **MAINmfg.com** can also help.
- ✓ QUICK DELIVERY - Over 5 million dollar inventory and over 15,000 different items, including some specials, available for stock delivery. Our 48,000 square foot state-of-the-art manufacturing facility with specialized tooling and fixtures allows **MAIN** to manufacture parts quickly, when items are not in stock.

THE RIGHT PART, RIGHT TIME, RIGHT PRICE

MAIN manufactures components to SAE, ISO, Japanese, German, British and many company standards with nearly 7,000 special blueprints going back over 50 years. Most non-stock items are available in a few days. **MAIN** stocks 200+ tons of raw steel and STAINLESS to 15" X 15". Our staff can be of great assistance with up to 35 years experience and working on SAE, NFPA, and ISO standards committees.

INCREASE YOUR PROFITS

Downtime costs money! Because **MAIN** has the skill, knowledge, experience, materials, and tools, in-house, we can help keep your production lines going. Usually delivery time will be much less than attempting to engineer and make the flange in your own facility. You can be assured of receiving a flange manufactured to the highest industry standards.

OVER 5,000 NON-CATALOGED ITEMS IN STOCK

MAIN manufactures over 15,000 items in Michigan. Every week a few new items are added. This 120 page paper catalog shows only a few, while the electronic and on-line catalog has over 200 pages of flanges and fittings. Visit **MAINmfg.com** to view these pages or request our USB Flash Drive.

MATERIALS

MAIN can manufacture parts from any commercially available metal quickly and efficiently.

☛ Carbon Steel	☛ Stainless Steel	☛ Pressure Vessel Quality
☛ Hastelloy	☛ Monel	☛ Aluminum
☛ Cupro-Nickel	☛ Inconel	

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4 BOLT SQUARE FLANGES

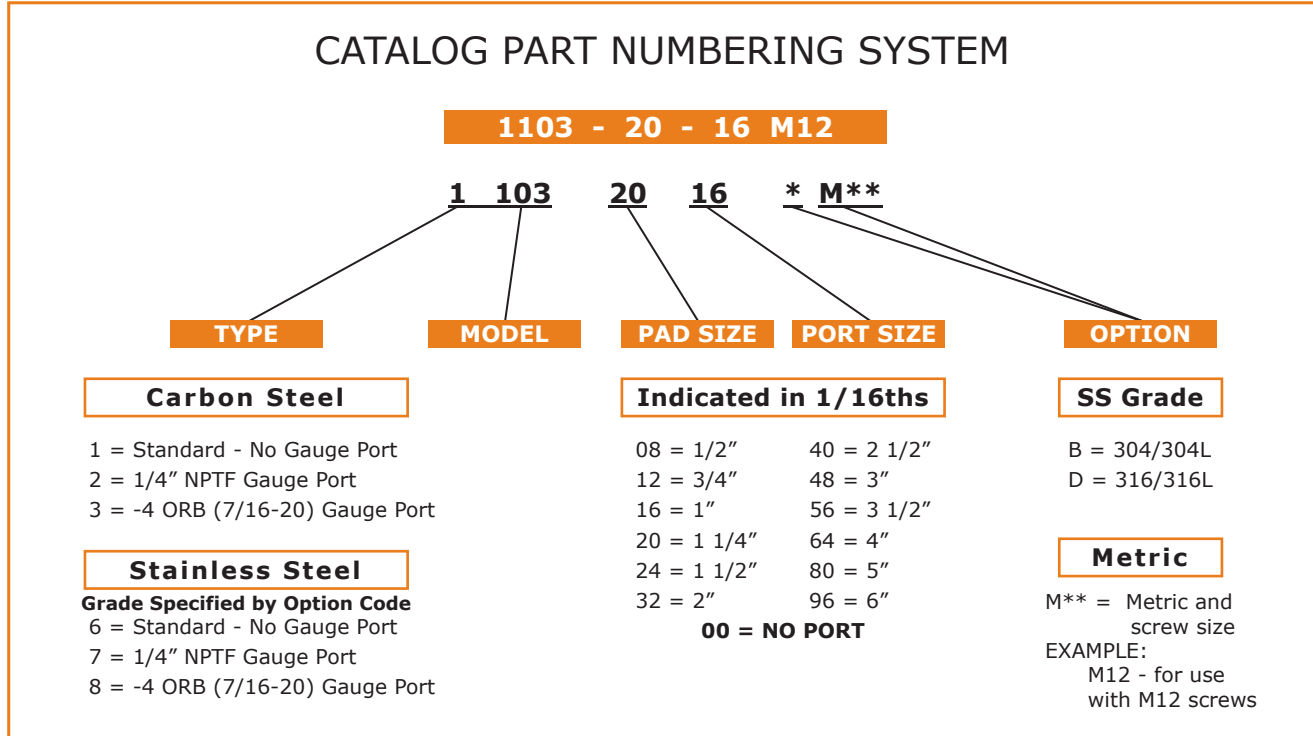
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PREFACE AND ORDERING INFORMATION

Six items will normally describe a flange: PAD (pattern and screw size), TYPE (O-Ring or Flat Faced), PORT (size and type), GEOMETRY, MATERIAL, and OPTIONS. Our way of describing these items uses **MAIN Manufacturing Products'** "Standard Catalog Part Numbering System" as follows:



Currently **MAIN** has over 500 Model numbers. This catalog shows only the most popular styles. **Many other styles and patterns are in stock.** Some special parts are under other part numbering systems. Please contact us with specific requirements.

MATERIAL SPECIFICATIONS

Most **MAIN** flanges are manufactured from steel specifically ordered from the mill with special requirements on internal soundness and surface finish. Socket and butt weld flanges are manufactured from a low carbon steel with excellent welding characteristics. Standard threaded flanges may be manufactured from a low carbon leaded or resulfurized steel for superior threading. To specify stainless steel, see above. Other materials are available. **If certification is required, it must be specified in advance so that the order can be properly quoted and handled.**

SAE 4-BOLT HYDRAULIC FLANGES

MAIN's SAE flanges are manufactured in accordance with the bolt pattern and O-Rings of SAE J518 specifications, either Code 61 or Code 62, and ISO 6162. Stock flanges include socket weld, butt weld, NPTF, and straight thread connections and are available as reducers, in-line, elbows, tees and wyes. Companion (flat-faced) flanges, for unions or converting split flange connections to pipe or tubing, are available with either inch or metric threads (see above for ordering information). The stated pressures are from the SAE J518 and are not derived by **MAIN**. Connections are no stronger than the weakest link (including welds, fasteners, and fittings, especially larger straight threads).

GAUGE PORTS

Flanges are available with 1/4" NPTF or -4 ORB threaded gauge ports for a nominal charge. Other sizes and types (BSPT, BSPP, ISO 6149) are available at a higher cost and slightly longer lead times.

SPECIAL FLANGES

MAIN Manufacturing Products, Inc. has manufactured hundreds of "special flanges" which do not fit any established bolt hole spacing. We welcome the opportunity to quote on any particular flange not shown in either the catalog or on-line. With over 55 years of manufacturing, the flange you need could easily be on our shelves but not cataloged. This includes flanges to ISO 6162, ISO 6164, JIS, or DIN standards and/or flanges with blind, ISO 6149, BSPP, BSPT, or butt weld ports. Run tees, branch tees, wyes, and crosses are also available. **Visit MAINmfg.com for more options or call 800-521-7918.**

SPECIAL PRODUCTS and CONTRACT MACHINING

MAIN Manufacturing Products, Inc. has specialized in the production of various hydraulic components, including hydraulic flanges, adapters, cylinder end caps, and block manifolds. Our engineering staff is always available for consultation on special products, special designs or other contract machining.

MOUNTING KITS (must be ordered separately)

The part number shown DOES NOT INCLUDE the mounting kit. This allows the customer to specify the type of screw and O-Ring material required. Generally the mounting kit numbers shown in the catalog include: 4 socket head screws, 4 hi-collar lock washers, and one Buna-N O-Ring. The third digit from the right (5-8) designates the type of mounting kit.

MK 5**, MK 15**, MK 25**, MK 35** series: Socket head screws, lock washers, & Buna-N O-Ring
MK 6**, MK 16**, MK 26**, MK 36** series: Socket head screws, lock washers, & Viton O-Ring
MK 7**, MK 17**, MK 27**, MK 37** series: Hex head screws, lock washers, & Buna-N O-Ring
MK 8**, MK 18**, MK 28**, MK 38** series: Hex head screws, lock washers, & Viton O-Ring

To specify stainless screws, add an SS at the end of the kit number (MK 533SS). **Please note that using stainless steel screws may reduce the pressure rating of the assembly.**

LIMITED WARRANTY

The soundness of steel cannot and is not guaranteed by steel manufacturers as it is always possible that any fluid connector may leak from a pinhole or porosity in the steel, not detectable commercially. Therefore, EXCEPT FOR DIMENSIONAL ACCURACY, THE MANUFACTURER HAS MADE NO AFFIRMATION OF FACT AND HAS MADE NO PROMISE RELATING TO THE GOODS BEING SOLD, WHICH HAS BECOME PART OF THE BASIS OF THE BARGAIN MADE OR HAS CREATED OR AMOUNTED TO AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY SUCH AFFIRMATION OR PROMISE OTHER THAN DIMENSIONAL ACCURACY. ALSO, THE MANUFACTURER DISCLAIMS ANY WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSES AND ANY IMPLIED WARRANTY OF MERCHANTABILITY WHATSOEVER WITH RESPECT TO THE GOODS BEING SOLD AND BUYER ACKNOWLEDGES THAT HE IS NOT RELYING ON SELLER'S SKILL OR JUDGMENT TO SELECT OR FURNISH GOODS SUITABLE FOR ANY PARTICULAR PURPOSES.

LIMITATION OF REMEDY

Catalog dimensions are for reference only and subject to engineering changes as the policy of **MAIN Manufacturing Products, Inc.** is one of continuous improvement. If dimensions are critical, request certified drawings. The sole remedy for breach of this warranty will extend only to the repair or the replacement of the defective part when returned, freight prepaid, within 90 days from purchase, after receiving permission for same. Seller will not be responsible for consequential damage.

SALES TERMS AND CONDITIONS

MAIN Standard Terms and Conditions apply on all orders unless approved in writing by the SALES MANAGER or GENERAL MANAGER ONLY.

ORDERING

- A. Standard Parts:** Order by **MAIN** Part Number, with description, to assure accuracy.
- B. Special Parts:** Please furnish full information including drawings, dimensions, and system pressure if available.
- C. Confirming Orders:** Confirming orders must be marked with "**CONFIRMING**" preferably across the order. **MAIN** cannot be responsible for a shipment against an unmarked order.
- D. Telephone Orders:** Telephone orders requesting shipment before receipt of written confirming order will be at customer's risk.

TERMS

- E. Payment Terms:** Standard terms are Net 30 days on approved credit (OAC).
- F. Shipping Terms:** EXW Grand Blanc, MI, USA. Title and possession will pass to the customer upon delivery to the carrier. Claims for damage in transit should be made by the customer to the carrier within the shorter of 3 days or the timeframe set by the carrier.
- G. Shortages:** Claims for shortages or other shipping errors must be made within three days of receipt.

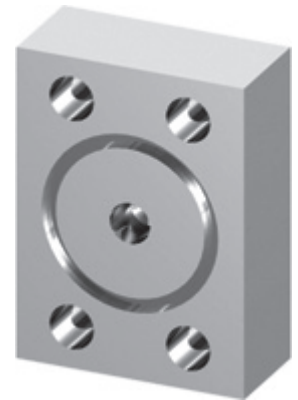
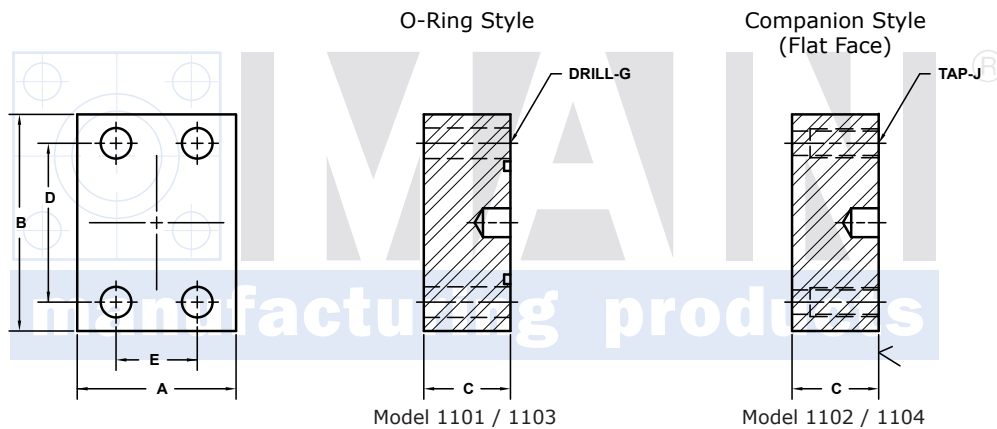
RETURNS

- H. Qualifying:** No return of special parts, parts beyond 6 months from ship date, or parts beyond our stocking limitations.
- I. Authorized:** Returns must be authorized by obtaining our "Return Goods Authorization" (RGA) form and including a copy with the return. Unauthorized returns will be returned freight collect.
- J. Timing:** Parts must be within 6 months from ship date and returned within 20 days of RGA issuance.
- K. Credit:** Credit will be at the lower of original price or current price, less: 20% restocking, \$25.00 handling, and less any necessary repair charges.
- L. Freight:** For parts shipped due to our error, credit will be issued for ground freight charges. Credit for premium freight will not be allowed.
- M. Return Freight:** Return freight to be prepaid by customer.
- N. Cancellations:** Purchase orders cancelled after production has begun or parts packed will be charged a cancellation charge.
- O. NOTICE:** These parts are precision made parts and require careful handling and secure packaging. Parts must be received in resalable condition.

BLIND FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	NA	1101-08-00	1.50	2.12	.75	1.500	.688		.34			MK 501	5/16-18 x 1 1/4	210	.7
		1102-08-00							5/16-18			-----	-----	---	
3/4	NA	1101-12-00	1.75	2.62	1.00	1.875	.875		.41			MK 502	3/8-16 x 1 3/4	214	1.2
		1102-12-00							3/8-16			-----	-----	---	
1	NA	1101-16-00	2.00	2.82	1.00	2.062	1.031		.41			MK 503	3/8-16 x 1 3/4	219	1.5
		1102-16-00							3/8-16			-----	-----	---	
1 1/4	NA	1101-20-00	2.50	3.19	1.00	2.312	1.188		.47			MK 504	7/16-14 x 1 3/4	222	2.0
		1102-20-00							7/16-14			-----	-----	---	
1 1/2	NA	1101-24-00	2.75	3.75	1.25	2.750	1.406		.53			MK 505	1/2-13 x 2	225	3.3
		1102-24-00							1/2-13			-----	-----	---	
2	NA	1101-32-00	3.25	4.00	1.50	3.062	1.688		.53			MK 506	1/2-13 x 2 1/4	228	5.2
		1102-32-00							1/2-13			-----	-----	---	
2 1/2 ^②	NA	1101-40-00	4.00	4.50	1.75	3.500	2.000		.53			MK 507	1/2-13 x 2 1/2	232	8.5
		1102-40-00							1/2-13			-----	-----	---	
3 ^③	NA	1101-48-00	4.50	5.31	2.00	4.188	2.438		.66			MK 508	5/8-11 x 3	237	12.8
		1102-48-00							5/8-11			-----	-----	---	
3 1/2 ^④	NA	1101-56-00	5.00	6.00	1.50	4.750	2.750		.66			MK 509	5/8-11 x 2 1/2	241	12.3
		1102-56-00							5/8-11			-----	-----	---	
4 ^④	NA	1101-64-00	5.50	6.38	1.50	5.125	3.062		.66			MK 510	5/8-11 x 2 1/2	245	14.5
		1102-64-00							5/8-11			-----	-----	---	
5 ^④	NA	1101-80-00	7.00	7.25	2.00	6.000	3.625		.66			MK 511	5/8-11 x 3	253	28.1
		1102-80-00							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



Model 1101 / 1103

Model 1102 / 1104

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	NA	1103-08-00	1.75	2.22	1.00	1.594	.718		.34			MK 512	5/16-18 x 1 1/2	210	.9
		5/16-18							-----			-----	---		
¾	NA	1103-12-00	2.00	2.81	1.00	2.000	.937		.41			MK 502	3/8-16 x 1 3/4	214	1.4
		3/8-16							-----			-----	---		
1	NA	1103-16-00	2.25	3.19	1.00	2.250	1.093		.47			MK 513	7/16-14 x 1 3/4	219	1.8
		7/16-14							-----			-----	---		
1¼	NA	1103-20-00	2.75	3.75	1.25	2.625	1.250		.53			MK 514	1/2-13 x 2	222	3.3
		1/2-13							-----			-----	---		
1½	NA	1103-24-00	3.25	4.50	1.50	3.125	1.437		.66			MK 515	5/8-11 x 2 1/2	225	5.7
		5/8-11							-----			-----	---		
2	NA	1103-32-00	4.00	5.25	1.75	3.812	1.750		.78			MK 516	3/4-10 x 3	228	9.7
		3/4-10							-----			-----	---		
2½	NA	1103-40-00	5.00	6.88	2.00	4.875	2.312		.94			MK 517	7/8-9 x 3 1/2	232	18.2
		7/8-9							-----			-----	---		
3	NA	1103-48-00	6.00	8.50	2.50	6.000	2.812		1.19			MK 718	1 1/8-7 x 4 1/2	237	33.5
		1 1/8-7							-----			-----	---		

① Order Separately

② 2500 PSI Max

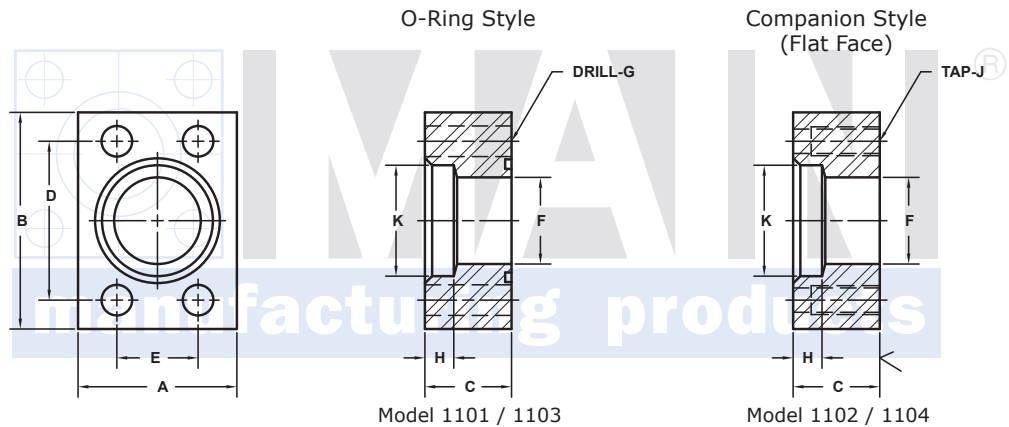
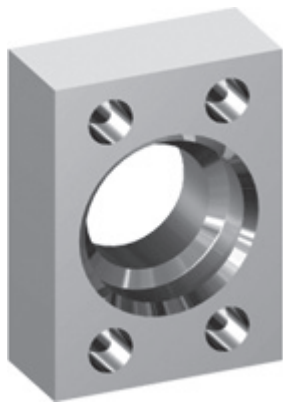
③ 2000 PSI Max

④ 500 PSI Max

SOCKET WELD PIPE IN-LINE FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1101-08-08	1.50	2.12	.75	1.500	.688	.50	.34	.38	.860	MK 501	5/16-18 x 1 1/4	210	.5
		1102-08-08							5/16-18			-----	-----	---	
3/4	1/2	1101-12-08	1.75	2.62	1.00	1.875	.875	.50	.41	.38	.860	MK 502	3/8-16 x 1 3/4	214	1.1
		1102-12-08							3/8-16			-----	-----	---	
3/4	3/4	1101-12-12	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.0
		1102-12-12							3/8-16			-----	-----	---	
1	3/4	1101-16-12	2.00	2.82	1.00	2.062	1.031	.75	.41	.50	1.070	MK 503	3/8-16 x 1 3/4	219	1.3
		1102-16-12							3/8-16			-----	-----	---	
1	1	1101-16-16	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.335	MK 503	3/8-16 x 1 3/4	219	1.2
		1102-16-16							3/8-16			-----	-----	---	
1 1/4	1	1101-20-16	2.50	3.19	1.00	2.312	1.188	1.00	.47	.50	1.335	MK 504	7/16-14 x 1 3/4	222	1.6
		1102-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1101-20-20	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.680	MK 504	7/16-14 x 1 3/4	222	1.5
		1102-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.19	2.50	2.312	1.188	1.25	---	.50	1.920	-----	-----	---	5.4
		1102-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/4	1101-24-20	2.75	3.75	1.25	2.750	1.406	1.25	.53	.50	1.680	MK 505	1/2-13 x 2	225	2.8
		1102-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1101-24-24	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		1102-24-24							1/2-13			-----	-----	---	
1 1/2	2	-----	3.50	3.75	2.25	2.750	1.406	1.50	---	.50	2.411	-----	-----	---	3.2
		1102-24-32							1/2-13			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

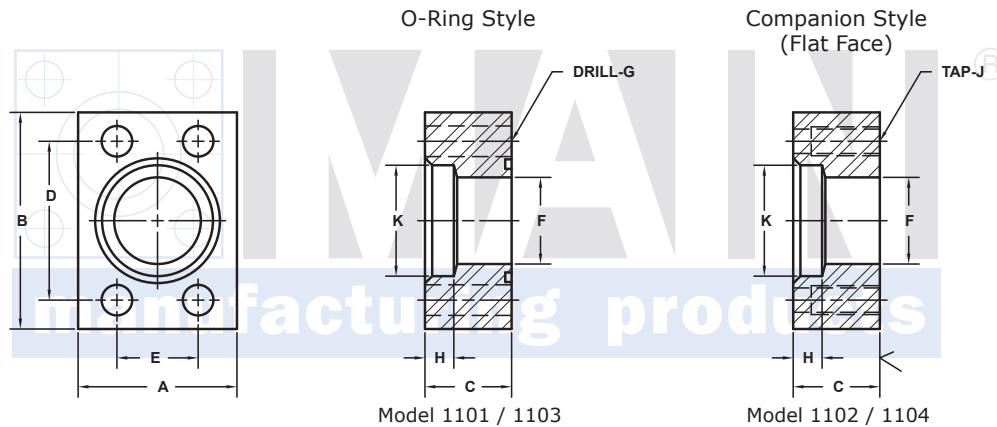
SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1103-08-08	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.860	MK 512	5/16-18 x 1 1/2	210	.8
		1104-08-08							5/16-18			-----	-----	---	
3/4	1/2	1103-12-08	2.00	2.81	1.00	2.000	.937	.50	.41	.50	.860	MK 502	3/8-16 x 1 3/4	214	1.4
		1104-12-08							3/8-16			-----	-----	---	
3/4	3/4	1103-12-12	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.3
		1104-12-12							3/8-16			-----	-----	---	
1	3/4	1103-16-12	2.25	3.19	1.00	2.250	1.093	.75	.47	.50	1.070	MK 513	7/16-14 x 1 3/4	219	1.7
		1104-16-12							7/16-14			-----	-----	---	
1	1	1103-16-16	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.335	MK 513	7/16-14 x 1 3/4	219	1.5
		1104-16-16							7/16-14			-----	-----	---	
1 1/4	1	1103-20-16	2.75	3.75	1.25	2.625	1.250	1.00	.53	.50	1.335	MK 514	1/2-13 x 2	222	2.9
		1104-20-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1103-20-20	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		1104-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.75	2.00	2.625	1.250	1.25	---	.50	1.920	-----	-----	---	5.1
		1104-20-24							1/2-13			-----	-----	---	

① Order Separately

SOCKET WELD PIPE IN-LINE FLANGES (Pg 2/2)

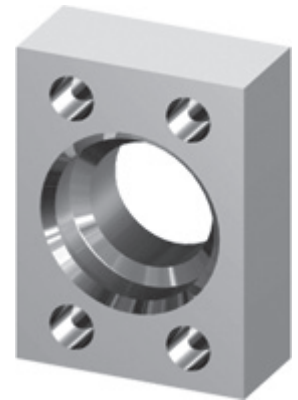
SAE BOLT PATTERN										61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT	
									J			PART NO.	SCREW SIZE	O-RING		
2	1¼	1101-32-20	3.25	4.00	1.50	3.062	1.688	1.25	.53	.50	1.680	MK 506	1/2-13 x 2 1/4	228	4.5	
		1102-32-20							1/2-13			-----	-----	---		
2	1½	1101-32-24	3.25	4.00	1.50	3.062	1.688	1.50	.53	.50	1.920	MK 506	1/2-13 x 2 1/4	228	4.3	
		1102-32-24							1/2-13			-----	-----	---		
2	2	1101-32-32	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6	
		1102-32-32							1/2-13			-----	-----	---		
2½ ^②	2	1101-40-32	4.00	4.50	1.75	3.500	2.000	1.94	.53	.62	2.411	MK 507	1/2-13 x 2 1/2	232	6.8	
		1102-40-32							1/2-13			-----	-----	---		
2½ ^②	2½	1101-40-40	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7	
		1102-40-40							1/2-13			-----	-----	---		
3 ^③	2½	1101-48-40	4.50	5.31	2.00	4.188	2.438	2.44	.66	.75	2.911	MK 508	5/8-11 x 3	237	9.7	
		1102-48-40							5/8-11			-----	-----	---		
3 ^③	3	1101-48-48	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3	
		1102-48-48							5/8-11			-----	-----	---		
3½ ^④	3	1101-56-48	5.00	6.00	1.50	4.750	2.750	2.94	.66	.75	3.540	MK 509	5/8-11 x 2 1/2	241	8.5	
		1102-56-48							5/8-11			-----	-----	---		
3½ ^④	3½	1101-56-56	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.5	
		1102-56-56							5/8-11			-----	-----	---		
4 ^④	4	1101-64-64	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3	
		1102-64-64							5/8-11			-----	-----	---		
5 ^④	5	1101-80-80	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	16.0	
		1102-80-80							5/8-11			-----	-----	---		

MATERIAL:
Low Carbon Steel



Model 1101 / 1103

Model 1102 / 1104



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1103-24-20	3.25	4.50	1.50	3.125	1.437	1.25	.66	.50	1.680	MK 515	5/8-11 x 2 1/2	225	5.1
		1104-24-20							5/8-11			-----	-----	---	
1½	1½	1103-24-24	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.8
		1104-24-24							5/8-11			-----	-----	---	
1½	2	-----	4.00	4.50	3.00	3.125	1.437	1.50	---	.62	2.411	-----	-----	---	12.6
		1104-24-32							5/8-11			-----	-----	---	
2	1½	1103-32-24	4.00	5.25	1.75	3.812	1.750	1.50	.78	.50	1.920	MK 516	3/4-10 x 3	228	8.5
		1104-32-24							3/4-10			-----	-----	---	
2	2	1103-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		1104-32-32							3/4-10			-----	-----	---	
2½	2	1103-40-32	5.00	6.88	2.00	4.875	2.312	1.94	.94	.62	2.411	MK 517	7/8-9 x 3 1/2	232	15.7
		1104-40-32							7/8-9			-----	-----	---	
2½	2½	1103-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		1104-40-40							7/8-9			-----	-----	---	
3	3	1103-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	28.0
		1104-48-48							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

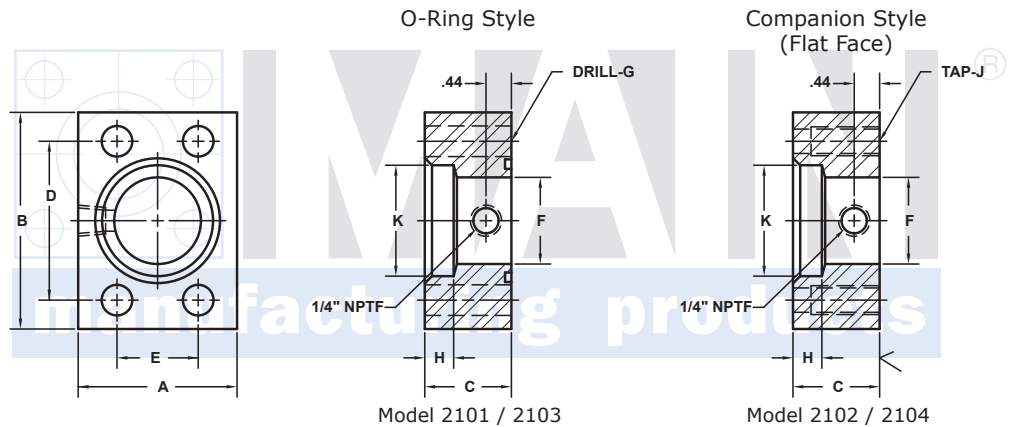
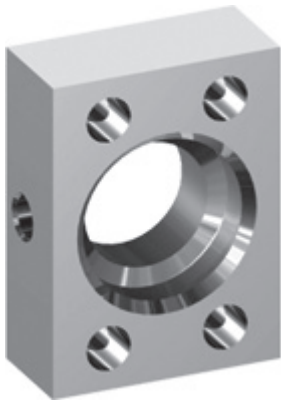
④ 500 PSI Max

SOCKET WELD PIPE IN-LINE FLANGES

WITH 1/4" NPTF GAUGE PORT

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	2101-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		2102-08-08							5/16-18			-----	-----	---	
3/4	3/4	2101-12-12	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		2102-12-12							3/8-16			-----	-----	---	
1	1	2101-16-16	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		2102-16-16							3/8-16			-----	-----	---	
1 1/4	1 1/4	2101-20-20	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		2102-20-20							7/16-14			-----	-----	---	
1 1/2	1 1/2	2101-24-24	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		2102-24-24							1/2-13			-----	-----	---	
2	2	2101-32-32	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		2102-32-32							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	2101-40-40	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		2102-40-40							1/2-13			-----	-----	---	
3 ^③	3	2101-48-48	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		2102-48-48							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	2101-56-56	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		2102-56-56							5/8-11			-----	-----	---	
4 ^④	4	2101-64-64	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		2102-64-64							5/8-11			-----	-----	---	
5 ^④	5	2101-80-80	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		2102-80-80							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	2103-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		2104-08-08							5/16-18			-----	-----	---	
3/4	3/4	2103-12-12	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		2104-12-12							3/8-16			-----	-----	---	
1	1	2103-16-16	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		2104-16-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	2103-20-20	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		2104-20-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	2103-24-24	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		2104-24-24							5/8-11			-----	-----	---	
2	2	2103-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		2104-32-32							3/4-10			-----	-----	---	
2 1/2	2 1/2	2103-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		2104-40-40							7/8-9			-----	-----	---	
3	3	2103-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		2104-48-48							1 1/8-7			-----	-----	---	

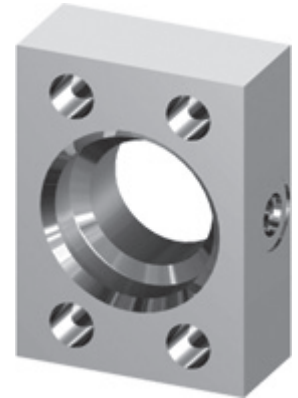
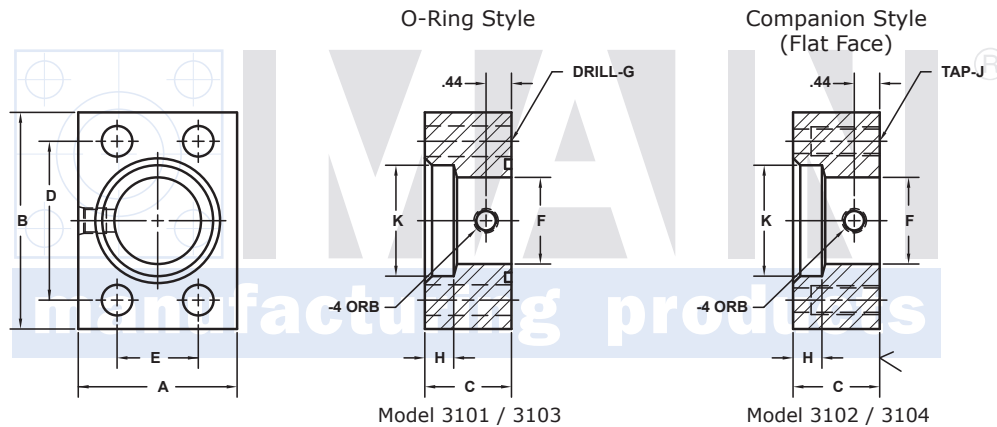
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

SOCKET WELD PIPE IN-LINE FLANGES

WITH -4 ORB (7/16-20) GAUGE PORT ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	3101-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		3102-08-08							5/16-18			-----	-----	---	
3/4	3/4	3101-12-12	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		3102-12-12							3/8-16			-----	-----	---	
1	1	3101-16-16	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		3102-16-16							3/8-16			-----	-----	---	
1 1/4	1 1/4	3101-20-20	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		3102-20-20							7/16-14			-----	-----	---	
1 1/2	1 1/2	3101-24-24	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		3102-24-24							1/2-13			-----	-----	---	
2	2	3101-32-32	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		3102-32-32							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	3101-40-40	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		3102-40-40							1/2-13			-----	-----	---	
3 ③	3	3101-48-48	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		3102-48-48							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	3101-56-56	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		3102-56-56							5/8-11			-----	-----	---	
4 ④	4	3101-64-64	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		3102-64-64							5/8-11			-----	-----	---	
5 ④	5	3101-80-80	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		3102-80-80							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	3103-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		3104-08-08							5/16-18			-----	-----	---	
3/4	3/4	3103-12-12	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		3104-12-12							3/8-16			-----	-----	---	
1	1	3103-16-16	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		3104-16-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	3103-20-20	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		3104-20-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	3103-24-24	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		3104-24-24							5/8-11			-----	-----	---	
2	2	3103-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		3104-32-32							3/4-10			-----	-----	---	
2 1/2	2 1/2	3103-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		3104-40-40							7/8-9			-----	-----	---	
3	3	3103-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		3104-48-48							1 1/8-7			-----	-----	---	

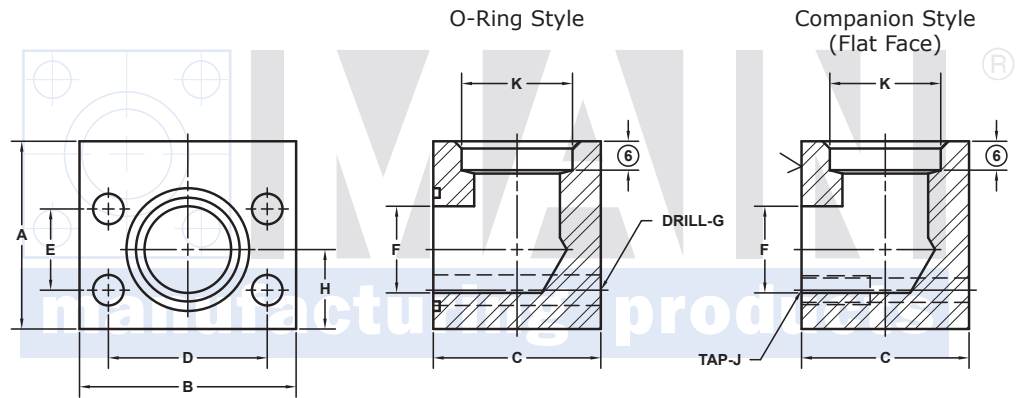
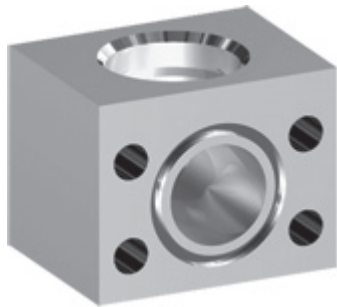
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

⑥ Also Available with -6 ORB (9/16-18) GAUGE PORT

SOCKET WELD PIPE ELBOW FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1125-08-08	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.860	MK 541	5/16-18 x 2	210	1.3
		1126-08-08							5/16-18			-----	-----	---	
3/4	1/2	1125-12-08	2.00	2.62	1.70	1.875	.875	.75	.41	.88	.860	MK 542	3/8-16 x 2 1/2	214	2.1
		1126-12-08							3/8-16			-----	-----	---	
3/4	3/4	1125-12-12	2.00	2.62	1.70	1.875	.875	.75	.41	.88	1.070	MK 542	3/8-16 x 2 1/2	214	2.0
		1126-12-12							3/8-16			-----	-----	---	
1	3/4	1125-16-12	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.070	MK 543	3/8-16 x 2 3/4	219	2.8
		1126-16-12							3/8-16			-----	-----	---	
1	1	1125-16-16	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.335	MK 543	3/8-16 x 2 3/4	219	2.7
		1126-16-16							3/8-16			-----	-----	---	
1 1/4	1	1125-20-16	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.335	MK 578	7/16-14 x 3 1/4	222	4.9
		1126-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1125-20-20	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.680	MK 578	7/16-14 x 3 1/4	222	4.8
		1126-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	1125-20-24	3.00	3.19	3.00	2.312	1.188	1.25	.47	1.25	1.920	MK 591	7/16-14 x 4	222	6.0
		1126-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/4	1125-24-20	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1.680	MK 545	1/2-13 x 4	225	7.4
		1126-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1125-24-24	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1.920	MK 545	1/2-13 x 4	225	7.3
		1126-24-24							1/2-13			-----	-----	---	
1 1/2	2	1125-24-32	3.50	3.75	3.50	2.750	1.406	1.50	.53	1.38	2.411	MK 579	1/2-13 x 4 1/2	225	9.8
		1126-24-32							1/2-13			-----	-----	---	

MATERIAL:
Low Carbon Steel



Model 1125 / 1127

Model 1126 / 1128

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1127-08-08	2.00	2.22	1.46	1.594	.718	.50	.34	.88	.860	MK 541	5/16-18 x 2	210	1.6
		1128-08-08							5/16-18			-----	-----	---	
3/4	1/2	1127-12-08	2.25	2.81	1.70	2.000	.937	.75	.41	1.00	.860	MK 542	3/8-16 x 2 1/2	214	2.7
		1128-12-08							3/8-16			-----	-----	---	
3/4	3/4	1127-12-12	2.25	2.81	1.70	2.000	.937	.75	.41	1.00	1.070	MK 542	3/8-16 x 2 1/2	214	2.6
		1128-12-12							3/8-16			-----	-----	---	
1	3/4	1127-16-12	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.070	MK 2533	7/16-14 x 3	219	4.2
		1128-16-12							7/16-14			-----	-----	---	
1	1	1127-16-16	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.335	MK 2533	7/16-14 x 3	219	4.1
		1128-16-16							7/16-14			-----	-----	---	
1 1/4	1	1127-20-16	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.335	MK 552	1/2-13 x 3 1/4	222	6.5
		1128-20-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1127-20-20	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.680	MK 552	1/2-13 x 3 1/4	222	6.3
		1128-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	1127-20-24	3.00	3.75	3.00	2.625	1.250	1.25	.53	1.38	1.920	MK 587	1/2-13 x 4	222	7.6
		1128-20-24							1/2-13			-----	-----	---	

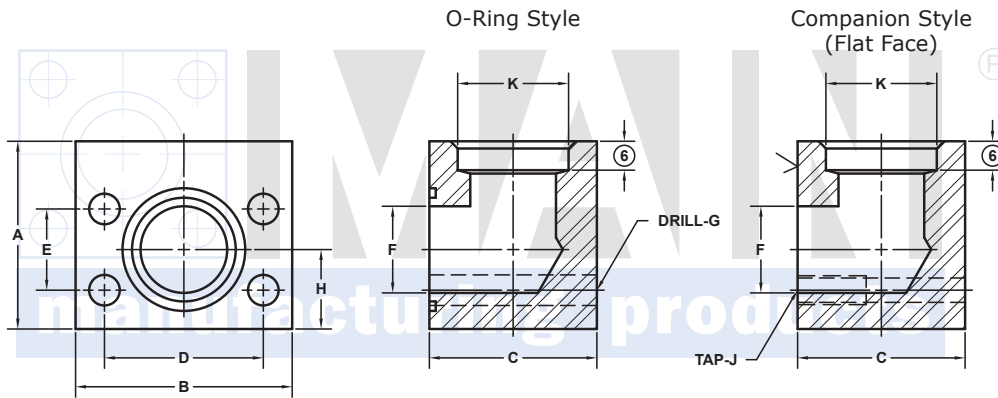
① Order Separately

⑥ C'bore Depth by Pipe Size: 1/2" is .38"; 3/4" to 2" is .50"

SOCKET WELD PIPE ELBOW FLANGES (Pg 2/2)

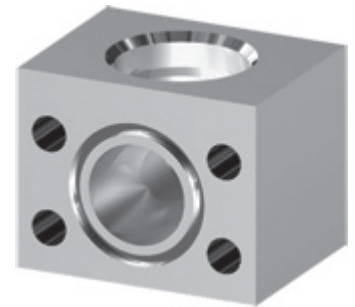
SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1125-32-20	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	1.680	MK 546	1/2-13 x 4 1/2	228	10.4
		1126-32-20							1/2-13			-----	-----	---	
2	1½	1125-32-24	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	1.920	MK 546	1/2-13 x 4 1/2	228	10.2
		1126-32-24							1/2-13			-----	-----	---	
2	2	1125-32-32	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.411	MK 546	1/2-13 x 4 1/2	228	9.9
		1126-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1125-40-32	4.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2.411	MK 547	1/2-13 x 5	232	14.9
		1126-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1125-40-40	4.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2.911	MK 547	1/2-13 x 5	232	13.9
		1126-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1125-48-40	5.00	5.31	4.96	4.188	2.438	2.94	.66	2.25	2.911	MK 548	5/8-11 x 6	237	26.5
		1126-48-40							5/8-11			-----	-----	---	
3 ^③	3	1125-48-48	5.00	5.31	4.96	4.188	2.438	2.94	.66	2.25	3.540	MK 548	5/8-11 x 6	237	24.9
		1126-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1125-56-48	5.50	6.00	5.40	4.750	2.750	3.44	.66	2.50	3.540	MK 549	5/8-11 x 6 1/2	241	36.8
		1126-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1125-56-56	5.50	6.00	5.40	4.750	2.750	3.44	.66	2.50	4.045	MK 549	5/8-11 x 6 1/2	241	34.8
		1126-56-56							5/8-11			-----	-----	---	
4 ^④	4	1125-64-64	6.00	6.38	5.96	5.125	3.062	3.94	.66	2.75	4.550	MK 550	5/8-11 x 7	245	41.9
		1126-64-64							5/8-11			-----	-----	---	
5 ^④	5	1125-80-80	7.00	7.25	6.90	6.000	3.625	4.94	.66	3.38	5.635	MK 1569	5/8-11 x 8	253	60.9
		1126-80-80							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



Model 1125 / 1127

Model 1126 / 1128



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1½	1¼	1127-24-20	3.50	4.50	2.96	3.125	1.437	1.50	.66	1.62	1.680	MK 553	5/8-11 x 4	225	11.0
		1128-24-20							5/8-11			-----	-----	---	
1½	1½	1127-24-24	3.50	4.50	2.96	3.125	1.437	1.50	.66	1.62	1.920	MK 553	5/8-11 x 4	225	10.7
		1128-24-24							5/8-11			-----	-----	---	
1½	2	1127-24-32	3.50	4.50	3.50	3.125	1.437	1.50	.66	1.62	2.411	MK 1587	5/8-11 x 4 1/2	225	12.2
		1128-24-32							5/8-11			-----	-----	---	
2	1½	1127-32-24	4.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	1.920	MK 554	3/4-10 x 4 1/2	228	16.5
		1128-32-24							3/4-10			-----	-----	---	
2	2	1127-32-32	4.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.411	MK 554	3/4-10 x 4 1/2	228	15.9
		1128-32-32							3/4-10			-----	-----	---	
2½	2	1127-40-32	5.50	6.88	4.50	4.875	2.312	2.44	.94	2.50	2.411	MK 2557	7/8-9 x 6	232	40.0
		1128-40-32							7/8-9			-----	-----	---	
2½	2½	1127-40-40	5.50	6.88	4.50	4.875	2.312	2.44	.94	2.50	2.911	MK 2557	7/8-9 x 6	232	38.6
		1128-40-40							7/8-9			-----	-----	---	
3	3	1127-48-48	6.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3.540	MK 756	1 1/8-7 x 7	237	56.5
		1128-48-48							1 1/8-7			-----	-----	---	

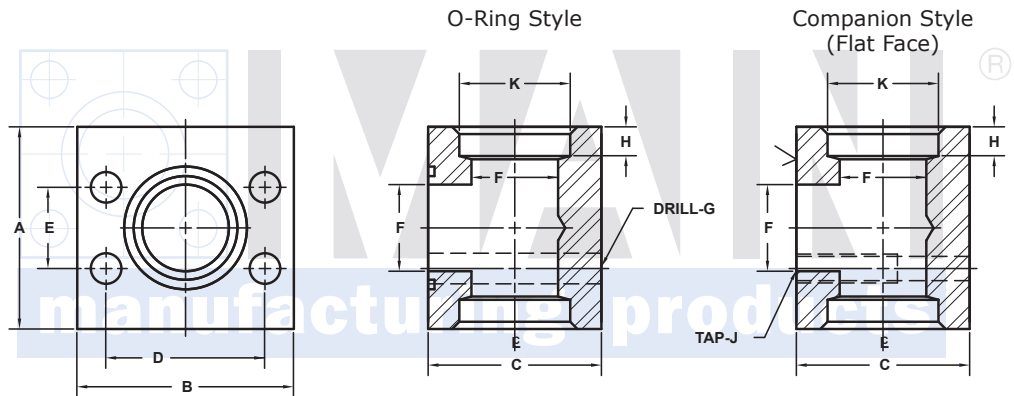
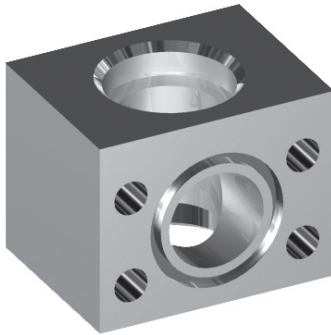
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

⑥ C'bore Depth by Pipe Size: 1 1/4" to 2 1/2" is .50" (2 1/2" 62 Series is .62"); 3" to 5" is .62"

SOCKET WELD PIPE BRANCH TEE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1165-08-08	2.00	2.12	1.44	1.500	.688	.50	.34	.38	.860	MK 541	5/16-18 x 2	210	1.3
		5/16-18							-----			-----	---		
3/4	3/4	1165-12-12	2.25	2.62	1.70	1.875	.875	.75	.41	.50	1.070	MK 542	3/8-16 x 2 1/2	214	2.2
		3/8-16							-----			-----	---		
1	1	1165-16-16	2.50	2.82	1.94	2.062	1.031	1.00	.41	.50	1.335	MK 543	3/8-16 x 2 3/4	219	2.8
		3/8-16							-----			-----	---		
1 1/4	1 1/4	1165-20-20	3.00	3.19	2.40	2.312	1.188	1.25	.47	.50	1.680	MK 578	7/16-14 x 3 1/4	222	4.5
		7/16-14							-----			-----	---		
1 1/2	1 1/2	1165-24-24	3.50	3.75	2.90	2.750	1.406	1.50	.53	.50	1.920	MK 545	1/2-13 x 4	225	7.7
		1/2-13							-----			-----	---		
2	2	1165-32-32	3.75	4.00	3.40	3.062	1.688	1.94	.53	.50	2.411	MK 546	1/2-13 x 4 1/2	228	9.3
		1/2-13							-----			-----	---		
2 1/2 ②	2 1/2	1165-40-40	4.00	4.50	3.96	3.500	2.000	2.44	.53	.50	2.911	MK 547	1/2-13 x 5	232	12.0
		1/2-13							-----			-----	---		
3 ③	3	1165-48-48	5.00	5.31	4.96	4.188	2.438	2.94	.66	.62	3.540	MK 548	5/8-11 x 6	237	22.2
		5/8-11							-----			-----	---		
3 1/2 ④	3 1/2	1165-56-56	6.00	6.00	5.40	4.750	2.750	3.44	.66	.62	4.045	MK 549	5/8-11 x 6 1/2	241	32.5
		5/8-11							-----			-----	---		
4 ④	4	1165-64-64	6.00	6.38	5.96	5.125	3.062	3.94	.66	.62	4.550	MK 550	5/8-11 x 7	245	35.5
		5/8-11							-----			-----	---		
5 ④	5	1165-80-80	7.25	7.25	6.90	6.000	3.625	4.94	.66	.62	5.635	MK 1569	5/8-11 x 8	253	50.7
		5/8-11							-----			-----	---		

MATERIAL:
Low Carbon Steel



Model 1165 / 1167

Model 1166 / 1168

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

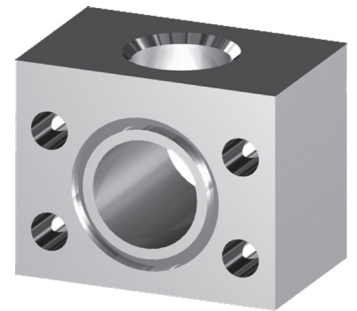
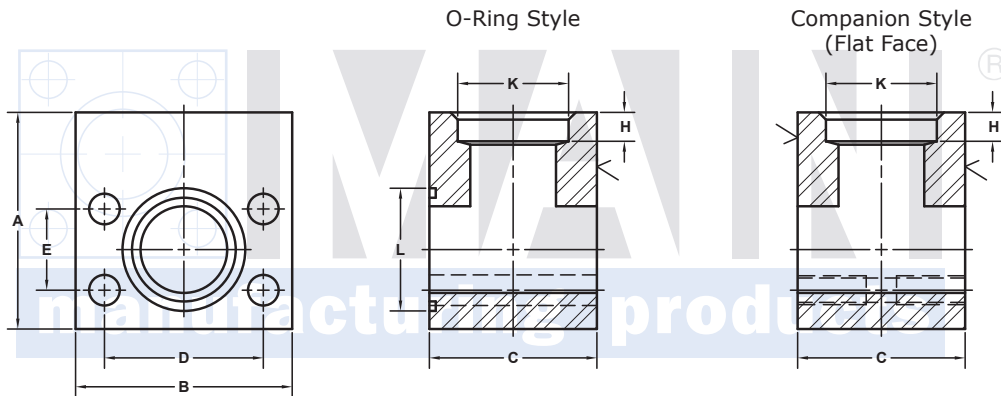
SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1167-08-08	2.00	2.22	1.46	1.594	.718	.50	.34	.38	.860	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
3/4	3/4	1167-12-12	2.50	2.81	1.70	2.000	.937	.75	.41	.50	1.070	MK 542	3/8-16 x 2 1/2	214	2.7
		3/8-16							-----			-----	---		
1	1	1167-16-16	2.75	3.19	2.21	2.250	1.093	1.00	.47	.50	1.335	MK 2533	7/16-14 x 3	219	4.2
		7/16-14							-----			-----	---		
1 1/4	1 1/4	1167-20-20	3.00	3.75	2.44	2.625	1.250	1.25	.53	.50	1.680	MK 552	1/2-13 x 3 1/4	222	5.7
		1/2-13							-----			-----	---		
1 1/2	1 1/2	1167-24-24	3.50	4.50	2.96	3.125	1.437	1.50	.66	.50	1.920	MK 553	5/8-11 x 4	225	9.7
		5/8-11							-----			-----	---		
2	2	1167-32-32	4.00	5.25	3.46	3.812	1.750	1.94	.78	.50	2.411	MK 554	3/4-10 x 4 1/2	228	14.5
		3/4-10							-----			-----	---		
2 1/2	2 1/2	1167-40-40	5.50	6.88	4.50	4.875	2.312	2.44	.94	.62	2.911	MK 2557	7/8-9 x 6	232	35.4
		7/8-9							-----			-----	---		
3	3	1167-48-48	6.00	8.50	5.00	6.000	2.812	2.94	1.19	.62	3.540	MK 756	1 1/8-7 x 7	237	51.0
		1 1/8-7							-----			-----	---		

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

SOCKET WELD PIPE RUN TEE FLANGES

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	H	K	L	O-RING ^①	WT
1/2	1/2	1189-08-08	1.75	2.12	1.44	1.500	.688	.38	.860	1.000	210	1.3
		1190-08-08								---	---	
3/4	3/4	1189-12-12	2.00	2.62	1.70	1.875	.875	.50	1.070	1.250	214	2.0
		1190-12-12								---	---	
1	1	1189-16-16	2.25	2.82	1.94	2.062	1.031	.50	1.335	1.562	219	2.7
		1190-16-16								---	---	
1 1/4	1 1/4	1189-20-20	2.75	3.19	2.40	2.312	1.188	.50	1.680	1.750	222	4.8
		1190-20-20								---	---	
1 1/2	1 1/2	1189-24-24	3.00	3.75	2.90	2.750	1.406	.50	1.920	2.125	225	7.0
		1190-24-24								---	---	
2	2	1189-32-32	3.50	4.00	3.40	3.062	1.688	.50	2.411	2.500	228	9.5
		1190-32-32								---	---	
2 1/2 ^②	2 1/2	1189-40-40	4.00	4.50	3.96	3.500	2.000	.50	2.911	3.000	232	15.0
		1190-40-40								---	---	
3 ^③	3	1189-48-48	5.00	5.31	4.96	4.188	2.438	.62	3.540	3.625	237	27.2
		1190-48-48								---	---	
3 1/2 ^④	3 1/2	1189-56-56	5.50	6.00	5.40	4.750	2.750	.62	4.045	4.109	241	37.0
		1190-56-56								---	---	
4 ^④	4	1189-64-64	6.00	6.38	5.96	5.125	3.062	.62	4.550	4.609	245	48.0
		1190-64-64								---	---	
5 ^④	5	1189-80-80	7.00	7.25	6.90	6.000	3.625	.62	5.635	5.609	253	60.0
		1190-80-80								---	---	

MATERIAL:
Low Carbon Steel



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

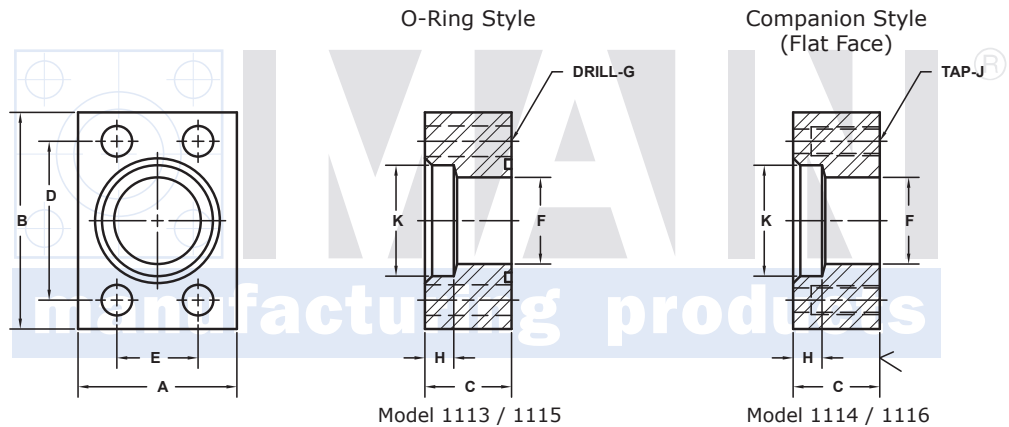
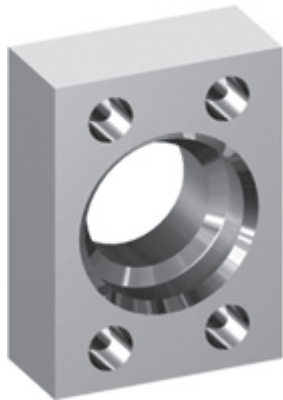
SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	H	K	L	O-RING ^①	WT
1/2	1/2	1191-08-08	2.00	2.22	1.46	1.594	.718	.38	.860	1.000	210	1.5
		1192-08-08								---	---	
3/4	3/4	1191-12-12	2.25	2.81	1.70	2.000	.937	.50	1.070	1.250	214	2.5
		1192-12-12								---	---	
1	1	1191-16-16	2.50	3.19	2.21	2.250	1.093	.50	1.335	1.562	219	4.5
		1192-16-16								---	---	
1 1/4	1 1/4	1191-20-20	3.00	3.75	2.44	2.625	1.250	.50	1.680	1.750	222	6.5
		1192-20-20								---	---	
1 1/2	1 1/2	1191-24-24	3.50	4.50	2.96	3.125	1.437	.50	1.920	2.125	225	10.0
		1192-24-24								---	---	
2	2	1191-32-32	4.00	5.25	3.46	3.812	1.750	.50	2.411	2.500	228	15.0
		1192-32-32								---	---	
2 1/2	2 1/2	1191-40-40	5.50	6.88	4.50	4.875	2.312	.62	2.911	3.000	232	34.2
		1192-40-40								---	---	
3	3	1191-48-48	6.00	8.50	5.00	6.000	2.812	.62	3.540	3.625	237	48.0
		1192-48-48								---	---	

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

SOCKET WELD TUBE IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES						
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	1113-08-08	1.50	2.12	.75	1.500	.688	.31	.34	.38	.510	MK 501	5/16-18 x 1 1/4	210	.6	
		1114-08-08							5/16-18			-----	-----	---		
1/2	3/4	1113-08-12	1.50	2.12	.75	1.500	.688	.50	.34	.38	.760	MK 501	5/16-18 x 1 1/4	210	.5	
		1114-08-12							5/16-18			-----	-----	---		
3/4	3/4	1113-12-12	1.75	2.62	1.00	1.875	.875	.50	.41	.38	.760	MK 502	3/8-16 x 1 3/4	214	.9	
		1114-12-12							3/8-16			-----	-----	---		
3/4	1	1113-12-16	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	.8	
		1114-12-16							3/8-16			-----	-----	---		
1	1	1113-16-16	2.00	2.82	1.00	2.062	1.031	.75	.41	.50	1.010	MK 503	3/8-16 x 1 3/4	219	1.3	
		1114-16-16							3/8-16			-----	-----	---		
1	1 1/4	1113-16-20	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.260	MK 503	3/8-16 x 1 3/4	219	1.2	
		1114-16-20							3/8-16			-----	-----	---		
1 1/4	1 1/4	1113-20-20	2.50	3.19	1.00	2.312	1.188	1.00	.47	.50	1.260	MK 504	7/16-14 x 1 3/4	222	1.7	
		1114-20-20							7/16-14			-----	-----	---		
1 1/4	1 1/2	1113-20-24	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.510	MK 504	7/16-14 x 1 3/4	222	1.6	
		1114-20-24							7/16-14			-----	-----	---		
1 1/2	1 1/2	1113-24-24	2.75	3.75	1.25	2.750	1.406	1.25	.53	.50	1.510	MK 505	1/2-13 x 2	225	2.7	
		1114-24-24							1/2-13			-----	-----	---		
1 1/2	2	1113-24-32	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	2.010	MK 505	1/2-13 x 2	225	2.5	
		1114-24-32							1/2-13			-----	-----	---		
2	2	1113-32-32	3.25	4.00	1.50	3.062	1.688	1.50	.53	.50	2.010	MK 506	1/2-13 x 2 1/4	228	4.1	
		1114-32-32							1/2-13			-----	-----	---		

MATERIAL:
Low Carbon Steel



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

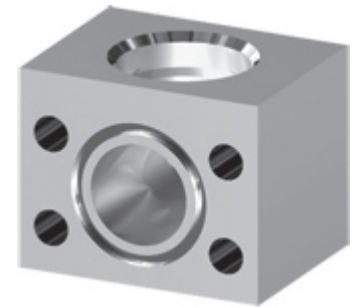
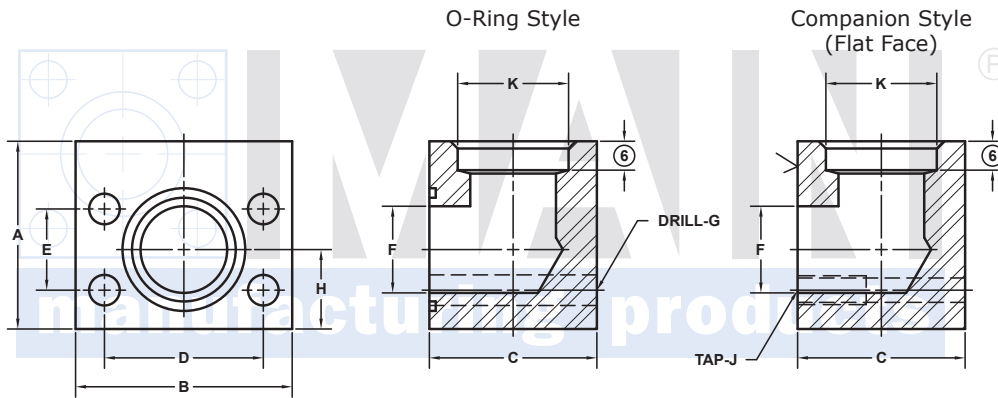
SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	3/4	1115-08-12	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.760	MK 512	5/16-18 x 1 1/2	210	.8
		1116-08-12							5/16-18			-----	-----	---	
3/4	1	1115-12-16	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	1.2
		1116-12-16							3/8-16			-----	-----	---	
1	1	1115-16-16	2.25	3.19	1.00	2.250	1.093	.75	.47	.50	1.010	MK 513	7/16-14 x 1 3/4	219	1.6
		1116-16-16							7/16-14			-----	-----	---	
1	1 1/4	1115-16-20	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.260	MK 513	7/16-14 x 1 3/4	219	1.5
		1116-16-20							7/16-14			-----	-----	---	
1 1/4	1 1/4	1115-20-20	2.75	3.75	1.25	2.625	1.250	1.00	.53	.50	1.260	MK 514	1/2-13 x 2	222	2.9
		1116-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	1115-20-24	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.510	MK 514	1/2-13 x 2	222	2.8
		1116-20-24							1/2-13			-----	-----	---	
1 1/2	2	1115-24-32	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.010	MK 515	5/8-11 x 2 1/2	225	4.7
		1116-24-32							5/8-11			-----	-----	---	
2	2	1115-32-32	4.00	5.25	1.75	3.812	1.750	1.50	.78	.50	2.010	MK 516	3/4-10 x 3	228	8.3
		1116-32-32							3/4-10			-----	-----	---	

① Order Separately

SOCKET WELD TUBE ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1129-08-08	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.510	MK 541	5/16-18 x 2	210	1.3
		1130-08-08							5/16-18			-----	-----	---	
1/2	3/4	1129-08-12	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.760	MK 541	5/16-18 x 2	210	1.2
		1130-08-12							5/16-18			-----	-----	---	
3/4	3/4	1129-12-12	2.00	2.62	1.70	1.875	.875	.75	.41	.88	.760	MK 542	3/8-16 x 2 1/2	214	2.0
		1130-12-12							3/8-16			-----	-----	---	
3/4	1	1129-12-16	2.00	2.62	1.70	1.875	.875	.75	.41	.88	1.010	MK 542	3/8-16 x 2 1/2	214	1.9
		1130-12-16							3/8-16			-----	-----	---	
1	1	1129-16-16	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.010	MK 543	3/8-16 x 2 3/4	219	2.7
		1130-16-16							3/8-16			-----	-----	---	
1	1 1/4	1129-16-20	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.260	MK 543	3/8-16 x 2 3/4	219	2.6
		1130-16-20							3/8-16			-----	-----	---	
1 1/4	1 1/4	1129-20-20	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.260	MK 578	7/16-14 x 3 1/4	222	4.6
		1130-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	1129-20-24	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.510	MK 578	7/16-14 x 3 1/4	222	4.4
		1130-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/2	1129-24-24	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1.510	MK 545	1/2-13 x 4	225	7.0
		1130-24-24							1/2-13			-----	-----	---	
1 1/2	2	1129-24-32	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	2.010	MK 545	1/2-13 x 4	225	6.7
		1130-24-32							1/2-13			-----	-----	---	
2	2	1129-32-32	3.50	4.00	3.40	3.062	1.688	1.50	.53	1.62	2.010	MK 546	1/2-13 x 4 1/2	228	9.9
		1130-32-32							1/2-13			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	3/4	1131-08-12	2.00	2.22	1.46	1.594	.718	.50	.34	.88	.760	MK 541	5/16-18 x 2	210	1.5
		1132-08-12							5/16-18			-----	-----	---	
3/4	1	1131-12-16	2.25	2.81	1.70	2.000	.937	.75	.41	1.00	1.010	MK 542	3/8-16 x 2 1/2	214	2.4
		1132-12-16							3/8-16			-----	-----	---	
1	1	1131-16-16	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.010	MK 2533	7/16-14 x 3	219	4.0
		1132-16-16							7/16-14			-----	-----	---	
1	1 1/4	1131-16-20	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.260	MK 2533	7/16-14 x 3	219	3.9
		1132-16-20							7/16-14			-----	-----	---	
1 1/4	1 1/4	1131-20-20	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.260	MK 552	1/2-13 x 3 1/4	222	6.3
		1132-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	1131-20-24	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.510	MK 552	1/2-13 x 3 1/4	222	6.1
		1132-20-24							1/2-13			-----	-----	---	
1 1/2	2	1131-24-32	3.50	4.50	2.96	3.125	1.437	1.50	.66	1.62	2.010	MK 553	5/8-11 x 4	225	10.1
		1132-24-32							5/8-11			-----	-----	---	
2	2	1131-32-32	4.00	5.25	3.46	3.812	1.750	1.50	.78	2.00	2.010	MK 554	3/4-10 x 4 1/2	228	15.9
		1132-32-32							3/4-10			-----	-----	---	

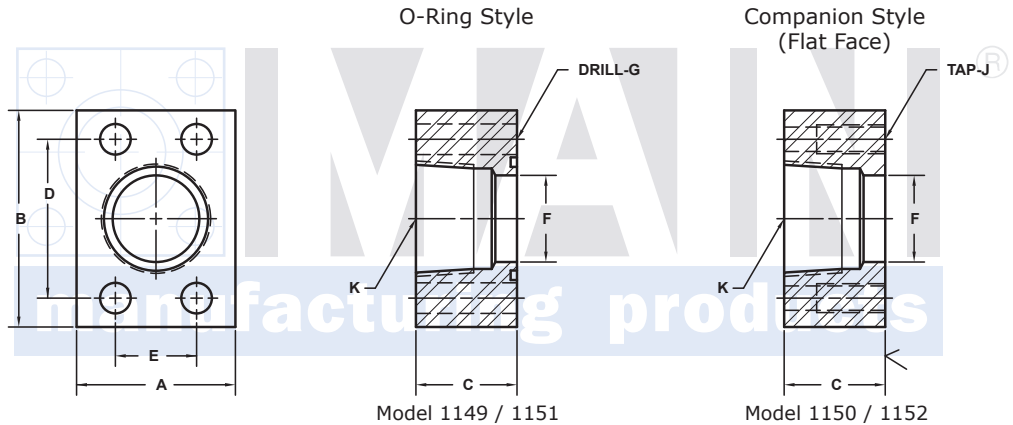
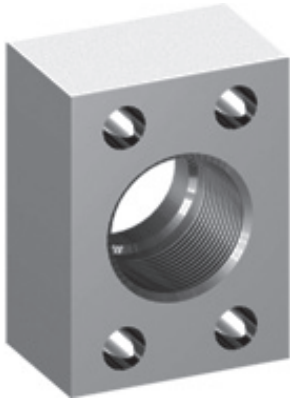
① Order Separately

② C'bore Depth by Pipe Size: 1/2" and 3/4" is .38"; 1" to 2" is .50"

NPTF THREADED IN-LINE FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1149-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	.8
		1150-08-08							5/16-18		-----	-----	---	
3/4	1/2	1149-12-08	1.75	2.62	1.25	1.875	.875	.70	.41	1/2	MK 520	3/8-16 x 2	214	1.3
		1150-12-08							3/8-16		-----	-----	---	
3/4	3/4	1149-12-12	1.75	2.62	1.25	1.875	.875	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.2
		1150-12-12							3/8-16		-----	-----	---	
1	3/4	1149-16-12	2.00	2.82	1.50	2.062	1.031	.92	.41	3/4	MK 521	3/8-16 x 2 1/4	219	1.9
		1150-16-12							3/8-16		-----	-----	---	
1	1	1149-16-16	2.00	2.82	1.50	2.062	1.031	1.00	.41	1	MK 521	3/8-16 x 2 1/4	219	1.7
		1150-16-16							3/8-16		-----	-----	---	
1 1/4	1	1149-20-16	2.50	3.19	1.50	2.312	1.188	1.16	.47	1	MK 522	7/16-14 x 2 1/4	222	2.6
		1150-20-16							7/16-14		-----	-----	---	
1 1/4	1 1/4	1149-20-20	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 1/4	MK 522	7/16-14 x 2 1/4	222	2.3
		1150-20-20							7/16-14		-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.19	3.00	2.312	1.188	1.25	-----	1 1/2	-----	-----	---	6.4
		1150-20-24							7/16-14		-----	-----	---	
1 1/2	1 1/4	1149-24-20	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/4	MK 523	1/2-13 x 2 1/2	225	3.8
		1150-24-20							1/2-13		-----	-----	---	
1 1/2	1 1/2	1149-24-24	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/2	MK 523	1/2-13 x 2 1/2	225	3.6
		1150-24-24							1/2-13		-----	-----	---	
1 1/2	2	-----	3.50	3.75	3.50	2.750	1.406	1.50	-----	2	-----	-----	---	10.1
		1150-24-32							1/2-13		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1149 / 1151

Model 1150 / 1152

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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1151-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	1.1
		1152-08-08							5/16-18		-----	-----	---	
3/4	1/2	1151-12-08	2.00	2.81	1.25	2.000	.937	.70	.41	1/2	MK 520	3/8-16 x 2	214	1.6
		1152-12-08							3/8-16		-----	-----	---	
3/4	3/4	1151-12-12	2.00	2.81	1.25	2.000	.937	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.5
		1152-12-12							3/8-16		-----	-----	---	
1	3/4	1151-16-12	2.25	3.19	1.50	2.250	1.093	.92	.47	3/4	MK 525	7/16-14 x 2 1/4	219	2.4
		1152-16-12							7/16-14		-----	-----	---	
1	1	1151-16-16	2.25	3.19	1.50	2.250	1.093	1.00	.47	1	MK 525	7/16-14 x 2 1/4	219	2.3
		1152-16-16							7/16-14		-----	-----	---	
1 1/4	1	1151-20-16	3.00	3.75	1.50	2.625	1.250	1.16	.53	1	MK 526	1/2-13 x 2 1/4	222	3.9
		1152-20-16							1/2-13		-----	-----	---	
1 1/4	1 1/4	1151-20-20	3.00	3.75	1.50	2.625	1.250	1.25	.53	1 1/4	MK 526	1/2-13 x 2 1/4	222	3.7
		1152-20-20							1/2-13		-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.75	3.00	2.625	1.250	1.25	-----	1 1/2	-----	-----	---	7.9
		1152-20-24							1/2-13		-----	-----	---	

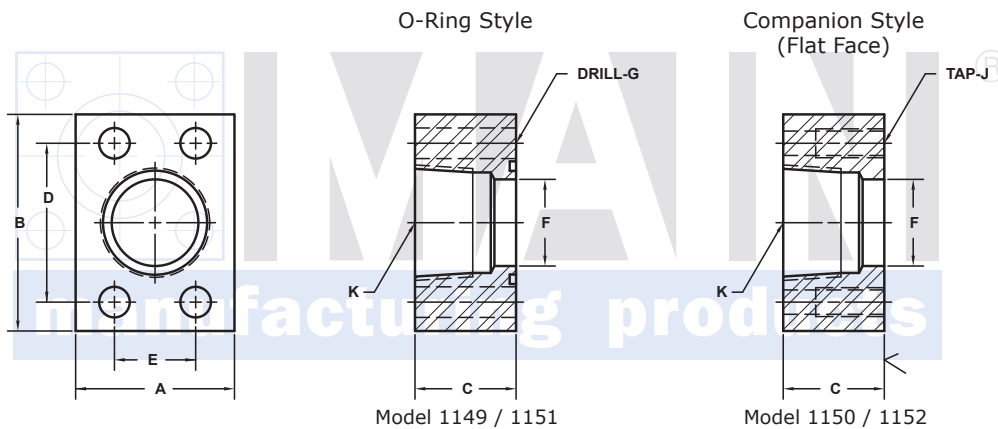
① Order Separately

⑤ May Contain Lead

NPTF THREADED IN-LINE FLANGES (Pg 2/2)

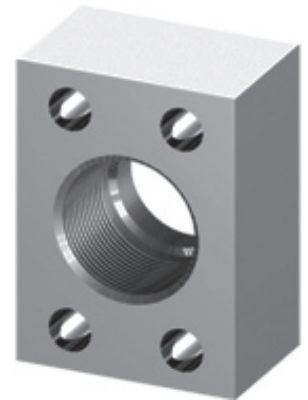
SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	K NPTF	MOUNTING KIT ^①			WT
									J		PART NO.	SCREW SIZE	O-RING	
2	1¼	1149-32-20	3.25	4.00	1.75	3.062	1.688	1.50	.53	1 1/4	MK 524	1/2-13 x 2 1/2	228	5.2
		1150-32-20							1/2-13		-----	-----	---	
2	1½	1149-32-24	3.25	4.00	1.75	3.062	1.688	1.74	.53	1 1/2	MK 524	1/2-13 x 2 1/2	228	4.9
		1150-32-24							1/2-13		-----	-----	---	
2	2	1149-32-32	3.25	4.00	1.75	3.062	1.688	1.94	.53	2	MK 524	1/2-13 x 2 1/2	228	4.2
		1150-32-32							1/2-13		-----	-----	---	
2½ ^②	1½	1149-40-24	4.00	4.50	2.00	3.500	2.000	1.74	.53	1 1/2	MK 1515	1/2-13 x 2 3/4	232	8.5
		1150-40-24							1/2-13		-----	-----	---	
2½ ^②	2	1149-40-32	4.00	4.50	2.00	3.500	2.000	2.12	.53	2	MK 1515	1/2-13 x 2 3/4	232	7.5
		1150-40-32							1/2-13		-----	-----	---	
2½ ^②	2½	1149-40-40	4.00	4.50	2.00	3.500	2.000	2.44	.53	2 1/2	MK 1515	1/2-13 x 2 3/4	232	6.5
		1150-40-40							1/2-13		-----	-----	---	
3 ^③	2	1149-48-32	4.50	5.50	2.25	4.188	2.438	2.12	.66	2	MK 1516	5/8-11 x 3 1/4	237	12.5
		1150-48-32							5/8-11		-----	-----	---	
3 ^③	2½	1149-48-40	4.50	5.50	2.25	4.188	2.438	2.62	.66	2 1/2	MK 1516	5/8-11 x 3 1/4	237	11.4
		1150-48-40							5/8-11		-----	-----	---	
3 ^③	3	1149-48-48	4.50	5.50	2.25	4.188	2.438	2.94	.66	3	MK 1516	5/8-11 x 3 1/4	237	9.8
		1150-48-48							5/8-11		-----	-----	---	
3½ ^④	3½	1149-56-56	5.00	6.00	2.25	4.750	2.750	3.44	.66	3 1/2	MK 2576	5/8-11 x 3 1/4	241	11.0
		1150-56-56							5/8-11		-----	-----	---	
4 ^④	4	1149-64-64	5.50	6.50	2.50	5.125	3.062	3.94	.66	4	MK 2545	5/8-11 x 3 1/2	245	14.5
		1150-64-64							5/8-11		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1149 / 1151

Model 1150 / 1152



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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	K NPTF	MOUNTING KIT ^①			WT
									J		PART NO.	SCREW SIZE	O-RING	
1½	1¼	1151-24-20	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 1/4	MK 527	5/8-11 x 2 3/4	225	5.7
		1152-24-20							5/8-11		-----	-----	---	
1½	1½	1151-24-24	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 1/2	MK 527	5/8-11 x 2 3/4	225	5.6
		1152-24-24							5/8-11		-----	-----	---	
1½	2	-----	4.00	4.50	4.00	3.125	1.437	1.50	----	2	-----	-----	---	17.0
		1152-24-32							5/8-11		-----	-----	---	
2	1½	1151-32-24	4.00	5.25	1.75	3.812	1.750	1.74	.78	1 1/2	MK 516	3/4-10 x 3	228	8.4
		1152-32-24							3/4-10		-----	-----	---	
2	2	1151-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	2	MK 516	3/4-10 x 3	228	7.8
		1152-32-32							3/4-10		-----	-----	---	
2½	2	1151-40-32	5.00	6.88	2.00	4.875	2.312	2.12	.94	2	MK 517	7/8-9 x 3 1/2	232	15.4
		1152-40-32							7/8-9		-----	-----	---	
2½	2½	1151-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	2 1/2	MK 517	7/8-9 x 3 1/2	232	15.1
		1152-40-40							7/8-9		-----	-----	---	
3	3	1151-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	3	MK 718	1 1/8-7 x 4 1/2	237	27.5
		1152-48-48							1 1/8-7		-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

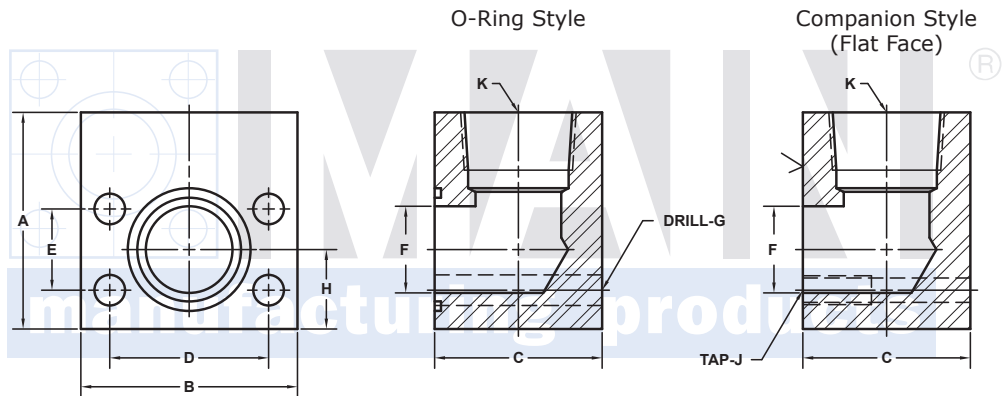
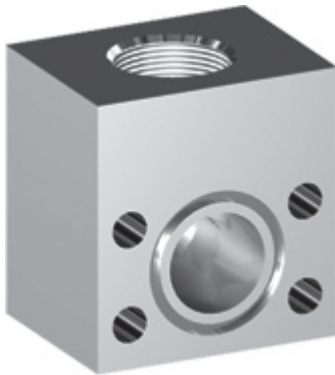
④ 500 PSI Max

⑤ May Contain Lead

NPTF THREADED ELBOW FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1161-08-08	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
3/4	1/2	1161-12-08	2.50	2.62	1.70	1.875	.875	.75	.41	.88	1/2	MK 542	3/8-16 x 2 1/2	214	2.7
		3/8-16							-----			-----	---		
3/4	3/4	1161-12-12	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4	MK 542	3/8-16 x 2 1/2	214	2.6
		3/8-16							-----			-----	---		
1	3/4	1161-16-12	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	3/4	MK 543	3/8-16 x 2 3/4	219	3.9
		3/8-16							-----			-----	---		
1	1	1161-16-16	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1	MK 543	3/8-16 x 2 3/4	219	3.5
		3/8-16							-----			-----	---		
1 1/4	1	1161-20-16	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1	MK 578	7/16-14 x 3 1/4	222	6.5
		7/16-14							-----			-----	---		
1 1/4	1 1/4	1161-20-20	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 1/4	MK 578	7/16-14 x 3 1/4	222	6.2
		7/16-14							-----			-----	---		
1 1/4	1 1/2	1161-20-24	4.00	3.19	3.00	2.312	1.188	1.25	.47	1.25	1 1/2	MK 591	7/16-14 x 4	222	6.0
		7/16-14							-----			-----	---		
1 1/2	1 1/4	1161-24-20	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/4	MK 545	1/2-13 x 4	225	10.0
		1/2-13							-----			-----	---		
1 1/2	1 1/2	1161-24-24	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/2	MK 545	1/2-13 x 4	225	9.9
		1/2-13							-----			-----	---		
1 1/2	2	1161-24-32	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	2	MK 545	1/2-13 x 4	225	8.9
		1/2-13							-----			-----	---		

MATERIAL:
Low Carbon Steel^⑤



Model 1161 / 1163

Model 1162 / 1164

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1163-08-08	2.00	2.22	1.46	1.594	.718	.50	.34	.88	1/2	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			---			
3/4	1/2	1163-12-08	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1/2	MK 542	3/8-16 x 2 1/2	214	2.9
		3/8-16							-----			---			
3/4	3/4	1163-12-12	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	3/4	MK 542	3/8-16 x 2 1/2	214	2.8
		3/8-16							-----			---			
1	3/4	1163-16-12	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	3/4	MK 551	7/16-14 x 2 3/4	219	4.6
		7/16-14							-----			---			
1	1	1163-16-16	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1	MK 551	7/16-14 x 2 3/4	219	4.4
		7/16-14							-----			---			
1 1/4	1	1163-20-16	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1	MK 552	1/2-13 x 3 1/4	222	6.9
		1/2-13							-----			---			
1 1/4	1 1/4	1163-20-20	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 1/4	MK 552	1/2-13 x 3 1/4	222	6.7
		1/2-13							-----			---			
1 1/4	1 1/2	1163-20-24	4.00	3.75	3.00	2.625	1.250	1.25	.53	1.38	1 1/2	MK 587	1/2-13 x 4	222	9.9
		1/2-13							-----			---			

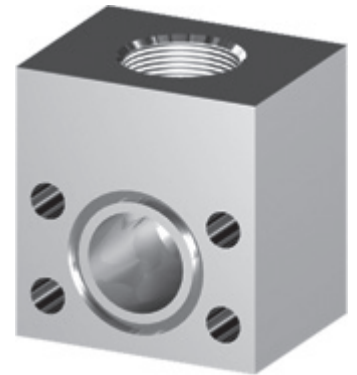
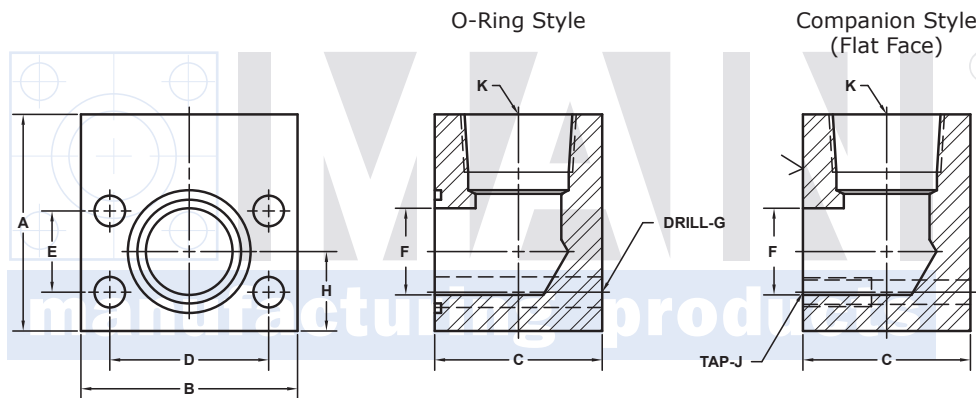
① Order Separately

⑤ May Contain Lead

NPTF THREADED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1161-32-20	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/4	MK 558	1/2-13 x 4	228	11.3
		1162-32-20							1/2-13			-----	-----	---	
2	1½	1161-32-24	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/2	MK 558	1/2-13 x 4	228	10.9
		1162-32-24							1/2-13			-----	-----	---	
2	2	1161-32-32	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	2	MK 558	1/2-13 x 4	228	10.7
		1162-32-32							1/2-13			-----	-----	---	
2½ ^②	1½	1161-40-24	5.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	1 1/2	MK 547	1/2-13 x 5	232	18.5
		1162-40-24							1/2-13			-----	-----	---	
2½ ^②	2	1161-40-32	5.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2	MK 547	1/2-13 x 5	232	17.8
		1162-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1161-40-40	5.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2 1/2	MK 547	1/2-13 x 5	232	17.5
		1162-40-40							1/2-13			-----	-----	---	
3 ^③	2	1161-48-32	6.00	5.31	4.46	4.188	2.438	2.94	.66	2.25	2	MK 2532	5/8-11 x 5 1/2	237	29.6
		1162-48-32							5/8-11			-----	-----	---	
3 ^③	2½	1161-48-40	6.00	5.31	4.46	4.188	2.438	2.94	.66	2.25	2 1/2	MK 2532	5/8-11 x 5 1/2	237	30.0
		1162-48-40							5/8-11			-----	-----	---	
3 ^③	3	1161-48-48	6.00	5.31	4.46	4.188	2.438	2.94	.66	2.25	3	MK 2532	5/8-11 x 5 1/2	237	27.6
		1162-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1161-56-48	6.00	6.00	5.00	4.750	2.750	3.44	.66	2.50	3	MK 5543	5/8-11 x 6	241	36.8
		1162-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1161-56-56	6.25	6.00	5.40	4.750	2.750	3.44	.66	2.50	3 1/2	MK 549	5/8-11 x 6 1/2	241	40.0
		1162-56-56							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1163-24-20	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 1/4	MK 553	5/8-11 x 4	225	12.5
		1164-24-20							5/8-11			-----	-----	---	
1½	1½	1163-24-24	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 1/2	MK 553	5/8-11 x 4	225	11.9
		1164-24-24							5/8-11			-----	-----	---	
1½	2	1163-24-32	4.50	4.50	3.50	3.125	1.437	1.50	.66	1.62	2	MK 1587	5/8-11 x 4 1/2	225	15.3
		1164-24-32							5/8-11			-----	-----	---	
2	1½	1163-32-24	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	1 1/2	MK 554	3/4-10 x 4 1/2	228	20.7
		1164-32-24							3/4-10			-----	-----	---	
2	2	1163-32-32	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2	MK 554	3/4-10 x 4 1/2	228	20.2
		1164-32-32							3/4-10			-----	-----	---	
2½	2	1163-40-32	6.00	6.88	4.00	4.875	2.312	2.44	.94	2.50	2	MK 555	7/8-9 x 5 1/2	232	39.0
		1164-40-32							7/8-9			-----	-----	---	
2½	2½	1163-40-40	6.00	6.88	4.00	4.875	2.312	2.44	.94	2.50	2 1/2	MK 555	7/8-9 x 5 1/2	232	37.9
		1164-40-40							7/8-9			-----	-----	---	
3	3	1163-48-48	7.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3	MK 756	1 1/8-7 x 7	237	63.7
		1164-48-48							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

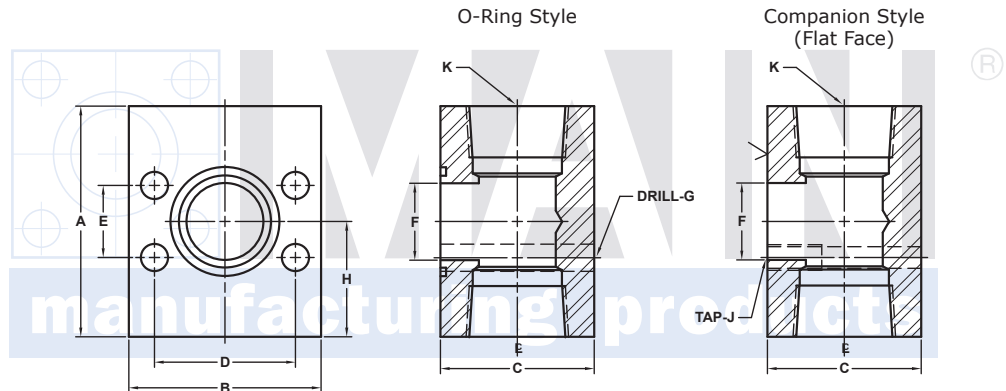
④ 500 PSI Max

⑤ May Contain Lead

NPTF THREADED BRANCH TEE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1153-08-08	2.50	2.12	1.44	1.500	.688	.50	.34	1.25	1/2	MK 541	5/16-18 x 2	210	1.8
		5/16-18							-----			-----	---		
3/4	3/4	1153-12-12	3.00	2.62	1.70	1.875	.875	.75	.41	1.50	3/4	MK 542	3/8-16 x 2 1/2	214	3.0
		3/8-16							-----			-----	---		
1	3/4	1153-16-12	4.00	2.82	1.94	2.062	1.031	1.00	.41	2.00	3/4	MK 543	3/8-16 x 2 3/4	219	5.1
		3/8-16							-----			-----	---		
1	1	1153-16-16	4.00	2.82	1.94	2.062	1.031	1.00	.41	2.00	1	MK 543	3/8-16 x 2 3/4	219	4.8
		3/8-16							-----			-----	---		
1 1/4	3/4	1153-20-12	4.50	3.19	2.40	2.312	1.188	1.25	.47	2.25	3/4	MK 578	7/16-14 x 3 1/4	222	8.0
		7/16-14							-----			-----	---		
1 1/4	1	1153-20-16	4.50	3.19	2.40	2.312	1.188	1.25	.47	2.25	1	MK 578	7/16-14 x 3 1/4	222	7.7
		7/16-14							-----			-----	---		
1 1/4	1 1/4	1153-20-20	4.50	3.19	2.40	2.312	1.188	1.25	.47	2.25	1 1/4	MK 578	7/16-14 x 3 1/4	222	7.3
		7/16-14							-----			-----	---		
1 1/2	1 1/4	1153-24-20	4.50	3.75	2.90	2.750	1.406	1.50	.53	2.25	1 1/4	MK 545	1/2-13 x 4	225	12.1
		1/2-13							-----			-----	---		
1 1/2	1 1/2	1153-24-24	4.50	3.75	2.90	2.750	1.406	1.50	.53	2.25	1 1/2	MK 545	1/2-13 x 4	225	10.2
		1/2-13							-----			-----	---		
2	1 1/2	1153-32-24	5.25	4.00	2.96	3.062	1.688	1.94	.53	2.62	1 1/2	MK 558	1/2-13 x 4	228	13.0
		1/2-13							-----			-----	---		
2	2	1153-32-32	5.25	4.00	2.96	3.062	1.688	1.94	.53	2.62	2	MK 558	1/2-13 x 4	228	11.5
		1/2-13							-----			-----	---		

MATERIAL:
Low Carbon Steel^⑤



Model 1153 / 1155

Model 1154 / 1156

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1155-08-08	2.50	2.22	1.46	1.594	.718	.50	.34	1.25	1/2	MK 541	5/16-18 x 2	210	2.0
		1156-08-08							5/16-18			-----	-----	---	
3/4	3/4	1155-12-12	3.00	2.81	1.70	2.000	.937	.75	.41	1.50	3/4	MK 542	3/8-16 x 2 1/2	214	3.3
		1156-12-12							3/8-16			-----	-----	---	
1	1	1155-16-16	4.00	3.19	1.96	2.250	1.093	1.00	.47	2.00	1	MK 551	7/16-14 x 2 3/4	219	5.7
		1156-16-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1155-20-20	4.50	3.75	2.44	2.625	1.250	1.25	.53	2.25	1 1/4	MK 552	1/2-13 x 3 1/4	222	9.0
		1156-20-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1155-24-24	4.50	4.50	2.96	3.125	1.437	1.50	.66	2.25	1 1/2	MK 553	5/8-11 x 4	225	13.0
		1156-24-24							5/8-11			-----	-----	---	
1 1/2	2	1155-24-32	5.00	4.50	3.50	3.125	1.437	1.50	.66	2.50	2	MK 1587	5/8-11 x 4 1/2	225	15.8
		1156-24-32							5/8-11			-----	-----	---	
2	1 1/2	1155-32-24	6.00	5.25	3.46	3.812	1.750	1.94	.78	3.00	1 1/2	MK 554	3/4-10 x 4 1/2	228	24.3
		1156-32-24							3/4-10			-----	-----	---	
2	2	1155-32-32	6.00	5.25	3.46	3.812	1.750	1.94	.78	3.00	2	MK 554	3/4-10 x 4 1/2	228	22.8
		1156-32-32							3/4-10			-----	-----	---	

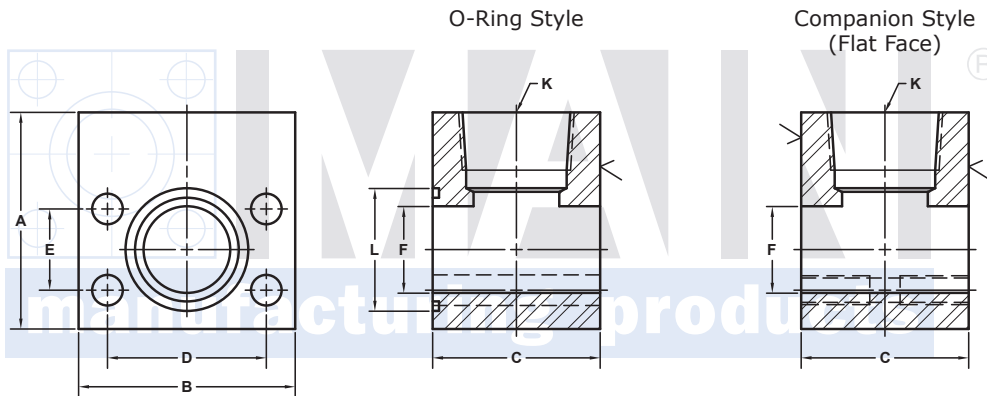
① Order Separately

⑤ May Contain Lead

NPTF THREADED RUN TEE FLANGES

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	1197-08-08	2.00	2.12	1.44	1.500	.688	.50	1/2	1.000	210	1.3
		1198-08-08								---	---	
1/2	3/4	1197-08-12	2.75	2.12	1.75	1.500	.688	.50	3/4	1.000	210	2.4
		1198-08-12								---	---	
3/4	1/2	1197-12-08	2.50	2.62	1.70	1.875	.875	.75	1/2	1.250	214	2.6
		1198-12-08								---	---	
3/4	3/4	1197-12-12	2.50	2.62	1.70	1.875	.875	.75	3/4	1.250	214	2.5
		1198-12-12								---	---	
1	3/4	1197-16-12	3.00	2.82	1.94	2.062	1.031	1.00	3/4	1.562	219	3.7
		1198-16-12								---	---	
1	1	1197-16-16	3.00	2.82	1.94	2.062	1.031	1.00	1	1.562	219	3.5
		1198-16-16								---	---	
1 1/4	1 1/4	1197-20-20	3.50	3.19	2.40	2.312	1.188	1.25	1 1/4	1.750	222	5.3
		1198-20-20								---	---	
1 1/2	1 1/2	1197-24-24	4.00	3.75	2.90	2.750	1.406	1.50	1 1/2	2.125	225	9.5
		1198-24-24								---	---	
2	2	1197-32-32	4.50	4.00	2.96	3.062	1.688	1.94	2	2.500	228	10.0
		1198-32-32								---	---	
2 1/2 ^②	2 1/2	1197-40-40	5.00	4.50	3.96	3.500	2.000	2.44	2 1/2	3.000	232	18.0
		1198-40-40								---	---	
3 ^③	3	1197-48-48	6.00	5.31	4.46	4.188	2.438	2.94	3	3.625	237	27.0
		1198-48-48								---	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1197 / 1199

Model 1198 / 1200

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

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	1199-08-08	2.00	2.22	1.46	1.594	.718	.50	1/2	1.000	210	1.5
		1200-08-08								---	---	
3/4	3/4	1199-12-12	2.50	2.81	1.70	2.000	.937	.75	3/4	1.250	214	2.7
		1200-12-12								---	---	
1	1	1199-16-16	3.00	3.19	1.96	2.250	1.093	1.00	1	1.562	219	4.2
		1200-16-16								---	---	
1 1/4	1 1/4	1199-20-20	4.00	3.75	2.44	2.625	1.250	1.25	1 1/4	1.750	222	6.5
		1200-20-20								---	---	
1 1/2	1 1/2	1199-24-24	4.00	4.50	2.96	3.125	1.437	1.50	1 1/2	2.125	225	11.7
		1200-24-24								---	---	
2	2	1199-32-32	5.00	5.25	3.46	3.812	1.750	1.94	2	2.500	228	20.0
		1200-32-32								---	---	
2 1/2	2 1/2	1199-40-40	6.00	6.88	4.00	4.875	2.312	2.44	2 1/2	3.000	232	34.6
		1200-40-40								---	---	
3	3	1199-48-48	7.00	8.50	5.00	6.000	2.812	2.94	3	3.625	237	62.1
		1200-48-48								---	---	

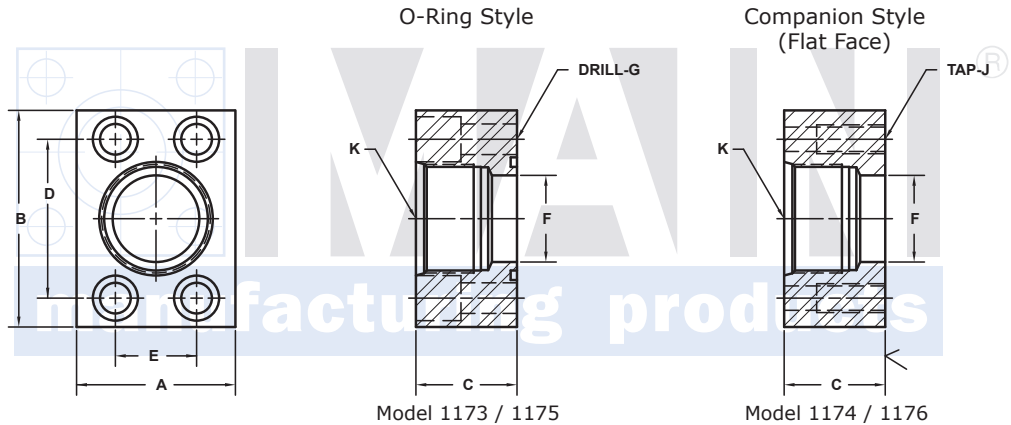
① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

⑤ May Contain Lead

SAE J1926 THREADED IN-LINE FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G J	K	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	-4	1173-08-04	1.50	2.12	1.25	1.500	.688	.37	.34	7/16-20	MK 501	5/16-18 x 1 1/4	210	1.0
		1174-08-04							5/16-18		-----	-----	---	
1/2	-6	1173-08-06	1.50	2.12	1.25	1.500	.688	.47	.34	9/16-18	MK 501	5/16-18 x 1 1/4	210	1.0
		1174-08-06							5/16-18		-----	-----	---	
1/2	-8	1173-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	.9
		1174-08-08							5/16-18		-----	-----	---	
3/4	-8	1173-12-08	1.75	2.62	1.50	1.875	.875	.66	.41	3/4-16	MK 1525	3/8-16 x 1 1/2	214	1.6
		1174-12-08							3/8-16		-----	-----	---	
3/4	-10	1173-12-10	1.75	2.62	1.50	1.875	.875	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	1.5
		1174-12-10							3/8-16		-----	-----	---	
3/4	-12	1173-12-12	1.75	2.62	1.50	1.875	.875	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.4
		1174-12-12							3/8-16		-----	-----	---	
3/4	-16	-----	2.00	2.62	2.50	1.875	.875	.75	-----	1 5/16-12	-----	-----	---	3.0
		1174-12-16							3/8-16		-----	-----	---	
1	-12	1173-16-12	2.00	2.82	1.50	2.062	1.031	.94	.41	1 1/16-12	MK 1542	3/8-16 x 1 1/2	219	1.9
		1174-16-12							3/8-16		-----	-----	---	
1	-14	1173-16-14	2.00	2.82	1.50	2.062	1.031	.75	.41	1 3/16-12	MK 1542	3/8-16 x 1 1/2	219	1.8
		1174-16-14							3/8-16		-----	-----	---	
1	-16	1173-16-16	2.00	2.82	1.50	2.062	1.031	1.00	.41	1 5/16-12	MK 1542	3/8-16 x 1 1/2	219	1.7
		1174-16-16							3/8-16		-----	-----	---	
1	-20	-----	2.50	3.00	3.00	2.062	1.031	1.00	-----	1 5/8-12	-----	-----	---	5.2
		1174-16-20							3/8-16		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G J	K	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	-6	1175-08-06	1.75	2.22	1.25	1.594	.718	.47	.34	9/16-18	MK 501	5/16-18 x 1 1/4	210	1.2
		1176-08-06							5/16-18		-----	-----	---	
1/2	-8	1175-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	1.1
		1176-08-08							5/16-18		-----	-----	---	
3/4	-8	1175-12-08	2.00	2.81	1.50	2.000	.937	.66	.41	3/4-16	MK 1525	3/8-16 x 1 1/2	214	2.0
		1176-12-08							3/8-16		-----	-----	---	
3/4	-10	1175-12-10	2.00	2.81	1.50	2.000	.937	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	1.9
		1176-12-10							3/8-16		-----	-----	---	
3/4	-12	1175-12-12	2.00	2.81	1.50	2.000	.937	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.8
		1176-12-12							3/8-16		-----	-----	---	
1	-12	1175-16-12	2.25	3.19	1.50	2.250	1.093	.94	.47	1 1/16-12	MK 1529	7/16-14 x 1 1/2	219	2.5
		1176-16-12							7/16-14		-----	-----	---	
1	-14	1175-16-14	2.25	3.19	1.50	2.250	1.093	.75	.47	1 3/16-12	MK 1529	7/16-14 x 1 1/2	219	2.4
		1176-16-14							7/16-14		-----	-----	---	
1	-16	1175-16-16	2.25	3.19	1.50	2.250	1.093	1.00	.47	1 5/16-12	MK 1529	7/16-14 x 1 1/2	219	2.3
		1176-16-16							7/16-14		-----	-----	---	

① Order Separately

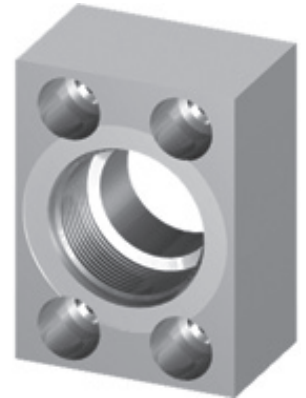
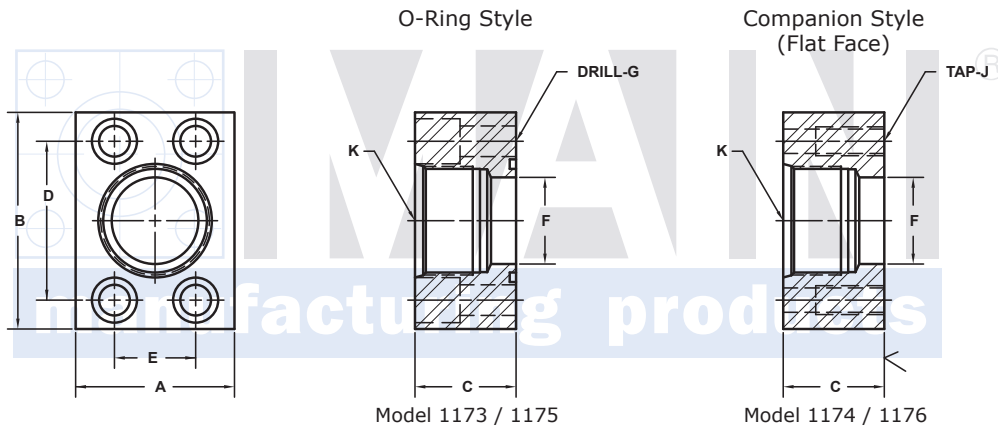
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED IN-LINE FLANGES (Pg 2/2)

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT®			WT
									J		PART NO.	SCREW SIZE	O-RING	
1¼	-16	1173-20-16	2.50	3.19	1.50	2.312	1.188	1.20	.47	1 5/16-12	MK 1527	7/16-14 x 1 1/2	222	2.6
		7/16-14							-----		-----	---		
1¼	-20	1173-20-20	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 5/8-12	MK 1527	7/16-14 x 1 1/2	222	2.3
		7/16-14							-----		-----	---		
1¼	-24	-----	3.00	3.19	3.00	2.312	1.188	1.25	----	1 7/8-12	-----	-----	---	6.4
		1174-20-24							7/16-14		-----	-----	---	
1½	-20	1173-24-20	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 5/8-12	MK 1547	1/2-13 x 1 3/4	225	3.8
		1174-24-20							1/2-13		-----	-----	---	
1½	-24	1173-24-24	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 7/8-12	MK 1547	1/2-13 x 1 3/4	225	3.5
		1174-24-24							1/2-13		-----	-----	---	
1½	-32	-----	3.50	3.75	3.50	2.750	1.406	1.50	----	2 1/2-12	-----	-----	---	9.9
		1174-24-32							1/2-13		-----	-----	---	
2	-20	1173-32-20	3.25	4.00	1.75	3.062	1.688	1.50	.53	1 5/8-12	MK 582	1/2-13 x 1 3/4	228	5.2
		1174-32-20							1/2-13		-----	-----	---	
2	-24	1173-32-24	3.25	4.00	1.75	3.062	1.688	1.75	.53	1 7/8-12	MK 582	1/2-13 x 1 3/4	228	4.8
		1174-32-24							1/2-13		-----	-----	---	
2	-32	-----	3.25	4.00	1.75	3.062	1.688	1.94	----	2 1/2-12	-----	-----	---	3.9
		1174-32-32							1/2-13		-----	-----	---	
2½ ^②	-24	1173-40-24	4.00	4.50	1.75	3.500	2.000	1.75	.53	1 7/8-12	MK 1528	1/2-13 x 1 3/4	232	7.4
		1174-40-24							1/2-13		-----	-----	---	
2½ ^②	-32	1173-40-32	4.00	4.50	1.75	3.500	2.000	2.32	.53	2 1/2-12	MK 1528	1/2-13 x 1 3/4	232	6.3
		1174-40-32							1/2-13		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT ^①			WT	
									J		PART NO.	SCREW SIZE	O-RING		
1¼	-16	1175-20-16	3.00	3.75	1.50	2.625	1.250	1.20	.53	1 5/16-12	MK 1523	1/2-13 x 1 1/2	222	4.0	
		1176-20-16							1/2-13		-----	-----	---		
1¼	-20	1175-20-20	3.00	3.75	1.50	2.625	1.250	1.25	.53	1 5/8-12	MK 1523	1/2-13 x 1 1/2	222	3.7	
		1176-20-20							1/2-13		-----	-----	---		
1½	-16	1175-24-16	3.25	4.50	1.75	3.125	1.437	1.20	.66	1 5/16-12	MK 1544	5/8-11 x 1 3/4	225	6.1	
		1176-24-16							5/8-11		-----	-----	---		
1½	-20	1175-24-20	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 5/8-12	MK 1544	5/8-11 x 1 3/4	225	5.8	
		1176-24-20							5/8-11		-----	-----	---		
1½	-24	1175-24-24	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 7/8-12	MK 1544	5/8-11 x 1 3/4	225	5.5	
		1176-24-24							5/8-11		-----	-----	---		
2	-20	1175-32-20	4.00	5.25	1.75	3.812	1.750	1.50	.78	1 5/8-12	MK 563	3/4-10 x 2	228	8.8	
		1176-32-20							3/4-10		-----	-----	---		
2	-24	1175-32-24	4.00	5.25	1.75	3.812	1.750	1.75	.78	1 7/8-12	MK 563	3/4-10 x 2	228	8.4	
		1176-32-24							3/4-10		-----	-----	---		
2	-32	1175-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	2 1/2-12	MK 563	3/4-10 x 2	228	7.5	
		1176-32-32							3/4-10		-----	-----	---		

① Order Separately

② 2500 PSI Max

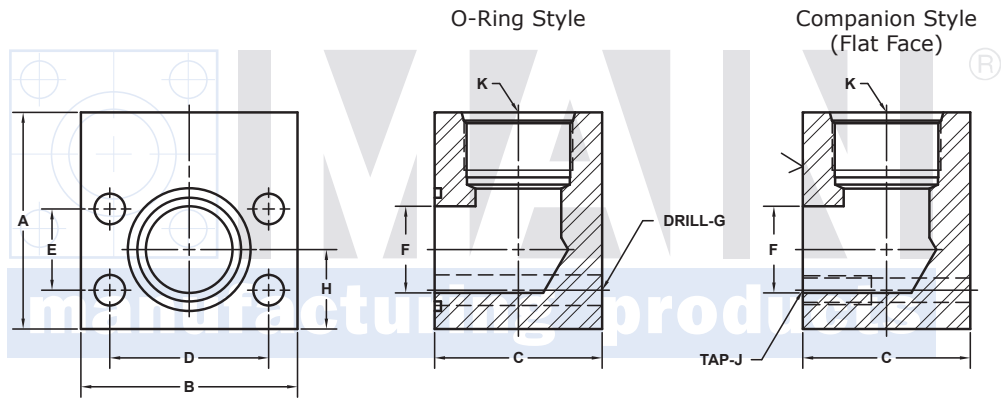
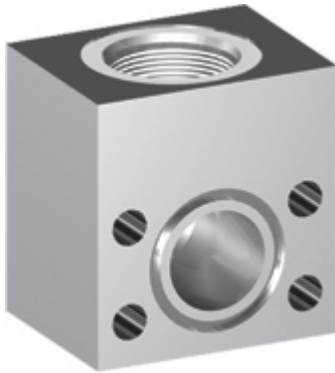
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED ELBOW FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	-4	1177-08-04	2.00	2.12	1.44	1.500	.688	.50	.34	.75	7/16-20	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
1/2	-6	1177-08-06	2.00	2.12	1.44	1.500	.688	.50	.34	.75	9/16-18	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
1/2	-8	1177-08-08	2.00	2.12	1.44	1.500	.688	.50	.34	.75	3/4-16	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
3/4	-8	1177-12-08	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4-16	MK 542	3/8-16 x 2 1/2	214	2.8
		3/8-16							-----			-----	---		
3/4	-10	1177-12-10	2.50	2.62	1.70	1.875	.875	.75	.41	.88	7/8-14	MK 542	3/8-16 x 2 1/2	214	2.7
		3/8-16							-----			-----	---		
3/4	-12	1177-12-12	2.50	2.62	1.70	1.875	.875	.75	.41	.88	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.5
		3/8-16							-----			-----	---		
3/4	-16	1177-12-16	3.00	2.62	2.00	1.875	.875	.75	.41	.88	1 5/16-12	MK 3513	3/8-16 x 2 3/4	214	3.4
		3/8-16							-----			-----	---		
1	-12	1177-16-12	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1 1/16-12	MK 543	3/8-16 x 2 3/4	219	4.0
		3/8-16							-----			-----	---		
1	-14	1177-16-14	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1 3/16-12	MK 543	3/8-16 x 2 3/4	219	3.9
		3/8-16							-----			-----	---		
1	-16	1177-16-16	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1 5/16-12	MK 543	3/8-16 x 2 3/4	219	3.7
		3/8-16							-----			-----	---		
1	-20	1177-16-20	3.50	2.82	2.50	2.062	1.031	1.00	.41	1.00	1 5/8-12	MK 577	3/8-16 x 3 1/4	219	4.4
		3/8-16							-----			-----	---		

MATERIAL:
Low Carbon Steel^⑤



Model 1177 / 1179

Model 1178 / 1180

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	-6	1179-08-06	2.00	2.22	1.46	1.594	.718	.50	.34	.88	9/16-18	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
1½	-8	1179-08-08	2.00	2.22	1.46	1.594	.718	.50	.34	.88	3/4-16	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
¾	-8	1179-12-08	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	¾-16	MK 542	3/8-16 x 2 1/2	214	3.1
		3/8-16							-----			-----	---		
¾	-10	1179-12-10	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	7/8-14	MK 542	3/8-16 x 2 1/2	214	3.0
		3/8-16							-----			-----	---		
¾	-12	1179-12-12	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.8
		3/8-16							-----			-----	---		
1	-12	1179-16-12	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1 1/16-12	MK 551	7/16-14 x 2 ¾	219	4.6
		7/16-14							-----			-----	---		
1	-14	1179-16-14	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1 ¾-16-12	MK 551	7/16-14 x 2 ¾	219	4.5
		7/16-14							-----			-----	---		
1	-16	1179-16-16	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1 5/16-12	MK 551	7/16-14 x 2 ¾	219	4.3
		7/16-14							-----			-----	---		

① Order Separately

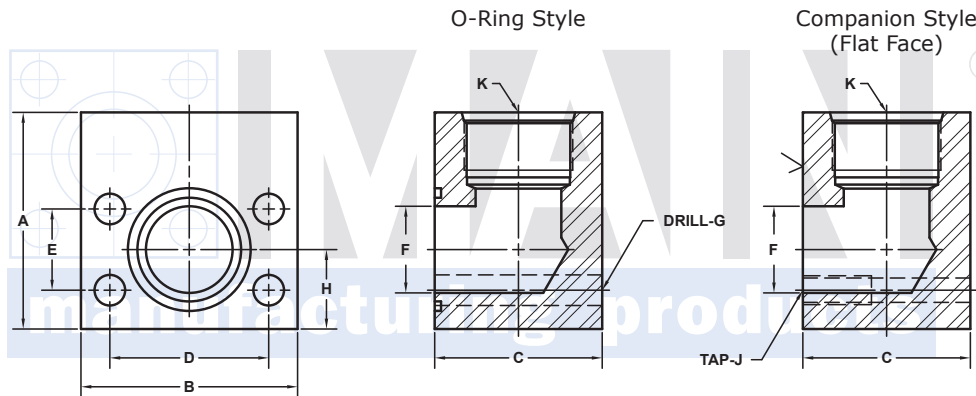
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1¼	-16	1177-20-16	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/16-12	MK 578	7/16-14 x 3 1/4	222	6.3
		7/16-14							-----			---			
1¼	-20	1177-20-20	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/8-12	MK 578	7/16-14 x 3 1/4	222	6.1
		7/16-14							-----			---			
1¼	-24	1177-20-24	4.00	3.19	3.00	2.312	1.188	1.25	.47	1.25	1 7/8-12	MK 591	7/16-14 x 4	222	8.1
		7/16-14							-----			---			
1½	-16	1177-24-16	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 5/16-12	MK 545	1/2-13 x 4	225	10.1
		1/2-13							-----			---			
1½	-20	1177-24-20	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 5/8-12	MK 545	1/2-13 x 4	225	10.0
		1/2-13							-----			---			
1½	-24	1177-24-24	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 7/8-12	MK 545	1/2-13 x 4	225	9.8
		1/2-13							-----			---			
1½	-32	1177-24-32	4.00	4.00	4.00	2.750	1.406	1.50	.53	1.38	2 1/2-12	MK 1508	1/2-13 x 5	225	13.6
		1/2-13							-----			---			
2	-16	1177-32-16	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.62	1 5/16-12	MK 558	1/2-13 x 4	228	12.0
		1/2-13							-----			---			
2	-20	1177-32-20	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.62	1 5/8-12	MK 558	1/2-13 x 4	228	11.6
		1/2-13							-----			---			
2	-24	1177-32-24	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.62	1 7/8-12	MK 558	1/2-13 x 4	228	11.1
		1/2-13							-----			---			
2	-32	1177-32-32	4.25	4.00	3.94	3.062	1.688	1.94	.53	1.62	2 1/2-12	MK 592	1/2-13 x 5	228	13.9
		1/2-13							-----			---			

MATERIAL:
Low Carbon Steel^⑤



Model 1177 / 1179

Model 1178 / 1180

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1¼	-16	1179-20-16	4.00	3.75	2.40	2.625	1.250	1.25	.53	1.38	1 5/16-12	MK 552	1/2-13 x 3 1/4	222	8.6
		1/2-13							-----			-----	---		
1¼	-20	1179-20-20	4.00	3.75	2.40	2.625	1.250	1.25	.53	1.38	1 5/8-12	MK 552	1/2-13 x 3 1/4	222	8.6
		1/2-13							-----			-----	---		
1½	-16	1179-24-16	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 5/16-12	MK 553	5/8-11 x 4	225	12.7
		5/8-11							-----			-----	---		
1½	-20	1179-24-20	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 5/8-12	MK 553	5/8-11 x 4	225	12.5
		5/8-11							-----			-----	---		
1½	-24	1179-24-24	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 7/8-12	MK 553	5/8-11 x 4	225	12.2
		5/8-11							-----			-----	---		
2	-20	1179-32-20	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	1 5/8-12	MK 554	3/4-10 x 4 1/2	228	15.9
		3/4-10							-----			-----	---		
2	-24	1179-32-24	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	1 7/8-12	MK 554	3/4-10 x 4 1/2	228	15.5
		3/4-10							-----			-----	---		
2	-32	1179-32-32	5.00	5.25	3.94	3.812	1.750	1.94	.78	2.00	2 1/2-12	MK 1507	3/4-10 x 5	228	21.1
		3/4-10							-----			-----	---		

① Order Separately

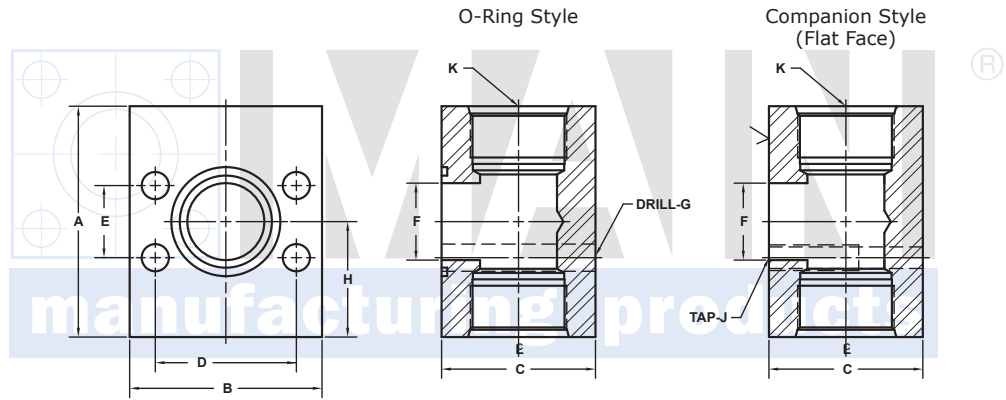
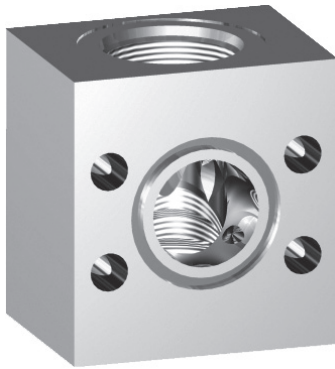
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED BRANCH TEE FLANGES

SAE BOLT PATTERN									61 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	-8	1157-08-08	2.50	2.12	1.44	1.500	.688	.50	.34	1.25	3/4-16	MK 541	5/16-18 x 2	210	1.7
		5/16-18							-----			-----	---		
3/4	-10	1157-12-10	3.00	2.62	1.70	1.875	.875	.50	.41	1.50	7/8-14	MK 542	3/8-16 x 2 1/2	214	3.0
		3/8-16							-----			-----	---		
3/4	-12	1157-12-12	3.00	2.62	1.70	1.875	.875	.75	.41	1.50	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.8
		3/8-16							-----			-----	---		
1	-14	1157-16-14	4.00	2.82	1.94	2.062	1.031	.75	.41	2.00	1 3/16-12	MK 543	3/8-16 x 2 3/4	219	4.7
		3/8-16							-----			-----	---		
1	-16	1157-16-16	4.00	2.82	1.94	2.062	1.031	1.00	.41	2.00	1 5/16-12	MK 543	3/8-16 x 2 3/4	219	4.6
		3/8-16							-----			-----	---		
1 1/4	-20	1157-20-20	4.50	3.19	2.40	2.312	1.188	1.25	.47	2.25	1 5/8-12	MK 578	7/16-14 x 3 1/4	222	7.0
		7/16-14							-----			-----	---		
1 1/2	-20	1157-24-20	4.50	3.75	2.90	2.750	1.406	1.50	.53	2.25	1 5/8-12	MK 545	1/2-13 x 4	225	10.3
		1/2-13							-----			-----	---		
1 1/2	-24	1157-24-24	4.50	3.75	2.90	2.750	1.406	1.50	.53	2.25	1 7/8-12	MK 545	1/2-13 x 4	225	9.8
		1/2-13							-----			-----	---		
2	-20	1157-32-20	5.25	4.00	2.94	3.062	1.688	1.94	.53	2.62	1 5/8-12	MK 558	1/2-13 x 4	228	13.2
		1/2-13							-----			-----	---		
2	-24	1157-32-24	5.25	4.00	2.94	3.062	1.688	1.94	.53	2.62	1 7/8-12	MK 558	1/2-13 x 4	228	12.7
		1/2-13							-----			-----	---		
2	-32	1157-32-32	5.25	4.00	3.94	3.062	1.688	1.94	.53	2.62	2 1/2-12	MK 592	1/2-13 x 5	228	15.7
		1/2-13							-----			-----	---		

MATERIAL:
Low Carbon Steel®



Model 1157 / 1159

Model 1158 / 1160

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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	-8	1159-08-08	2.50	2.22	1.46	1.594	.718	.50	.34	1.25	3/4-16	MK 541	5/16-18 x 2	210	1.8
		5/16-18							-----			-----	---		
¾	-10	1159-12-10	3.00	2.81	1.70	2.000	.937	.50	.41	1.50	7/8-14	MK 542	3/8-16 x 2 1/2	214	3.3
		3/8-16							-----			-----	---		
¾	-12	1159-12-12	3.00	2.81	1.70	2.000	.937	.75	.41	1.50	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	3.1
		3/8-16							-----			-----	---		
1	-14	1159-16-14	4.00	3.19	1.96	2.250	1.093	.75	.47	2.00	1 3/16-12	MK 551	7/16-14 x 2 3/4	219	5.5
		7/16-14							-----			-----	---		
1	-16	1159-16-16	4.00	3.19	1.96	2.250	1.093	1.00	.47	2.00	1 5/16-12	MK 551	7/16-14 x 2 3/4	219	5.4
		7/16-14							-----			-----	---		
1¼	-20	1159-20-20	4.50	3.75	2.44	2.625	1.250	1.25	.53	2.25	1 5/8-12	MK 552	1/2-13 x 3 1/4	222	9.0
		1/2-13							-----			-----	---		
1½	-24	1159-24-24	4.50	4.50	2.96	3.125	1.437	1.50	.66	2.25	1 7/8-12	MK 553	5/8-11 x 4	225	12.7
		5/8-11							-----			-----	---		
2	-32	1159-32-32	6.00	5.25	3.94	3.812	1.750	1.94	.78	3.00	2 1/2-12	MK 1507	3/4-10 x 5	228	25.8
		3/4-10							-----			-----	---		

① Order Separately

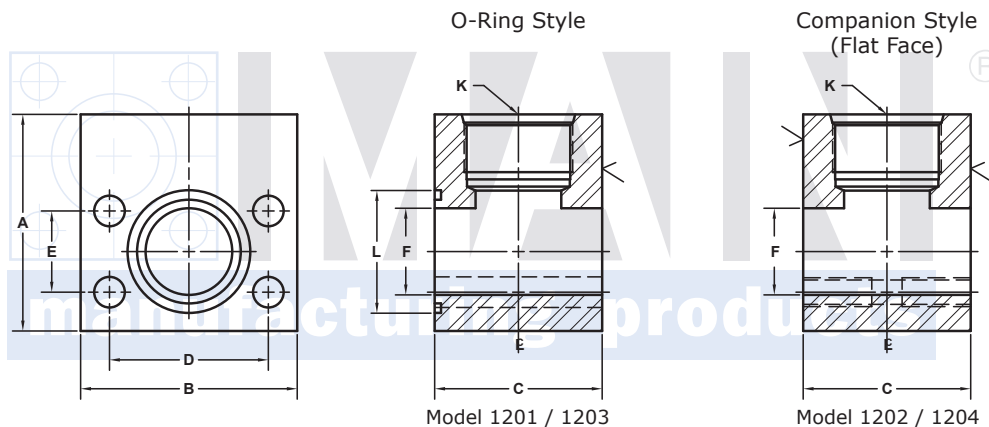
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED RUN TEE FLANGES

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	1201-08-08	2.00	2.12	1.44	1.500	.688	.50	3/4-16	1.000	210	1.5
		1202-08-08								---	---	
1/2	-12	1201-08-12	2.75	2.12	1.75	1.500	.688	.50	1 1/16-12	1.000	210	2.3
		1202-08-12								---	---	
3/4	-8	1201-12-08	2.50	2.62	1.70	1.875	.875	.75	3/4-16	1.250	214	2.7
		1202-12-08								---	---	
3/4	-10	1201-12-10	2.50	2.62	1.70	1.875	.875	.75	7/8-14	1.250	214	2.7
		1202-12-10								---	---	
3/4	-12	1201-12-12	2.50	2.62	1.70	1.875	.875	.75	1 1/16-12	1.250	214	2.5
		1202-12-12								---	---	
1	-12	1201-16-12	3.00	2.82	1.94	2.062	1.031	1.00	1 1/16-12	1.562	219	3.8
		1202-16-12								---	---	
1	-14	1201-16-14	3.00	2.82	1.94	2.062	1.031	1.00	1 3/16-12	1.562	219	3.7
		1202-16-14								---	---	
1	-16	1201-16-16	3.00	2.82	1.94	2.062	1.031	1.00	1 5/16-12	1.562	219	3.5
		1202-16-16								---	---	
1 1/4	-20	1201-20-20	3.50	3.19	2.40	2.312	1.188	1.25	1 5/8-12	1.750	222	5.7
		1202-20-20								---	---	
1 1/2	-24	1201-24-24	4.00	3.75	2.90	2.750	1.406	1.50	1 7/8-12	2.125	225	10.0
		1202-24-24								---	---	
2	-32	1201-32-32	4.25	4.00	3.94	3.062	1.688	1.94	2 1/2-12	2.500	228	14.0
		1202-32-32								---	---	

MATERIAL:
Low Carbon Steel^⑤



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

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	1203-08-08	2.00	2.22	1.46	1.594	.718	.50	3/4-16	1.000	210	1.7
		1204-08-08								---	---	
3/4	-10	1203-12-10	2.50	2.81	1.70	2.000	.937	.75	7/8-14	1.250	214	3.0
		1204-12-10								---	---	
3/4	-12	1203-12-12	2.50	2.81	1.70	2.000	.937	.75	1 1/16-12	1.250	214	2.7
		1204-12-12								---	---	
1	-14	1203-16-14	3.00	3.19	1.96	2.250	1.093	1.00	1 3/16-12	1.562	219	4.5
		1204-16-14								---	---	
1	-16	1203-16-16	3.00	3.19	1.96	2.250	1.093	1.00	1 5/16-12	1.562	219	4.5
		1204-16-16								---	---	
1 1/4	-20	1203-20-20	4.00	3.75	2.44	2.625	1.250	1.25	1 5/8-12	1.750	222	7.8
		1204-20-20								---	---	
1 1/2	-24	1203-24-24	4.00	4.50	2.96	3.125	1.437	1.50	1 7/8-12	2.125	225	12.0
		1204-24-24								---	---	
2	-32	1203-32-32	5.00	5.25	3.94	3.812	1.750	1.94	2 1/2-12	2.500	228	20.2
		1204-32-32								---	---	

① Includes Buna-N O-Ring

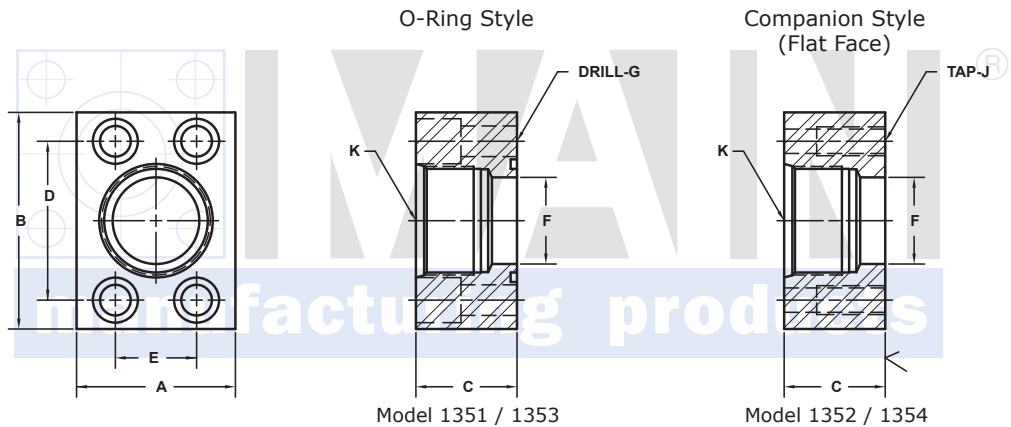
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

BSPP THREADED IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G J	K	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	-8	1351-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	1/2-14	MK 501	5/16-18 x 1 1/4	210	.8
		1352-08-08							5/16-18		-----	-----	---	
3/4	-8	1351-12-08	1.75	2.62	1.50	1.875	.875	.74	.41	1/2-14	MK 1525	3/8-16 x 1 1/2	214	1.4
		1352-12-08							3/8-16		-----	-----	---	
3/4	-12	1351-12-12	1.75	2.62	1.50	1.875	.875	.75	.41	3/4-14	MK 1525	3/8-16 x 1 1/2	214	1.3
		1352-12-12							3/8-16		-----	-----	---	
1	-12	1351-16-12	2.00	2.82	1.50	2.062	1.031	.94	.41	3/4-14	MK 1542	3/8-16 x 1 1/2	219	1.7
		1352-16-12							3/8-16		-----	-----	---	
1	-16	1351-16-16	2.00	2.82	1.50	2.062	1.031	1.00	.41	1-11	MK 1542	3/8-16 x 1 1/2	219	1.6
		1352-16-16							3/8-16		-----	-----	---	
1 1/4	-20	1351-20-20	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 1/4-11	MK 1527	7/16-14 x 1 1/2	222	2.1
		1352-20-20							7/16-14		-----	-----	---	
1 1/2	-20	1351-24-20	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/4-11	MK 1547	1/2-13 x 1 3/4	225	3.4
		1352-24-20							1/2-13		-----	-----	---	
1 1/2	-24	1351-24-24	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/2-11	MK 1547	1/2-13 x 1 3/4	225	3.2
		1352-24-24							1/2-13		-----	-----	---	
2	-24	1351-32-24	3.25	4.00	1.75	3.062	1.688	1.75	.53	1 1/2-11	MK 582	1/2-13 x 1 3/4	228	4.5
		1352-32-24							1/2-13		-----	-----	---	
2	-32	1351-32-32	3.25	4.00	2.00	3.062	1.688	1.94	.53	2-11	MK 582	1/2-13 x 1 3/4	228	3.8
		1352-32-32							1/2-13		-----	-----	---	
2 1/2 ^②	-32	1351-40-32	4.00	4.50	1.75	3.500	2.000	2.12	.53	2-11	MK 1528	1/2-13 x 1 3/4	232	6.2
		1352-40-32							1/2-13		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1351 / 1353

Model 1352 / 1354

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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G J	K	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	-8	1353-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	1/2-14	MK 501	5/16-18 x 1 1/4	210	1.0
		1354-08-08							5/16-18		-----	-----	---	
3/4	-8	1353-12-08	2.00	2.81	1.50	2.000	.937	.74	.41	1/2-14	MK 1525	3/8-16 x 1 1/2	214	1.9
		1354-12-08							3/8-16		-----	-----	---	
3/4	-12	1353-12-12	2.00	2.81	1.50	2.000	.937	.75	.41	3/4-14	MK 1525	3/8-16 x 1 1/2	214	1.7
		1354-12-12							3/8-16		-----	-----	---	
1	-12	1353-16-12	2.25	3.19	1.50	2.250	1.093	.94	.47	3/4-14	MK 1529	7/16-14 x 1 1/2	219	2.3
		1354-16-12							7/16-14		-----	-----	---	
1	-16	1353-16-16	2.25	3.19	1.50	2.250	1.093	1.00	.47	1-11	MK 1529	7/16-14 x 1 1/2	219	2.1
		1354-16-16							7/16-14		-----	-----	---	
1 1/4	-20	1353-20-20	3.00	3.75	1.50	2.625	1.250	1.25	.53	1 1/4-11	MK 1523	1/2-13 x 1 1/2	222	3.4
		1354-20-20							1/2-13		-----	-----	---	
1 1/2	-24	1353-24-24	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 1/2-11	MK 1544	5/8-11 x 1 3/4	225	4.9
		1354-24-24							5/8-11		-----	-----	---	
2	-32	1353-32-32	4.00	5.25	2.00	3.812	1.750	1.94	.78	2-11	MK 563	3/4-10 x 2	228	6.7
		1354-32-32							3/4-10		-----	-----	---	

① Order Separately

② 2500 PSI Max

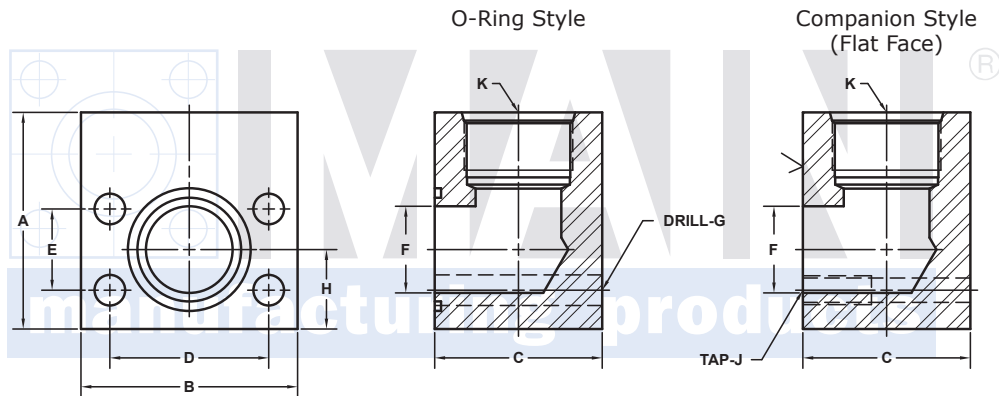
⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

BSPP THREADED ELBOW FLANGES

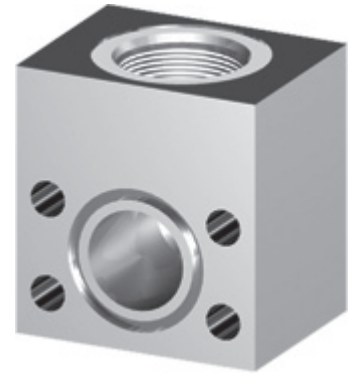
SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	-8	1359-08-08	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2-14	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
3/4	-8	1359-12-08	2.50	2.62	1.70	1.875	.875	.50	.41	.88	1/2-14	MK 542	3/8-16 x 2 1/2	214	2.7
		3/8-16							-----			-----	---		
3/4	-12	1359-12-12	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4-14	MK 542	3/8-16 x 2 1/2	214	2.5
		3/8-16							-----			-----	---		
1	-12	1359-16-12	3.00	2.82	1.94	2.062	1.031	.75	.41	1.00	3/4-14	MK 543	3/8-16 x 2 3/4	219	3.9
		3/8-16							-----			-----	---		
1	-16	1359-16-16	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1-11	MK 543	3/8-16 x 2 3/4	219	3.7
		3/8-16							-----			-----	---		
1 1/4	-20	1359-20-20	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 1/4-11	MK 578	7/16-14 x 3 1/4	222	5.8
		7/16-14							-----			-----	---		
1 1/2	-20	1359-24-20	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/4-11	MK 545	1/2-13 x 4	225	9.2
		1/2-13							-----			-----	---		
1 1/2	-24	1359-24-24	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/2-11	MK 545	1/2-13 x 4	225	9.2
		1/2-13							-----			-----	---		
2	-20	1359-32-20	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/4-11	MK 558	1/2-13 x 4	228	12.0
		1/2-13							-----			-----	---		
2	-24	1359-32-24	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/2-11	MK 558	1/2-13 x 4	228	12.0
		1/2-13							-----			-----	---		
2	-32	1359-32-32	4.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	2-11	MK 546	1/2-13 x 4 1/2	228	12.0
		1/2-13							-----			-----	---		

MATERIAL:
Low Carbon Steel^⑤



Model 1359 / 1361

Model 1360 / 1362



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	-8	1361-08-08	2.00	2.22	1.46	1.594	.718	.50	.34	.88	1/2-14	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
¾	-8	1361-12-08	2.50	2.81	1.70	2.000	.937	.50	.41	1.00	1/2-14	MK 542	3/8-16 x 2 1/2	214	3.0
		3/8-16							-----			-----	---		
¾	-12	1361-12-12	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	3/4-14	MK 542	3/8-16 x 2 1/2	214	2.8
		3/8-16							-----			-----	---		
1	-12	1361-16-12	3.00	3.19	1.96	2.250	1.093	.75	.47	1.12	3/4-14	MK 551	7/16-14 x 2 3/4	219	4.5
		7/16-14							-----			-----	---		
1	-16	1361-16-16	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1-11	MK 551	7/16-14 x 2 3/4	219	4.3
		7/16-14							-----			-----	---		
1¼	-20	1361-20-20	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 1/4-11	MK 552	1/2-13 x 3 1/4	222	8.3
		1/2-13							-----			-----	---		
1½	-24	1361-24-24	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 1/2-11	MK 553	5/8-11 x 4	225	12.0
		5/8-11							-----			-----	---		
2	-32	1361-32-32	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2-11	MK 554	3/4-10 x 4 1/2	228	19.7
		3/4-10							-----			-----	---		

① Order Separately

⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

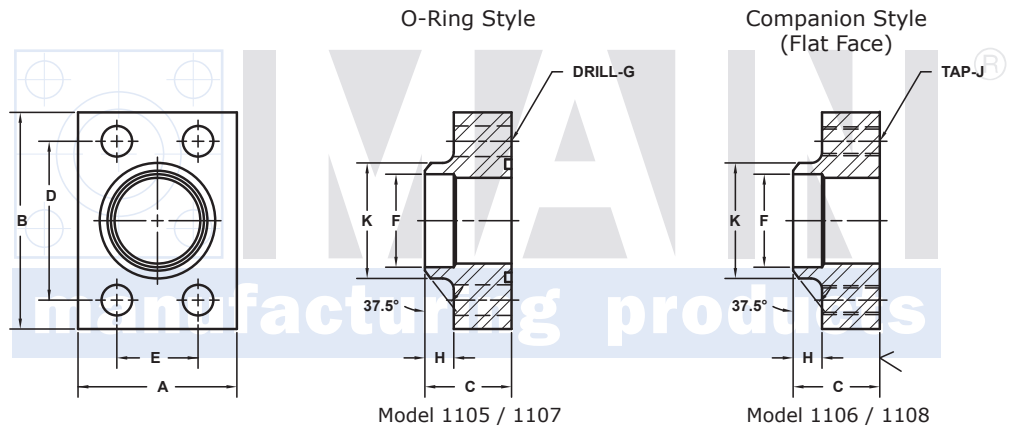
BUTT WELD IN-LINE FLANGES (Pg 1/2)

For Schedule 40 Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1105-08-08	1.50	2.12	1.25	1.500	.688	.62	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		1106-08-08							5/16-18			-----	-----	---	
3/4	1/2	1105-12-08	1.75	2.62	1.25	1.875	.875	.62	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.0
		1106-12-08							3/8-16			-----	-----	---	
3/4	3/4	1105-12-12	1.75	2.62	1.25	1.875	.875	.82	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		1106-12-12							3/8-16			-----	-----	---	
1	3/4	1105-16-12	2.00	2.82	1.25	2.062	1.031	.82	.41	.38	1.12	MK 1542	3/8-16 x 1 1/2	219	1.3
		1106-16-12							3/8-16			-----	-----	---	
1	1	1105-16-16	2.00	2.82	1.25	2.062	1.031	1.04	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		1106-16-16							3/8-16			-----	-----	---	
1 1/4	1	1105-20-16	2.50	3.19	1.25	2.312	1.188	1.04	.47	.38	1.38	MK 1527	7/16-14 x 1 1/2	222	1.7
		1106-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1105-20-20	2.50	3.19	1.25	2.312	1.188	1.38	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		1106-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	-----	2.50	3.19	1.50	2.312	1.188	1.61	----	.50	2.00	-----	-----	---	2.0
		1106-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/4	1105-24-20	2.75	3.75	1.50	2.750	1.406	1.38	.53	.50	1.75	MK 1547	1/2-13 x 1 3/4	225	2.6
		1106-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1105-24-24	2.75	3.75	1.50	2.750	1.406	1.61	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		1106-24-24							1/2-13			-----	-----	---	
1 1/2	2	-----	3.50	3.75	2.25	2.750	1.406	2.06	----	.50	2.50	-----	-----	---	5.6
		1106-24-32							1/2-13			-----	-----	---	

MATERIAL:

Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	1107-08-08	1.75	2.22	1.25	1.594	.718	.62	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8	
		1108-08-08							5/16-18			-----	-----	---		
3/4	1/2	1107-12-08	2.00	2.81	1.25	2.000	.937	.62	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.3	
		1108-12-08							3/8-16			-----	-----	---		
3/4	3/4	1107-12-12	2.00	2.81	1.25	2.000	.937	.82	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3	
		1108-12-12							3/8-16			-----	-----	---		
1	3/4	1107-16-12	2.25	3.19	1.25	2.250	1.093	.82	.47	.38	1.12	MK 513	7/16-14 x 1 3/4	219	1.6	
		1108-16-12							7/16-14			-----	-----	---		
1	1	1107-16-16	2.25	3.19	1.25	2.250	1.093	1.04	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5	
		1108-16-16							7/16-14			-----	-----	---		
1 1/4	1	1107-20-16	2.75	3.75	1.25	2.625	1.250	1.04	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	2.3	
		1108-20-16							1/2-13			-----	-----	---		
1 1/4	1 1/4	1107-20-20	2.75	3.75	1.25	2.625	1.250	1.38	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1	
		1108-20-20							1/2-13			-----	-----	---		
1 1/4	1 1/2	-----	3.00	3.75	1.50	2.625	1.250	1.61	----	.50	2.00	-----	-----	---	3.1	
		1108-20-24							1/2-13			-----	-----	---		

① Order Separately

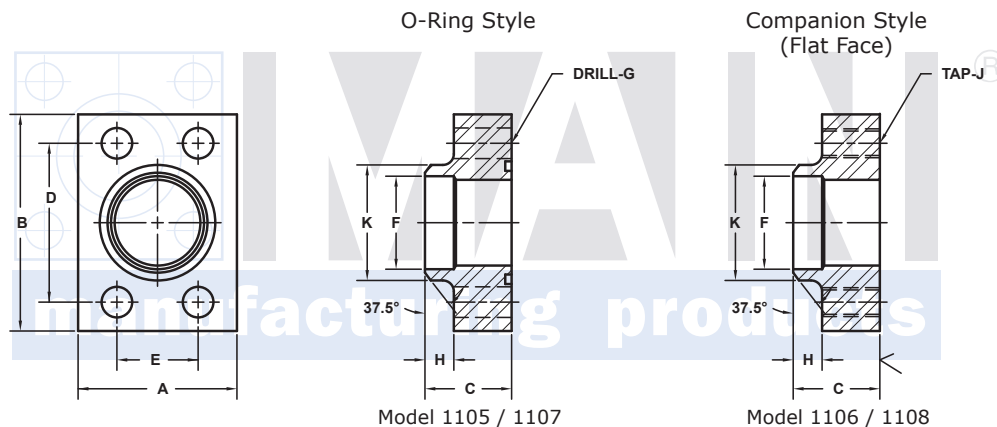
⑥ Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES (Pg 2/2)

For Schedule 40 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1105-32-20	3.25	4.00	1.50	3.062	1.688	1.38	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.3
		1106-32-20							1/2-13			-----	-----	---	
2	1½	1105-32-24	3.25	4.00	1.50	3.062	1.688	1.61	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.2
		1106-32-24							1/2-13			-----	-----	---	
2	2	1105-32-32	3.25	4.00	1.50	3.062	1.688	2.06	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		1106-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1105-40-32	4.00	4.50	1.75	3.500	2.000	2.06	.53	.50	2.50	MK 561	1/2-13 x 2	232	5.3
		1106-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1105-40-40	4.00	4.50	1.75	3.500	2.000	2.47	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		1106-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1105-48-40	4.50	5.31	2.00	4.188	2.438	2.47	.66	.50	3.00	MK 585	5/8-11 x 2 1/2	237	8.1
		1106-48-40							5/8-11			-----	-----	---	
3 ^③	3	1105-48-48	4.50	5.31	2.00	4.188	2.438	3.06	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		1106-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1105-56-48	5.00	6.00	1.50	4.750	2.750	3.06	.66	.50	3.50	MK 1571	5/8-11 x 2	241	6.6
		1106-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1105-56-56	5.00	6.00	1.50	4.750	2.750	3.54	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		1106-56-56							5/8-11			-----	-----	---	
4 ^④	3	1105-64-48	5.50	6.38	1.50	5.125	3.062	3.06	.66	.50	3.50	MK 1572	5/8-11 x 2	245	8.1
		1106-64-48							5/8-11			-----	-----	---	
4 ^④	4	1105-64-64	5.50	6.38	1.50	5.125	3.062	4.02	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		1106-64-64							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



Model 1105 / 1107

Model 1106 / 1108

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1½	1¼	1107-24-20	3.25	4.50	1.50	3.125	1.437	1.38	.66	.50	1.75	MK 562	5/8-11 x 2	225	3.5
		1108-24-20							5/8-11			-----	-----	---	
1½	1½	1107-24-24	3.25	4.50	1.50	3.125	1.437	1.61	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		1108-24-24							5/8-11			-----	-----	---	
1½	2	-----	4.00	4.50	2.00	3.125	1.437	2.06	----	.50	2.50	-----	-----	---	6.8
		1108-24-32							5/8-11			-----	-----	---	
2	1½	1107-32-24	4.00	5.25	1.75	3.812	1.750	1.61	.78	.50	2.00	MK 1548	3/4-10 x 2 1/2	228	6.4
		1108-32-24							3/4-10			-----	-----	---	
2	2	1107-32-32	4.00	5.25	1.75	3.812	1.750	2.06	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		1108-32-32							3/4-10			-----	-----	---	
2½	2	1107-40-32	5.00	6.88	2.00	4.875	2.312	2.06	.94	.50	2.50	MK 1575	7/8-9 x 2 3/4	232	12.8
		1108-40-32							7/8-9			-----	-----	---	
2½	2½	1107-40-40	5.00	6.88	2.00	4.875	2.312	2.47	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		1108-40-40							7/8-9			-----	-----	---	
3	3	1107-48-48	6.00	8.50	2.50	6.000	2.812	3.06	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		1108-48-48							1 1/8-7			-----	-----	---	

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

® Other Pipe and Tube Sizes are Available

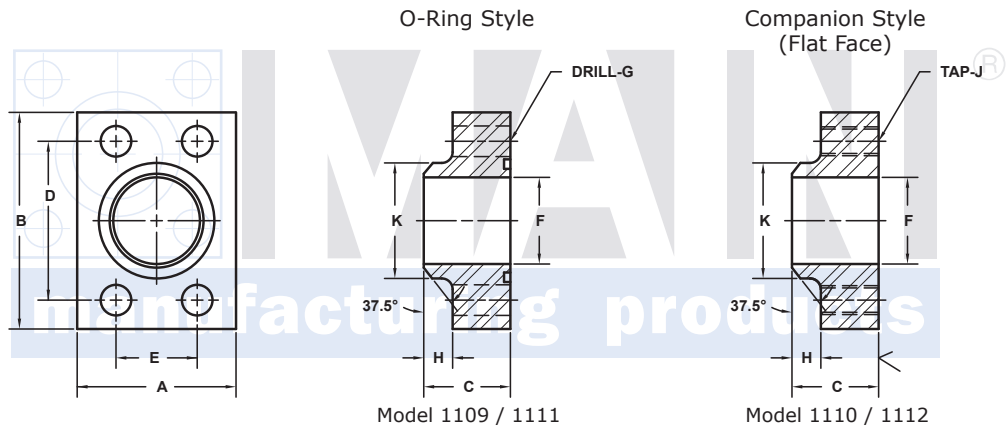
BUTT WELD IN-LINE FLANGES (Pg 1/2)

For Schedule 80 Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1109-08-08	1.50	2.12	1.25	1.500	.688	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		1110-08-08							5/16-18			-----	-----	---	
3/4	1/2	1109-12-08	1.75	2.62	1.25	1.875	.875	.53	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.0
		1110-12-08							3/8-16			-----	-----	---	
3/4	3/4	1109-12-12	1.75	2.62	1.25	1.875	.875	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		1110-12-12							3/8-16			-----	-----	---	
1	3/4	1109-16-12	2.00	2.82	1.25	2.062	1.031	.75	.41	.38	1.12	MK 1542	3/8-16 x 1 1/2	219	1.3
		1110-16-12							3/8-16			-----	-----	---	
1	1	1109-16-16	2.00	2.82	1.25	2.062	1.031	.94	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		1110-16-16							3/8-16			-----	-----	---	
1 1/4	1	1109-20-16	2.50	3.19	1.25	2.312	1.188	.94	.47	.38	1.38	MK 1527	7/16-14 x 1 1/2	222	1.8
		1110-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1109-20-20	2.50	3.19	1.25	2.312	1.188	1.25	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		1110-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	-----	2.50	3.19	1.50	2.312	1.188	1.25	---	.50	2.00	-----	-----	---	2.1
		1110-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/4	1109-24-20	2.75	3.75	1.50	2.750	1.406	1.25	.53	.50	1.75	MK 1547	1/2-13 x 1 3/4	225	2.6
		1110-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1109-24-24	2.75	3.75	1.50	2.750	1.406	1.50	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		1110-24-24							1/2-13			-----	-----	---	
1 1/2	2	-----	3.50	3.75	2.25	2.750	1.406	1.50	---	.50	2.50	-----	-----	---	5.8
		1110-24-32							1/2-13			-----	-----	---	

MATERIAL:

Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1111-08-08	1.75	2.22	1.25	1.594	.718	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		1112-08-08							5/16-18			-----	-----	---	
3/4	1/2	1111-12-08	2.00	2.81	1.25	2.000	.937	.53	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.3
		1112-12-08							3/8-16			-----	-----	---	
3/4	3/4	1111-12-12	2.00	2.81	1.25	2.000	.937	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		1112-12-12							3/8-16			-----	-----	---	
1	3/4	1111-16-12	2.25	3.19	1.25	2.250	1.093	.75	.47	.38	1.12	MK 513	7/16-14 x 1 3/4	219	1.6
		1112-16-12							7/16-14			-----	-----	---	
1	1	1111-16-16	2.25	3.19	1.25	2.250	1.093	.94	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5
		1112-16-16							7/16-14			-----	-----	---	
1 1/4	1	1111-20-16	2.75	3.75	1.25	2.625	1.250	.94	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	2.3
		1112-20-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1111-20-20	2.75	3.75	1.25	2.625	1.250	1.25	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1
		1112-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.75	1.50	2.625	1.250	1.25	----	.50	2.00	-----	-----	---	3.1
		1112-20-24							1/2-13			-----	-----	---	

① Order Separately

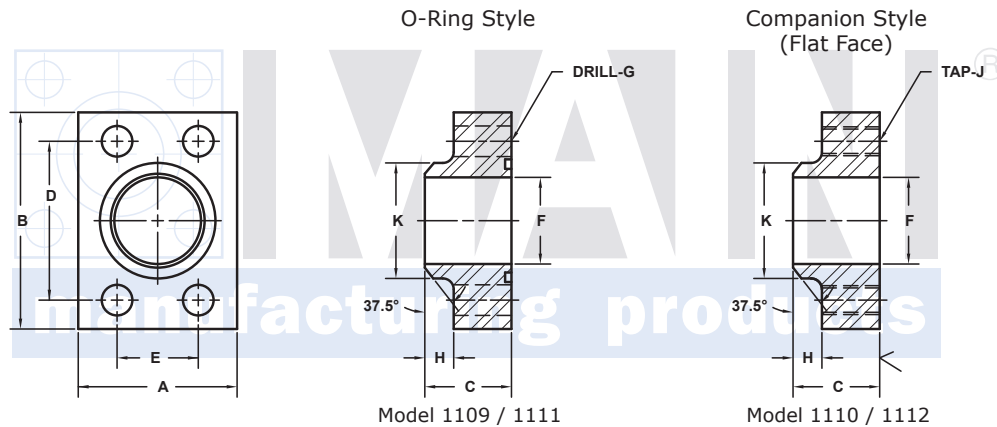
⑥ Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES (Pg 2/2)

For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
2	1¼	1109-32-20	3.25	4.00	1.50	3.062	1.688	1.25	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.4
		1110-32-20							1/2-13			-----	-----	---	
2	1½	1109-32-24	3.25	4.00	1.50	3.062	1.688	1.50	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.2
		1110-32-24							1/2-13			-----	-----	---	
2	2	1109-32-32	3.25	4.00	1.50	3.062	1.688	1.94	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		1110-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1109-40-32	4.00	4.50	1.75	3.500	2.000	1.94	.53	.50	2.50	MK 561	1/2-13 x 2	232	5.4
		1110-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1109-40-40	4.00	4.50	1.75	3.500	2.000	2.32	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		1110-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1109-48-40	4.50	5.31	2.00	4.188	2.438	2.32	.66	.50	3.00	MK 585	5/8-11 x 2 1/2	237	8.3
		1110-48-40							5/8-11			-----	-----	---	
3 ^③	3	1109-48-48	4.50	5.31	2.00	4.188	2.438	2.90	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		1110-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1109-56-48	5.00	6.00	1.50	4.750	2.750	2.90	.66	.50	3.50	MK 1571	5/8-11 x 2	241	6.8
		1110-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1109-56-56	5.00	6.00	1.50	4.750	2.750	3.36	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		1110-56-56							5/8-11			-----	-----	---	
4 ^④	3	1109-64-48	5.50	6.38	1.50	5.125	3.062	2.90	.66	.50	3.50	MK 1572	5/8-11 x 2	245	8.2
		1110-64-48							5/8-11			-----	-----	---	
4 ^④	4	1109-64-64	5.50	6.38	1.50	5.125	3.062	3.83	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		1110-64-64							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1111-24-20	3.25	4.50	1.50	3.125	1.437	1.25	.66	.50	1.75	MK 562	5/8-11 x 2	225	3.7
		1112-24-20							5/8-11			-----	-----	---	
1½	1½	1111-24-24	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		1112-24-24							5/8-11			-----	-----	---	
1½	2	-----	4.00	4.50	2.00	3.125	1.437	1.50	----	.50	2.50	-----	-----	---	6.9
		1112-24-32							5/8-11			-----	-----	---	
2	1½	1111-32-24	4.00	5.25	1.75	3.812	1.750	1.50	.78	.50	2.00	MK 1548	3/4-10 x 2 1/2	228	6.6
		1112-32-24							3/4-10			-----	-----	---	
2	2	1111-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		1112-32-32							3/4-10			-----	-----	---	
2½	2	1111-40-32	5.00	6.88	2.00	4.875	2.312	1.94	.94	.50	2.50	MK 1575	7/8-9 x 2 3/4	232	12.8
		1112-40-32							7/8-9			-----	-----	---	
2½	2½	1111-40-40	5.00	6.88	2.00	4.875	2.312	2.32	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		1112-40-40							7/8-9			-----	-----	---	
3	3	1111-48-48	6.00	8.50	2.50	6.000	2.812	2.90	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		1112-48-48							1 1/8-7			-----	-----	---	

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

® Other Pipe and Tube Sizes are Available

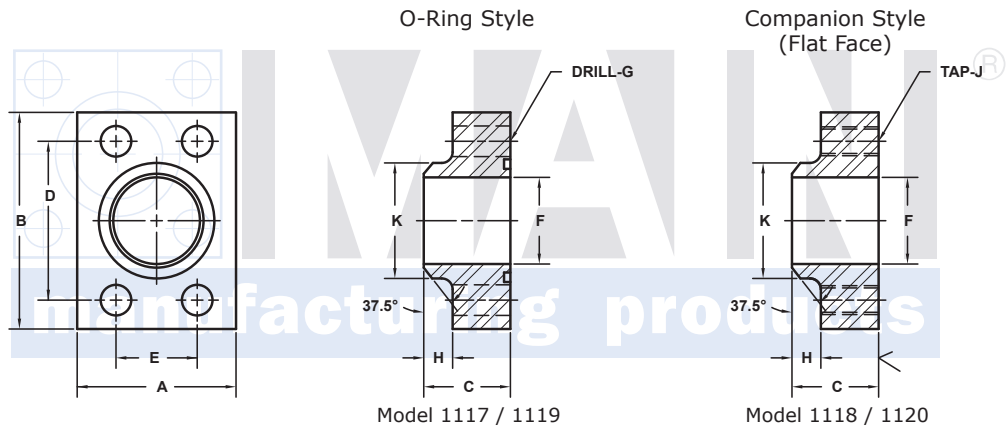
BUTT WELD IN-LINE FLANGES (Pg 1/2)

For Schedule 160 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1117-08-08	1.50	2.12	1.25	1.500	.688	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		1118-08-08							5/16-18			-----	-----	---	
3/4	1/2	1117-12-08	1.75	2.62	1.25	1.875	.875	.47	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.1
		1118-12-08							3/8-16			-----	-----	---	
3/4	3/4	1117-12-12	1.75	2.62	1.25	1.875	.875	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		1118-12-12							3/8-16			-----	-----	---	
1	3/4	1117-16-12	2.00	2.82	1.25	2.062	1.031	.61	.41	.38	1.12	MK 1542	3/8-16 x 1 1/2	219	1.3
		1118-16-12							3/8-16			-----	-----	---	
1	1	1117-16-16	2.00	2.82	1.25	2.062	1.031	.81	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		1118-16-16							3/8-16			-----	-----	---	
1 1/4	1	1117-20-16	2.50	3.19	1.25	2.312	1.188	.81	.47	.38	1.38	MK 1527	7/16-14 x 1 1/2	222	1.8
		1118-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1117-20-20	2.50	3.19	1.25	2.312	1.188	1.16	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		1118-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	-----	2.50	3.19	1.50	2.312	1.188	1.25	---	.50	2.00	-----	-----	---	2.1
		1118-20-24							7/16-14			-----	-----	---	
1 1/2	1 1/4	1117-24-20	2.75	3.75	1.50	2.750	1.406	1.16	.53	.50	1.75	MK 1547	1/2-13 x 1 3/4	225	2.6
		1118-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1117-24-24	2.75	3.75	1.50	2.750	1.406	1.34	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		1118-24-24							1/2-13			-----	-----	---	
1 1/2	2	-----	3.50	3.75	2.25	2.750	1.406	1.50	---	.50	2.50	-----	-----	---	5.8
		1118-24-32							1/2-13			-----	-----	---	

MATERIAL:

Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	1119-08-08	1.75	2.22	1.25	1.594	.718	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8	
		1120-08-08							5/16-18			-----	-----	---		
3/4	1/2	1119-12-08	2.00	2.81	1.25	2.000	.937	.47	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.3	
		1120-12-08							3/8-16			-----	-----	---		
3/4	3/4	1119-12-12	2.00	2.81	1.25	2.000	.937	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3	
		1120-12-12							3/8-16			-----	-----	---		
1	3/4	1119-16-12	2.25	3.19	1.25	2.250	1.093	.61	.47	.38	1.12	MK 513	7/16-14 x 1 3/4	219	1.7	
		1120-16-12							7/16-14			-----	-----	---		
1	1	1119-16-16	2.25	3.19	1.25	2.250	1.093	.81	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5	
		1120-16-16							7/16-14			-----	-----	---		
1 1/4	1	1119-20-16	2.75	3.75	1.25	2.625	1.250	.81	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	2.4	
		1120-20-16							1/2-13			-----	-----	---		
1 1/4	1 1/4	1119-20-20	2.75	3.75	1.25	2.625	1.250	1.16	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1	
		1120-20-20							1/2-13			-----	-----	---		
1 1/4	1 1/2	-----	3.00	3.75	1.50	2.625	1.250	1.25	----	.50	2.00	-----	-----	---	3.1	
		1120-20-24							1/2-13			-----	-----	---		

① Order Separately

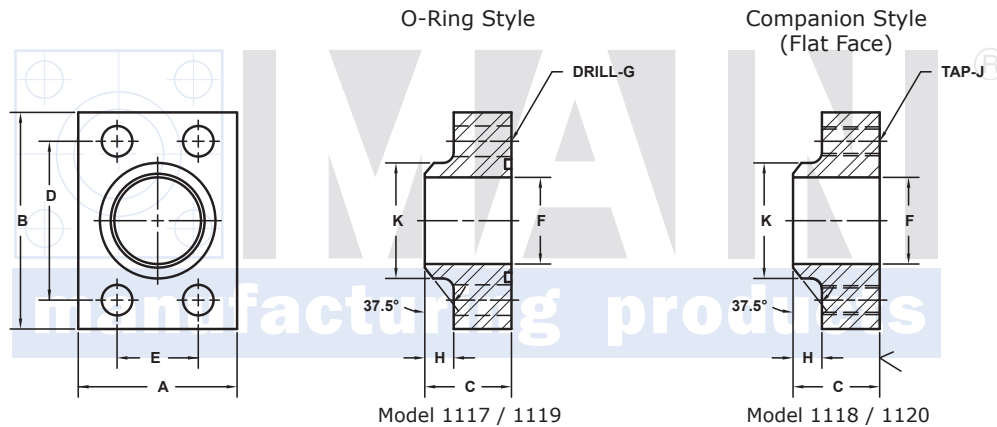
⑥ Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES (Pg 2/2)

For Schedule 160 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
2	1¼	1117-32-20	3.25	4.00	1.50	3.062	1.688	1.16	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.4
		1118-32-20							1/2-13			-----	-----	---	
2	1½	1117-32-24	3.25	4.00	1.50	3.062	1.688	1.34	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.3
		1118-32-24							1/2-13			-----	-----	---	
2	2	1117-32-32	3.25	4.00	1.50	3.062	1.688	1.69	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		1118-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1117-40-32	4.00	4.50	1.75	3.500	2.000	1.69	.53	.50	2.50	MK 561	1/2-13 x 2	232	5.7
		1118-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1117-40-40	4.00	4.50	1.75	3.500	2.000	2.12	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		1118-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1117-48-40	4.50	5.31	2.00	4.188	2.438	2.12	.66	.50	3.00	MK 585	5/8-11 x 2 1/2	237	8.7
		1118-48-40							5/8-11			-----	-----	---	
3 ^③	3	1117-48-48	4.50	5.31	2.00	4.188	2.438	2.62	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		1118-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1117-56-48	5.00	6.00	1.50	4.750	2.750	2.62	.66	.50	3.50	MK 1571	5/8-11 x 2	241	7.2
		1118-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1117-56-56	5.00	6.00	1.50	4.750	2.750	3.00	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		1118-56-56							5/8-11			-----	-----	---	
4 ^④	3	1117-64-48	5.50	6.38	1.50	5.125	3.062	2.62	.66	.50	3.50	MK 1572	5/8-11 x 2	245	8.6
		1118-64-48							5/8-11			-----	-----	---	
4 ^④	4	1117-64-64	5.50	6.38	1.50	5.125	3.062	3.44	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		1118-64-64							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1119-24-20	3.25	4.50	1.50	3.125	1.437	1.16	.66	.50	1.75	MK 562	5/8-11 x 2	225	3.8
		1120-24-20							5/8-11			-----	-----	---	
1½	1½	1119-24-24	3.25	4.50	1.50	3.125	1.437	1.34	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		1120-24-24							5/8-11			-----	-----	---	
1½	2	-----	4.00	4.50	2.00	3.125	1.437	1.50	----	.50	2.50	-----	-----	---	6.9
		1120-24-32							5/8-11			-----	-----	---	
2	1½	1119-32-24	4.00	5.25	1.75	3.812	1.750	1.34	.78	.50	2.00	MK 1548	3/4-10 x 2 1/2	228	6.7
		1120-32-24							3/4-10			-----	-----	---	
2	2	1119-32-32	4.00	5.25	1.75	3.812	1.750	1.69	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		1120-32-32							3/4-10			-----	-----	---	
2½	2	1119-40-32	5.00	6.88	2.00	4.875	2.312	1.69	.94	.50	2.50	MK 1575	7/8-9 x 2 3/4	232	13.2
		1120-40-32							7/8-9			-----	-----	---	
2½	2½	1119-40-40	5.00	6.88	2.00	4.875	2.312	2.12	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		1120-40-40							7/8-9			-----	-----	---	
3	3	1119-48-48	6.00	8.50	2.50	6.000	2.812	2.62	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		1120-48-48							1 1/8-7			-----	-----	---	

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

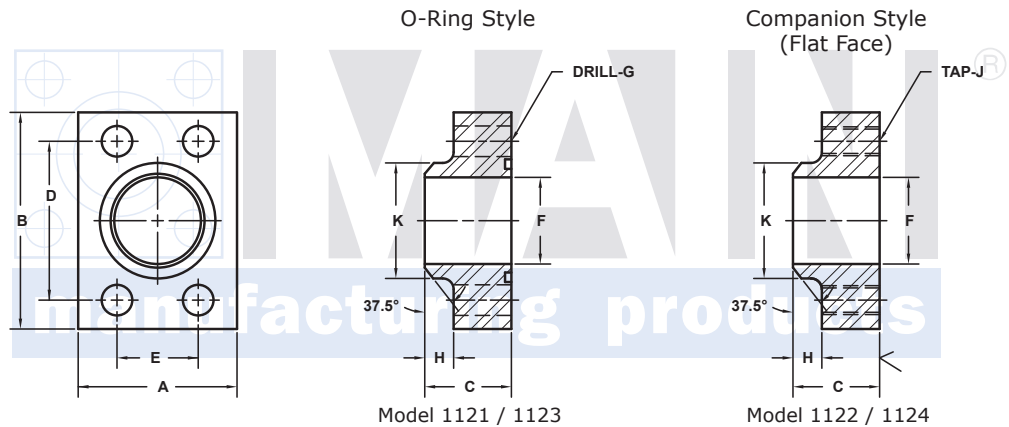
® Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES (Pg 1/2)

For Schedule XXS Pipe ⑥

SAE BOLT PATTERN										61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	1121-08-08	1.50	2.12	1.25	1.500	.688	.25	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8	
		5/16-18							-----			-----	---			
3/4	1/2	1121-12-08	1.75	2.62	1.25	1.875	.875	.25	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.1	
		3/8-16							-----			-----	---			
3/4	3/4	1121-12-12	1.75	2.62	1.25	1.875	.875	.44	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.1	
		3/8-16							-----			-----	---			
1	3/4	1121-16-12	2.00	2.82	1.38	2.062	1.031	.44	.41	.50	1.12	MK 1542	3/8-16 x 1 1/2	219	1.4	
		3/8-16							-----			-----	---			
1	1	1121-16-16	2.00	2.82	1.38	2.062	1.031	.60	.41	.50	1.38	MK 1542	3/8-16 x 1 1/2	219	1.4	
		3/8-16							-----			-----	---			
1 1/4	1	1121-20-16	2.50	3.19	1.38	2.312	1.188	.60	.47	.50	1.38	MK 1527	7/16-14 x 1 1/2	222	2.0	
		7/16-14							-----			-----	---			
1 1/4	1 1/4	1121-20-20	2.50	3.19	1.38	2.312	1.188	.89	.47	.50	1.75	MK 1527	7/16-14 x 1 1/2	222	1.9	
		7/16-14							-----			-----	---			
1 1/4	1 1/2	-----	2.50	3.19	1.50	2.312	1.188	1.10	----	.50	2.00	-----	-----	---	2.1	
		1122-20-24							7/16-14			-----	-----	---		
1 1/2	1 1/4	1121-24-20	2.75	3.75	1.50	2.750	1.406	.89	.53	.50	1.75	MK 1547	1/2-13 x 1 3/4	225	2.8	
		1/2-13							-----			-----	---			
1 1/2	1 1/2	1121-24-24	2.75	3.75	1.50	2.750	1.406	1.10	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.7	
		1/2-13							-----			-----	---			
1 1/2	2	-----	3.50	3.75	2.50	2.750	1.406	1.50	----	.75	2.50	-----	-----	---	5.9	
		1122-24-32							1/2-13			-----	-----	---		

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1123-08-08	1.75	2.22	1.25	1.594	.718	.25	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.9
		1124-08-08							5/16-18			-----	-----	---	
3/4	1/2	1123-12-08	2.00	2.81	1.25	2.000	.937	.25	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.3
		1124-12-08							3/8-16			-----	-----	---	
3/4	3/4	1123-12-12	2.00	2.81	1.25	2.000	.937	.44	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		1124-12-12							3/8-16			-----	-----	---	
1	3/4	1123-16-12	2.25	3.19	1.50	2.250	1.093	.44	.47	.50	1.12	MK 1504	7/16-14 x 2	219	2.0
		1124-16-12							7/16-14			-----	-----	---	
1	1	1123-16-16	2.25	3.19	1.50	2.250	1.093	.60	.47	.50	1.38	MK 1504	7/16-14 x 2	219	2.0
		1124-16-16							7/16-14			-----	-----	---	
1 1/4	1	1123-20-16	2.75	3.75	1.50	2.625	1.250	.60	.53	.50	1.38	MK 2540	1/2-13 x 1 3/4	222	2.8
		1124-20-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1123-20-20	2.75	3.75	1.50	2.625	1.250	.89	.53	.50	1.75	MK 2540	1/2-13 x 1 3/4	222	2.8
		1124-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	-----	3.00	3.75	1.75	2.625	1.250	1.10	----	.75	2.00	-----	-----	---	3.1
		1124-20-24							1/2-13			-----	-----	---	

① Order Separately

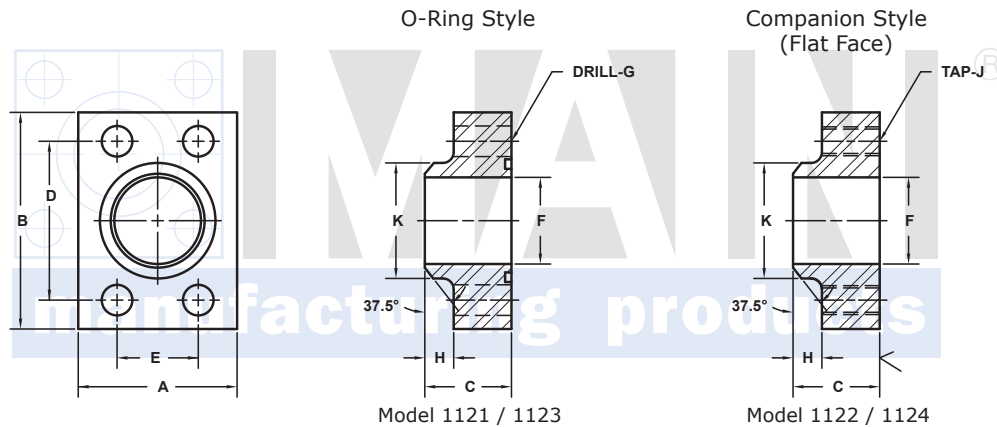
⑥ Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES (Pg 2/2)

For Schedule XXS Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
2	1¼	1121-32-20	3.25	4.00	1.50	3.062	1.688	.89	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.5
		1122-32-20							1/2-13			-----	-----	---	
2	1½	1121-32-24	3.25	4.00	1.50	3.062	1.688	1.10	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.5
		1122-32-24							1/2-13			-----	-----	---	
2	2	1121-32-32	3.25	4.00	1.75	3.062	1.688	1.50	.53	.75	2.50	MK 582	1/2-13 x 1 3/4	228	3.6
		1122-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1121-40-32	4.00	4.50	2.00	3.500	2.000	1.50	.53	.75	2.50	MK 561	1/2-13 x 2	232	6.1
		1122-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1121-40-40	4.00	4.50	2.00	3.500	2.000	1.77	.53	.75	3.00	MK 561	1/2-13 x 2	232	6.0
		1122-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1121-48-40	4.50	5.31	2.25	4.188	2.438	1.77	.66	.75	3.00	MK 585	5/8-11 x 2 1/2	237	9.5
		1122-48-40							5/8-11			-----	-----	---	
3 ^③	3	1121-48-48	4.50	5.31	2.25	4.188	2.438	2.30	.66	.75	3.50	MK 585	5/8-11 x 2 1/2	237	8.8
		1122-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1121-56-48	5.00	6.00	1.75	4.750	2.750	2.30	.66	.75	3.50	MK 1571	5/8-11 x 2	241	7.9
		1122-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1121-56-56	5.00	6.00	1.75	4.750	2.750	2.73	.66	.75	4.00	MK 1571	5/8-11 x 2	241	7.6
		1122-56-56							5/8-11			-----	-----	---	
4 ^④	3	1121-64-48	5.50	6.38	1.75	5.125	3.062	2.30	.66	.75	3.50	MK 1572	5/8-11 x 2	245	9.3
		1122-64-48							5/8-11			-----	-----	---	
4 ^④	4	1121-64-64	5.50	6.38	1.75	5.125	3.062	3.15	.66	.75	4.50	MK 1572	5/8-11 x 2	245	8.7
		1122-64-64							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1½	1¼	1123-24-20	3.25	4.50	1.50	3.125	1.437	.89	.66	.50	1.75	MK 562	5/8-11 x 2	225	3.9
		1124-24-20							5/8-11			-----	-----	---	
1½	1½	1123-24-24	3.25	4.50	1.50	3.125	1.437	1.10	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.9
		1124-24-24							5/8-11			-----	-----	---	
1½	2	-----	4.00	4.50	2.00	3.125	1.437	1.50	----	.75	2.50	-----	-----	---	6.0
		1124-24-32							5/8-11			-----	-----	---	
2	1½	1123-32-24	4.00	5.25	1.75	3.812	1.750	1.10	.78	.50	2.00	MK 1548	3/4-10 x 2 1/2	228	6.9
		1124-32-24							3/4-10			-----	-----	---	
2	2	1123-32-32	4.00	5.25	2.00	3.812	1.750	1.50	.78	.75	2.50	MK 1548	3/4-10 x 2 1/2	228	6.9
		1124-32-32							3/4-10			-----	-----	---	
2½	2	1123-40-32	5.00	6.88	2.50	4.875	2.312	1.50	.94	.75	2.50	MK 5535	7/8-9 x 3	232	15.8
		1124-40-32							7/8-9			-----	-----	---	
2½	2½	1123-40-40	5.00	6.88	2.50	4.875	2.312	1.77	.94	.75	3.00	MK 5535	7/8-9 x 3	232	15.7
		1124-40-40							7/8-9			-----	-----	---	
3	3	1123-48-48	6.00	8.50	3.00	6.000	2.812	2.30	1.19	.88	3.50	MK 1776	1 1/8-7 x 4	237	27.4
		1124-48-48							1 1/8-7			-----	-----	---	

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

⑥ Other Pipe and Tube Sizes are Available

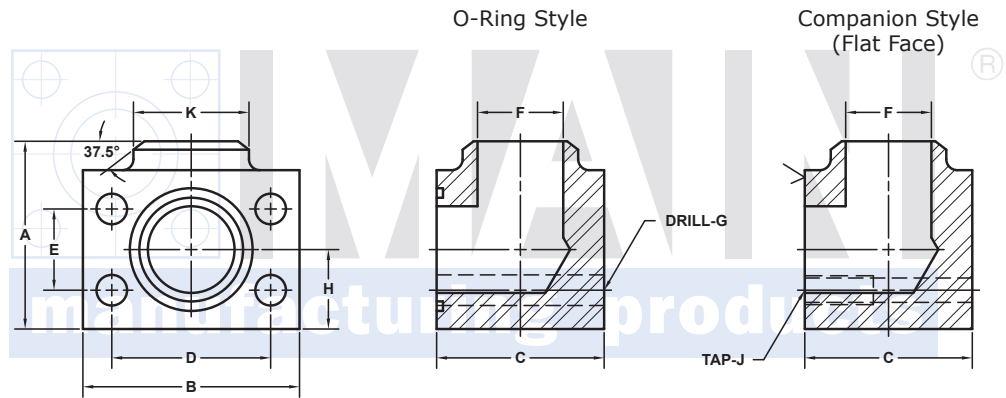
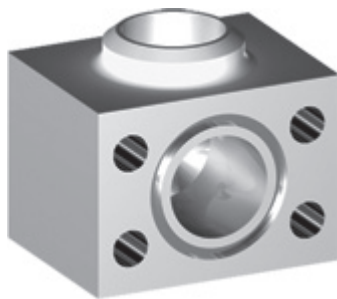
BUTT WELD ELBOW FLANGES (Pg 1/2)

For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1137-08-08	2.00	2.12	1.44	1.500	.688	.53	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		5/16-18							-----			-----	---		
3/4	1/2	1137-12-08	2.25	2.62	1.70	1.875	.875	.53	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1
		3/8-16							-----			-----	---		
3/4	3/4	1137-12-12	2.25	2.62	1.70	1.875	.875	.73	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.0
		3/8-16							-----			-----	---		
1	3/4	1137-16-12	2.50	2.82	1.94	2.062	1.031	.73	.41	1.00	1.12	MK 543	3/8-16 x 2 3/4	219	2.8
		3/8-16							-----			-----	---		
1	1	1137-16-16	2.50	2.82	1.94	2.062	1.031	.94	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		3/8-16							-----			-----	---		
1 1/4	1	1137-20-16	3.00	3.19	2.40	2.312	1.188	.94	.47	1.25	1.38	MK 578	7/16-14 x 3 1/4	222	4.8
		7/16-14							-----			-----	---		
1 1/4	1 1/4	1137-20-20	3.00	3.19	2.40	2.312	1.188	1.23	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.6
		7/16-14							-----			-----	---		
1 1/4	1 1/2	1137-20-24	3.00	3.19	3.00	2.312	1.188	1.48	.47	1.25	2.00	MK 591	7/16-14 x 4	222	5.5
		7/16-14							-----			-----	---		
1 1/2	1 1/4	1137-24-20	3.25	3.75	2.90	2.750	1.406	1.23	.53	1.38	1.75	MK 545	1/2-13 x 4	225	7.0
		1/2-13							-----			-----	---		
1 1/2	1 1/2	1137-24-24	3.25	3.75	2.90	2.750	1.406	1.48	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.8
		1/2-13							-----			-----	---		
1 1/2	2	1137-24-32	3.50	3.75	3.50	2.750	1.406	1.94	.53	1.38	2.50	MK 579	1/2-13 x 4 1/2	225	9.1
		1/2-13							-----			-----	---		

MATERIAL:

Low Carbon Steel



Model 1137 / 1139

Model 1138 / 1140

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1½	1139-08-08	2.25	2.22	1.46	1.594	.718	.53	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
¾	1½	1139-12-08	2.50	2.81	1.70	2.000	.937	.53	.41	1.00	.88	MK 542	3/8-16 x 2 1/2	214	2.6
		3/8-16							-----			-----	---		
¾	¾	1139-12-12	2.50	2.81	1.70	2.000	.937	.73	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		3/8-16							-----			-----	---		
1	¾	1139-16-12	2.75	3.19	2.21	2.250	1.093	.73	.47	1.12	1.12	MK 2533	7/16-14 x 3	219	4.1
		7/16-14							-----			-----	---		
1	1	1139-16-16	2.75	3.19	2.21	2.250	1.093	.94	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		7/16-14							-----			-----	---		
1¼	1	1139-20-16	3.25	3.75	2.44	2.625	1.250	.94	.53	1.38	1.38	MK 552	1/2-13 x 3 1/4	222	6.4
		1/2-13							-----			-----	---		
1¼	1¼	1139-20-20	3.25	3.75	2.44	2.625	1.250	1.23	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.2
		1/2-13							-----			-----	---		

① Order Separately

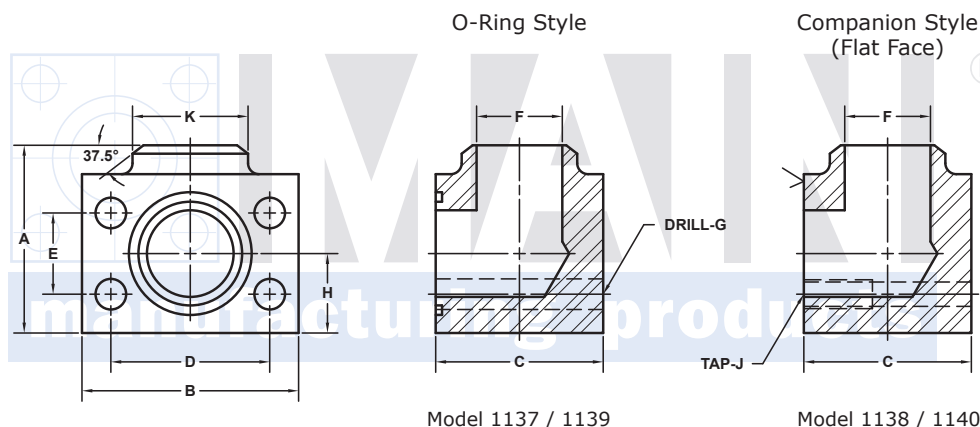
⑥ Schedules 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1137-32-20	3.75	4.00	3.40	3.062	1.688	1.23	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	10.1
		1138-32-20							1/2-13			-----	-----	---	
2	1½	1137-32-24	3.75	4.00	3.40	3.062	1.688	1.48	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	9.9
		1138-32-24							1/2-13			-----	-----	---	
2	2	1137-32-32	3.75	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.4
		1138-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1137-40-32	4.50	4.50	3.96	3.500	2.000	1.94	.53	2.00	2.50	MK 547	1/2-13 x 5	232	15.4
		1138-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1137-40-40	4.50	4.50	3.96	3.500	2.000	2.32	.53	2.00	3.00	MK 547	1/2-13 x 5	232	14.8
		1138-40-40							1/2-13			-----	-----	---	
3 ^③	2½	1137-48-40	5.00	5.31	4.96	4.188	2.438	2.32	.66	2.25	3.00	MK 548	5/8-11 x 6	237	24.9
		1138-48-40							5/8-11			-----	-----	---	
3 ^③	3	1137-48-48	5.00	5.31	4.96	4.188	2.438	2.90	.66	2.25	3.50	MK 548	5/8-11 x 6	237	23.6
		1138-48-48							5/8-11			-----	-----	---	
3½ ^④	3	1137-56-48	5.50	6.00	5.40	4.750	2.750	2.90	.66	2.50	3.50	MK 549	5/8-11 x 6 1/2	241	32.8
		1138-56-48							5/8-11			-----	-----	---	
3½ ^④	3½	1137-56-56	5.50	6.00	5.40	4.750	2.750	3.36	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	31.5
		1138-56-56							5/8-11			-----	-----	---	
4 ^④	3	1137-64-48	6.00	6.38	5.96	5.125	3.062	2.90	.66	2.75	3.50	MK 550	5/8-11 x 7	245	42.0
		1138-64-48							5/8-11			-----	-----	---	
4 ^④	4	1137-64-64	6.00	6.38	5.96	5.125	3.062	3.83	.66	2.75	4.50	MK 550	5/8-11 x 7	245	38.8
		1138-64-64							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1139-24-20	3.75	4.50	2.96	3.125	1.437	1.23	.66	1.62	1.75	MK 553	5/8-11 x 4	225	10.4
		5/8-11							-----			---			
1½	1½	1139-24-24	3.75	4.50	2.96	3.125	1.437	1.48	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.2
		5/8-11							-----			---			
2	1½	1139-32-24	4.50	5.25	3.46	3.812	1.750	1.48	.78	2.00	2.00	MK 554	3/4-10 x 4 1/2	228	17.0
		3/4-10							-----			---			
2	2	1139-32-32	4.50	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	16.4
		3/4-10							-----			---			
2½	2	1139-40-32	5.50	6.88	4.50	4.875	2.312	1.94	.94	2.50	2.50	MK 2557	7/8-9 x 6	232	36.6
		7/8-9							-----			---			
2½	2½	1139-40-40	5.50	6.88	4.50	4.875	2.312	2.32	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	35.8
		7/8-9							-----			---			
3	3	1139-48-48	6.50	8.50	5.00	6.000	2.812	2.90	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	58.0
		1 1/8-7							-----			---			

① Order Separately

② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

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

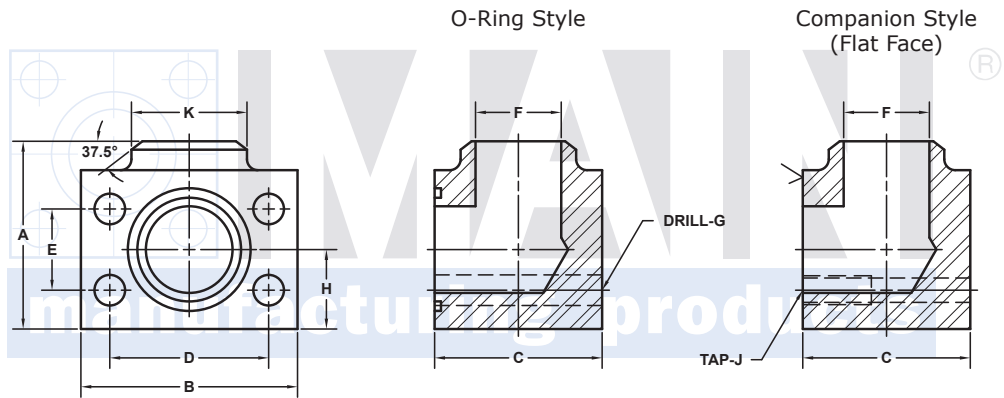
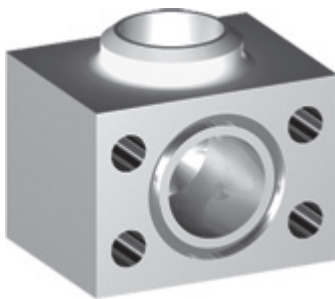
BUTT WELD ELBOW FLANGES (Pg 1/2)

For Schedule 160 Pipe ⑥

SAE BOLT PATTERN										61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	1141-08-08	2.00	2.12	1.44	1.500	.688	.47	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3	
		5/16-18							-----			-----	---			
3/4	1/2	1141-12-08	2.25	2.62	1.70	1.875	.875	.47	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1	
		3/8-16							-----			-----	---			
3/4	3/4	1141-12-12	2.25	2.62	1.70	1.875	.875	.61	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.1	
		3/8-16							-----			-----	---			
1	3/4	1141-16-12	2.50	2.82	1.94	2.062	1.031	.61	.41	1.00	1.12	MK 543	3/8-16 x 2 3/4	219	2.9	
		3/8-16							-----			-----	---			
1	1	1141-16-16	2.50	2.82	1.94	2.062	1.031	.81	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8	
		3/8-16							-----			-----	---			
1 1/4	1	1141-20-16	3.00	3.19	2.40	2.312	1.188	.81	.47	1.25	1.38	MK 578	7/16-14 x 3 1/4	222	4.8	
		7/16-14							-----			-----	---			
1 1/4	1 1/4	1141-20-20	3.00	3.19	2.40	2.312	1.188	1.16	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.7	
		7/16-14							-----			-----	---			
1 1/4	1 1/2	1141-20-24	3.00	3.19	3.00	2.312	1.188	1.34	.47	1.25	2.00	MK 591	7/16-14 x 4	222	5.6	
		7/16-14							-----			-----	---			
1 1/2	1 1/4	1141-24-20	3.25	3.75	2.90	2.750	1.406	1.16	.53	1.38	1.75	MK 545	1/2-13 x 4	225	7.1	
		1/2-13							-----			-----	---			
1 1/2	1 1/2	1141-24-24	3.25	3.75	2.90	2.750	1.406	1.34	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.9	
		1/2-13							-----			-----	---			
1 1/2	2	1141-24-32	3.50	3.75	3.50	2.750	1.406	1.69	.53	1.38	2.50	MK 579	1/2-13 x 4 1/2	225	9.2	
		1/2-13							-----			-----	---			

MATERIAL:

Low Carbon Steel



Model 1141 / 1143

Model 1142 / 1144

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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1143-08-08	2.25	2.22	1.46	1.594	.718	.47	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
3/4	1/2	1143-12-08	2.50	2.81	1.70	2.000	.937	.47	.41	1.00	.88	MK 542	3/8-16 x 2 1/2	214	2.6
		3/8-16							-----			-----	---		
3/4	3/4	1143-12-12	2.50	2.81	1.70	2.000	.937	.61	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.6
		3/8-16							-----			-----	---		
1	3/4	1143-16-12	2.75	3.19	2.21	2.250	1.093	.61	.47	1.12	1.12	MK 2533	7/16-14 x 3	219	4.2
		7/16-14							-----			-----	---		
1	1	1143-16-16	2.75	3.19	2.21	2.250	1.093	.81	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		7/16-14							-----			-----	---		
1 1/4	1	1143-20-16	3.25	3.75	2.44	2.625	1.250	.81	.53	1.38	1.38	MK 552	1/2-13 x 3 1/4	222	6.5
		1/2-13							-----			-----	---		
1 1/4	1 1/4	1143-20-20	3.25	3.75	2.44	2.625	1.250	1.16	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.3
		1/2-13							-----			-----	---		

① Order Separately

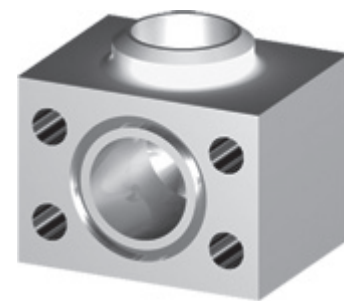
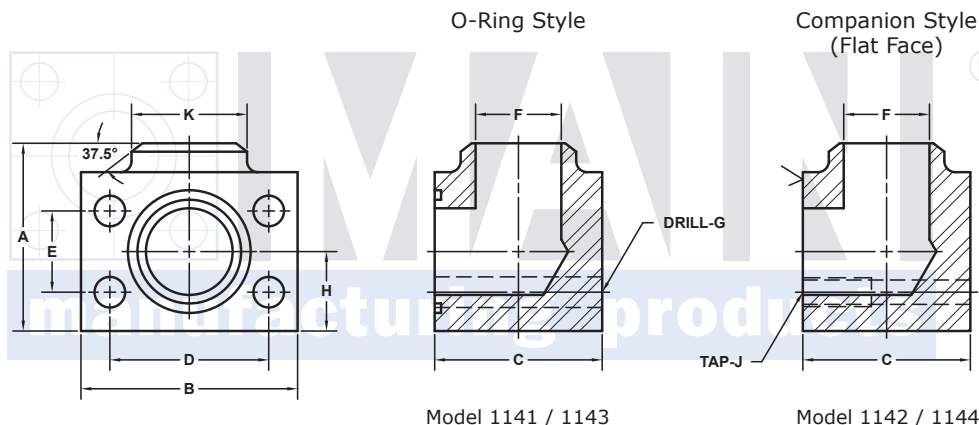
⑥ Schedules 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 160 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1141-32-20	3.75	4.00	3.40	3.062	1.688	1.16	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	10.1
		1/2-13							-----			-----	---		
2	1½	1141-32-24	3.75	4.00	3.40	3.062	1.688	1.34	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	10.0
		1/2-13							-----			-----	---		
2	2	1141-32-32	3.75	4.00	3.40	3.062	1.688	1.69	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.8
		1/2-13							-----			-----	---		
2½ ^②	2	1141-40-32	4.50	4.50	3.96	3.500	2.000	1.69	.53	2.00	2.50	MK 547	1/2-13 x 5	232	15.8
		1/2-13							-----			-----	---		
2½ ^②	2½	1141-40-40	4.50	4.50	3.96	3.500	2.000	2.12	.53	2.00	3.00	MK 547	1/2-13 x 5	232	15.2
		1/2-13							-----			-----	---		
3 ^③	2½	1141-48-40	5.00	5.31	4.96	4.188	2.438	2.12	.66	2.25	3.00	MK 548	5/8-11 x 6	237	25.4
		5/8-11							-----			-----	---		
3 ^③	3	1141-48-48	5.00	5.31	4.96	4.188	2.438	2.62	.66	2.25	3.50	MK 548	5/8-11 x 6	237	24.4
		5/8-11							-----			-----	---		
3½ ^④	3	1141-56-48	5.50	6.00	5.40	4.750	2.750	2.62	.66	2.50	3.50	MK 549	5/8-11 x 6 1/2	241	33.6
		5/8-11							-----			-----	---		
3½ ^④	3½	1141-56-56	5.50	6.00	5.40	4.750	2.750	3.00	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	32.7
		5/8-11							-----			-----	---		
4 ^④	3	1141-64-48	6.00	6.38	5.96	5.125	3.062	2.62	.66	2.75	3.50	MK 550	5/8-11 x 7	245	42.9
		5/8-11							-----			-----	---		
4 ^④	4	1141-64-64	6.00	6.38	5.96	5.125	3.062	3.44	.66	2.75	4.50	MK 550	5/8-11 x 7	245	40.4
		5/8-11							-----			-----	---		

MATERIAL:
Low Carbon Steel



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1143-24-20	3.75	4.50	2.96	3.125	1.437	1.16	.66	1.62	1.75	MK 553	5/8-11 x 4	225	10.4
		5/8-11							-----			-----	---		
1½	1½	1143-24-24	3.75	4.50	2.96	3.125	1.437	1.34	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.8
		5/8-11							-----			-----	---		
2	1½	1143-32-24	4.50	5.25	3.46	3.812	1.750	1.34	.78	2.00	2.00	MK 554	3/4-10 x 4 1/2	228	17.8
		3/4-10							-----			-----	---		
2	2	1143-32-32	4.50	5.25	3.46	3.812	1.750	1.69	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	16.8
		3/4-10							-----			-----	---		
2½	2	1143-40-32	5.50	6.88	4.50	4.875	2.312	1.69	.94	2.50	2.50	MK 2557	7/8-9 x 6	232	36.6
		7/8-9							-----			-----	---		
2½	2½	1143-40-40	5.50	6.88	4.50	4.875	2.312	2.12	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	36.3
		7/8-9							-----			-----	---		
3	3	1143-48-48	6.50	8.50	5.00	6.000	2.812	2.62	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	59.0
		1 1/8-7							-----			-----	---		

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

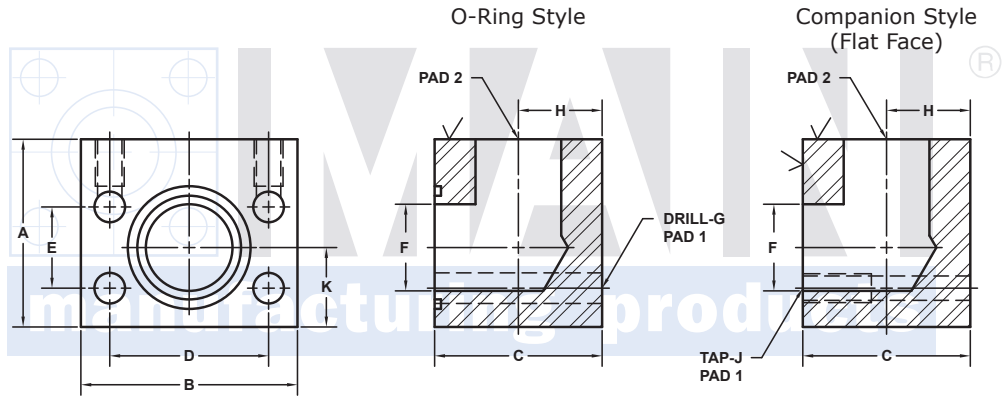
④ 500 PSI Max

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

FLANGED ELBOW FLANGES (Pg 1/2)

SAE BOLT PATTERN										61 SERIES					
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1571-08-08	2.25	2.12	2.25	1.500	.688	.50	.34	.78	.78	MK 3509	5/16-18 x 2 3/4	210	2.8
		1572-08-08							5/16-18			-----	-----	---	
3/4	3/4	1181-12-12	2.50	2.62	2.25	1.875	.875	.75	.41	1.03	1.03	MK 576	3/8-16 x 3	214	3.5
		1182-12-12							3/8-16			-----	-----	---	
3/4	1	1181-12-16	2.50	2.82	2.50	1.875	.875	.75	.41	1.25	1.03	MK 595	3/8-16 x 3 1/4	214	4.3
		-----							USE PART # 1182-16-12			-----	-----	---	
1	1	1181-16-16	2.50	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.09	MK 577	3/8-16 x 3 1/4	219	4.0
		1182-16-16							3/8-16			-----	-----	---	
1	1 1/4	1181-16-20	3.00	3.25	3.00	2.062	1.031	1.00	.41	1.44	1.09	MK 2588	3/8-16 x 3 3/4	219	7.0
		-----							USE PART # 1182-20-16			-----	-----	---	
1 1/4	1	1181-20-16	3.25	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.38	MK 591	7/16-14 x 4	222	8.2
		1182-20-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1181-20-20	3.25	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.38	MK 591	7/16-14 x 4	222	7.9
		1182-20-20							7/16-14			-----	-----	---	
1 1/4	1 1/2	1181-20-24	3.50	3.75	3.50	2.312	1.188	1.25	.47	1.62	1.38	MK 2560	7/16-14 x 4 1/2	222	11.0
		-----							USE PART # 1182-24-20			-----	-----	---	
1 1/2	1 1/4	1181-24-20	4.00	3.75	3.00	2.750	1.406	1.50	.53	1.50	1.38	MK 545	1/2-13 x 4	225	10.7
		1182-24-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1181-24-24	3.50	3.75	3.50	2.750	1.406	1.50	.53	1.62	1.62	MK 579	1/2-13 x 4 1/2	225	10.7
		1182-24-24							1/2-13			-----	-----	---	
1 1/2	2	1181-24-32	4.00	4.00	4.00	2.750	1.406	1.50	.53	1.91	1.62	MK 1508	1/2-13 x 5	225	14.6
		-----							USE PART # 1182-32-24			-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1181 / 1183

Model 1182 / 1184

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

SAE BOLT PATTERN										62 SERIES					
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1183-08-08	2.00	2.22	2.00	1.594	.718	.50	.34	.94	.81	MK 575	5/16-18 x 2 1/2	210	2.3
		1184-08-08							5/16-18			-----	-----	---	
3/4	1/2	1183-12-08	2.50	2.81	2.50	2.000	.937	.75	.41	1.19	1.06	MK 595	3/8-16 x 3 1/4	214	4.5
		1184-12-08							3/8-16			-----	-----	---	
3/4	3/4	1183-12-12	2.50	2.81	2.50	2.000	.937	.75	.41	1.19	1.06	MK 595	3/8-16 x 3 1/4	214	4.4
		1184-12-12							3/8-16			-----	-----	---	
1	3/4	1183-16-12	3.00	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.38	MK 596	7/16-14 x 4	219	7.3
		1184-16-12							7/16-14			-----	-----	---	
1	1	1183-16-16	3.00	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.38	MK 596	7/16-14 x 4	219	7.2
		1184-16-16							7/16-14			-----	-----	---	
1 1/4	1	1183-20-16	3.50	3.75	3.00	2.625	1.250	1.25	.53	1.41	1.50	MK 587	1/2-13 x 4	222	9.3
		1184-20-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1183-20-20	3.50	3.75	3.50	2.625	1.250	1.25	.53	1.62	1.41	MK 4565	1/2-13 x 4 1/2	222	10.8
		1184-20-20							1/2-13			-----	-----	---	
1 1/4	1 1/2	1183-20-24	4.00	4.50	4.00	2.625	1.250	1.25	.53	1.90	1.75	MK 2564	1/2-13 x 5	222	17.5
		-----							USE PART # 1184-24-20					-----	

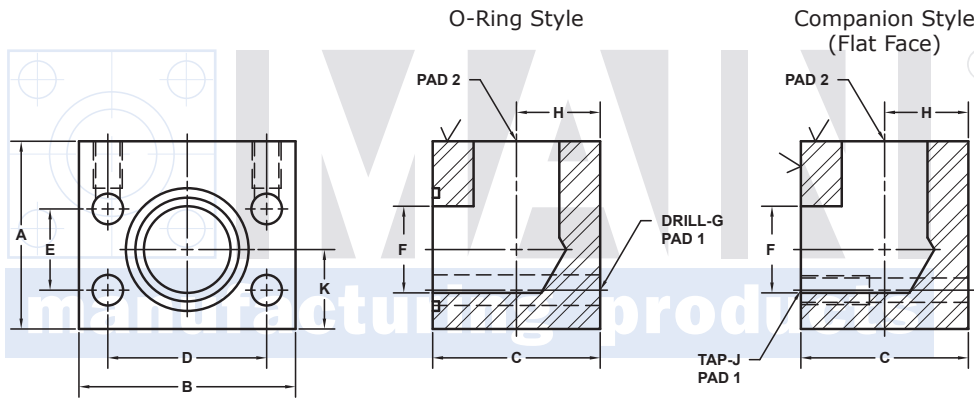
① Order Separately

⑤ May Contain Lead

FLANGED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN										61 SERIES					
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
2	1¼	1181-32-20	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.44	1.62	MK 558	1/2-13 x 4	228	12.3
		1182-32-20							1/2-13			-----	-----	---	
2	1½	1181-32-24	4.00	4.00	4.00	3.062	1.688	1.94	.53	1.91	1.91	MK 592	1/2-13 x 5	228	14.5
		1182-32-24							1/2-13			-----	-----	---	
2	2	1181-32-32	4.00	4.00	4.00	3.062	1.688	1.94	.53	1.91	1.91	MK 592	1/2-13 x 5	228	13.9
		1182-32-32							1/2-13			-----	-----	---	
2½ ^②	2	1181-40-32	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	19.8
		1182-40-32							1/2-13			-----	-----	---	
2½ ^②	2½	1181-40-40	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	18.8
		1182-40-40							1/2-13			-----	-----	---	
3 ^③	2	1181-48-32	5.00	5.31	4.00	4.188	2.438	2.94	.66	1.91	2.25	MK 1583	5/8-11 x 5	237	22.1
		1182-48-32							5/8-11			-----	-----	---	
3 ^③	2½	1181-48-40	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	34.3
		1182-48-40							5/8-11			-----	-----	---	
3 ^③	3	1181-48-48	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	32.7
		1182-48-48							5/8-11			-----	-----	---	
3½ ^④	3½	1181-56-56	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	45.0
		1182-56-56							5/8-11			-----	-----	---	
4 ^④	4	1181-64-64	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	43.0
		1182-64-64							5/8-11			-----	-----	---	
5 ^④	5	1181-80-80				6.000	3.625		.66					253	
		1182-80-80							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1181 / 1183

Model 1182 / 1184



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

SAE BOLT PATTERN										62 SERIES					
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1¼	1183-24-20	4.00	4.50	4.00	3.125	1.437	1.50	.66	1.88	1.75	MK 597	5/8-11 x 5	225	17.4
		1184-24-20							5/8-11			-----	-----	---	
1½	1½	1183-24-24	4.00	4.50	4.00	3.125	1.437	1.50	.66	1.88	1.75	MK 597	5/8-11 x 5	225	16.9
		1184-24-24							5/8-11			-----	-----	---	
1½	2	1183-24-32	4.50	5.25	5.00	3.125	1.437	1.50	.66	2.50	1.75	MK 3503	5/8-11 x 6	225	29.0
		-----							USE PART # 1184-32-24						
2	1½	1183-32-24	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	31.8
		1184-32-24							3/4-10			-----	-----	---	
2	2	1183-32-32	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	31.5
		1184-32-32							3/4-10			-----	-----	---	
2½	2	1183-40-32	6.00	7.00	5.00	4.875	2.312	2.44	.94	2.50	2.50	MK 1596	7/8-9 x 6 1/2	232	49.7
		1184-40-32							7/8-9			-----	-----	---	
2½	2½	1183-40-40	6.00	7.00	6.00	4.875	2.312	2.44	.94	2.50	2.50	MK	7/8-9 x 7 1/2	232	56.6
		1184-40-40							7/8-9			-----	-----	---	
3	3	1183-48-48	7.00	8.50	7.00	6.000	2.812	2.94	1.19	3.00	3.00	MK	1 1/8-7 x 9	237	92.4
		1184-48-48							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

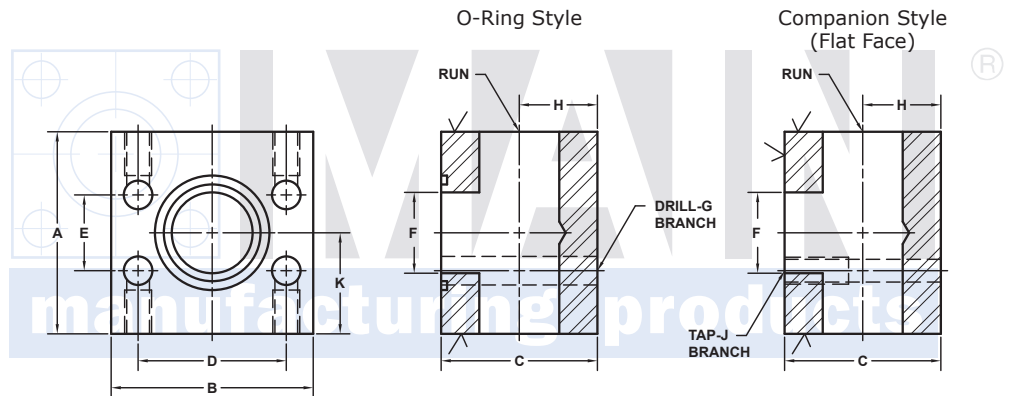
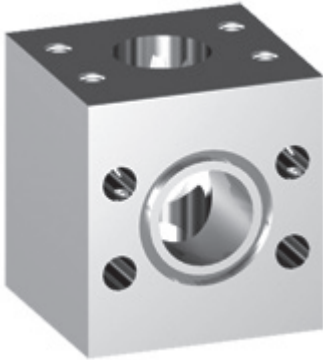
④ 500 PSI Max

⑤ May Contain Lead

FLANGED BRANCH TEE FLANGES

SAE BOLT PATTERN										61 SERIES					
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1575-08-08	3.00	2.12	2.25	1.500	.688	.50	.34	.78	1.50	MK 3509	5/16-18 x 2 3/4	210	3.6
		5/16-18							-----			-----	---		
3/4	3/4	1185-12-12	2.75	2.62	2.25	1.875	.875	.75	.41	1.03	1.38	MK 576	3/8-16 x 3	214	3.6
		1186-12-12							3/8-16			-----	-----	---	
1	1	1185-16-16	3.00	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.50	MK 577	3/8-16 x 3 1/4	219	4.6
		1186-16-16							3/8-16			-----	-----	---	
1 1/4	1 1/4	1185-20-20	3.75	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.88	MK 591	7/16-14 x 4	222	9.0
		1186-20-20							7/16-14			-----	-----	---	
1 1/2	1 1/2	1185-24-24	4.00	3.75	3.50	2.750	1.406	1.50	.53	1.62	2.00	MK 579	1/2-13 x 4 1/2	225	11.2
		1186-24-24							1/2-13			-----	-----	---	
2	2	1185-32-32	4.25	4.00	4.00	3.062	1.688	1.94	.53	1.91	2.12	MK 592	1/2-13 x 5	228	13.8
		1186-32-32							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	1185-40-40	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	17.0
		1186-40-40							1/2-13			-----	-----	---	
3 ^③	3	1185-48-48	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	29.9
		1186-48-48							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	1185-56-56	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	38.0
		1186-56-56							5/8-11			-----	-----	---	
4 ^④	4	1185-64-64	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	35.8
		1186-64-64							5/8-11			-----	-----	---	
5 ^④	5	1185-80-80				6.000	3.625		.66					253	
		1186-80-80							5/8-11			-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤



Model 1185 / 1187

Model 1186 / 1188

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

SAE BOLT PATTERN										62 SERIES					
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1187-08-08	2.50	2.22	2.00	1.594	.718	.50	.34	.94	1.25	MK 575	5/16-18 x 2 1/2	210	2.7
		1188-08-08							5/16-18			-----	-----	---	
3/4	3/4	1187-12-12	3.00	2.81	2.50	2.000	.937	.75	.41	1.19	1.50	MK 595	3/8-16 x 3 1/4	214	5.1
		1188-12-12							3/8-16			-----	-----	---	
1	1	1187-16-16	3.50	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.75	MK 596	7/16-14 x 4	219	7.7
		1188-16-16							7/16-14			-----	-----	---	
1 1/4	1 1/4	1187-20-20	4.00	3.75	3.50	2.625	1.250	1.25	.53	1.62	2.00	MK 4565	1/2-13 x 4 1/2	222	11.9
		1188-20-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1187-24-24	4.50	4.50	4.00	3.125	1.437	1.50	.66	1.88	2.25	MK 597	5/8-11 x 5	225	17.8
		1188-24-24							5/8-11			-----	-----	---	
2	2	1187-32-32	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	27.8
		1188-32-32							3/4-10			-----	-----	---	
2 1/2	2 1/2	1187-40-40	7.00	7.00	6.00	4.875	2.312	2.44	.94	2.50	3.50	MK	7/8-9 x 7 1/2	232	64.3
		1188-40-40							7/8-9			-----	-----	---	
3	3	1187-48-48	9.00	8.50	7.00	6.000	2.812	2.94	1.19	3.00	4.50	MK	1 1/8-7 x 9	237	116
		1188-48-48							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

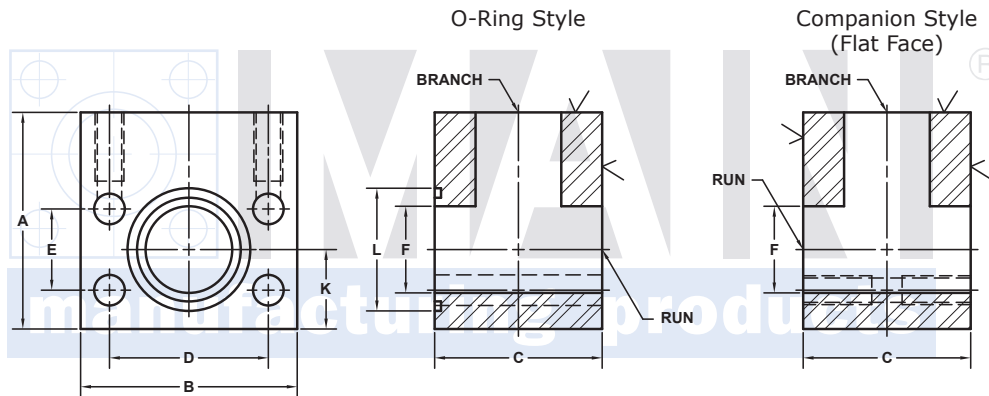
④ 500 PSI Max

⑤ May Contain Lead

FLANGED RUN TEE FLANGES

SAE BOLT PATTERN				61 SERIES								
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	1579-08-08	2.25	2.12	2.25	1.500	.688	.50	.78	1.000	210	2.6
		1580-08-08	USE PART # 1576-08-08								---	
3/4	3/4	1205-12-12	2.50	2.62	2.25	1.875	.875	.75	1.03	1.250	214	3.5
		1206-12-12	USE PART # 1186-12-12								---	
1	1	1205-16-16	2.50	2.82	2.50	2.062	1.031	1.00	1.09	1.562	219	4.0
		1206-16-16	USE PART # 1186-16-16								---	
1 1/4	1 1/4	1205-20-20	3.25	3.19	3.25	2.312	1.188	1.25	1.38	1.750	222	7.2
		1206-20-20	USE PART # 1186-20-20								---	
1 1/2	1 1/2	1205-24-24	3.50	3.75	3.50	2.750	1.406	1.50	1.62	2.125	225	10.7
		1206-24-24	USE PART # 1186-24-24								---	
2	2	1205-32-32	4.00	4.00	4.00	3.062	1.688	1.94	1.91	2.500	228	13.6
		1206-32-32	USE PART # 1186-32-32								---	
2 1/2 ^②	2 1/2	1205-40-40	4.50	4.50	4.50	3.500	2.000	2.44	2.25	3.000	232	18.3
		1206-40-40	USE PART # 1186-40-40								---	
3 ^③	3	1205-48-48	5.50	5.31	5.50	4.188	2.438	2.94	2.75	3.625	237	31.7
		1206-48-48	USE PART # 1186-48-48								---	
3 1/2 ^④	3 1/2	1205-56-56	6.00	6.00	6.00	4.750	2.750	3.44	3.00	4.109	241	45.0
		1206-56-56	USE PART # 1186-56-56								---	
4 ^④	4	1205-64-64	6.00	6.38	6.00	5.125	3.062	3.94	3.00	4.609	245	58.2
		1206-64-64	USE PART # 1186-64-64								---	
5 ^④	5	1205-80-80				6.000	3.625			5.609	253	
		1206-80-80	USE PART # 1186-80-80								---	

MATERIAL:
Low Carbon Steel^⑤



Model 1205 / 1207

Model 1206 / 1208

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

SAE BOLT PATTERN				62 SERIES								
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	1207-08-08	2.00	2.22	2.00	1.594	.718	.50	.81	1.000	210	2.0
		1208-08-08	USE PART # 1188-08-08								---	
3/4	3/4	1207-12-12	2.50	2.81	2.50	2.000	.937	.75	1.06	1.250	214	4.3
		1208-12-12	USE PART # 1188-12-12								---	
1	1	1207-16-16	3.00	3.19	3.00	2.250	1.093	1.00	1.38	1.562	219	7.0
		1208-16-16	USE PART # 1188-16-16								---	
1 1/4	1 1/4	1207-20-20	3.50	3.75	3.50	2.625	1.250	1.25	1.41	1.750	222	10.8
		1208-20-20	USE PART # 1188-20-20								---	
1 1/2	1 1/2	1207-24-24	4.00	4.50	4.00	3.125	1.437	1.50	1.75	2.125	225	16.6
		1208-24-24	USE PART # 1188-24-24								---	
2	2	1207-32-32	5.00	5.25	5.00	3.812	1.750	1.94	2.50	2.500	228	29.7
		1208-32-32	USE PART # 1188-32-32								---	
2 1/2	2 1/2	1207-40-40										
		1208-40-40	Please contact MAIN Manufacturing's Engineering Department									
3	3	1207-48-48	at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com									
		1208-48-48										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

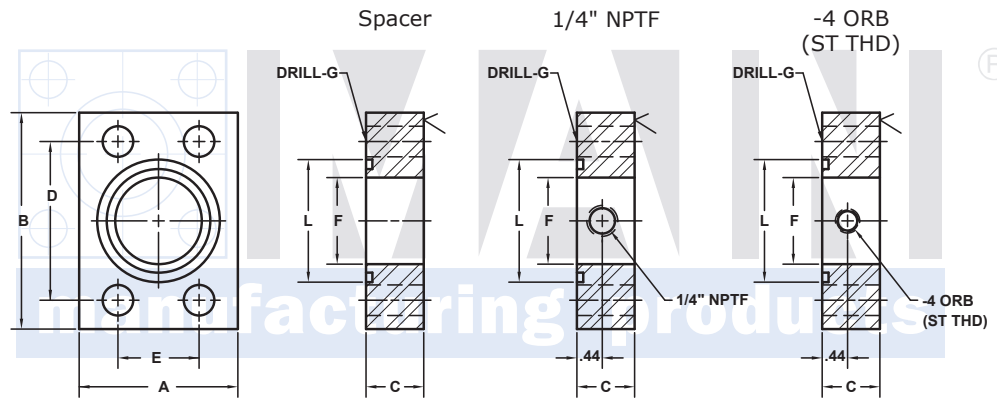
⑤ May Contain Lead

SPACERS AND GAUGE PORT ADAPTERS

1/4" GAUGE PORTS

SAE BOLT PATTERN				61 SERIES								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1303-08-08	1.50	2.12	1.00	1.500	.688	.50	.34	1.000	210	.7
		2303-08-08										
		3303-08-08										
3/4	NA	1303-12-12	1.75	2.62	1.00	1.875	.875	.75	.41	1.250	214	1.0
		2303-12-12										
		3303-12-12										
1	NA	1303-16-16	2.00	2.82	1.00	2.062	1.031	1.00	.41	1.562	219	1.1
		2303-16-16										
		3303-16-16										
1 1/4	NA	1303-20-20	2.50	3.19	1.00	2.312	1.188	1.25	.47	1.750	222	1.6
		2303-20-20										
		3303-20-20										
1 1/2	NA	1303-24-24	2.75	3.75	1.00	2.750	1.406	1.50	.53	2.125	225	2.0
		2303-24-24										
		3303-24-24										
2	NA	1303-32-32	3.25	4.00	1.00	3.062	1.688	1.94	.53	2.500	228	2.4
		2303-32-32										
		3303-32-32										
2 1/2 ^②	NA	1303-40-40	4.00	4.50	1.00	3.500	2.000	2.44	.53	3.000	232	3.3
		2303-40-40										
		3303-40-40										
3 ^③	NA	1303-48-48	4.50	5.31	1.00	4.188	2.438	2.94	.66	3.625	237	4.1
		2303-48-48										
		3303-48-48										

MATERIAL:
Low Carbon Steel^⑤



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

SAE BOLT PATTERN				62 SERIES								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1305-08-08	1.75	2.22	1.00	1.594	.718	.50	.34	1.000	210	.8
		2305-08-08										
		3305-08-08										
3/4	NA	1305-12-12	2.00	2.81	1.00	2.000	.937	.75	.41	1.250	214	1.2
		2305-12-12										
		3305-12-12										
1	NA	1305-16-16	2.25	3.19	1.00	2.250	1.093	1.00	.47	1.562	219	1.5
		2305-16-16										
		3305-16-16										
1 1/4	NA	1305-20-20	2.75	3.75	1.00	2.625	1.250	1.25	.53	1.750	222	2.2
		2305-20-20										
		3305-20-20										
1 1/2	NA	1305-24-24	3.25	4.50	1.00	3.125	1.437	1.50	.66	2.125	225	3.1
		2305-24-24										
		3305-24-24										
2	NA	1305-32-32	4.00	5.25	1.00	3.812	1.750	1.94	.78	2.500	228	4.3
		2305-32-32										
		3305-32-32										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

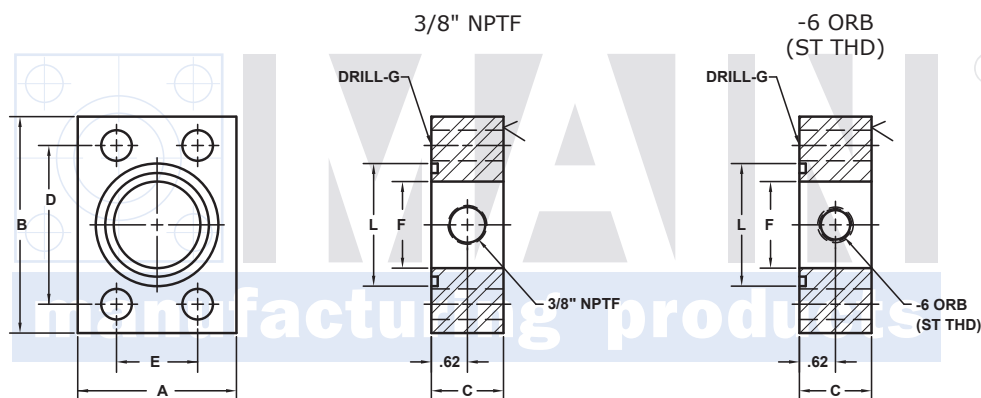
⑤ May Contain Lead

GAUGE PORT ADAPTERS

3/8" GAUGE PORTS

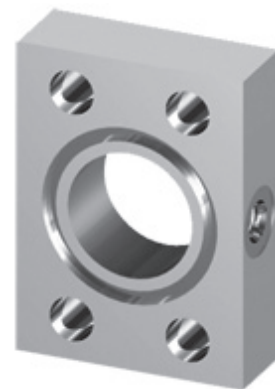
SAE BOLT PATTERN					61 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1291-08-08	1.50	2.12	1.25	1.500	.688	.50	.34	1.000	210	1.0
		1293-08-08										
3/4	NA	1291-12-12	1.75	2.62	1.25	1.875	.875	.75	.41	1.250	214	1.2
		1293-12-12										
1	NA	1291-16-16	2.00	2.82	1.25	2.062	1.031	1.00	.41	1.562	219	1.5
		1293-16-16										
1 1/4	NA	1291-20-20	2.50	3.19	1.25	2.312	1.188	1.25	.47	1.750	222	2.1
		1293-20-20										
1 1/2	NA	1291-24-24	2.75	3.75	1.25	2.750	1.406	1.50	.53	2.125	225	2.6
		1293-24-24										
2	NA	1291-32-32	3.25	4.00	1.25	3.062	1.688	1.94	.53	2.500	228	3.2
		1293-32-32										
2 1/2 ^②	NA	1291-40-40	4.00	4.50	1.25	3.500	2.000	2.44	.53	3.000	232	4.3
		1293-40-40										
3 ^③	NA	1291-48-48	4.50	5.31	1.25	4.188	2.438	2.94	.66	3.625	237	5.5
		1293-48-48										

MATERIAL:
Low Carbon Steel^⑤



Model 1291 / 1292

Model 1293 / 1294



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

SAE BOLT PATTERN					62 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1292-08-08	1.75	2.22	1.25	1.594	.718	.50	.34	1.000	210	1.2
		1294-08-08										
3/4	NA	1292-12-12	2.00	2.81	1.25	2.000	.937	.75	.41	1.250	214	1.6
		1294-12-12										
1	NA	1292-16-16	2.25	3.19	1.25	2.250	1.093	1.00	.47	1.562	219	1.9
		1294-16-16										
1 1/4	NA	1292-20-20	2.75	3.75	1.25	2.625	1.250	1.25	.53	1.750	222	2.8
		1294-20-20										
1 1/2	NA	1292-24-24	3.25	4.50	1.25	3.125	1.437	1.50	.66	2.125	225	4.0
		1294-24-24										
2	NA	1292-32-32	4.00	5.25	1.25	3.812	1.750	1.94	.78	2.500	228	5.6
		1294-32-32										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

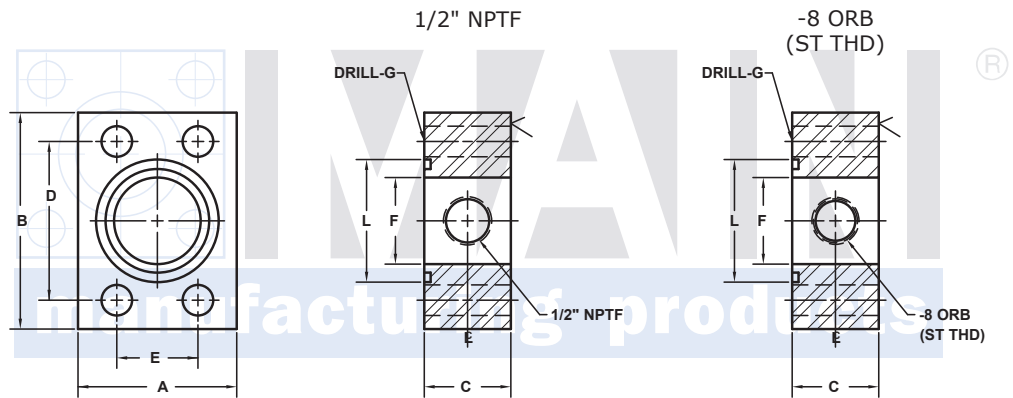
⑤ May Contain Lead

GAUGE PORT ADAPTERS

1/2" GAUGE PORTS

SAE BOLT PATTERN						61 SERIES								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT		
1/2	NA	1295-08-08	USE PART # 1197-08-08								210			
		1297-08-08	USE PART # 1201-08-08											
3/4	NA	1295-12-12	USE PART # 1197-12-08								214			
		1297-12-12	USE PART # 1201-12-08											
1	NA	1295-16-16	2.00	2.82	1.50	2.062	1.031	1.00	.41	1.562	219	1.7		
		1297-16-16												
1 1/4	NA	1295-20-20	2.50	3.19	1.50	2.312	1.188	1.25	.47	1.750	222	2.5		
		1297-20-20												
1 1/2	NA	1295-24-24	2.75	3.75	1.50	2.750	1.406	1.50	.53	2.125	225	3.2		
		1297-24-24												
2	NA	1295-32-32	3.25	4.00	1.50	3.062	1.688	1.94	.53	2.500	228	3.8		
		1297-32-32												
2 1/2 ^②	NA	1295-40-40	4.00	4.50	1.75	3.500	2.000	2.44	.53	3.000	232	6.0		
		1297-40-40												
3 ^③	NA	1295-48-48	4.50	5.31	2.00	4.188	2.438	2.94	.66	3.625	237	8.8		
		1297-48-48												

MATERIAL:
Low Carbon Steel^⑤



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SAE BOLT PATTERN						62 SERIES						O-RING ^①	WT
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L			
1/2	NA	1296-08-08	USE PART # 1199-08-08								210		
		1298-08-08	USE PART # 1203-08-08										
3/4	NA	1296-12-12	USE PART # 1199-12-08								214		
		1298-12-12	USE PART # 1203-12-08										
1	NA	1296-16-16	2.25	3.19	1.50	2.250	1.093	1.00	.47	1.562	219	2.3	
		1298-16-16											
1 1/4	NA	1296-20-20	3.00	3.75	1.50	2.625	1.250	1.25	.53	1.750	222	3.8	
		1298-20-20											
1 1/2	NA	1296-24-24	3.25	4.50	1.50	3.125	1.437	1.50	.66	2.125	225	4.7	
		1298-24-24											
2	NA	1296-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	2.500	228	7.8	
		1298-32-32											

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

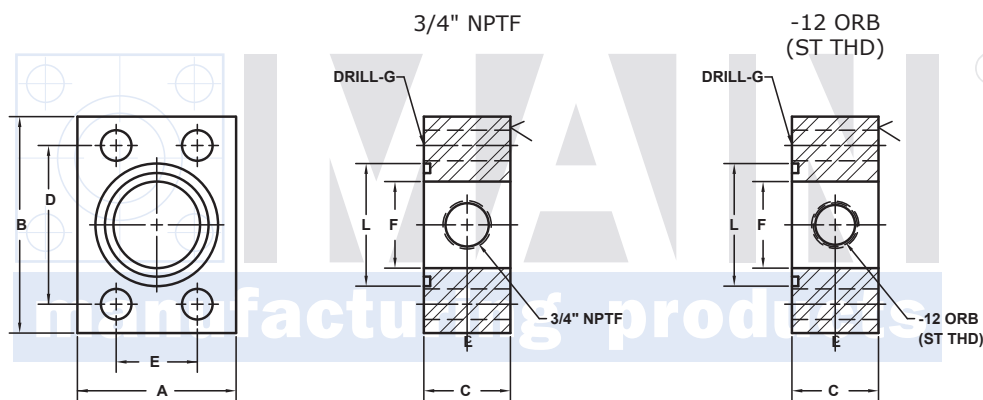
⑤ May Contain Lead

GAUGE PORT ADAPTERS

3/4" GAUGE PORTS

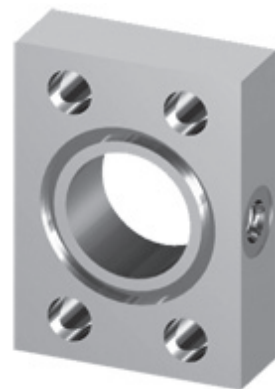
SAE BOLT PATTERN			61 SERIES										
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT	
1/2	NA	1299-08-08	USE PART # 1197-08-12								210		
		1301-08-08	USE PART # 1201-08-12										
3/4	NA	1299-12-12	USE PART # 1197-12-12								214		
		1301-12-12	USE PART # 1201-12-12										
1	NA	1299-16-16	USE PART # 1197-16-12								219		
		1301-16-16	USE PART # 1201-16-12										
1 1/4	NA	1299-20-20	2.50	3.19	1.75	2.312	1.188	1.25	.47	1.750	222	2.8	
		1301-20-20											
1 1/2	NA	1299-24-24	2.75	3.75	1.75	2.750	1.406	1.50	.53	2.125	225	3.6	
		1301-24-24											
2	NA	1299-32-32	3.25	4.00	1.75	3.062	1.688	1.94	.53	2.500	228	4.3	
		1301-32-32											
2 1/2 ^②	NA	1299-40-40	4.00	4.50	1.75	3.500	2.000	2.44	.53	3.000	232	6.0	
		1301-40-40											
3 ^③	NA	1299-48-48	4.50	5.31	2.00	4.188	2.438	2.94	.66	3.625	237	8.7	
		1301-48-48											

MATERIAL:
Low Carbon Steel^⑤



Model 1299 / 1300

Model 1301 / 1302



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

SAE BOLT PATTERN						62 SERIES								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT		
1/2	NA	1300-08-08	USE PART # 1199-08-12								210			
		1302-08-08	USE PART # 1203-08-12											
3/4	NA	1300-12-12	USE PART # 1199-12-12								214			
		1302-12-12	USE PART # 1203-12-12											
1	NA	1300-16-16	USE PART # 1199-16-12								219			
		1302-16-16	USE PART # 1203-16-12											
1 1/4	NA	1300-20-20	3.00	3.75	1.75	2.625	1.250	1.25	.53	1.750	222	4.3		
		1302-20-20												
1 1/2	NA	1300-24-24	3.25	4.50	1.75	3.125	1.437	1.50	.66	2.125	225	5.4		
		1302-24-24												
2	NA	1300-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	2.500	228	7.7		
		1302-32-32												

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

⑤ May Contain Lead

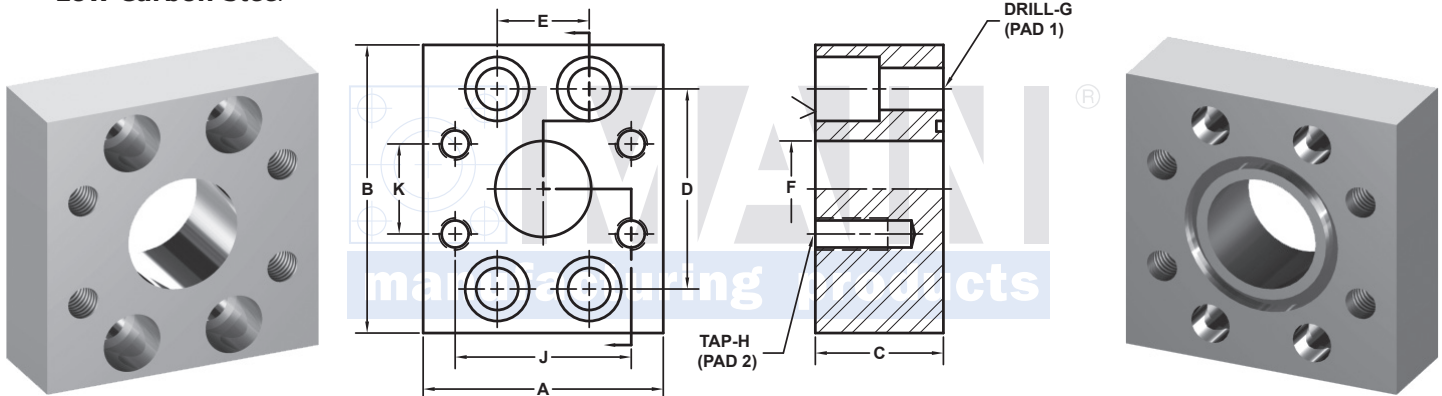
FLANGE ADAPTERS

AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

SAE BOLT PATTERN													61 SERIES® TO 62 SERIES		
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	1315-08-08	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	1/2	1315-12-08	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.594	.718	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	1315-12-12	2.81	2.75	1.00	1.875	.875	.75	.41	3/8-16	2.000	.937	MK 565	3/8-16 x 1	214
1	1/2	1315-16-08	2.25	3.00	1.75	2.062	1.031	.50	.41	5/16-18	1.594	.718	MK 503	3/8-16 x 1 3/4	219
1	3/4	1315-16-12	2.81	3.00	1.75	2.062	1.031	.75	.41	3/8-16	2.000	.937	MK 503	3/8-16 x 1 3/4	219
1	1	1315-16-16	3.19	3.00	1.25	2.062	1.031	1.00	.41	7/16-14	2.250	1.093	MK 2535	3/8-16 x 1 1/4	219
1 1/4	3/4	1315-20-12	2.81	3.25	1.75	2.312	1.188	.75	.47	3/8-16	2.000	.937	MK 504	7/16-14 x 1 3/4	222
1 1/4	1	1315-20-16	3.19	3.25	1.75	2.312	1.188	1.00	.47	7/16-14	2.250	1.093	MK 504	7/16-14 x 1 3/4	222
1 1/4	1 1/4	1315-20-20	3.75	3.25	1.25	2.312	1.188	1.25	.47	1/2-13	2.625	1.250	MK 567	7/16-14 x 1 1/4	222
1 1/2	1	1315-24-16	3.19	3.75	1.75	2.750	1.406	1.00	.53	7/16-14	2.250	1.093	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1 1/4	1315-24-20	3.75	3.75	1.75	2.750	1.406	1.25	.53	1/2-13	2.625	1.250	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1 1/2	1315-24-24	4.50	3.75	1.50	2.750	1.406	1.50	.53	5/8-11	3.125	1.437	MK 2536	1/2-13 x 1 1/2	225

MATERIAL:

Low Carbon Steel^⑤



NOTE: Model 1315, shown, is O-Ring Face by Flat Face. Model 1316, not shown, is Flat Face by Flat Face.

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SAE BOLT PATTERN													61 SERIES® TO 62 SERIES		
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	1315-32-20	3.75	4.00	2.00	3.062	1.688	1.25	.53	1/2-13	2.625	1.250	MK 560	1/2-13 x 2	228
2	1 1/2	1315-32-24	4.50	4.00	1.50	3.062	1.688	1.50	.53	5/8-11	3.125	1.437	MK 2537	1/2-13 x 1 1/2	228
2	2	1315-32-32	5.25	4.00	1.75	3.062	1.688	1.94	.53	3/4-10	3.812	1.750	MK 582	1/2-13 x 1 3/4	228
2 1/2 ^②	1 1/2	1315-40-24	4.50	4.50	2.25	3.500	2.000	1.50	.53	5/8-11	3.125	1.437	MK 1526	1/2-13 x 2 1/4	232
2 1/2 ^②	2	1315-40-32	5.25	4.50	1.75	3.500	2.000	1.94	.53	3/4-10	3.812	1.750	MK 1528	1/2-13 x 1 3/4	232
2 1/2 ^②	2 1/2	1315-40-40	6.88	5.00	2.00	3.500	2.000	2.44	.53	7/8-9	4.875	2.312	MK 561	1/2-13 x 2	232
3 ^③	2	1315-48-32	5.25	5.50	2.50	4.188	2.438	1.94	.66	3/4-10	3.812	1.750	MK 585	5/8-11 x 2 1/2	237
3 ^③	2 1/2	1315-48-40	6.88	5.50	2.00	4.188	2.438	2.44	.66	7/8-9	4.875	2.312	MK 1511	5/8-11 x 2	237
3 ^③	3	1315-48-48	8.50	6.00	2.50	4.188	2.438	2.94	.66	1 1/8-7	6.000	2.812	MK 585	5/8-11 x 2 1/2	237

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

⑤ May Contain Lead

⑥ **CAUTION:** Flange Adapter Pressure Rating CANNOT Exceed 61 Series Pad Connection.

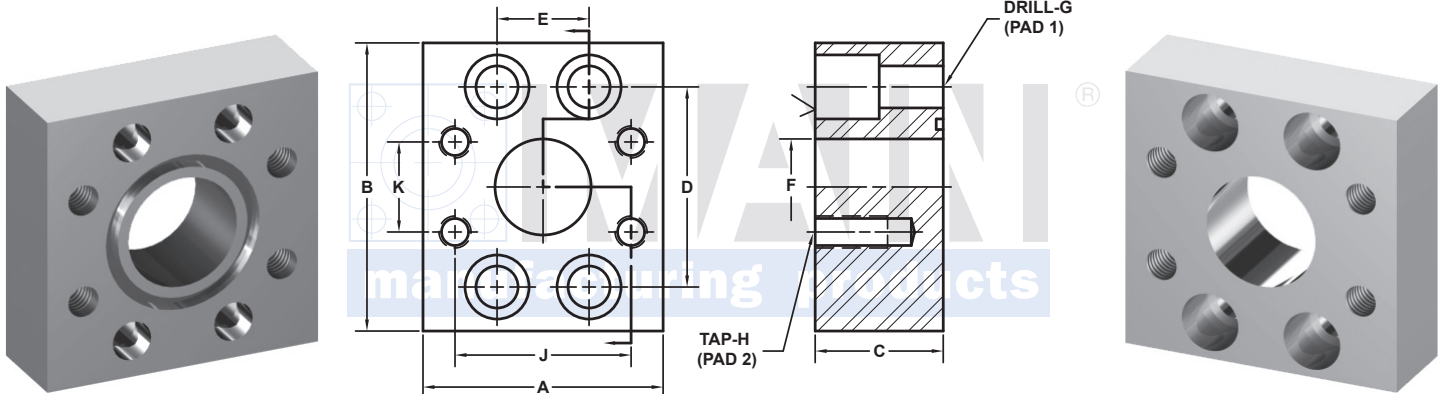
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FLANGE ADAPTERS

AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

SAE BOLT PATTERN													61 SERIES TO 61 SERIES		
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	1317-08-08	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.500	.688	MK 564	5/16-18 x 1	210
3/4	1/2	1317-12-08	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.500	.688	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	1317-12-12	2.75	2.75	1.00	1.875	.875	.75	.41	3/8-16	1.875	.875	MK 565	3/8-16 x 1	214
1	1/2	1317-16-08	2.25	3.00	1.75	2.062	1.031	.50	.41	5/16-18	1.500	.688	MK 503	3/8-16 x 1 3/4	219
1	3/4	1317-16-12	2.75	3.00	1.75	2.062	1.031	.75	.41	3/8-16	1.875	.875	MK 503	3/8-16 x 1 3/4	219
1	1	1317-16-16	3.00	3.00	1.25	2.062	1.031	1.00	.41	3/8-16	2.062	1.031	MK 2535	3/8-16 x 1 1/4	219
1 1/4	3/4	1317-20-12	2.75	3.25	1.75	2.312	1.188	.75	.47	3/8-16	1.875	.875	MK 504	7/16-14 x 1 3/4	222
1 1/4	1	1317-20-16	2.81	3.25	1.75	2.312	1.188	1.00	.47	3/8-16	2.062	1.031	MK 504	7/16-14 x 1 3/4	222
1 1/4	1 1/4	1317-20-20	3.25	3.25	1.25	2.312	1.188	1.25	.47	7/16-14	2.312	1.188	MK 567	7/16-14 x 1 1/4	222
1 1/2	1	1317-24-16	2.75	3.75	1.75	2.750	1.406	1.00	.53	3/8-16	2.062	1.031	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1 1/4	1317-24-20	3.25	3.75	2.00	2.750	1.406	1.25	.53	7/16-14	2.312	1.188	MK 505	1/2-13 x 2	225
1 1/2	1 1/2	1317-24-24	3.75	3.75	1.25	2.750	1.406	1.50	.53	1/2-13	2.750	1.406	MK 568	1/2-13 x 1 1/4	225

MATERIAL:
Low Carbon Steel®



NOTE: Model 1317, shown, is O-Ring Face by Flat Face. Model 1318, see page 50, is Flat Face by Flat Face.

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

SAE BOLT PATTERN													61 SERIES TO 61 SERIES		
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	1317-32-20	3.25	4.00	2.00	3.062	1.688	1.25	.53	7/16-14	2.312	1.188	MK 560	1/2-13 x 2	228
2	1 1/2	1317-32-24	3.75	4.00	2.00	3.062	1.688	1.50	.53	1/2-13	2.750	1.406	MK 560	1/2-13 x 2	228
2	2	1317-32-32	4.00	4.00	1.25	3.062	1.688	1.94	.53	1/2-13	3.062	1.688	MK 1509	1/2-13 x 1 1/4	228
2 1/2 ^②	1 1/2	1317-40-24	4.00	4.50	2.00	3.500	2.000	1.50	.53	1/2-13	2.750	1.406	MK 561	1/2-13 x 2	232
2 1/2 ^②	2	1317-40-32	4.00	4.50	2.00	3.500	2.000	1.94	.53	1/2-13	3.062	1.688	MK 561	1/2-13 x 2	232
2 1/2 ^②	2 1/2	1317-40-40	4.50	4.50	1.50	3.500	2.000	2.44	.53	1/2-13	3.500	2.000	MK 1510	1/2-13 x 1 1/2	232
3 ^③	2	1317-48-32	4.50	5.31	2.00	4.188	2.438	1.94	.66	1/2-13	3.062	1.688	MK 1511	5/8-11 x 2	237
3 ^③	2 1/2	1317-48-40	4.50	5.50	2.25	4.188	2.438	2.44	.66	1/2-13	3.500	2.000	MK 2559	5/8-11 x 2 1/4	237
3 ^③	3	1317-48-48	5.50	5.50	1.75	4.188	2.438	2.94	.66	5/8-11	4.188	2.438	MK 2538	5/8-11 x 1 3/4	237

① Order Separately

② 2500 PSI Max ③ 2000 PSI Max

⑤ May Contain Lead

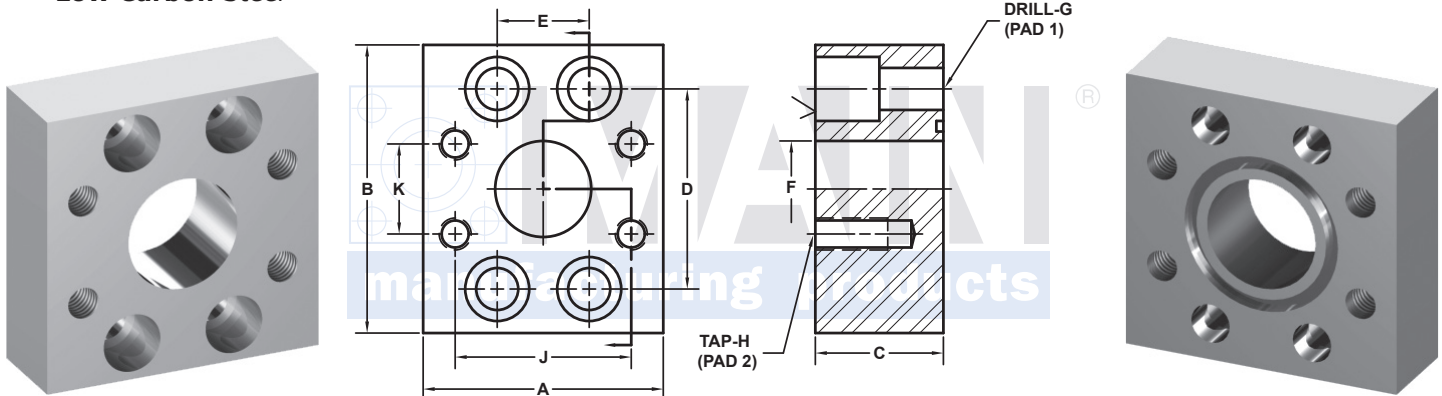
FLANGE ADAPTERS

AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

SAE BOLT PATTERN													62 SERIES TO 61 SERIES ^⑥		
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	1339-08-08	2.25	2.25	1.00	1.594	.718	.50	.34	5/16-18	1.500	.688	MK 564	5/16-18 x 1	210
3/4	1/2	1339-12-08	2.25	2.81	1.75	2.000	.937	.50	.41	5/16-18	1.500	.688	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	1339-12-12	2.75	2.81	1.00	2.000	.937	.75	.41	3/8-16	1.875	.875	MK 565	3/8-16 x 1	214
1	1/2	1339-16-08	2.25	3.19	1.75	2.250	1.093	.50	.47	5/16-18	1.500	.688	MK 513	7/16-14 x 1 3/4	219
1	3/4	1339-16-12	2.75	3.19	1.75	2.250	1.093	.75	.47	3/8-16	1.875	.875	MK 513	7/16-14 x 1 3/4	219
1	1	1339-16-16	3.00	3.19	1.25	2.250	1.093	1.00	.47	3/8-16	2.062	1.031	MK 569	7/16-14 x 1 1/4	219
1 1/4	3/4	1339-20-12	2.75	3.75	1.75	2.625	1.250	.75	.53	3/8-16	1.875	.875	MK 529	1/2-13 x 1 3/4	222
1 1/4	1	1339-20-16	2.75	3.75	1.75	2.625	1.250	1.00	.53	3/8-16	2.062	1.031	MK 529	1/2-13 x 1 3/4	222
1 1/4	1 1/4	1339-20-20	3.25	3.75	1.25	2.625	1.250	1.25	.53	7/16-14	2.312	1.188	MK 570	1/2-13 x 1 1/4	222
1 1/2	1	1339-24-16	3.25	4.50	1.75	3.125	1.437	1.00	.66	3/8-16	2.062	1.031	MK 1544	5/8-11 x 1 3/4	225
1 1/2	1 1/4	1339-24-20	3.25	4.50	2.00	3.125	1.437	1.25	.66	7/16-14	2.312	1.188	MK 562	5/8-11 x 2	225
1 1/2	1 1/2	1339-24-24	3.75	4.50	1.50	3.125	1.437	1.50	.66	1/2-13	2.750	1.406	MK 571	5/8-11 x 1 1/2	225

MATERIAL:

Low Carbon Steel^⑤



NOTE: Model 1339, shown, is O-Ring Face by Flat Face. Model 1340, not shown, is Flat Face by Flat Face.

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

SAE BOLT PATTERN													62 SERIES TO 61 SERIES ^⑥		
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	1339-32-20	4.00	5.25	2.00	3.812	1.750	1.25	.78	7/16-14	2.312	1.188	MK 1574	3/4-10 x 2 1/4	228
2	1 1/2	1339-32-24	4.00	5.25	2.00	3.812	1.750	1.50	.78	1/2-13	2.750	1.406	MK 1574	3/4-10 x 2 1/4	228
2	2	1339-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	1/2-13	3.062	1.688	MK 563	3/4-10 x 2	228
2 1/2	1 1/2	1339-40-24	5.00	6.88	2.00	4.875	2.312	1.50	.94	1/2-13	2.750	1.406	MK 1513	7/8-9 x 2 1/4	232
2 1/2	2	1339-40-32	5.00	6.88	2.00	4.875	2.312	1.94	.94	1/2-13	3.062	1.688	MK 1513	7/8-9 x 2 1/4	232
2 1/2	2 1/2 ^②	1339-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	1/2-13	3.500	2.000	MK 1513	7/8-9 x 2 1/4	232
3	2	1339-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1.19	1/2-13	3.062	1.688	MK 718	1 1/8-7 x 4 1/2	237
3	2 1/2 ^②	1339-48-40	6.00	8.50	2.50	6.000	2.812	2.44	1.19	1/2-13	3.500	2.000	MK 718	1 1/8-7 x 4 1/2	237
3	3 ^③	1339-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	5/8-11	4.188	2.438	MK 1514	1 1/8-7 x 2 1/2	237

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

⑤ May Contain Lead

⑥ **CAUTION:** Flange Adapter Pressure Rating CANNOT Exceed 61 Series Pad Connection.

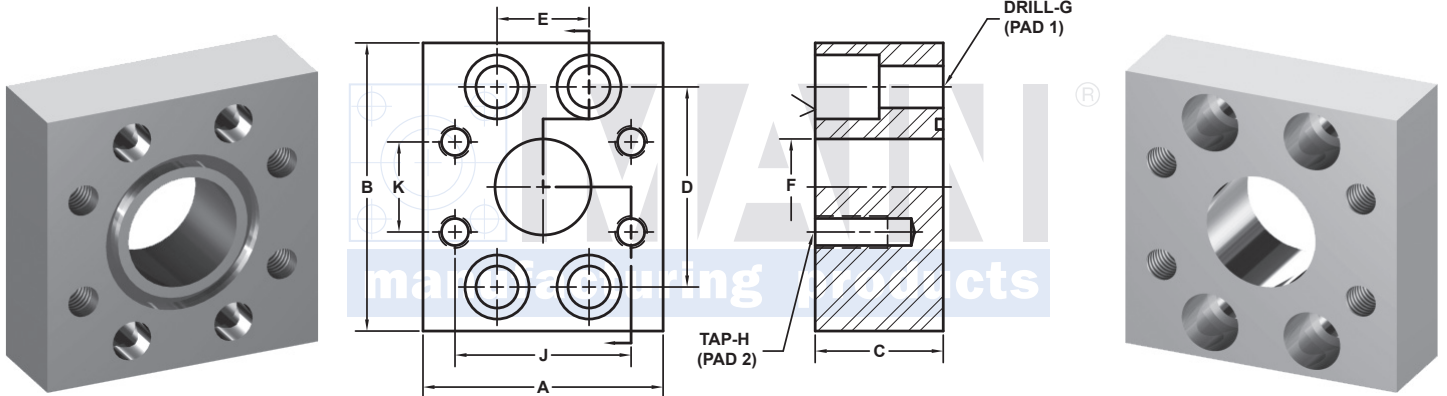
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FLANGE ADAPTERS

AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

SAE BOLT PATTERN													62 SERIES TO 62 SERIES		
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	1341-08-08	2.25	2.25	1.00	1.594	.718	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	1/2	1341-12-08	2.25	2.81	1.50	2.000	.937	.50	.41	5/16-18	1.594	.718	MK 1525	3/8-16 x 1 1/2	214
3/4	3/4	1341-12-12	3.00	3.00	1.00	2.000	.937	.75	.41	3/8-16	2.000	.937	MK 565	3/8-16 x 1	214
1	1/2	1341-16-08	2.25	3.19	1.50	2.250	1.093	.50	.47	5/16-18	1.594	.718	MK 1529	7/16-14 x 1 1/2	219
1	3/4	1341-16-12	3.00	3.19	1.75	2.250	1.093	.75	.47	3/8-16	2.000	.937	MK 513	7/16-14 x 1 3/4	219
1	1	1341-16-16	3.25	3.25	1.25	2.250	1.093	1.00	.47	7/16-14	2.250	1.093	MK 569	7/16-14 x 1 1/4	219
1 1/4	3/4	1341-20-12	2.81	3.75	1.75	2.625	1.250	.75	.53	3/8-16	2.000	.937	MK 529	1/2-13 x 1 3/4	222
1 1/4	1	1341-20-16	3.25	3.75	1.75	2.625	1.250	1.00	.53	7/16-14	2.250	1.093	MK 529	1/2-13 x 1 3/4	222
1 1/4	1 1/4	1341-20-20	3.75	3.75	1.25	2.625	1.250	1.25	.53	1/2-13	2.625	1.250	MK 570	1/2-13 x 1 1/4	222
1 1/2	1	1341-24-16	3.25	4.50	2.00	3.125	1.437	1.00	.66	7/16-14	2.250	1.093	MK 562	5/8-11 x 2	225
1 1/2	1 1/4	1341-24-20	3.75	4.50	2.00	3.125	1.437	1.25	.66	1/2-13	2.625	1.250	MK 562	5/8-11 x 2	225
1 1/2	1 1/2	1341-24-24	4.50	4.50	1.75	3.125	1.437	1.50	.66	5/8-11	3.125	1.437	MK 1544	5/8-11 x 1 3/4	225

MATERIAL:
Low Carbon Steel®



NOTE: Model 1341, shown, is O-Ring Face by Flat Face. Model 1342, see page 50, is Flat Face by Flat Face.

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SAE BOLT PATTERN													62 SERIES TO 62 SERIES		
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT®		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	1341-32-20	4.00	5.25	2.00	3.812	1.750	1.25	.78	1/2-13	2.625	1.250	MK 1574	3/4-10 x 2 1/4	228
2	1 1/2	1341-32-24	4.50	5.25	2.25	3.812	1.750	1.50	.78	5/8-11	3.125	1.437	MK 1548	3/4-10 x 2 1/2	228
2	2	1341-32-32	5.25	5.25	1.75	3.812	1.750	1.94	.78	3/4-10	3.812	1.750	MK 563	3/4-10 x 2	228
2 1/2	1 1/2	1341-40-24	5.00	7.00	2.50	4.875	2.312	1.50	.94	5/8-11	3.125	1.437	MK 1575	7/8-9 x 2 3/4	232
2 1/2	2	1341-40-32	5.25	7.00	2.50	4.875	2.312	1.94	.94	3/4-10	3.812	1.750	MK 1575	7/8-9 x 2 3/4	232
2 1/2	2 1/2	1341-40-40	6.88	7.00	2.00	4.875	2.312	2.44	.94	7/8-9	4.875	2.312	MK 1513	7/8-9 x 2 1/4	232
3	2	1341-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1.19	3/4-10	3.812	1.750	MK 1514	1 1/8-7 x 2 1/2	237
3	2 1/2	1341-48-40	7.00	8.50	2.50	6.000	2.812	2.44	1.19	7/8-9	4.875	2.312	MK 1514	1 1/8-7 x 2 1/2	237
3	3	1341-48-48	8.50	8.50	2.50	6.000	2.812	2.94	1.19	1 1/8-7	6.000	2.812	MK 1514	1 1/8-7 x 2 1/2	237

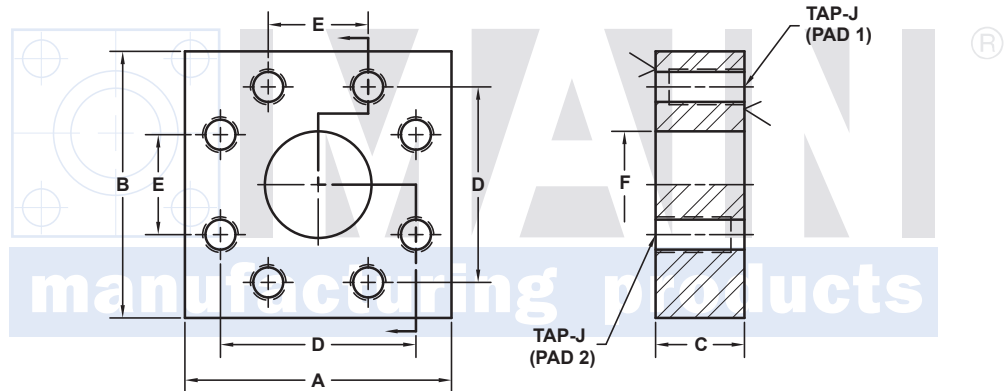
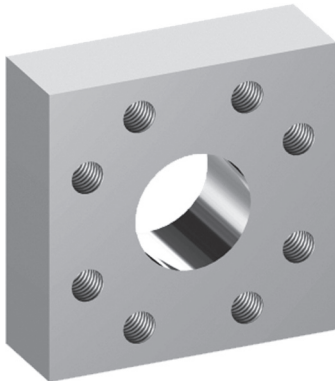
① Order Separately

® May Contain Lead

CONNECTOR BLOCKS - FA STYLE

SAE BOLT PATTERN				61 SERIES TO 61 SERIES						
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	J	WT
1/2	1/2	1318-08-08	2.25	2.25	1.00	1.500	.688	.50	5/16-18	1.3
3/4	3/4	1318-12-12	2.75	2.75	1.00	1.875	.875	.75	3/8-16	1.8
1	1	1318-16-16	3.00	3.00	1.25	2.062	1.031	1.00	3/8-16	2.7
1 1/4	1 1/4	1318-20-20	3.25	3.25	1.25	2.312	1.188	1.25	7/16-14	3.0
1 1/2	1 1/2	1318-24-24	3.75	3.75	1.25	2.750	1.406	1.50	1/2-13	4.0
2	2	1318-32-32	4.00	4.00	1.25	3.062	1.688	1.94	1/2-13	4.2
2 1/2 ^②	2 1/2	1318-40-40	4.50	4.50	1.50	3.500	2.000	2.44	1/2-13	6.1
3 ^③	3	1318-48-48	5.50	5.50	1.75	4.188	2.438	2.94	5/8-11	10.8

MATERIAL:
Low Carbon Steel^⑤



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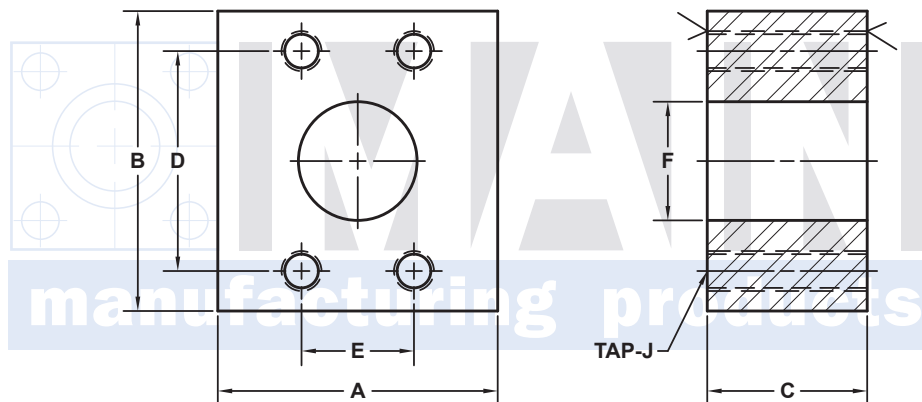
SAE BOLT PATTERN				62 SERIES TO 62 SERIES						
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	J	WT
1/2	1/2	1342-08-08	2.25	2.25	1.00	1.594	.718	.50	5/16-18	1.3
3/4	3/4	1342-12-12	3.00	3.00	1.00	2.000	.937	.75	3/8-16	2.3
1	1	1342-16-16	3.25	3.25	1.25	2.250	1.093	1.00	7/16-14	3.2
1 1/4	1 1/4	1342-20-20	3.75	3.75	1.25	2.625	1.250	1.25	1/2-13	4.2
1 1/2	1 1/2	1342-24-24	4.50	4.50	1.75	3.125	1.437	1.50	5/8-11	8.3
2	2	1342-32-32	5.25	5.25	1.75	3.812	1.750	1.94	3/4-10	10.9

② 2500 PSI Max ③ 2000 PSI Max

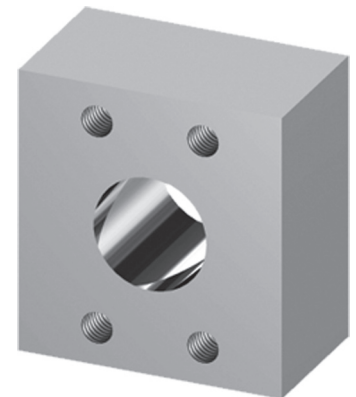
⑤ May Contain Lead

CONNECTOR BLOCKS

SAE BOLT PATTERN					61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	WT
1/2	NA	1304-08-08	2.00	2.12	1.75	1.500	.688	.50	5/16-18	1.8
3/4	NA	1304-12-12	2.00	2.62	1.75	1.875	.875	.75	3/8-16	2.1
1	NA	1304-16-16	2.25	2.75	1.75	2.062	1.031	1.00	3/8-16	2.4
1 1/4	NA	1304-20-20	3.00	3.19	2.00	2.312	1.188	1.25	7/16-14	4.4
1 1/2	NA	1304-24-24	3.50	3.75	2.25	2.750	1.406	1.50	1/2-13	5.9
2	NA	1304-32-32	3.88	4.00	2.25	3.062	1.688	1.94	1/2-13	6.6
2 1/2 ^②	NA	1304-40-40	4.38	4.50	2.25	3.500	2.000	2.44	1/2-13	9.1
3 ^③	NA	1304-48-48	5.00	5.31	2.50	4.188	2.438	2.94	5/8-11	11.9



MATERIAL:
Low Carbon Steel[®]



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SAE BOLT PATTERN					62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	WT
1/2	NA	1306-08-08	2.00	2.22	1.75	1.594	.718	.50	5/16-18	1.9
3/4	NA	1306-12-12	2.50	2.81	2.00	2.000	.937	.75	3/8-16	3.4
1	NA	1306-16-16	2.75	3.19	2.00	2.250	1.093	1.00	7/16-14	4.2
1 1/4	NA	1306-20-20	3.00	3.75	2.00	2.625	1.250	1.25	1/2-13	5.2
1 1/2	NA	1306-24-24	3.88	4.50	2.88	3.125	1.437	1.50	5/8-11	12.1
2	NA	1306-32-32	4.50	5.25	3.00	3.812	1.750	1.94	3/4-10	16.2

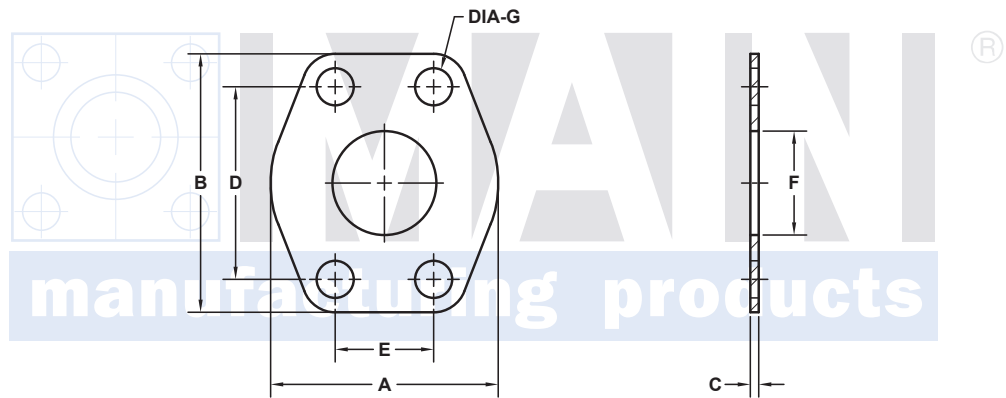
② 2500 PSI Max ③ 2000 PSI Max

⑤ May Contain Lead

CONNECTOR PLATES

SAE BOLT PATTERN				61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
1/2	NA	1211-08-08	1.81	2.12	.06	1.500	.688	.50	.34	
3/4	NA	1211-12-12	2.06	2.56	.06	1.875	.875	.75	.41	
1	NA	1211-16-16	2.31	2.75	.06	2.062	1.031	1.00	.41	
1 1/4	NA	1211-20-20	2.88	3.12	.06	2.312	1.188	1.25	.47	
1 1/2	NA	1211-24-24	3.25	3.69	.06	2.750	1.406	1.50	.53	
2	NA	1211-32-32	3.81	4.00	.06	3.062	1.688	2.00	.53	
2 1/2	NA	1211-40-40	4.12	4.44	.06	3.500	2.000	2.50	.53	
3	NA	1211-48-48	5.16	5.31	.06	4.188	2.438	3.00	.66	

MATERIAL:
Steel



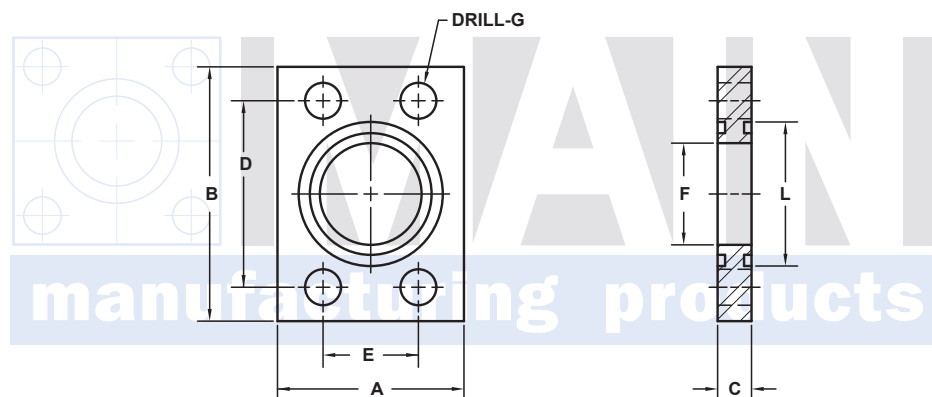
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN				62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
3/4	NA	1212-12-12	2.38	2.81	.06	2.000	.937	.75	.41	
1	NA	1212-16-16	2.75	3.19	.06	2.250	1.093	1.00	.47	
1 1/4	NA	1212-20-20	3.06	3.75	.06	2.625	1.250	1.25	.53	
1 1/2	NA	1212-24-24	3.75	4.44	.06	3.125	1.437	1.50	.66	
2	NA	1212-32-32	4.50	5.25	.06	3.812	1.750	2.00	.78	

DOUBLE O-RING ADAPTERS

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1275-08-08	1.50	2.12	.50	1.500	.688	.50	.34	1.000	210	.3
3/4	NA	1275-12-12	1.75	2.62	.50	1.875	.875	.75	.41	1.250	214	.5
1	NA	1275-16-16	2.00	2.82	.50	2.062	1.031	1.00	.41	1.562	219	.6
1 1/4	NA	1275-20-20	2.50	3.19	.50	2.312	1.188	1.25	.47	1.750	222	.8
1 1/2	NA	1275-24-24	2.75	3.75	.50	2.750	1.406	1.50	.53	2.125	225	1.0
2	NA	1275-32-32	3.25	4.00	.50	3.062	1.688	1.94	.53	2.500	228	1.2
2 1/2	NA	1275-40-40	4.00	4.50	.50	3.500	2.000	2.44	.53	3.000	232	1.7
3	NA	1275-48-48	4.50	5.31	.50	4.188	2.438	2.94	.66	3.625	237	2.1

MATERIAL:
Low Carbon Steel



®



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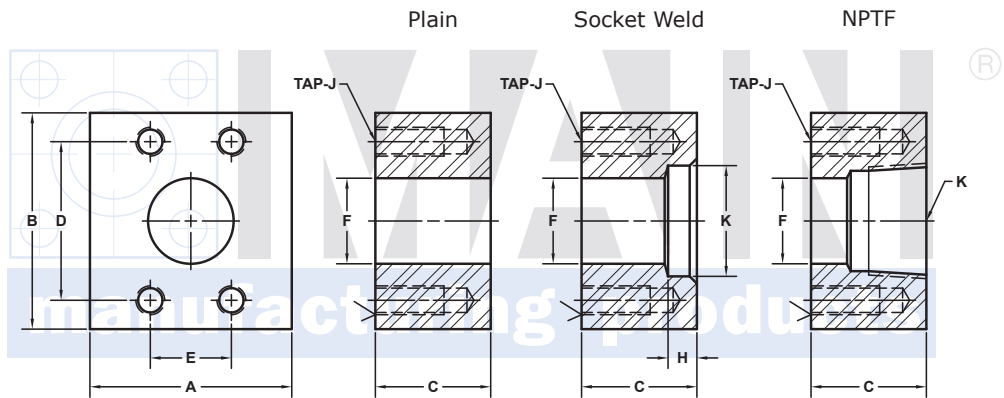
SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	1276-08-08	1.75	2.22	.50	1.594	.718	.50	.34	1.000	210	.4
3/4	NA	1276-12-12	2.00	2.81	.50	2.000	.937	.75	.41	1.250	214	.6
1	NA	1276-16-16	2.25	3.19	.50	2.250	1.093	1.00	.47	1.562	219	.8
1 1/4	NA	1276-20-20	2.75	3.75	.50	2.625	1.250	1.25	.53	1.750	222	1.1
1 1/2	NA	1276-24-24	3.25	4.50	.50	3.125	1.437	1.50	.66	2.125	225	1.6
2	NA	1276-32-32	4.00	5.25	.50	3.812	1.750	1.94	.78	2.500	228	2.2

① Includes 2 Buna-N O-Rings

RESERVOIR ADAPTERS

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	H	K	WT
1/2	1/2	1209-08-08	1.50	2.12	1.50	1.500	.688	.50	5/16-18	NA	NA	1.2
		1563-08-08								.38	.860	1.2
		1565-08-08								NA	1/2" NPTF	1.2
3/4	3/4	1209-12-12	1.75	2.62	1.50	1.875	.875	.75	3/8-16	NA	NA	1.7
		1563-12-12								.50	1.070	1.6
		1565-12-12								NA	3/4" NPTF	1.6
1	1	1209-16-16	2.00	2.82	1.50	2.062	1.031	1.00	3/8-16	NA	NA	2.0
		1563-16-16								.50	1.335	1.9
		1565-16-16								NA	1" NPTF	1.9
1 1/4	1 1/4	1209-20-20	2.50	3.19	1.75	2.312	1.188	1.25	7/16-14	NA	NA	3.2
		1563-20-20								.50	1.680	3.0
		1565-20-20								NA	1 1/4" NPTF	3.0
1 1/2	1 1/2	1209-24-24	2.75	3.75	1.75	2.750	1.406	1.50	1/2-13	NA	NA	4.0
		1563-24-24								.50	1.920	3.8
		1565-24-24								NA	1 1/2" NPTF	3.8
2	2	1209-32-32	3.25	4.00	1.75	3.062	1.688	1.94	1/2-13	NA	NA	4.8
		1563-32-32								.62	2.411	4.4
		1565-32-32								NA	2" NPTF	4.4
2 1/2 ^②	2 1/2	1209-40-40	4.00	4.50	2.00	3.500	2.000	2.44	1/2-13	NA	NA	7.3
		1563-40-40								.75	2.911	6.8
		1565-40-40								NA	2 1/2" NPTF	7.0
3 ^③	3	1209-48-48	4.50	5.31	2.25	4.188	2.438	2.94	5/8-11	NA	NA	10.5
		1563-48-48								.75	3.540	9.8
		1565-48-48								NA	3" NPTF	9.7

MATERIAL:
Low Carbon Steel



Model 1209 / 1210 Model 1563 / 1564 Model 1565 / 1566

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

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	H	K	WT
1/2	1/2	1210-08-08	1.75	2.22	1.50	1.594	.718	.50	5/16-18	NA	NA	1.5
		1564-08-08								.50	.860	1.4
		1566-08-08								NA	1/2" NPTF	1.5
3/4	3/4	1210-12-12	2.00	2.81	1.75	2.000	.937	.75	3/8-16	NA	NA	2.5
		1564-12-12								.50	1.070	2.4
		1566-12-12								NA	3/4" NPTF	2.4
1	1	1210-16-16	2.25	3.19	1.75	2.250	1.093	1.00	7/16-14	NA	NA	3.0
		1564-16-16								.50	1.335	2.9
		1566-16-16								NA	1" NPTF	2.9
1 1/4	1 1/4	1210-20-20	2.75	3.75	1.75	2.625	1.250	1.25	1/2-13	NA	NA	4.3
		1564-20-20								.50	1.680	4.1
		1566-20-20								NA	1 1/4" NPTF	4.1
1 1/2	1 1/2	1210-24-24	3.25	4.50	2.25	3.125	1.437	1.50	5/8-11	NA	NA	7.8
		1564-24-24								.50	1.920	7.6
		1566-24-24								NA	1 1/2" NPTF	7.5
2	2	1210-32-32	4.00	5.25	2.50	3.812	1.750	1.94	3/4-10	NA	NA	12.0
		1564-32-32								.62	2.411	11.7
		1566-32-32								NA	2" NPTF	11.7

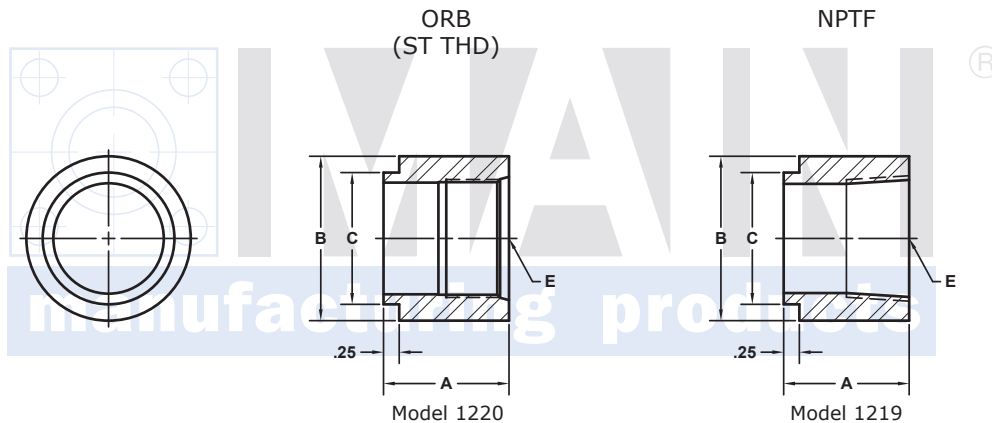
② 2500 PSI Max ③ 2000 PSI Max

TANK PORT ADAPTERS

SAE J1926 (ORB) TANK PORT

ORB	PART NUMBER	A	B	C	E	WT
-4	1220-04-04	1.25	1.00	.73	7/16 - 20	.2
-6	1220-06-06	1.38	1.12	.73	9/16 - 18	.3
-8	1220-08-08	1.50	1.25	.86	3/4 - 16	.3
-10	1220-10-10	1.75	1.50	.98	7/8 - 14	.6
-12	1220-12-12	2.00	1.75	1.23	1 1/16 - 12	.9
-14	1220-14-14	2.00	1.88	1.36	1 3/16 - 12	.9
-16	1220-16-16	2.00	2.00	1.48	1 5/16 - 12	1.0
-20	1220-20-20	2.00	2.38	1.86	1 5/8 - 12	1.3
-24	1220-24-24	2.00	2.62	2.10	1 7/8 - 12	1.5
-32	1220-32-32	2.00	3.50	2.98	2 1/2 - 12	2.6

MATERIAL:
Low Carbon Steel



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NPTF TANK PORT

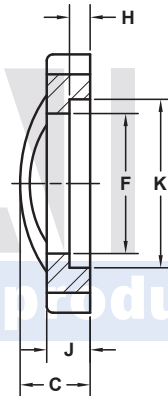
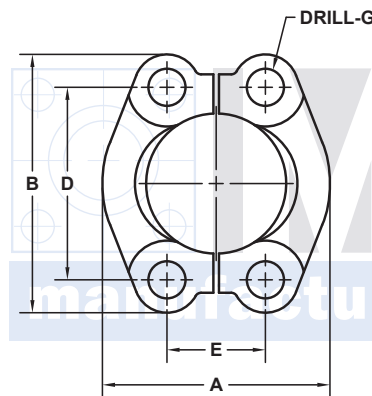
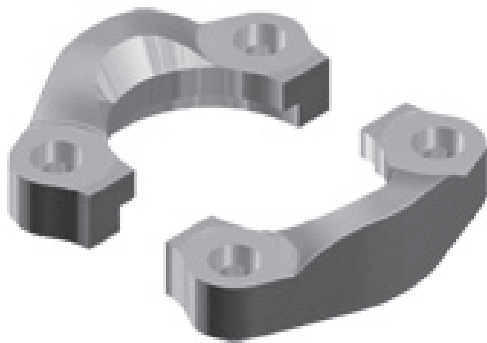
SIZE	PART NUMBER	A	B	C	E NPTF	WT
1/4	1219-04-04	1.25	1.00	.73	1/4	.2
3/8	1219-06-06	1.38	1.12	.73	3/8	.3
1/2	1219-08-08	1.50	1.25	.86	1/2	.3
3/4	1219-12-12	2.00	1.75	1.23	3/4	.8
1	1219-16-16	2.00	2.00	1.48	1	1.1
1 1/4	1219-20-20	2.00	2.38	1.86	1 1/4	1.3
1 1/2	1219-24-24	2.00	2.62	2.10	1 1/2	1.6
2	1219-32-32	2.00	3.50	2.98	2	3.0

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Fitting. Check the Fitting Manufacturer for Details.

SPLIT FLANGES

SAE J518 61 SERIES / ISO 6162-1 PATTERN (J518 61 SERIES METRIC)

FLANGE SIZE		PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
1/2	13	1319-08-08 1319-08-08M8	1.81	2.12	.75	1.500	.688	.955	.34 [8.5]	.245	.50	1.219	MK 701 MKM 764	5/16-18 x 1 1/4 M8 x 25	210
3/4	19	1319-12-12 1319-12-12M10	2.05	2.56	.88	1.875	.875	1.265	.41 [11.0]	.245	.56	1.531	MK 1743 MKM 1743	3/8-16 x 1 1/4 M10 x 30	214
1	25	1319-16-16 1319-16-16M10	2.31	2.75	.94	2.062	1.031	1.515	.41 [11.0]	.295	.62	1.781	MK 2735 MKM 2735	3/8-16 x 1 1/4 M10 x 30	219
1 1/4	32	1319-20-20 1319-20-20M10 1319-20-20M12*	2.88	3.12	.88	2.312	1.188	1.720	.47 [11.0] [13.5]	.295	.56	2.031	MK 1727 MKM 2767 MKM 767	7/16-14 x 1 1/2 M10 x 30 M12 x 35	222
1 1/2	38	1319-24-24 1319-24-24M12 1319-24-24M14*	3.25	3.69	1.00	2.750	1.406	2.000	.53 [13.5] [15.0]	.295	.62	2.406	MK 2736 MKM 3735 MKM 2736	1/2-13 x 1 1/2 M12 x 35 M14 x 40	225
2	51	1319-32-32 1319-32-32M12 1319-32-32M14*	3.81	4.00	1.03	3.062	1.688	2.470	.53 [13.5] [15.0]	.355	.62	2.844	MK 2737 MKM 3737 MKM 2737	1/2-13 x 1 1/2 M12 x 35 M14 x 40	228
2 1/2 ^②	64	1319-40-40 1319-40-40M12 1319-40-40M14*	4.28	4.50	1.50	3.500	2.000	2.950	.53 [13.5] [15.0]	.355	.75	3.344	MK 1728 MKM 3738 MKM 1728	1/2-13 x 1 3/4 M12 x 40 M14 x 45	232
3 ^③	76	1319-48-48 1319-48-48M16	5.16	5.31	1.62	4.188	2.438	3.580	.66 [16.7]	.355	.88	4.031	MK 2738 MKM 1711	5/8-11 x 1 3/4 M16 x 50	237
3 1/2 ^④	89	1319-56-56 1319-56-56M16	5.50	6.00	1.12	4.750	2.750	4.030	.66 [16.7]	.422	.88	4.531	MK 1771 MKM 1771	5/8-11 x 2 M16 x 50	241
4 ^④	102	1319-64-64 1319-64-64M16	6.00	6.38	1.38	5.125	3.062	4.530	.66 [16.7]	.422	1.00	5.031	MK 1772 MKM 1772	5/8-11 x 2 M16 x 50	245



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SAE J518 62 SERIES / ISO 6162-2 PATTERN (J518 62 SERIES METRIC)

FLANGE SIZE		PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
1/2	13	1320-08-08 1320-08-08M8	1.88	2.22	.88	1.594	.718	.970	.34 [8.5]	.285	.62	1.281	MK 701 MKM 701	5/16-18 x 1 1/4 M8 x 30	210
3/4	19	1320-12-12 1320-12-12M10	2.38	2.81	1.12	2.000	.937	1.280	.41 [11.0]	.325	.75	1.656	MK 1725 MKM 1725	3/8-16 x 1 1/2 M10 x 35	214
1	25	1320-16-16 1320-16-16M12	2.75	3.19	1.31	2.250	1.093	1.530	.47 [13.5]	.355	.94	1.906	MK 713 MKM 713	7/16-14 x 1 3/4 M12 x 45	219
1 1/4	32	1320-20-20 1320-20-20M12 1320-20-20M14*	3.06	3.75	1.50	2.625	1.250	1.750	.53 [13.5] [15.0]	.385	1.06	2.156	MK 2740 MKM 704 MKM 2740	1/2-13 x 2 M12 x 45 M14 x 50	222
1 1/2	38	1320-24-24 1320-24-24M16	3.75	4.44	1.69	3.125	1.437	2.030	.66 [16.7]	.475	1.19	2.531	MK 2741 MKM 2741	5/8-11 x 2 1/4 M16 x 55	225
2	51	1320-32-32 1320-32-32M20	4.50	5.25	2.06	3.812	1.750	2.660	.78 [22.0]	.475	1.44	3.156	MK 2743 MKM 2743	3/4-10 x 2 3/4 M20 x 70	228

① Order Separately ② 2500 PSI Max [12.5MPa Max] ③ 2000 PSI Max [10 MPa Max] ④ 500 PSI Max [2.5 MPa Max]

⑥ Includes Both Halves

* Non Standard Screw For This Flange Size

NOTE: ALL Dimensions are in Inches. Metric Equivalents are in [].

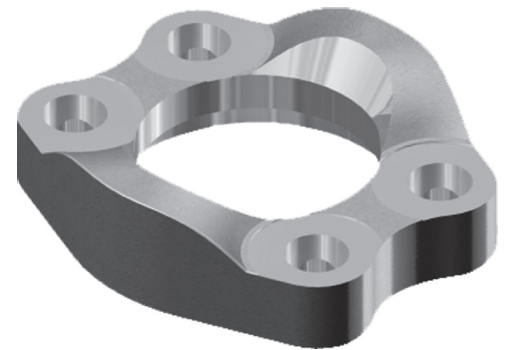
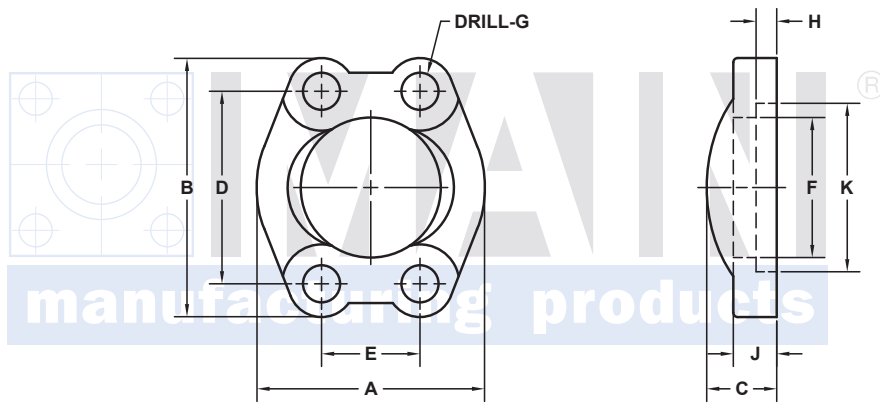
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FLANGE CLAMPS

With Clearance Bolt Holes

SAE J518 61 SERIES / ISO 6162-1 PATTERN (J518 61 SERIES METRIC)

FLANGE SIZE		PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
1/2	13	1221-08-08 1221-08-08M8	1.81	2.12	.75	1.500	.688	.955	.34 [8.5]	.245	.50	1.219	MK 701 MKM 764	5/16-18 x 1 1/4 M8 x 25	210
3/4	19	1221-12-12 1221-12-12M10	2.05	2.56	.88	1.875	.875	1.265	.41 [11.0]	.245	.56	1.531	MK 1743 MKM 1743	3/8-16 x 1 1/4 M10 x 30	214
1	25	1221-16-16 1221-16-16M10	2.31	2.75	.94	2.062	1.031	1.515	.41 [11.0]	.295	.62	1.781	MK 2735 MKM 2735	3/8-16 x 1 1/4 M10 x 30	219
1 1/4	32	1221-20-20 1221-20-20M10 1221-20-20M12*	2.88	3.12	.88	2.312	1.188	1.720	.47 [11.0] [13.5]	.295	.56	2.031	MK 1727 MKM 2767 MKM 767	7/16-14 x 1 1/2 M10 x 30 M12 x 35	222
1 1/2	38	1221-24-24 1221-24-24M12 1221-24-24M14*	3.25	3.69	1.00	2.750	1.406	2.000	.53 [13.5] [15.0]	.295	.62	2.406	MK 2736 MKM 3735 MKM 2736	1/2-13 x 1 1/2 M12 x 35 M14 x 40	225
2	51	1221-32-32 1221-32-32M12 1221-32-32M14*	3.81	4.00	1.03	3.062	1.688	2.470	.53 [13.5] [15.0]	.355	.62	2.844	MK 2737 MKM 3737 MKM 2737	1/2-13 x 1 1/2 M12 x 35 M14 x 40	228
2 1/2 ②	64	1221-40-40 1221-40-40M12 1221-40-40M14*	4.28	4.50	1.50	3.500	2.000	2.950	.53 [13.5] [15.0]	.355	.75	3.344	MK 1728 MKM 3738 MKM 1728	1/2-13 x 1 3/4 M12 x 40 M14 x 45	232
3 ③	76	1221-48-48 1221-48-48M16	5.16	5.31	1.62	4.188	2.438	3.580	.66 [16.7]	.355	.88	4.031	MK 2738 MKM 1711	5/8-11 x 1 3/4 M16 x 50	237
3 1/2 ④	89	1221-56-56 1221-56-56M16	5.50	6.00	1.12	4.750	2.750	4.030	.66 [16.7]	.422	.88	4.531	MK 1771 MKM 1771	5/8-11 x 2 M16 x 50	241
4 ④	102	1221-64-64 1221-64-64M16	6.00	6.38	1.38	5.125	3.062	4.530	.66 [16.7]	.422	1.00	5.031	MK 1772 MKM 1772	5/8-11 x 2 M16 x 50	245



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SAE J518 62 SERIES / ISO 6162-2 PATTERN (J518 62 SERIES METRIC)

FLANGE SIZE		PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
1/2	13	1223-08-08 1223-08-08M8	1.88	2.22	.88	1.594	.718	.970	.34 [8.5]	.285	.62	1.281	MK 701 MKM 701	5/16-18 x 1 1/4 M8 x 30	210
3/4	19	1223-12-12 1223-12-12M10	2.38	2.81	1.12	2.000	.937	1.280	.41 [11.0]	.325	.75	1.656	MK 1725 MKM 1725	3/8-16 x 1 1/2 M10 x 35	214
1	25	1223-16-16 1223-16-16M12	2.75	3.19	1.31	2.250	1.093	1.530	.47 [13.5]	.355	.94	1.906	MK 713 MKM 713	7/16-14 x 1 3/4 M12 x 45	219
1 1/4	32	1223-20-20 1223-20-20M12 1223-20-20M14*	3.06	3.75	1.50	2.625	1.250	1.750	.53 [13.5] [15.0]	.385	1.06	2.156	MK 2740 MKM 704 MKM 2740	1/2-13 x 2 M12 x 45 M14 x 50	222
1 1/2	38	1223-24-24 1223-24-24M16	3.75	4.44	1.69	3.125	1.437	2.030	.66 [16.7]	.475	1.19	2.531	MK 2741 MKM 2741	5/8-11 x 2 1/4 M16 x 55	225
2	51	1223-32-32 1223-32-32M20	4.50	5.25	2.06	3.812	1.750	2.660	.78 [22.0]	.475	1.44	3.156	MK 2743 MKM 2743	3/4-10 x 2 3/4 M20 x 70	228

① Order Separately ② 2500 PSI Max [12.5MPa Max] ③ 2000 PSI Max [10 MPa Max] ④ 500 PSI Max [2.5 MPa Max]

* Non Standard Screw For This Flange Size

NOTE: ALL Dimensions are in Inches. Metric Equivalents are in [].

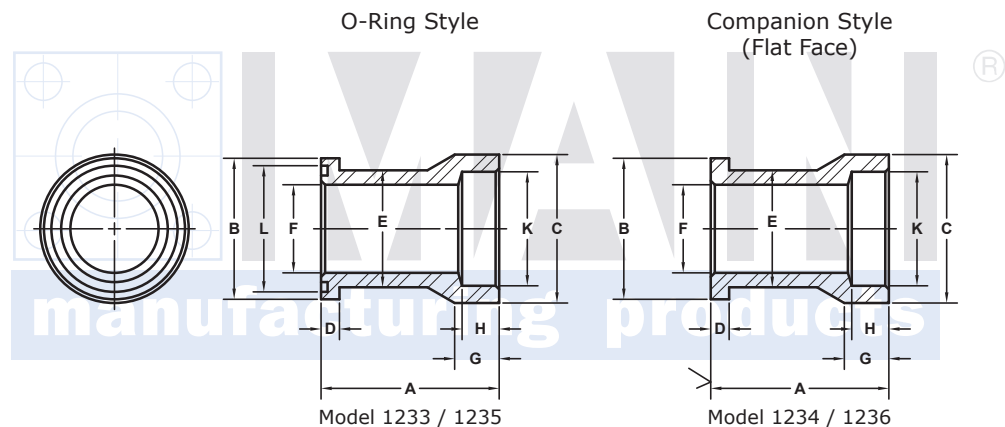
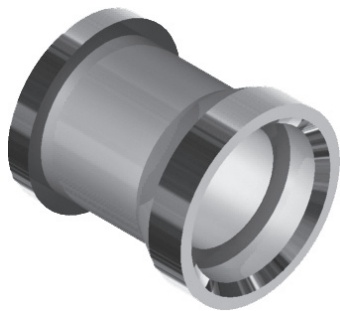
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SOCKET WELD PIPE FLANGED HEADS

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	L	O-RING NO. ①	WT
1/2	1/2	1233-08-08	2.12	1.188	1.31	.265	.92	.50	.50	.50	.860	1.000	210	
		1234-08-08										---	---	
3/4	3/4	1233-12-12	2.25	1.500	1.62	.265	1.23	.75	.50	.50	1.070	1.250	214	
		1234-12-12										---	---	
1	1	1233-16-16	2.25	1.750	1.88	.315	1.48	1.00	.50	.50	1.335	1.562	219	
		1234-16-16										---	---	
1 1/4	1 1/4	1233-20-20	2.62	2.000	2.12	.315	1.69	1.25	.50	.50	1.680	1.750	222	
		1234-20-20										---	---	
1 1/2	1 1/2	1233-24-24	2.75	2.375	2.50	.315	1.97	1.50	.50	.50	1.920	2.125	225	
		1234-24-24										---	---	
1 1/2	2	1233-24-32	4.00	2.375	3.00	.315	1.97	1.50	1.00	.62	2.411	2.125	225	
		1234-24-32										---	---	
2	2	1233-32-32	3.00	2.812	3.00	.375	2.44	1.94	.75	.62	2.411	2.500	228	
		1234-32-32										---	---	
2 1/2 ^②	2 1/2	1233-40-40	3.25	3.312	3.62	.375	2.89	2.32	.75	.62	2.911	3.000	232	
		1234-40-40										---	---	
3 ^③	3	1233-48-48	3.75	4.000	4.50	.375	3.53	2.90	.88	.75	3.540	3.625	237	
		1234-48-48										---	---	
4 ^④	4	1233-64-64	4.25	5.000	5.50	.442	4.48	3.88	.88	.75	4.550	4.609	245	
		1234-64-64										---	---	

MATERIAL:
Low Carbon Steel



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62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	L	O-RING NO. ①	WT
1/2	1/2	1235-08-08	2.38	1.250	1.31	.305	.92	.50	.62	.50	.860	1.000	210	
		1236-08-08										---	---	
3/4	3/4	1235-12-12	2.75	1.625	1.62	.345	1.23	.69	.62	.50	1.070	1.250	214	
		1236-12-12										---	---	
1	1	1235-16-16	3.00	1.875	2.00	.375	1.48	.88	.62	.50	1.335	1.562	219	
		1236-16-16										---	---	
1 1/4	1 1/4	1235-20-20	3.38	2.125	2.38	.405	1.69	1.19	.62	.50	1.680	1.750	222	
		1236-20-20										---	---	
1 1/4	1 1/2	1235-20-24	3.75	2.125	2.75	.405	1.69	1.19	.62	.50	1.920	1.750	222	
		1236-20-24										---	---	
1 1/2	1 1/2	1235-24-24	3.75	2.500	2.75	.495	1.97	1.38	.62	.50	1.920	2.125	225	
		1236-24-24										---	---	
1 1/2	2	1235-24-32	4.88	2.500	3.25	.495	1.97	1.38	1.00	.75	2.411	2.125	225	
		1236-24-32										---	---	
2	2	1235-32-32	4.00	3.125	3.50	.495	2.60	1.75	.75	.62	2.411	2.500	228	
		1236-32-32										---	---	

① Order Separately

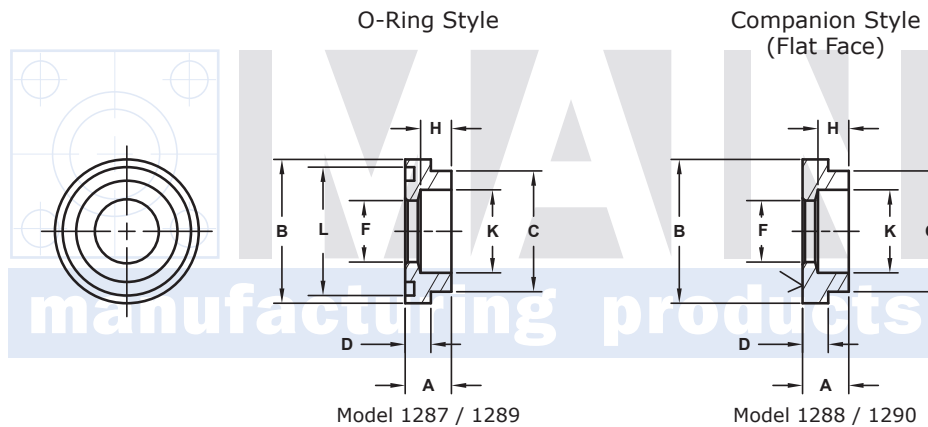
② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

SOCKET WELD TUBE FLANGED HEADS

61 SERIES

FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	F	H	K	L	O-RING NO. ①	WT
1/2	1/2	1287-08-08	.50	1.188	.92	.265	.41	.31	.510	1.000	210	.2
		1288-08-08								---	---	
3/4	3/4	1287-12-12	.56	1.500	1.23	.265	.63	.38	.760	1.250	214	.2
		1288-12-12								---	---	
1	1	1287-16-16	.56	1.750	1.48	.315	.75	.38	1.010	1.562	219	.2
		1288-16-16								---	---	
1 1/4	1	1287-20-16	.56	2.000	1.69	.315	.88	.38	1.010	1.750	222	.4
		1288-20-16								---	---	
1 1/4	1 1/4	1287-20-20	.56	2.000	1.69	.315	1.12	.38	1.260	1.750	222	.3
		1288-20-20								---	---	
1 1/2	1 1/2	1287-24-24	.62	2.375	1.97	.315	1.38	.44	1.510	2.125	225	.3
		1288-24-24								---	---	
2	2	1287-32-32	.62	2.812	2.44	.375	1.88	.44	2.010	2.500	228	.4
		1288-32-32								---	---	
2 1/2 ②	2	1287-40-32	.75	3.312	2.89	.375	1.88	.44	2.010	3.000	232	.8
		1288-40-32								---	---	
2 1/2 ②	2 1/2	1287-40-40	.75	3.312	2.89	.375	2.38	.50	2.510	3.000	232	.6
		1288-40-40								---	---	
3 ③	3	1287-48-48	.94	4.000	3.53	.375	2.88	.62	3.010	3.625	237	1.0
		1288-48-48								---	---	

MATERIAL:
Low Carbon Steel



Model 1287 / 1289

Model 1288 / 1290



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

62 SERIES

FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	F	H	K	L	O-RING NO. ①	WT
1/2	1/2	1289-08-08	.75	1.250	.92	.305	.41	.50	.510	1.000	210	.2
		1290-08-08								---	---	
3/4	3/4	1289-12-12	.75	1.625	1.23	.345	.63	.50	.760	1.250	214	.2
		1290-12-12								---	---	
1	1	1289-16-16	.94	1.875	1.48	.375	.75	.50	1.010	1.562	219	.4
		1290-16-16								---	---	
1 1/4	1	1289-20-16	1.00	2.125	1.69	.405	.75	.50	1.010	1.750	222	.6
		1290-20-16								---	---	
1 1/4	1 1/4	1289-20-20	1.00	2.125	1.69	.405	1.00	.62	1.260	1.750	222	.5
		1290-20-20								---	---	
1 1/2	1 1/2	1289-24-24	1.25	2.500	1.97	.495	1.25	.75	1.510	2.125	225	.8
		1290-24-24								---	---	
2	1 1/2	1289-32-24	1.50	3.125	2.60	.495	1.38	.75	1.510	2.500	228	1.6
		1290-32-24								---	---	
2	2	1289-32-32	1.50	3.125	2.60	.495	1.75	.75	2.010	2.500	228	1.4
		1290-32-32								---	---	

① Order Separately

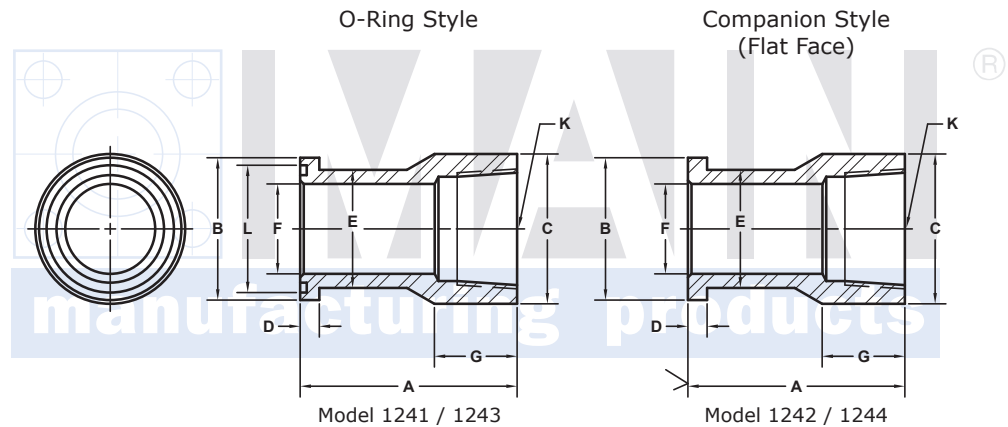
② 2500 PSI Max

③ 2000 PSI Max

NPTF THREADED FLANGED HEADS

61 SERIES														
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G		K	L	O-RING NO. ^①	WT
1/2	1/2	1241-08-08	2.62	1.188	1.31	.265	.92	.50	1.00		1/2	1.000	210	
		1242-08-08										---	---	
3/4	3/4	1241-12-12	2.75	1.500	1.62	.265	1.23	.75	1.00		3/4	1.250	214	
		1242-12-12										---	---	
1	1	1241-16-16	3.00	1.750	1.88	.315	1.48	1.00	1.25		1	1.562	219	
		1242-16-16										---	---	
1	1 1/4	1241-16-20	3.50	1.750	2.12	.315	1.48	1.00	1.38		1 1/4	1.562	219	
		1242-16-20										---	---	
1 1/4	1 1/4	1241-20-20	3.50	2.000	2.12	.315	1.69	1.25	1.38		1 1/4	1.750	222	
		1242-20-20										---	---	
1 1/4	1 1/2	1241-20-24	3.25	2.000	2.50	.315	1.69	1.25	1.31		1 1/2	1.750	222	
		1242-20-24										---	---	
1 1/2	1 1/2	1241-24-24	3.62	2.375	2.50	.315	1.97	1.50	1.38		1 1/2	2.125	225	
		1242-24-24										---	---	
1 1/2	2	1241-24-32	4.00	2.375	3.00	.315	1.97	1.50	1.38		2	2.125	225	
		1242-24-32										---	---	
2	2	1241-32-32	3.62	2.812	3.00	.375	2.44	1.94	1.38		2	2.500	228	
		1242-32-32										---	---	
2 1/2 ^②	2 1/2	1241-40-40	4.38	3.312	3.62	.375	2.89	2.44	1.75		2 1/2	3.000	232	
		1242-40-40										---	---	

MATERIAL:
Low Carbon Steel ^⑤



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

62 SERIES														
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G		K	L	O-RING NO. ^①	WT
1/2	1/2	1243-08-08	2.75	1.250	1.31	.305	.92	.50	1.06		1/2	1.000	210	
		1244-08-08										---	---	
3/4	3/4	1243-12-12	3.12	1.625	1.62	.345	1.23	.69	1.06		3/4	1.250	214	
		1244-12-12										---	---	
1	1	1243-16-16	3.62	1.875	2.00	.375	1.48	.88	1.25		1	1.562	219	
		1244-16-16										---	---	
1 1/4	1 1/4	1243-20-20	4.00	2.125	2.38	.405	1.69	1.19	1.31		1 1/4	1.750	222	
		1244-20-20										---	---	
1 1/4	1 1/2	1243-20-24	4.50	2.125	2.75	.405	1.69	1.19	1.38		1 1/2	1.750	222	
		1244-20-24										---	---	
1 1/2	1 1/2	1243-24-24	4.50	2.500	2.75	.495	1.97	1.38	1.38		1 1/2	2.125	225	
		1244-24-24										---	---	
1 1/2	2	1243-24-32	5.75	2.500	3.50	.495	1.97	1.38	1.38		2	2.125	225	
		1244-24-32										---	---	
2	2	1243-32-32	4.62	3.125	3.50	.495	2.60	1.75	1.38		2	2.500	228	
		1244-32-32										---	---	

① Order Separately

② 2500 PSI Max

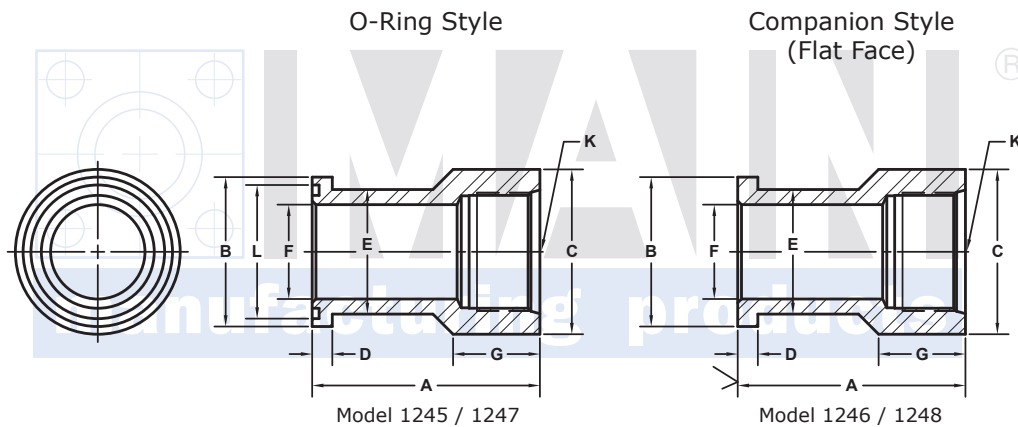
⑤ May Contain Lead

SAE J1926 THREADED FLANGED HEADS

61 SERIES

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	L	O-RING NO. ^①	WT
1/2	-8	1245-08-08	2.62	1.188	1.31	.265	.92	.50	1.00	3/4-16	1.000	210	
		1246-08-08									---	---	
3/4	-12	1245-12-12	3.00	1.500	1.75	.265	1.23	.75	1.12	1 1/16-12	1.250	214	
		1246-12-12									---	---	
1	-16	1245-16-16	3.00	1.750	2.00	.315	1.48	1.00	1.12	1 5/16-12	1.562	219	
		1246-16-16									---	---	
1	-20	1245-16-20	3.50	1.750	2.38	.315	1.48	1.00	1.19	1 5/8-12	1.562	219	
		1246-16-20									---	---	
1 1/4	-20	1245-20-20	3.50	2.000	2.38	.315	1.69	1.25	1.19	1 5/8-12	1.750	222	
		1246-20-20									---	---	
1 1/4	-24	1245-20-24	3.62	2.000	2.62	.315	1.69	1.25	1.38	1 7/8-12	1.750	222	
		1246-20-24									---	---	
1 1/2	-24	1245-24-24	3.62	2.375	2.62	.315	1.97	1.50	1.38	1 7/8-12	2.125	225	
		1246-24-24									---	---	
1 1/2	-32	1245-24-32	4.00	2.375	3.50	.315	1.97	1.50	1.12	2 1/2-12	2.125	225	
		1246-24-32									---	---	
2	-32	1245-32-32	4.00	2.812	3.50	.375	2.44	1.94	1.12	2 1/2-12	2.500	228	
		1246-32-32									---	---	
2 1/2 ^②	-32	1245-40-32	4.00	3.312	3.50	.375	2.89	1.94	1.44	2 1/2-12	3.000	232	
		1246-40-32									---	---	

MATERIAL:
Low Carbon Steel ^⑤



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

62 SERIES

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	L	O-RING NO. ^①	WT
1/2	-8	1247-08-08	2.75	1.250	1.31	.305	.92	.50	1.06	3/4-16	1.000	210	
		1248-08-08									---	---	
3/4	-12	1247-12-12	3.25	1.625	1.75	.345	1.23	.69	1.31	1 1/16-12	1.250	214	
		1248-12-12									---	---	
1	-16	1247-16-16	3.62	1.875	2.00	.375	1.48	.88	1.25	1 5/16-12	1.562	219	
		1248-16-16									---	---	
1	-20	1247-16-20	4.00	1.875	2.38	.375	1.48	.88	1.31	1 5/8-12	1.562	219	
		1248-16-20									---	---	
1 1/4	-20	1247-20-20	4.00	2.125	2.38	.405	1.69	1.19	1.31	1 5/8-12	1.750	222	
		1248-20-20									---	---	
1 1/2	-24	1247-24-24	4.50	2.500	2.75	.495	1.97	1.38	1.38	1 7/8-12	2.125	225	
		1248-24-24									---	---	
1 1/2	-32	1247-24-32	5.00	2.500	3.50	.495	1.97	1.38	1.38	2 1/2-12	2.125	225	
		1248-24-32									---	---	
2	-32	1247-32-32	4.62	3.125	3.50	.495	2.60	1.75	1.38	2 1/2-12	2.500	228	
		1248-32-32									---	---	

① Order Separately

② 2500 PSI Max

⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

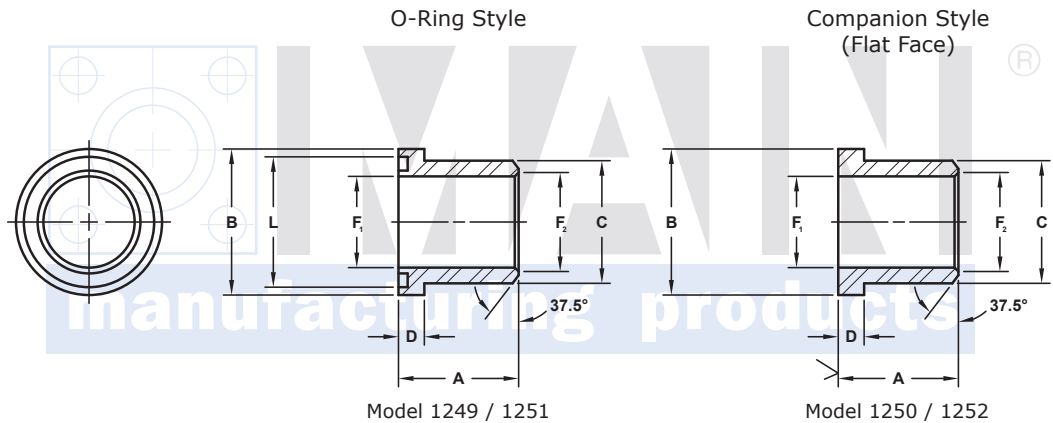
BUTT WELD FLANGED HEADS

For Schedule 40 Pipe ®

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	F ₁	F ₂	L	O-RING NO. ①	WT
1/2	1/2	1249-08-08	1.25	1.188	.92	.265	.53	.62	1.000	210	.2
		1250-08-08							---	---	
3/4	3/4	1249-12-12	1.44	1.500	1.23	.265	.75	.82	1.250	214	.3
		1250-12-12							---	---	
1	1	1249-16-16	1.44	1.750	1.48	.315	.94	1.05	1.562	219	.4
		1250-16-16							---	---	
1 1/4	1 1/4	1249-20-20	1.44	2.000	1.69	.315	1.25	1.38	1.750	222	.5
		1250-20-20							---	---	
1 1/2	1 1/2	1249-24-24	1.50	2.375	1.97	.315	1.50	1.61	2.125	225	.6
		1250-24-24							---	---	
2	2	1249-32-32	1.50	2.812	2.44	.375	1.94	2.06	2.500	228	.8
		1250-32-32							---	---	
2 1/2	2 1/2	1249-40-40	2.00	3.312	2.89	.375	2.47	2.47	3.000	232	1.2
		1250-40-40							---	---	
3	3	1249-48-48	2.12	4.000	3.53	.375	2.90	3.06	3.625	237	2.1
		1250-48-48							---	---	
3 1/2	3 1/2	1249-56-56	1.62	4.500	3.98	.442	3.36	3.54	4.109	241	2.0
		1250-56-56							---	---	
4	4	1249-64-64	1.88	5.000	4.48	.442	3.83	4.02	4.609	245	2.6
		1250-64-64							---	---	

MATERIAL:
Low Carbon Steel



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

62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	F ₁	F ₂	L	O-RING NO. ①	WT
1/2	1/2	1251-08-08	1.38	1.250	.92	.305	.53	.62	1.000	210	.2
		1252-08-08							---	---	
3/4	3/4	1251-12-12	1.62	1.625	1.23	.345	.75	.82	1.250	214	.4
		1252-12-12							---	---	
1	1	1251-16-16	1.88	1.875	1.48	.375	.94	1.05	1.562	219	.6
		1252-16-16							---	---	
1 1/4	1 1/4	1251-20-20	2.00	2.125	1.69	.405	1.25	1.38	1.750	222	.7
		1252-20-20							---	---	
1 1/2	1 1/2	1251-24-24	2.25	2.500	1.97	.495	1.50	1.61	2.125	225	1.1
		1252-24-24							---	---	
2	2	1251-32-32	2.56	3.125	2.60	.495	1.94	2.06	2.500	228	1.9
		1252-32-32							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

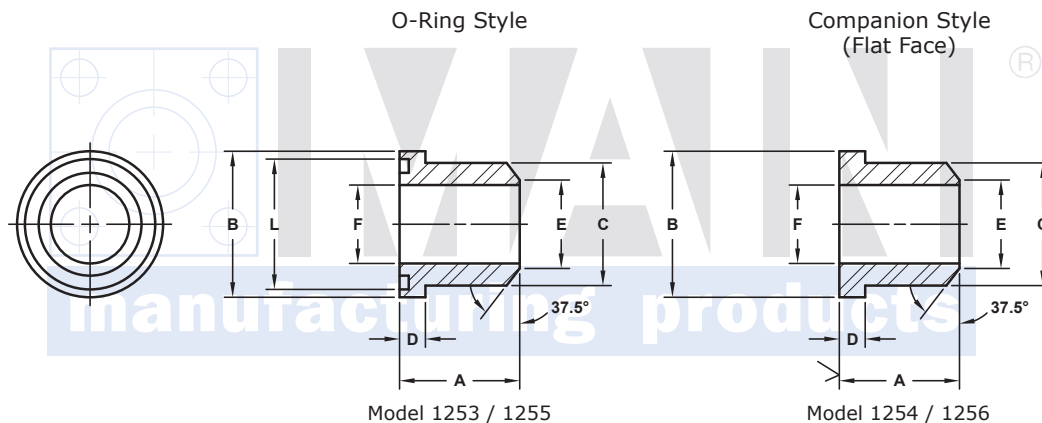
BUTT WELD FLANGED HEADS

For Schedule 80 Pipe ®

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1253-08-08	1.25	1.188	.92	.265	.65	.53	1.000	210	.2
		1254-08-08							---	---	
3/4	3/4	1253-12-12	1.44	1.500	1.23	.265	.88	.75	1.250	214	.3
		1254-12-12							---	---	
1	1	1253-16-16	1.44	1.750	1.48	.315	1.06	1.00	1.562	219	.4
		1254-16-16							---	---	
1 1/4	1 1/4	1253-20-20	1.44	2.000	1.69	.315	1.38	1.25	1.750	222	.5
		1254-20-20							---	---	
1 1/2	1 1/2	1253-24-24	1.50	2.375	1.97	.315	1.62	1.50	2.125	225	.6
		1254-24-24							---	---	
2	2	1253-32-32	1.50	2.812	2.44	.375	2.06	1.94	2.500	228	.8
		1254-32-32							---	---	
2 1/2	2 1/2	1253-40-40	2.00	3.312	2.89	.375	2.44	2.32	3.000	232	1.4
		1254-40-40							---	---	
3	3	1253-48-48	2.12	4.000	3.53	.375	3.02	2.90	3.625	237	2.1
		1254-48-48							---	---	
3 1/2	3 1/2	1253-56-56	1.62	4.500	3.98	.442	3.48	3.36	4.109	241	1.9
		1254-56-56							---	---	
4	4	1253-64-64	1.88	5.000	4.48	.442	3.95	3.83	4.609	245	2.6
		1254-64-64							---	---	

MATERIAL:
Low Carbon Steel



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

62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1255-08-08	1.38	1.250	.92	.305	.65	.53	1.000	210	.2
		1256-08-08							---	---	
3/4	3/4	1255-12-12	1.62	1.625	1.23	.345	.88	.75	1.250	214	.4
		1256-12-12							---	---	
1	1	1255-16-16	1.88	1.875	1.48	.375	1.06	.94	1.562	219	.6
		1256-16-16							---	---	
1 1/4	1 1/4	1255-20-20	2.00	2.125	1.69	.405	1.38	1.25	1.750	222	.7
		1256-20-20							---	---	
1 1/2	1 1/2	1255-24-24	2.25	2.500	1.97	.495	1.62	1.50	2.125	225	1.1
		1256-24-24							---	---	
2	2	1255-32-32	2.56	3.125	2.60	.495	2.06	1.94	2.500	228	1.9
		1256-32-32							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

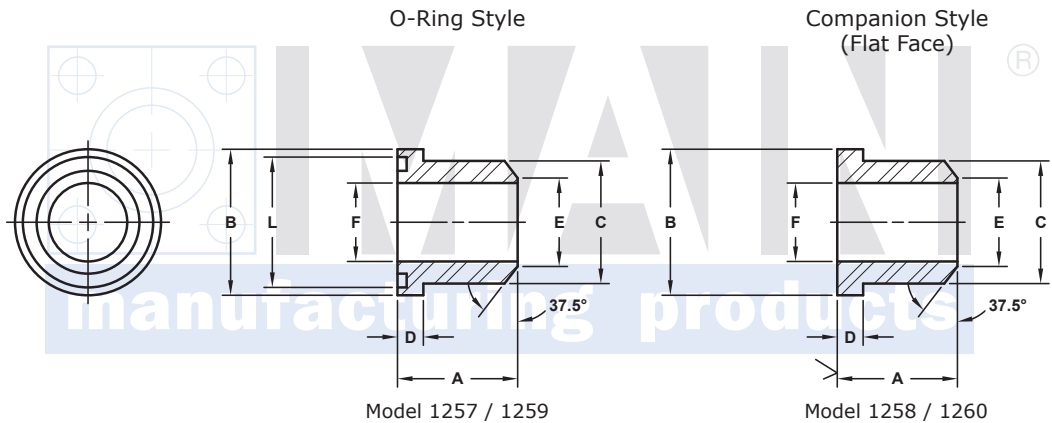
BUTT WELD FLANGED HEADS

For Schedule 160 Pipe ⑥

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1257-08-08	1.25	1.188	.92	.265	.59	.47	1.000	210	.2
		1258-08-08							---	---	
3/4	3/4	1257-12-12	1.44	1.500	1.23	.265	.73	.61	1.250	214	.4
		1258-12-12							---	---	
1	1	1257-16-16	1.44	1.750	1.48	.315	.93	.81	1.562	219	.5
		1258-16-16							---	---	
1 1/4	1 1/4	1257-20-20	1.44	2.000	1.69	.315	1.28	1.16	1.750	222	.6
		1258-20-20							---	---	
1 1/2	1 1/2	1257-24-24	1.50	2.375	1.97	.315	1.46	1.34	2.125	225	.7
		1258-24-24							---	---	
2	2	1257-32-32	1.50	2.812	2.44	.375	1.81	1.69	2.500	228	1.1
		1258-32-32							---	---	
2 1/2	2 1/2	1257-40-40	2.00	3.312	2.89	.375	2.24	2.12	3.000	232	1.8
		1258-40-40							---	---	
3	3	1257-48-48	2.12	4.000	3.53	.375	2.75	2.62	3.625	237	2.7
		1258-48-48							---	---	
3 1/2	3 1/2	1257-56-56	1.62	4.500	3.98	.442	3.12	3.00	4.109	241	2.6
		1258-56-56							---	---	
4	4	1257-64-64	1.88	5.000	4.48	.442	3.56	3.44	4.609	245	3.6
		1258-64-64							---	---	

MATERIAL:
Low Carbon Steel



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

62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1259-08-08	1.38	1.250	.92	.305	.59	.47	1.000	210	.2
		1260-08-08							---	---	
3/4	3/4	1259-12-12	1.62	1.625	1.23	.345	.73	.61	1.250	214	.5
		1260-12-12							---	---	
1	1	1259-16-16	1.88	1.875	1.48	.375	.93	.81	1.562	219	.7
		1260-16-16							---	---	
1 1/4	1 1/4	1259-20-20	2.00	2.125	1.69	.405	1.28	1.16	1.750	222	.8
		1260-20-20							---	---	
1 1/2	1 1/2	1259-24-24	2.25	2.500	1.97	.495	1.46	1.34	2.125	225	1.2
		1260-24-24							---	---	
2	2	1259-32-32	2.56	3.125	2.60	.495	1.81	1.69	2.500	228	2.4
		1260-32-32							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

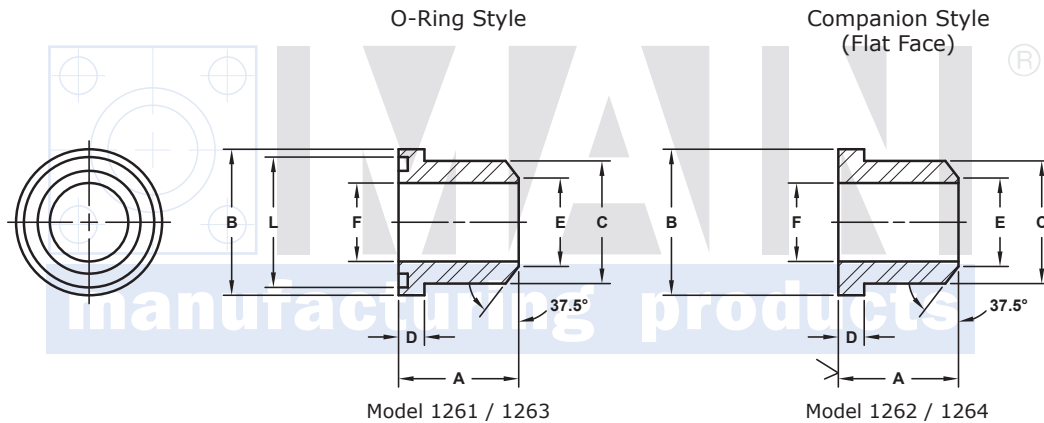
BUTT WELD FLANGED HEADS

For Schedule XXS Pipe ⑥

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1261-08-08	1.25	1.188	.92	.265	.38	.25	1.000	210	.2
		1262-08-08							---	---	
3/4	3/4	1261-12-12	1.44	1.500	1.23	.265	.56	.44	1.250	214	.4
		1262-12-12							---	---	
1	1	1261-16-16	1.44	1.750	1.48	.315	.71	.59	1.562	219	.6
		1262-16-16							---	---	
1 1/4	1 1/4	1261-20-20	1.44	2.000	1.69	.315	1.01	.89	1.750	222	.7
		1262-20-20							---	---	
1 1/2	1 1/2	1261-24-24	1.50	2.375	1.97	.315	1.22	1.10	2.125	225	.9
		1262-24-24							---	---	
2	2	1261-32-32	1.50	2.812	2.44	.375	1.62	1.50	2.500	228	1.2
		1262-32-32							---	---	
2 1/2	2 1/2	1261-40-40	2.00	3.312	2.89	.375	1.89	1.77	3.000	232	2.3
		1262-40-40							---	---	
3	3	1261-48-48	2.12	4.000	3.53	.375	2.42	2.30	3.625	237	3.3
		1262-48-48							---	---	
3 1/2	3 1/2	1261-56-56	1.62	4.500	3.98	.442	2.84	2.72	4.109	241	3.0
		1262-56-56							---	---	
4	4	1261-64-64	1.88	5.000	4.48	.442	3.25	3.12	4.609	245	4.2
		1262-64-64							---	---	

MATERIAL:
Low Carbon Steel



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

62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
1/2	1/2	1263-08-08	1.38	1.250	.92	.305	.38	.25	1.000	210	.3
		1264-08-08							---	---	
3/4	3/4	1263-12-12	1.62	1.625	1.23	.345	.56	.44	1.250	214	.5
		1264-12-12							---	---	
1	1	1263-16-16	1.88	1.875	1.48	.375	.71	.59	1.562	219	.8
		1264-16-16							---	---	
1 1/4	1 1/4	1263-20-20	2.00	2.125	1.69	.405	1.01	.89	1.750	222	1.0
		1264-20-20							---	---	
1 1/2	1 1/2	1263-24-24	2.25	2.500	1.97	.495	1.22	1.10	2.125	225	1.5
		1264-24-24							---	---	
2	2	1263-32-32	2.56	3.125	2.60	.495	1.62	1.50	2.500	228	2.7
		1264-32-32							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

SQUARE IN-LINE FLANGES

NOTES CONCERNING SQUARE FLANGES

***Please be sure your bolt pattern matches.**

(+/- .010"). There are dozens of similar square bolt patterns besides the pages shown here.

***Other connections are stocked or available.**

Socket Weld Tube, Butt Welds, SAE O-Ring Boss, ISO 6149, BSPP, BSPT, and more are ready to ship.

***Other geometries are stocked or available.**

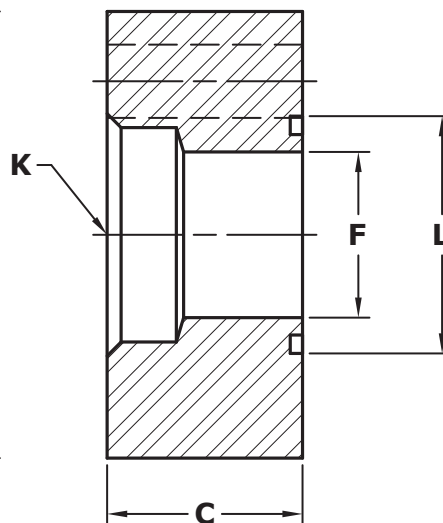
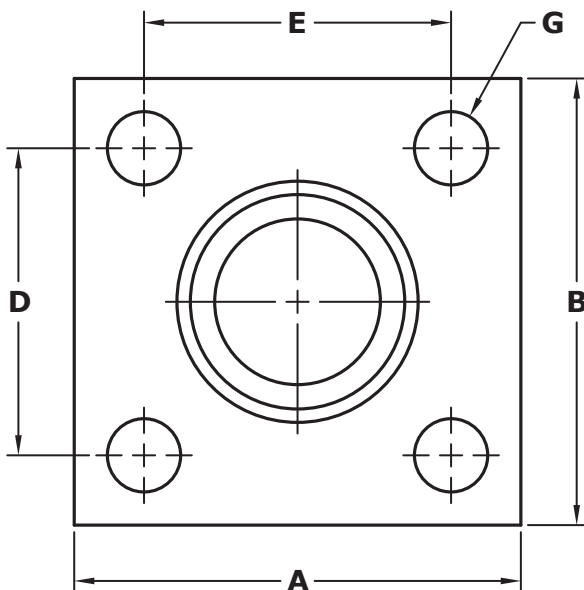
In-Line, Elbows, Tees, Crosses, etc.

***Please fill out the generic drawing below & fax to:**

MAIN at **810-953-1385** or call **800-521-7918**

if the pattern/style you need is not shown.

***MAIN's web site, MAINmfg.com**
offers more choices as well.



Dimensions

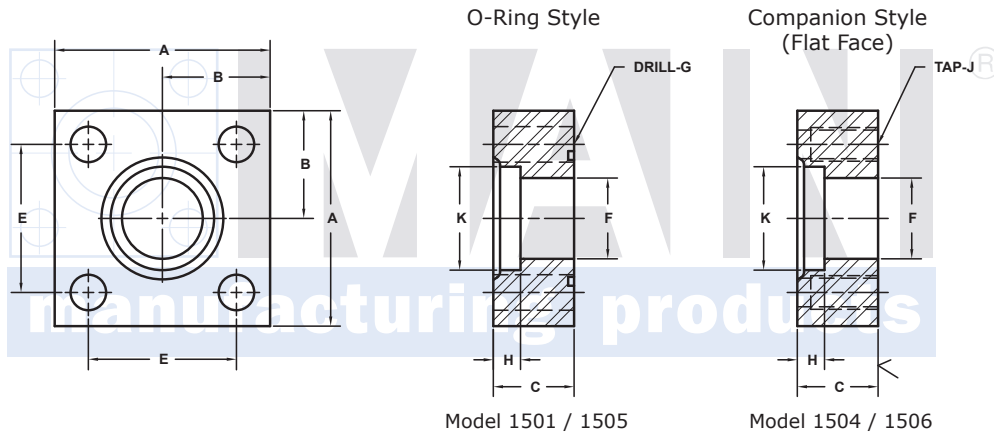
A-	_____
B-	_____
C-	_____
D-	_____
E-	_____
F-	_____
G-	_____
K-	_____
L-	_____

For your convenience, copy the above drawing and fill in the dimensions. Please indicate whether the bolt holes are clearance holes (CBH) or are tapped (TBH). If the flange is flat-faced use the word "none" for the O-ring groove diameter (Dim 'L'). For 'K' note size (1 1/2") and type (SWP, SWT, NPTF, ORB, BW (schedule), etc.) of connection. When you are finished, **fax the drawing to 810-953-1385** and **MAIN** will get back to you with a part number and price.

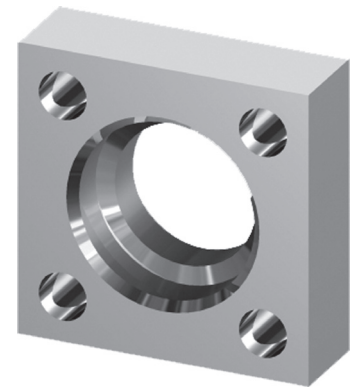
SOCKET WELD PIPE IN-LINE FLANGES

For JIS O-Ring and JIS Pipe ®

JIS B 2291 BOLT PATTERN (210K)										TYPE SHA & SHB (TAPPED)					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm	H	K	MOUNTING KIT®			WT
									Jmm			PART NO.	SCREW SIZE	O-RING	
15	15	1501-08-08M	2.50	1.25	.87	40.0	1.574	.63	11.0	.43	.874	MKM 4771	M10 x 40	G25	1.3
		1504-08-08M							M10x1.5			-----	-----	---	
20	20	1501-12-12M	2.75	1.38	.87	45.0	1.772	.81	11.0	.47	1.091	MKM 4772	M10 x 40	G30	1.5
		1504-12-12M							M10x1.5			-----	-----	---	
25	25	1501-16-16M	3.25	1.62	1.10	53.0	2.086	.98	13.0	.55	1.358	MKM 4773	M12 x 50	G35	2.5
		1504-16-16M							M12x1.75			-----	-----	---	
32	32	1501-20-20M	3.50	1.75	1.10	63.0	2.480	1.24	13.0	.63	1.701	MKM 4774	M12 x 50	G40	2.9
		1504-20-20M							M12x1.75			-----	-----	---	
40	40	1501-24-24M	4.00	2.00	1.38	70.0	2.756	1.48	18.0	.71	1.933	MK 4775	M16 x 60	G50	4.7
		1504-24-24M							M16x2			-----	-----	---	
50	50	1501-32-32M	4.50	2.25	1.38	80.0	3.150	1.87	18.0	.79	2.406	MKM 4776	M16 x 60	G60	5.7
		1504-32-32M							M16x2			-----	-----	---	
65	65	1501-40-40M	5.50	2.75	1.75	100.0	3.937	2.36	22.0	.86	3.035	MKM 4777	M20 x 75	G75	10.4
		1504-40-40M							M20x2.5			-----	-----	---	
80	80	1501-48-48M	6.25	3.12	1.75	112.0	4.409	2.80	24.0	.98	3.543	MKM 4778	M22 x 80	G85	13.0
		1504-48-48M							M22x2.5			-----	-----	---	



MATERIAL:
Low Carbon Steel



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

JIS B 2291 BOLT PATTERN (210K)										TYPE SSA & SSB					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm	H	K	MOUNTING KIT ^①			WT
									Jmm			PART NO.	SCREW SIZE	O-RING	
15	15	1505-08-08M	2.25	1.12	.87	36.0	1.417	.63	11.0	.43	.874	MKM 4571	M10 x 40	G25	1.0
		1506-08-08M							M10x1.5			-----	-----	---	
20	20	1505-12-12M	2.25	1.12	.87	40.0	1.574	.81	11.0	.47	1.091	MKM 4572	M10 x 40	G30	.9
		1506-12-12M							M10x1.5			-----	-----	---	
25	25	1505-16-16M	2.75	1.38	1.10	48.0	1.890	.98	13.0	.55	1.358	MKM 4573	M12 x 50	G35	1.7
		1506-16-16M							M12x1.75			-----	-----	---	
32	32	1505-20-20M	3.00	1.50	1.10	56.0	2.205	1.24	13.0	.63	1.701	MKM 4574	M12 x 50	G40	1.4
		1506-20-20M							M12x1.75			-----	-----	---	
40	40	1505-24-24M	3.75	1.88	1.38	65.0	2.559	1.48	18.0	.71	1.933	MKM 4575	M16 x 60	G50	3.9
		1506-24-24M							M16x2			-----	-----	---	
50	50	1505-32-32M	4.00	2.00	1.38	73.0	2.874	1.87	18.0	.79	2.406	MKM 4576	M16 x 60	G60	4.3
		1506-32-32M							M16x2			-----	-----	---	
65	65	1505-40-40M	5.00	2.50	1.75	92.0	3.622	2.36	22.0	.86	3.035	MKM 4577	M20 x 75	G75	8.6
		1506-40-40M							M20x2.5			-----	-----	---	
80	80	1505-48-48M	5.50	2.75	1.75	103.0	4.055	2.80	24.0	.98	3.543	MKM 4578	M22 x 80	G85	9.5
		1506-48-48M							M22x2.5			-----	-----	---	

① Order Separately

® Also Available for JIS O-Ring and American Pipe or American O-Ring and American Pipe

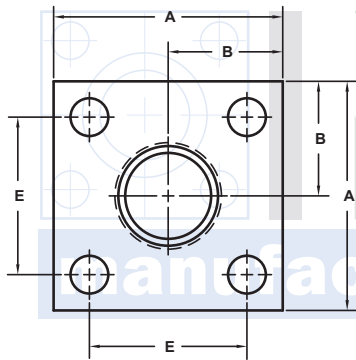
NOTE: Dimensions are in Inches Unless Otherwise Noted.

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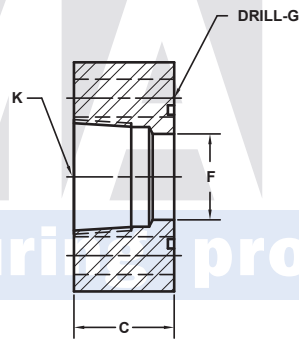
NPTF THREADED IN-LINE FLANGES

JIS B 2291 BOLT PATTERN (210K)									TYPE SH(A & B)					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm	K NPTF	MOUNTING KIT①			WT
									Jmm		PART NO.	SCREW SIZE	O-RING	
15	1½	1507-08-08M	2.50	1.25	1.25	40.0	1.574	.63	11.0	1/2	MKM 5507	M10 x 50	G25	1.9
		1508-08-08M							M10x1.5		-----	-----	---	
20	¾	1507-12-12M	2.75	1.38	1.25	45.0	1.772	.75	11.0	3/4	MKM 5508	M10 x 50	G30	2.3
		1508-12-12M							M10x1.5		-----	-----	---	
25	1	1507-16-16M	3.25	1.62	1.50	53.0	2.086	1.00	13.0	1	MKM 4588	M12 x 60	G35	3.8
		1508-16-16M							M12x1.75		-----	-----	---	
32	1¼	1507-20-20M	3.50	1.75	1.50	63.0	2.480	1.25	13.0	1 1/4	MKM 4589	M12 x 60	G40	4.2
		1508-20-20M							M12x1.75		-----	-----	---	
40	1½	1507-24-24M	4.00	2.00	1.75	70.0	2.756	1.50	18.0	1 1/2	MKM 5509	M16 x 70	G50	6.1
		1508-24-24M							M16x2		-----	-----	---	
50	2	1507-32-32M	4.50	2.25	1.75	80.0	3.150	1.94	18.0	2	MKM 5521	M16 x 70	G60	7.3
		1508-32-32M							M16x2		-----	-----	---	
65	2½	1507-40-40M	5.50	2.75	2.00	100.0	3.937	2.44	22.0	2 1/2	MKM 4592	M20 x 80	G75	12.8
		1508-40-40M							M20x2.5		-----	-----	---	
80	3	1507-48-48M	6.25	3.12	2.25	112.0	4.409	2.80	24.0	3	MKM 4593	M22 x 90	G85	17.9
		1508-48-48M							M22x2.5		-----	-----	---	

MATERIAL:
Low Carbon Steel^⑤

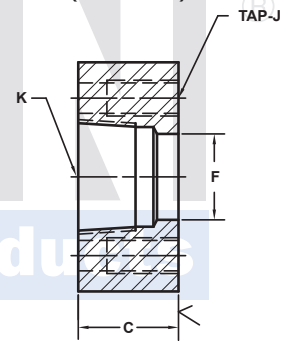


O-Ring Style



Model 1507 / 1509

Companion Style
(Flat Face)



Model 1508 / 1510

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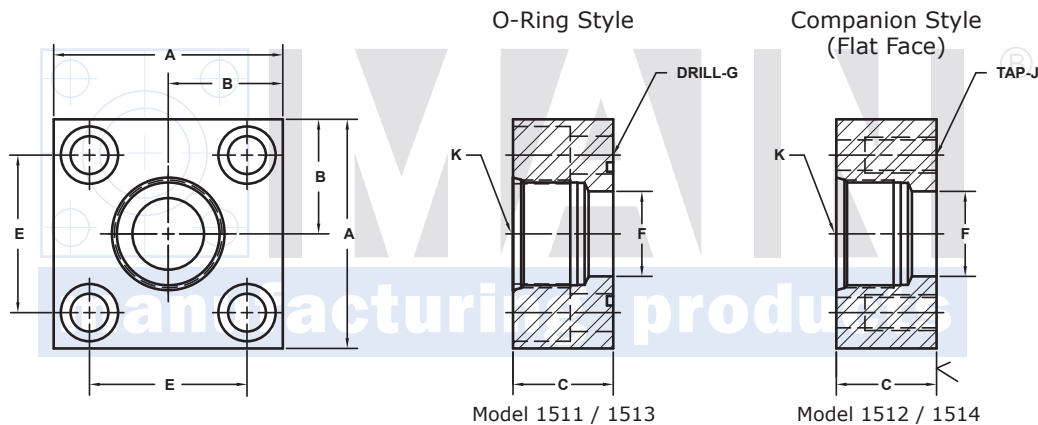
JIS B 2291 BOLT PATTERN (210K)									TYPE SS(A & B)					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm	K NPTF	MOUNTING KIT①			WT
									Jmm		PART NO.	SCREW SIZE	O-RING	
15	1½	1509-08-08M	2.25	1.12	1.25	36.0	1.417	.63	11.0	1/2	MKM 5507	M10 x 50	G25	1.4
		1510-08-08M							M10x1.5		-----	-----	---	
20	¾	1509-12-12M	2.25	1.12	1.25	40.0	1.574	.75	11.0	3/4	MKM 5508	M10 x 50	G30	1.4
		1510-12-12M							M10x1.5		-----	-----	---	
25	1	1509-16-16M	2.75	1.38	1.50	48.0	1.890	1.00	13.0	1	MKM 4588	M12 x 60	G35	2.5
		1510-16-16M							M12x1.75		-----	-----	---	
32	1¼	1509-20-20M	3.00	1.50	1.50	56.0	2.205	1.25	13.0	1 1/4	MKM 4589	M12 x 60	G40	2.7
		1510-20-20M							M12x1.75		-----	-----	---	
40	1½	1509-24-24M	3.75	1.88	1.75	65.0	2.559	1.50	18.0	1 1/2	MKM 5509	M16 x 70	G50	5.3
		1510-24-24M							M16x2		-----	-----	---	
50	2	1509-32-32M	4.00	2.00	1.75	73.0	2.874	1.94	18.0	2	MKM 5521	M16 x 70	G60	5.6
		1510-32-32M							M16x2		-----	-----	---	
65	2½	1509-40-40M	5.00	2.50	2.00	92.0	3.622	2.44	22.0	2 1/2	MKM 4592	M20 x 80	G75	9.8
		1510-40-40M							M20x2.5		-----	-----	---	
80	3	1509-48-48M	5.50	2.75	2.25	103.0	4.055	2.80	24.0	3	MKM 4593	M22 x 90	G85	12.6
		1510-48-48M							M22x2.5		-----	-----	---	

① Order Separately

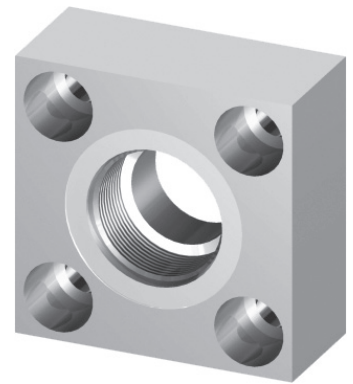
⑤ May Contain Lead

SAE J1926 THREADED IN-LINE FLANGES

JIS B 2291 BOLT PATTERN (210K)										TYPE SH(A & B)				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	Emm	E	F	Gmm	K	MOUNTING KIT ^①			WT
									Jmm		PART NO.	SCREW SIZE	O-RING	
15	-8	1511-08-08M	2.50	1.25	1.25	40.0	1.574	.63	11.0	3/4-16	MKM 4586	M10 x 35	G25	1.9
		1512-08-08M							M10x1.5		-----	-----	---	
20	-10	1511-12-10M	2.75	1.38	1.50	45.0	1.772	.50	11.0	7/8-14	MKM 5505	M10 x 40	G30	2.4
		1512-12-10M							M10x1.5		-----	-----	---	
20	-12	1511-12-12M	2.75	1.38	1.50	45.0	1.772	.75	11.0	1 1/16-12	MKM 5505	M10 x 40	G30	2.3
		1512-12-12M							M10x1.5		-----	-----	---	
25	-14	1511-16-14M	3.25	1.62	1.50	53.0	2.086	.75	13.0	1 3/16-12	MKM 5506	M12 x 40	G35	3.8
		1512-16-14M							M12x1.75		-----	-----	---	
25	-16	1511-16-16M	3.25	1.62	1.50	53.0	2.086	1.00	13.0	1 5/16-12	MKM 5506	M12 x 40	G35	3.6
		1512-16-16M							M12x1.75		-----	-----	---	
32	-20	1511-20-20M	3.50	1.75	1.50	63.0	2.480	1.25	13.0	1 5/8-12	MKM 5526	M12 x 40	G40	4.5
		1512-20-20M							M12x1.75		-----	-----	---	
40	-24	1511-24-24M	4.00	2.00	1.75	70.0	2.756	1.50	18.0	1 7/8-12	MKM 4590	M16 x 45	G50	6.1
		1512-24-24M							M16x2		-----	-----	---	
50	-32	1511-32-32M	4.50	2.25	1.75	80.0	3.150	1.94	18.0	2 1/2-12	MKM 4591	M16 x 45	G60	7.3
		1512-32-32M							M16x2		-----	-----	---	



MATERIAL:
Low Carbon Steel^⑤



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

JIS B 2291 BOLT PATTERN (210K)										TYPE SS(A & B)				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	Emm	E	F	Gmm	K	MOUNTING KIT ^①			WT
									Jmm		PART NO.	SCREW SIZE	O-RING	
15	-8	1513-08-08M	2.25	1.12	1.25	36.0	1.417	.63	11.0	3/4-16	MKM 4586	M10 x 35	G25	1.4
		1514-08-08M							M10x1.5		-----	-----	---	
20	-10	1513-12-10M	2.50	1.25	1.50	40.0	1.574	.50	11.0	7/8-14	MKM 5505	M10 x 40	G30	2.0
		1514-12-10M							M10x1.5		-----	-----	---	
20	-12	1513-12-12M	2.50	1.25	1.50	40.0	1.574	.75	11.0	1 1/16-12	MKM 5505	M10 x 40	G30	1.9
		1514-12-12M							M10x1.5		-----	-----	---	
25	-14	1513-16-14M	3.00	1.50	1.50	48.0	1.890	.75	13.0	1 3/16-12	MKM 5506	M12 x 40	G35	2.7
		1514-16-14M							M12x1.75		-----	-----	---	
25	-16	1513-16-16M	3.00	1.50	1.50	48.0	1.890	1.00	13.0	1 5/16-12	MKM 5506	M12 x 40	G35	2.6
		1514-16-16M							M12x1.75		-----	-----	---	
32	-20	1513-20-20M	3.25	1.62	1.50	56.0	2.205	1.25	13.0	1 5/8-12	MKM 5526	M12 x 40	G40	3.0
		1514-20-20M							M12x1.75		-----	-----	---	
40	-24	1513-24-24M	3.75	1.88	1.75	65.0	2.559	1.50	18.0	1 7/8-12	MKM 4590	M16 x 45	G50	4.3
		1514-24-24M							M16x2		-----	-----	---	
50	-32	1513-32-32M	4.00	2.00	1.75	73.0	2.874	1.94	18.0	2 1/2-12	MKM 4591	M16 x 45	G60	4.5
		1514-32-32M							M16x2		-----	-----	---	

① Order Separately

⑤ May Contain Lead

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

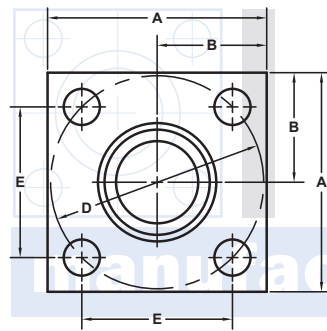
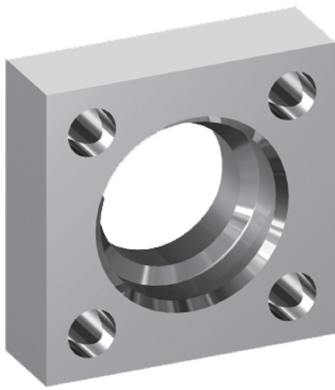
NOTE: Dimensions are in Inches Unless Otherwise Noted.

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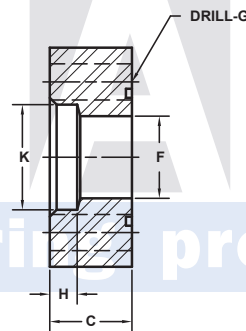
SOCKET WELD PIPE IN-LINE FLANGES

ISO 6164 BOLT PATTERN										250 BAR SERIES							WT																																												
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT®																																																	
									Jmm			PART NO.	SCREW SIZE	O-RING																																															
10	3/8	1631-06-06M	PLEASE USE THE 400 BAR SERIES FOUND BELOW. THE BLOCK SIZE, BOLT PATTERN AND THE O-RING ARE IDENTICAL IN FLANGE SIZES 10 - 38. IF YOU HAVE ANY QUESTIONS PLEASE CALL ENGINEERING AT 1-800-521-7918.																																																										
		1632-06-06M																																																											
13	1/2	1631-08-08M																																																											
		1632-08-08M																																																											
19	3/4	1631-12-12M																																																											
		1632-12-12M																																																											
25	1	1631-16-16M																																																											
		1632-16-16M																																																											
32	1 1/4	1631-20-20M																																																											
		1632-20-20M																																																											
38	1 1/2	1631-24-24M																																																											
		1632-24-24M																																																											
51	2	1631-32-32M	4.00	2.00	1.60	98	2.728	1.94	17.5	.62	2.411	MKM 3531	M16 x 65	228	4.9																																														
		1632-32-32M							M16x2			-----	-----	---																																															
56	2 1/2	1631-40-40M	4.75	2.38	1.88	118	3.285	2.44	22.0	.75	2.911	MKM 5573	M20 x 80	232	7.8																																														
		1632-40-40M							M20x2.5			-----	-----	---																																															
63	3	1631-48-48M	5.50	2.75	2.28	145	4.037	2.94	22.0	.75	3.540	MKM 5558	M20 x 90	237	12.8																																														
		1632-48-48M							M20x2.5			-----	-----	---																																															

MATERIAL:
Low Carbon Steel

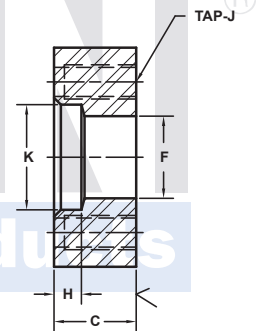


O-Ring Style



Model 1631 / 1635

Companion Style
(Flat Face)



Model 1632 / 1636

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

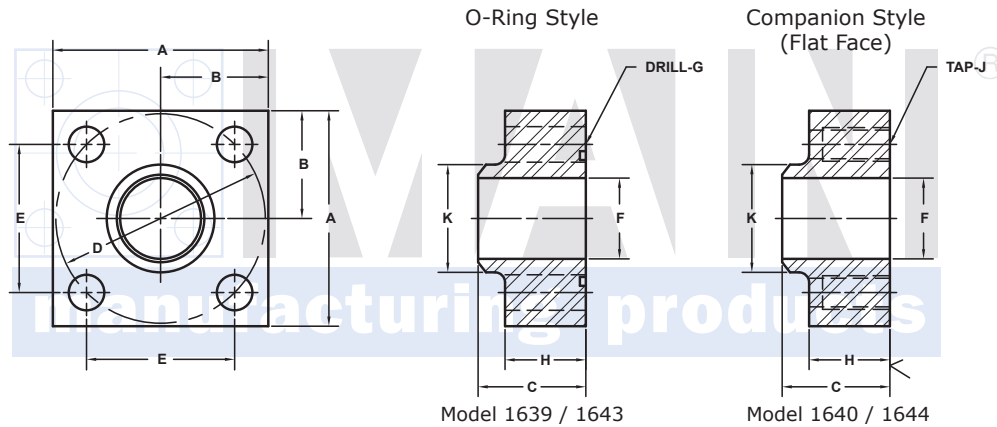
ISO 6164 BOLT PATTERN										400 BAR SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT®			WT	
									Jmm			PART NO.	SCREW SIZE	O-RING		
10	3/8	1635-06-06M	1.50	.75	.73	35	.974	.44	6.5	.38	.688	MKM 5546	M6 x 30	115	.4	
		1636-06-06M							M6x1			-----	-----	---		
13	1/2	1635-08-08M	1.75	.88	.81	42	1.170	.50	9.0	.50	.860	MKM 512	M8 x 35	210	.5	
		1636-08-08M							M8x1.25			-----	-----	---		
19	3/4	1635-12-12M	2.00	1.00	.90	50	1.392	.75	9.0	.50	1.070	MKM 5559	M8 x 35	214	.7	
		1636-12-12M							M8x1.25			-----	-----	---		
25	1	1635-16-16M	2.50	1.25	1.00	62	1.726	1.00	11.0	.50	1.335	MKM 503	M10 x 40	219	1.3	
		1636-16-16M							M10x1.5			-----	-----	---		
32	1 1/4	1635-20-20M	3.00	1.50	1.20	73	2.032	1.25	13.5	.50	1.680	MKM 1502	M12 x 50	222	2.2	
		1636-20-20M							M12x1.75			-----	-----	---		
38	1 1/2	1635-24-24M	3.50	1.75	1.44	85	2.366	1.50	17.5	.62	1.920	MKM 515	M16 x 60	225	3.4	
		1636-24-24M							M16x2			-----	-----	---		
51	2	1635-32-32M	4.00	2.00	1.60	98	2.728	1.69	17.5	.62	2.411	MKM 5560	M16 x 65	331	5.0	
		1636-32-32M							M16x2			-----	-----	---		
56	2 1/2	1635-40-40M	4.75	2.38	1.98	118	3.285	2.12	22.0	.75	2.911	MKM 5538	M20 x 80	335	8.5	
		1636-40-40M							M20x2.5			-----	-----	---		
63	3	1635-48-48M	6.00	3.00	2.12	145	4.037	2.32	26.0	.75	3.540	MKM 5561	M24 x 90	337	15.6	
		1636-48-48M							M24x3			-----	-----	---		
70	3 1/2	1635-56-56M	6.50	3.25	2.46	160	4.454	2.73	26.0	.75	4.045	MKM 5562	M24 x 100	340	21.3	
		1636-56-56M							M24x3			-----	-----	---		
80	4	1635-64-64M	7.00	3.50	2.85	175	4.872	3.15	33.0	.75	4.550	MKM 5563	M30 x 120	341	26.8	
		1636-64-64M							M30x3.5			-----	-----	---		

① Order Separately

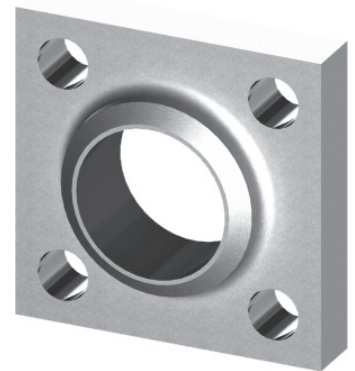
BUTT WELD IN-LINE FLANGES

For Schedule 80 Pipe ®

ISO 6164 BOLT PATTERN										250 BAR SERIES							WT
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT®					
									Jmm			PART NO.	SCREW SIZE	O-RING			
10	3/8	1639-06-06M	PLEASE USE THE 400 BAR SERIES FOUND BELOW. THE BLOCK SIZE, BOLT PATTERN AND THE O-RING ARE IDENTICAL IN FLANGE SIZES 10 - 38. IF YOU HAVE ANY QUESTIONS PLEASE CALL ENGINEERING AT 1-800-521-7918.														
		1640-06-06M															
13	1/2	1639-08-08M															
		1640-08-08M															
19	3/4	1639-12-12M															
		1640-12-12M															
25	1	1639-16-16M															
		1640-16-16M															
32	1 1/4	1639-20-20M															
		1640-20-20M															
38	1 1/2	1639-24-24M															
		1640-24-24M															
51	2	1639-32-32M	4.00	2.00	2.25	98	2.728	1.94	17.5	1.60	2.50	MKM 3531	M16 x 65	228	5.7		
		M16x2							-----			---					
56	2 1/2	1639-40-40M	4.75	2.38	2.50	118	3.285	2.32	22.0	1.88	3.00	MKM 5573	M20 x 80	232	9.0		
		M20x2.5							-----			---					
63	3	1639-48-48M	5.50	2.75	3.00	145	4.037	2.90	22.0	2.28	3.50	MKM 5558	M20 x 90	237	14.8		
		M20x2.5							-----			---					



MATERIAL:
Low Carbon Steel



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

ISO 6164 BOLT PATTERN										400 BAR SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT ^①			WT
									Jmm			PART NO.	SCREW SIZE	O-RING	
10	3/8	1643-06-06M	1.50	.75	1.00	35	.974	.42	6.5	.73	.68	MKM 5546	M6 x 30	115	.5
		M6x1							-----						
13	1/2	1643-08-08M	1.75	.88	1.12	42	1.170	.53	9.0	.81	.88	MKM 512	M8 x 35	210	.7
		M8x1.25							-----						
19	3/4	1643-12-12M	2.00	1.00	1.25	50	1.392	.75	9.0	.90	1.12	MKM 5559	M8 x 35	214	1.0
		M8x1.25							-----						
25	1	1643-16-16M	2.50	1.25	1.50	62	1.726	.94	11.0	1.00	1.38	MKM 503	M10 x 40	219	1.5
		M10x1.5							-----						
32	1 1/4	1643-20-20M	3.00	1.50	1.75	73	2.032	1.25	13.5	1.20	1.75	MKM 1502	M12 x 50	222	2.5
		M12x1.75							-----						
38	1 1/2	1643-24-24M	3.50	1.75	2.00	85	2.366	1.50	17.5	1.44	2.00	MKM 515	M16 x 60	225	4.0
		M16x2							-----						
51	2	1643-32-32M	4.00	2.00	2.25	98	2.728	1.94	17.5	1.60	2.50	MKM 5560	M16 x 65	331	5.7
		M16x2							-----						
56	2 1/2	1643-40-40M	4.75	2.38	2.75	118	3.285	2.32	22.0	1.98	3.00	MKM 5538	M20 x 80	335	9.5
		M20x2.5							-----						
63	3	1643-48-48M	6.00	3.00	3.00	145	4.037	2.62	26.0	2.12	3.50	MKM 5561	M24 x 90	337	17.2
		M24x3							-----						
70	3 1/2	1643-56-56M	6.50	3.25	3.50	160	4.454	2.73	26.0	2.46	4.00	MKM 5562	M24 x 100	340	25.0
		M24x3							-----						
80	4	1643-64-64M	7.00	3.50	4.00	175	4.872	3.15	33.0	2.85	4.50	MKM 5563	M30 x 120	341	31.5
		M30x3.5							-----						

① Order Separately

® Other Pipe and Tube Sizes are Available

NOTE: Dimensions are in Inches Unless Otherwise Noted.

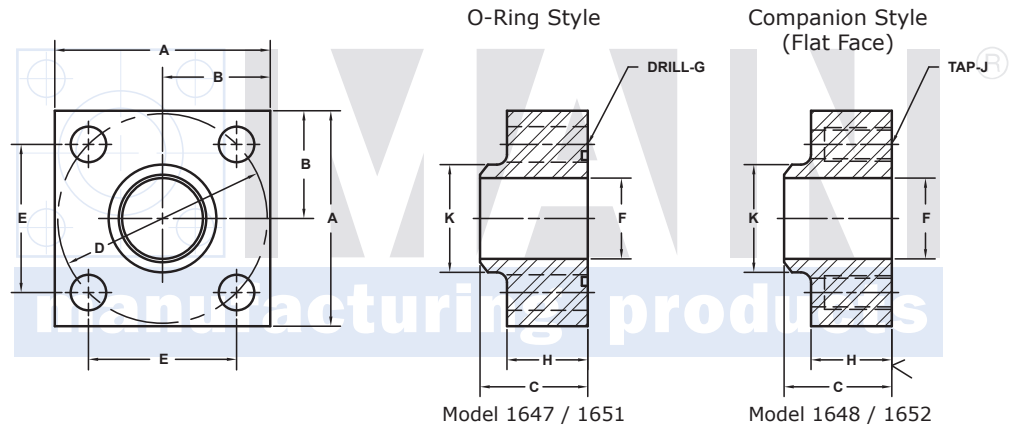
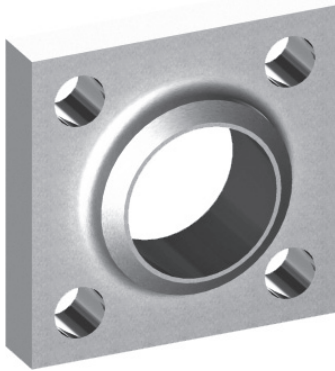
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BUTT WELD IN-LINE FLANGES

For Schedule 160 Pipe ⑥

ISO 6164 BOLT PATTERN										250 BAR SERIES						WT
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT①				
									Jmm			PART NO.	SCREW SIZE	O-RING		
13	1½	1647-08-08M	PLEASE USE THE 400 BAR SERIES FOUND BELOW. THE BLOCK SIZE, BOLT PATTERN AND THE O-RING ARE IDENTICAL IN FLANGE SIZES 13 - 38. IF YOU HAVE ANY QUESTIONS PLEASE CALL ENGINEERING AT 1-800-521-7918.													
		1648-08-08M														
19	¾	1647-12-12M														
		1648-12-12M														
25	1	1647-16-16M														
		1648-16-16M														
32	1¼	1647-20-20M														
		1648-20-20M														
38	1½	1647-24-24M														
		1648-24-24M														
51	2	1647-32-32M	4.00	2.00	2.25	98	2.728	1.69	17.5	1.60	2.50	MKM 3531	M16 x 65	228	6.0	
		M16x2							-----			---				
56	2½	1647-40-40M	4.75	2.38	2.50	118	3.285	2.12	22.0	1.88	3.00	MKM 5573	M20 x 80	232	9.4	
		M20x2.5							-----			---				
63	3	1647-48-48M	5.50	2.75	3.00	145	4.037	2.62	22.0	2.28	3.50	MKM 5558	M20 x 90	237	15.7	
		M20x2.5							-----			---				

MATERIAL:
Low Carbon Steel



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

ISO 6164 BOLT PATTERN										400 BAR SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT①			WT	
									Jmm			PART NO.	SCREW SIZE	O-RING		
13	½	1651-08-08M	1.75	.88	1.12	42	1.170	.47	9.0	.81	.88	MKM 512	M8 x 35	210	.7	
		1652-08-08M							M8x1.25			-----	-----	---		
19	¾	1651-12-12M	2.00	1.00	1.25	50	1.392	.61	9.0	.90	1.12	MKM 5559	M8 x 35	214	1.0	
		1652-12-12M							M8x1.25			-----	-----	---		
25	1	1651-16-16M	2.50	1.25	1.50	62	1.726	.81	11.0	1.00	1.38	MKM 503	M10 x 40	219	1.7	
		1652-16-16M							M10x1.5			-----	-----	---		
32	1¼	1651-20-20M	3.00	1.50	1.75	73	2.032	1.16	13.5	1.20	1.75	MKM 1502	M12 x 50	222	2.7	
		1652-20-20M							M12x1.75			-----	-----	---		
38	1½	1651-24-24M	3.50	1.75	2.00	85	2.366	1.34	17.5	1.44	2.00	MKM 515	M16 x 60	225	4.2	
		1652-24-24M							M16x2			-----	-----	---		
51	2	1651-32-32M	4.00	2.00	2.25	98	2.728	1.69	17.5	1.60	2.50	MKM 5560	M16 x 65	331	6.1	
		1652-32-32M							M16x2			-----	-----	---		
56	2½	1651-40-40M	4.75	2.38	2.75	118	3.285	2.12	22.0	1.98	3.00	MKM 5538	M20 x 80	335	10.1	
		1652-40-40M							M20x2.5			-----	-----	---		
63	3	1651-48-48M	6.00	3.00	3.00	145	4.037	2.62	26.0	2.12	3.50	MKM 5561	M24 x 90	337	17.5	
		1652-48-48M							M24x3			-----	-----	---		
70	3½	1651-56-56M	6.50	3.25	3.50	160	4.454	2.73	26.0	2.46	4.00	MKM 5562	M24 x 100	340	25.0	
		1652-56-56M							M24x3			-----	-----	---		
80	4	1651-64-64M	7.00	3.50	4.00	175	4.872	3.15	33.0	2.85	4.50	MKM 5563	M30 x 120	341	31.5	
		1652-64-64M							M30x3.5			-----	-----	---		

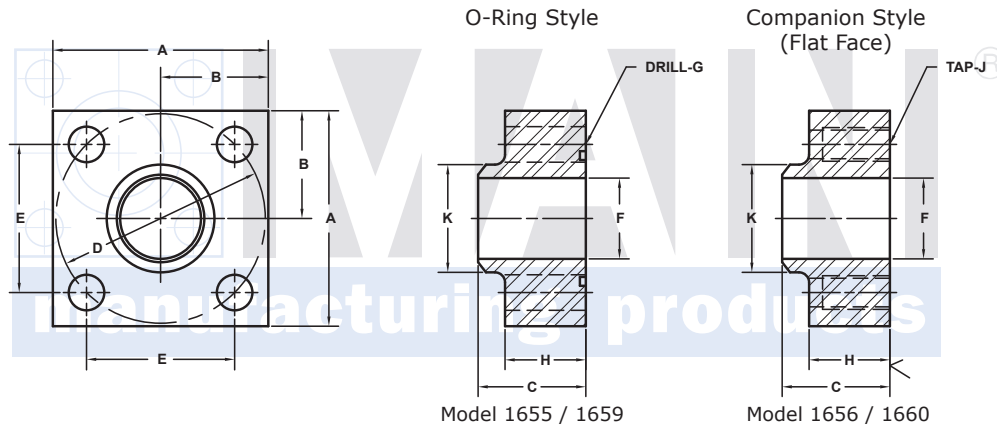
① Order Separately

⑥ Other Pipe and Tube Sizes are Available

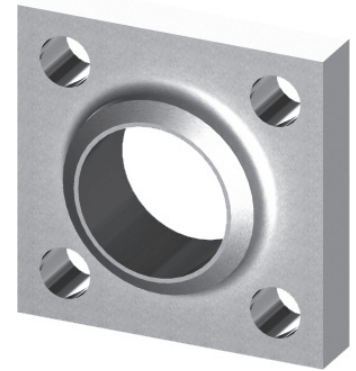
BUTT WELD IN-LINE FLANGES

For Schedule XXS Pipe ⑥

ISO 6164 BOLT PATTERN										250 BAR SERIES						WT								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT ^①												
									Jmm			PART NO.	SCREW SIZE	O-RING										
13	1½	1655-08-08M	PLEASE USE THE 400 BAR SERIES FOUND BELOW. THE BLOCK SIZE, BOLT PATTERN AND THE O-RING ARE IDENTICAL IN FLANGE SIZES 13 - 38. IF YOU HAVE ANY QUESTIONS PLEASE CALL ENGINEERING AT 1-800-521-7918.																					
		1656-08-08M																						
19	¾	1655-12-12M																						
		1656-12-12M																						
25	1	1655-16-16M																						
		1656-16-16M																						
32	1¼	1655-20-20M																						
		1656-20-20M																						
38	1½	1655-24-24M																						
		1656-24-24M																						
51	2	1655-32-32M	4.00	2.00	2.25	98	2.728	1.50	17.5	1.60	2.50	MKM 3531	M16 x 65	228	6.3									
		M16x2							-----			-----	---											
56	2½	1655-40-40M	4.75	2.38	2.50	118	3.285	1.77	22.0	1.88	3.00	MKM 5573	M20 x 80	232	10.0									
		M20x2.5							-----			-----	---											
63	3	1655-48-48M	5.50	2.75	3.00	145	4.037	2.30	22.0	2.28	3.50	MKM 5558	M20 x 90	237	16.5									
		M20x2.5							-----			-----	---											



MATERIAL:
Low Carbon Steel



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

ISO 6164 BOLT PATTERN										400 BAR SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm	H	K	MOUNTING KIT®			WT
									Jmm			PART NO.	SCREW SIZE	O-RING	
13	1/2	1659-08-08M	1.75	.88	1.25	42	1.170	.25	9.0	.81	.88	MKM 512	M8 x 35	210	.8
		M8x1.25							-----			-----	---		
19	3/4	1659-12-12M	2.00	1.00	1.38	50	1.392	.44	9.0	.90	1.12	MKM 5559	M8 x 35	214	1.1
		M8x1.25							-----			-----	---		
25	1	1659-16-16M	2.50	1.25	1.50	62	1.726	.60	11.0	1.00	1.38	MKM 503	M10 x 40	219	1.8
		M10x1.5							-----			-----	---		
32	1 1/4	1659-20-20M	3.00	1.50	1.75	73	2.032	.89	13.5	1.20	1.75	MKM 1502	M12 x 50	222	2.8
		M12x1.75							-----			-----	---		
38	1 1/2	1659-24-24M	3.50	1.75	2.00	85	2.366	1.10	17.5	1.44	2.00	MKM 515	M16 x 60	225	4.4
		M16x2							-----			-----	---		
51	2	1659-32-32M	4.00	2.00	2.25	98	2.728	1.50	17.5	1.60	2.50	MKM 5560	M16 x 65	331	6.3
		M16x2							-----			-----	---		
56	2 1/2	1659-40-40M	4.75	2.38	2.75	118	3.285	1.77	22.0	1.98	3.00	MKM 5538	M20 x 80	335	10.8
		M20x2.5							-----			-----	---		
63	3	1659-48-48M	6.00	3.00	3.00	145	4.037	2.30	26.0	2.12	3.50	MKM 5561	M24 x 90	337	18.3
		M24x3							-----			-----	---		
70	3 1/2	1659-56-56M	6.50	3.25	3.50	160	4.454	2.73	26.0	2.46	4.00	MKM 5562	M24 x 100	340	25.0
		M24x3							-----			-----	---		
80	4	1659-64-64M	7.00	3.50	4.00	175	4.872	3.15	33.0	2.85	4.50	MKM 5563	M30 x 120	341	31.5
		M30x3.5							-----			-----	---		

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

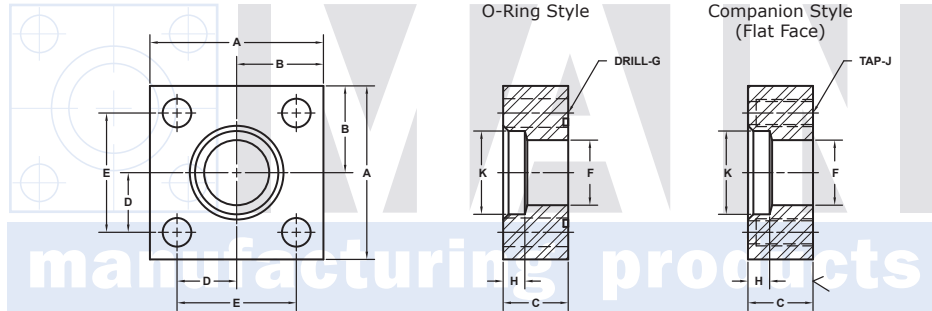
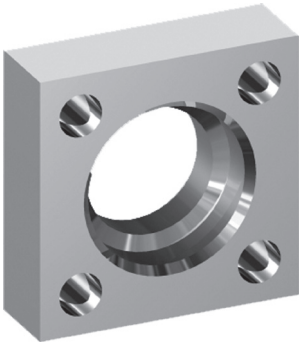
NOTE: Dimensions are in Inches Unless Otherwise Noted.

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SOCKET WELD PIPE IN-LINE FLANGES

3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
												PART NO.	SCREW SIZE	O-RING	
3/4	3/4	1387-12-12	2.25	1.12	1.00	.719	1.438	.75	.41	.50	1.070	MK 528	3/8-16 x 1 3/4	216	1.1
		1388-12-12							3/8-16			-----	-----	---	
1	1	1387-16-16	3.00	1.50	1.00	1.000	2.000	1.00	.53	.50	1.335	MK 529	1/2-13 x 1 3/4	222	2.0
		1388-16-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1387-20-20	3.00	1.50	1.00	1.000	2.000	1.25	.53	.50	1.680	MK 529	1/2-13 x 1 3/4	222	1.8
		1388-20-20							1/2-13			-----	-----	---	
1 1/2	1 1/2	1387-24-24	4.00	2.00	1.25	1.375	2.750	1.50	.66	.62	1.920	MK 530	5/8-11 x 2 1/4	228	4.4
		1388-24-24							5/8-11			-----	-----	---	
2	2	1387-32-32	4.00	2.00	1.25	1.375	2.750	1.94	.66	.62	2.411	MK 530	5/8-11 x 2 1/4	228	3.8
		1388-32-32							5/8-11			-----	-----	---	
2 1/2	2 1/2	1387-40-40	5.50	2.75	1.50	1.875	3.750	2.44	.94	.75	2.911	MK 531	7/8-9 x 2 3/4	236	9.5
		1388-40-40							7/8-9			-----	-----	---	
3	3	1387-48-48	5.50	2.75	1.50	1.875	3.750	2.88	.94	.75	3.540	MK 531	7/8-9 x 2 3/4	236	8.4
		1388-48-48							7/8-9			-----	-----	---	
3 1/2	3 1/2	1387-56-56	6.00	3.00	1.75	2.125	4.250	3.38	.94	.75	4.045	MK 589	7/8-9 x 3	240	10.7
		1388-56-56							7/8-9			-----	-----	---	
4	4	1387-64-64	7.00	3.50	2.00	2.500	5.000	3.88	1.06	.75	4.550	MK 572	1-8 x 3 1/2	347	18.3
		1388-64-64							1-8			-----	-----	---	
5	5	1387-80-80	8.00	4.00	2.50	3.000	6.000	4.81	1.06	1.00	5.635	MK 590	1-8 x 4	355	28.0
		1388-80-80							1-8			-----	-----	---	
6	6	1387-96-96	10.00	5.00	2.50	3.500	7.000	5.75	1.31	1.00	6.697	MK 573	1 1/4-7 x 4 1/2	362	46.0
		1388-96-96							1 1/4-7			-----	-----	---	



MATERIAL: Low Carbon Steel

Model 1387 / 1389

Model 1388 / 1390

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

6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
												PART NO.	SCREW SIZE	O-RING	
1/2	1/2	1389-08-08	2.25	1.12	1.00	.719	1.438	.50	.41	.50	.860	MK 2501	3/8-16 x 1 3/4	210	1.2
		1390-08-08							3/8-16			-----	-----	---	
3/4	3/4	1389-12-12	2.50	1.25	1.00	.875	1.750	.61	.41	.50	1.070	MK 2502	3/8-16 x 1 3/4	214	1.4
		1390-12-12							3/8-16			-----	-----	---	
1	1	1389-16-16	3.00	1.50	1.00	1.000	2.000	.81	.53	.50	1.335	MK 2503	1/2-13 x 2	219	2.0
		1390-16-16							1/2-13			-----	-----	---	
1 1/4	1 1/4	1389-20-20	4.00	2.00	1.25	1.375	2.750	1.16	.66	.50	1.680	MK 2504	5/8-11 x 2 1/2	222	4.7
		1390-20-20							5/8-11			-----	-----	---	
1 1/2	1 1/2	1389-24-24	4.00	2.00	1.50	1.375	2.750	1.34	.66	.62	1.920	MK 2505	5/8-11 x 2 3/4	225	5.4
		1390-24-24							5/8-11			-----	-----	---	
2	2	1389-32-32	5.00	2.50	1.75	1.750	3.500	1.69	.78	.62	2.411	MK 2506	3/4-10 x 3 1/2	228	10.2
		1390-32-32							3/4-10			-----	-----	---	
2 1/2	2 1/2	1389-40-40	5.50	2.75	1.75	1.875	3.750	2.12	.94	.75	2.911	MK 2507	7/8-9 x 3 1/2	232	11.6
		1390-40-40							7/8-9			-----	-----	---	
3	3	1389-48-48	7.00	3.50	2.00	2.375	4.750	2.62	1.06	.75	3.540	MK 2508	1-8 x 4	236	22.0
		1390-48-48							1-8			-----	-----	---	
3 1/2	3 1/2	1389-56-56	8.00	4.00	2.50	2.750	5.500	3.00	1.31	1.00	4.045	MK 2509	1 1/4-7 x 5	342	35.5
		1390-56-56							1 1/4-7			-----	-----	---	
4	4	1389-64-64	8.50	4.25	2.50	3.000	6.000	3.44	1.31	1.00	4.550	MK 2510	1 1/4-7 x 5	346	38.6
		1390-64-64							1 1/4-7			-----	-----	---	
5	5	1389-80-80	10.00	5.00	3.00	3.625	7.250	4.31	1.56	1.12	5.635	MK 2511	1 1/2-6 x 6	353	63.3
		1390-80-80							1 1/2-6			-----	-----	---	

① Order Separately

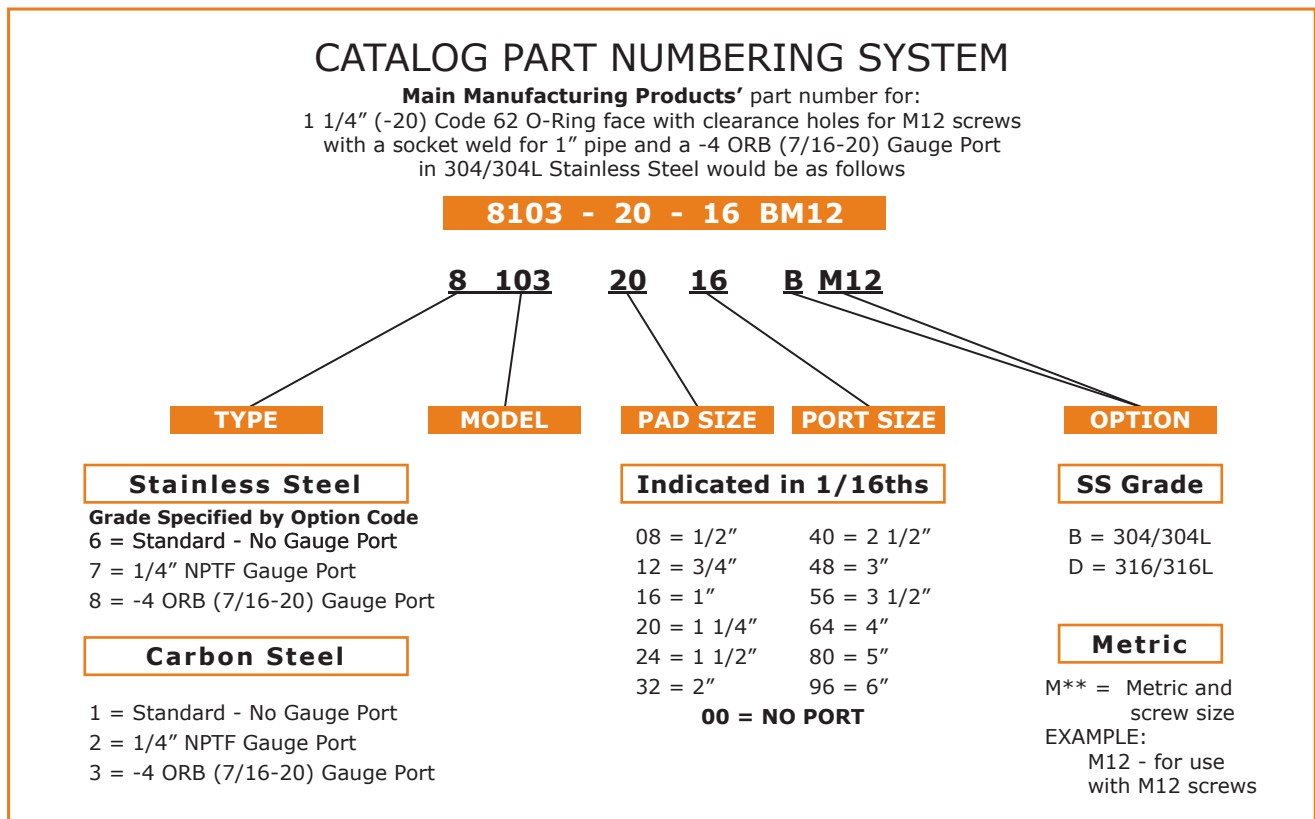
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STAINLESS STEEL PART NUMBERING

Six items will normally describe a flange: PAD (pattern and screw size), TYPE (O-Ring or Flat Faced), PORT (size and type), GEOMETRY, MATERIAL, and OPTIONS. Our way of describing these items uses **MAIN Manufacturing Products'** "Standard Catalog Part Numbering System" as follows:



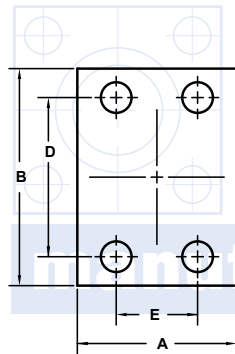
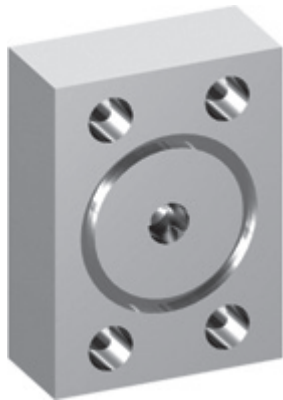
BLIND FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	NA	6101-08-00B	1.50	2.12	.75	1.500	.688		.34			MK 501	5/16-18 x 1 1/4	210	.7
		5/16-18							-----			-----	---		
3/4	NA	6101-12-00B	1.75	2.62	1.00	1.875	.875		.41			MK 502	3/8-16 x 1 3/4	214	1.2
		3/8-16							-----			-----	---		
1	NA	6101-16-00B	2.00	2.82	1.00	2.062	1.031		.41			MK 503	3/8-16 x 1 3/4	219	1.5
		3/8-16							-----			-----	---		
1 1/4	NA	6101-20-00B	2.50	3.19	1.00	2.312	1.188		.47			MK 504	7/16-14 x 1 3/4	222	2.0
		7/16-14							-----			-----	---		
1 1/2	NA	6101-24-00B	2.75	3.75	1.25	2.750	1.406		.53			MK 505	1/2-13 x 2	225	3.3
		1/2-13							-----			-----	---		
2	NA	6101-32-00B	3.25	4.00	1.50	3.062	1.688		.53			MK 506	1/2-13 x 2 1/4	228	5.2
		1/2-13							-----			-----	---		
2 1/2 ②	NA	6101-40-00B	4.00	4.50	1.75	3.500	2.000		.53			MK 507	1/2-13 x 2 1/2	232	8.5
		1/2-13							-----			-----	---		
3 ③	NA	6101-48-00B	4.50	5.31	2.00	4.188	2.438		.66			MK 508	5/8-11 x 3	237	12.8
		5/8-11							-----			-----	---		
3 1/2 ④	NA	6101-56-00B	5.00	6.00	1.50	4.750	2.750		.66			MK 509	5/8-11 x 2 1/2	241	12.3
		5/8-11							-----			-----	---		
4 ④	NA	6101-64-00B	5.50	6.38	1.50	5.125	3.062		.66			MK 510	5/8-11 x 2 1/2	245	14.5
		5/8-11							-----			-----	---		
5 ④	NA	6101-80-00B	7.00	7.25	2.00	6.000	3.625		.66			MK 511	5/8-11 x 3	253	28.1
		5/8-11							-----			-----	---		

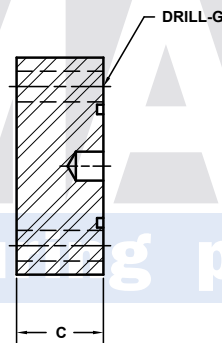
MATERIAL:
304L Stainless

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.

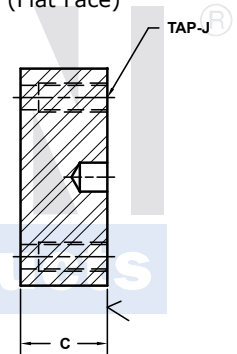


O-Ring Style



Model 6101 / 6103

Companion Style
(Flat Face)



Model 6102 / 6104

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	NA	6103-08-00B	1.75	2.22	1.00	1.594	.718		.34			MK 512	5/16-18 x 1 1/2	210	.9
		6104-08-00B							5/16-18			-----	-----	---	
¾	NA	6103-12-00B	2.00	2.81	1.00	2.000	.937		.41			MK 502	3/8-16 x 1 3/4	214	1.4
		6104-12-00B							3/8-16			-----	-----	---	
1	NA	6103-16-00B	2.25	3.19	1.00	2.250	1.093		.47			MK 513	7/16-14 x 1 3/4	219	1.8
		6104-16-00B							7/16-14			-----	-----	---	
1¼	NA	6103-20-00B	2.75	3.75	1.25	2.625	1.250		.53			MK 514	1/2-13 x 2	222	3.3
		6104-20-00B							1/2-13			-----	-----	---	
1½	NA	6103-24-00B	3.25	4.50	1.50	3.125	1.437		.66			MK 515	5/8-11 x 2 1/2	225	5.7
		6104-24-00B							5/8-11			-----	-----	---	
2	NA	6103-32-00B	4.00	5.25	1.75	3.812	1.750		.78			MK 516	¾-10 x 3	228	9.7
		6104-32-00B							¾-10			-----	-----	---	
2½	NA	6103-40-00B	5.00	6.88	2.00	4.875	2.312		.94			MK 517	7/8-9 x 3 1/2	232	18.2
		6104-40-00B							7/8-9			-----	-----	---	
3	NA	6103-48-00B	6.00	8.50	2.50	6.000	2.812		1.19			MK 718	1 1/8-7 x 4 1/2	237	33.5
		6104-48-00B							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

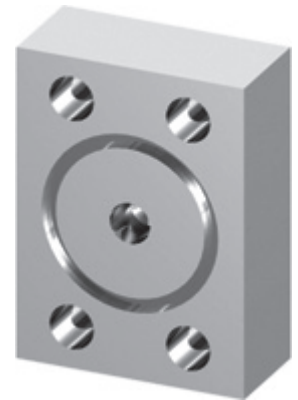
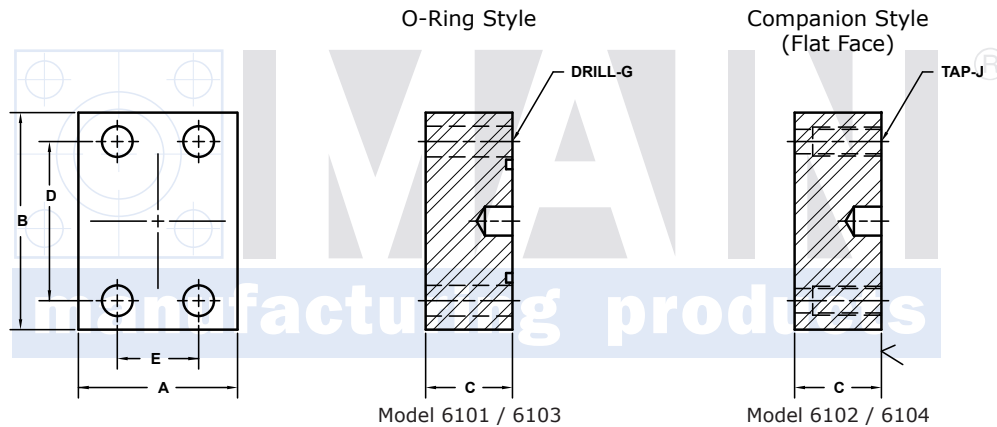
BLIND FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	NA	6101-08-00D	1.50	2.12	.75	1.500	.688		.34			MK 501	5/16-18 x 1 1/4	210	.7
		6102-08-00D							5/16-18			-----	-----	---	
3/4	NA	6101-12-00D	1.75	2.62	1.00	1.875	.875		.41			MK 502	3/8-16 x 1 3/4	214	1.2
		6102-12-00D							3/8-16			-----	-----	---	
1	NA	6101-16-00D	2.00	2.82	1.00	2.062	1.031		.41			MK 503	3/8-16 x 1 3/4	219	1.5
		6102-16-00D							3/8-16			-----	-----	---	
1 1/4	NA	6101-20-00D	2.50	3.19	1.00	2.312	1.188		.47			MK 504	7/16-14 x 1 3/4	222	2.0
		6102-20-00D							7/16-14			-----	-----	---	
1 1/2	NA	6101-24-00D	2.75	3.75	1.25	2.750	1.406		.53			MK 505	1/2-13 x 2	225	3.3
		6102-24-00D							1/2-13			-----	-----	---	
2	NA	6101-32-00D	3.25	4.00	1.50	3.062	1.688		.53			MK 506	1/2-13 x 2 1/4	228	5.2
		6102-32-00D							1/2-13			-----	-----	---	
2 1/2 ^②	NA	6101-40-00D	4.00	4.50	1.75	3.500	2.000		.53			MK 507	1/2-13 x 2 1/2	232	8.5
		6102-40-00D							1/2-13			-----	-----	---	
3 ^③	NA	6101-48-00D	4.50	5.31	2.00	4.188	2.438		.66			MK 508	5/8-11 x 3	237	12.8
		6102-48-00D							5/8-11			-----	-----	---	
3 1/2 ^④	NA	6101-56-00D	5.00	6.00	1.50	4.750	2.750		.66			MK 509	5/8-11 x 2 1/2	241	12.3
		6102-56-00D							5/8-11			-----	-----	---	
4 ^④	NA	6101-64-00D	5.50	6.38	1.50	5.125	3.062		.66			MK 510	5/8-11 x 2 1/2	245	14.5
		6102-64-00D							5/8-11			-----	-----	---	
5 ^④	NA	6101-80-00D	7.00	7.25	2.00	6.000	3.625		.66			MK 511	5/8-11 x 3	253	28.1
		6102-80-00D							5/8-11			-----	-----	---	

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:
316L Stainless



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E		G			MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	NA	6103-08-00D	1.75	2.22	1.00	1.594	.718		.34			MK 512	5/16-18 x 1 1/2	210	.9
		6104-08-00D							5/16-18			-----	-----	---	
3/4	NA	6103-12-00D	2.00	2.81	1.00	2.000	.937		.41			MK 502	3/8-16 x 1 3/4	214	1.4
		6104-12-00D							3/8-16			-----	-----	---	
1	NA	6103-16-00D	2.25	3.19	1.00	2.250	1.093		.47			MK 513	7/16-14 x 1 3/4	219	1.8
		6104-16-00D							7/16-14			-----	-----	---	
1 1/4	NA	6103-20-00D	2.75	3.75	1.25	2.625	1.250		.53			MK 514	1/2-13 x 2	222	3.3
		6104-20-00D							1/2-13			-----	-----	---	
1 1/2	NA	6103-24-00D	3.25	4.50	1.50	3.125	1.437		.66			MK 515	5/8-11 x 2 1/2	225	5.7
		6104-24-00D							5/8-11			-----	-----	---	
2	NA	6103-32-00D	4.00	5.25	1.75	3.812	1.750		.78			MK 516	3/4-10 x 3	228	9.7
		6104-32-00D							3/4-10			-----	-----	---	
2 1/2	NA	6103-40-00D	5.00	6.88	2.00	4.875	2.312		.94			MK 517	7/8-9 x 3 1/2	232	18.2
		6104-40-00D							7/8-9			-----	-----	---	
3	NA	6103-48-00D	6.00	8.50	2.50	6.000	2.812		1.19			MK 718	1 1/8-7 x 4 1/2	237	33.5
		6104-48-00D							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

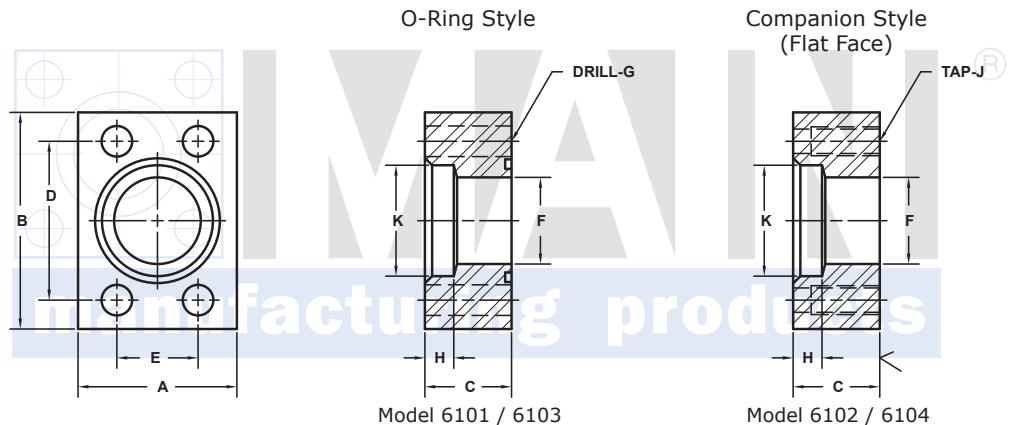
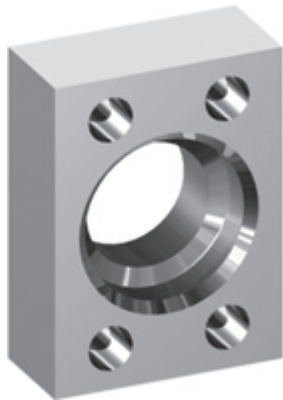
SOCKET WELD PIPE IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6101-08-08B	1.50	2.12	.75	1.500	.688	.50	.34	.38	.860	MK 501	5/16-18 x 1 1/4	210	.5
		6102-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6101-12-12B	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.0
		6102-12-12B							3/8-16			-----	-----	---	
1	1	6101-16-16B	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.335	MK 503	3/8-16 x 1 3/4	219	1.2
		6102-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	6101-20-20B	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.680	MK 504	7/16-14 x 1 3/4	222	1.5
		6102-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	6101-24-24B	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		6102-24-24B							1/2-13			-----	-----	---	
2	2	6101-32-32B	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		6102-32-32B							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6101-40-40B	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		6102-40-40B							1/2-13			-----	-----	---	
3 ③	3	6101-48-48B	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		6102-48-48B							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	6101-56-56B	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.5
		6102-56-56B							5/8-11			-----	-----	---	
4 ④	4	6101-64-64B	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		6102-64-64B							5/8-11			-----	-----	---	
5 ④	5	6101-80-80B	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	16.0
		6102-80-80B							5/8-11			-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6103-08-08B	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.860	MK 512	5/16-18 x 1 1/2	210	.8
		6104-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6103-12-12B	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.3
		6104-12-12B							3/8-16			-----	-----	---	
1	1	6103-16-16B	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.335	MK 513	7/16-14 x 1 3/4	219	1.5
		6104-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6103-20-20B	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		6104-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6103-24-24B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.8
		6104-24-24B							5/8-11			-----	-----	---	
2	2	6103-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		6104-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	6103-40-40B	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		6104-40-40B							7/8-9			-----	-----	---	
3	3	6103-48-48B	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	28.0
		6104-48-48B							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

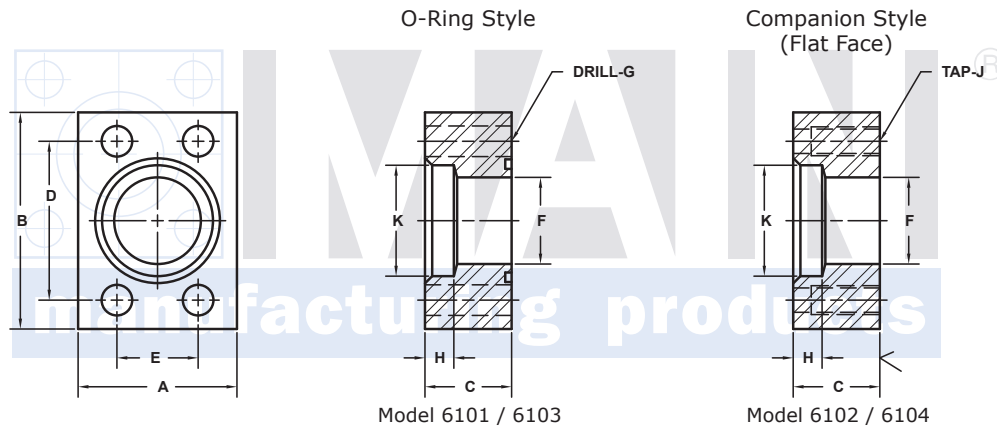
SOCKET WELD PIPE IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6101-08-08D	1.50	2.12	.75	1.500	.688	.50	.34	.38	.860	MK 501	5/16-18 x 1 1/4	210	.5
		6102-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6101-12-12D	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.0
		6102-12-12D							3/8-16			-----	-----	---	
1	1	6101-16-16D	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.335	MK 503	3/8-16 x 1 3/4	219	1.2
		6102-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6101-20-20D	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.680	MK 504	7/16-14 x 1 3/4	222	1.5
		6102-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6101-24-24D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		6102-24-24D							1/2-13			-----	-----	---	
2	2	6101-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		6102-32-32D							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	6101-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		6102-40-40D							1/2-13			-----	-----	---	
3 ^③	3	6101-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		6102-48-48D							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	6101-56-56D	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.5
		6102-56-56D							5/8-11			-----	-----	---	
4 ^④	4	6101-64-64D	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		6102-64-64D							5/8-11			-----	-----	---	
5 ^④	5	6101-80-80D	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	16.0
		6102-80-80D							5/8-11			-----	-----	---	

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).

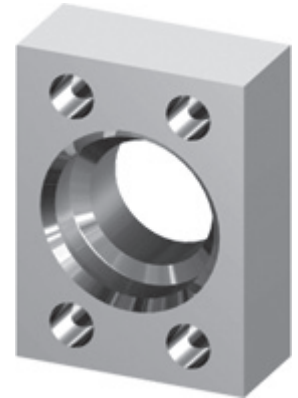
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 6101 / 6103

Model 6102 / 6104



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6103-08-08D	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.860	MK 512	5/16-18 x 1 1/2	210	.8
		6104-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6103-12-12D	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.070	MK 502	3/8-16 x 1 3/4	214	1.3
		6104-12-12D							3/8-16			-----	-----	---	
1	1	6103-16-16D	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.335	MK 513	7/16-14 x 1 3/4	219	1.5
		6104-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6103-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		6104-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6103-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.8
		6104-24-24D							5/8-11			-----	-----	---	
2	2	6103-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		6104-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6103-40-40D	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		6104-40-40D							7/8-9			-----	-----	---	
3	3	6103-48-48D	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	28.0
		6104-48-48D							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

SOCKET WELD PIPE IN-LINE FLANGES

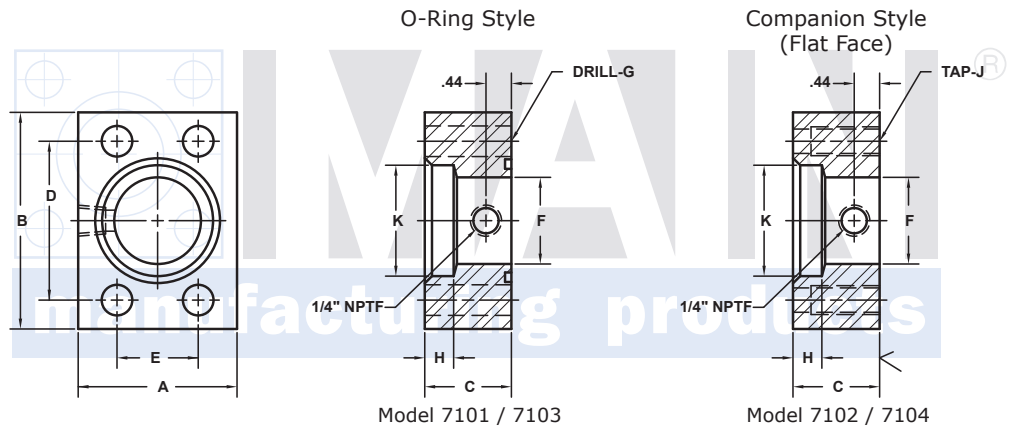
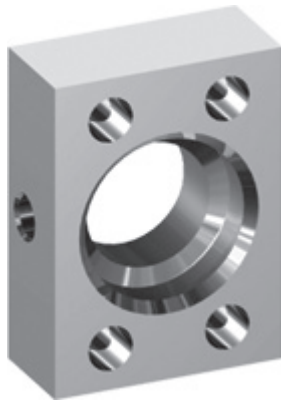
WITH 1/4" NPTF GAUGE PORT

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	7101-08-08B	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		7102-08-08B							5/16-18			-----	-----	---	
3/4	3/4	7101-12-12B	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		7102-12-12B							3/8-16			-----	-----	---	
1	1	7101-16-16B	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		7102-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	7101-20-20B	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		7102-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	7101-24-24B	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		7102-24-24B							1/2-13			-----	-----	---	
2	2	7101-32-32B	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		7102-32-32B							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	7101-40-40B	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		7102-40-40B							1/2-13			-----	-----	---	
3 ^③	3	7101-48-48B	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		7102-48-48B							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	7101-56-56B	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		7102-56-56B							5/8-11			-----	-----	---	
4 ^④	4	7101-64-64B	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		7102-64-64B							5/8-11			-----	-----	---	
5 ^④	5	7101-80-80B	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		7102-80-80B							5/8-11			-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	7103-08-08B	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		7104-08-08B							5/16-18			-----	-----	---	
3/4	3/4	7103-12-12B	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		7104-12-12B							3/8-16			-----	-----	---	
1	1	7103-16-16B	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		7104-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	7103-20-20B	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		7104-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	7103-24-24B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		7104-24-24B							5/8-11			-----	-----	---	
2	2	7103-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		7104-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	7103-40-40B	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		7104-40-40B							7/8-9			-----	-----	---	
3	3	7103-48-48B	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		7104-48-48B							1 1/8-7			-----	-----	---	

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

SOCKET WELD PIPE IN-LINE FLANGES

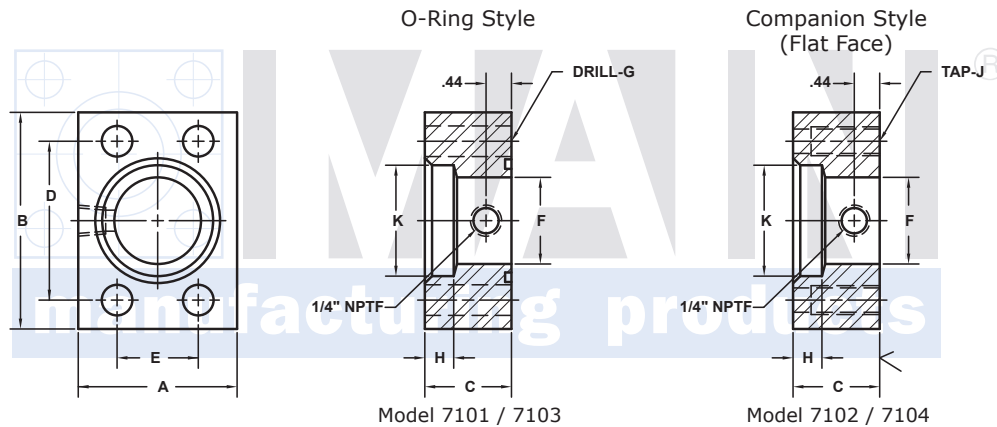
WITH 1/4" NPTF GAUGE PORT

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	7101-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		7102-08-08D							5/16-18			-----	-----	---	
3/4	3/4	7101-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		7102-12-12D							3/8-16			-----	-----	---	
1	1	7101-16-16D	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		7102-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	7101-20-20D	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		7102-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	7101-24-24D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		7102-24-24D							1/2-13			-----	-----	---	
2	2	7101-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		7102-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	7101-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		7102-40-40D							1/2-13			-----	-----	---	
3 ③	3	7101-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		7102-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	7101-56-56D	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		7102-56-56D							5/8-11			-----	-----	---	
4 ④	4	7101-64-64D	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		7102-64-64D							5/8-11			-----	-----	---	
5 ④	5	7101-80-80D	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		7102-80-80D							5/8-11			-----	-----	---	

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).

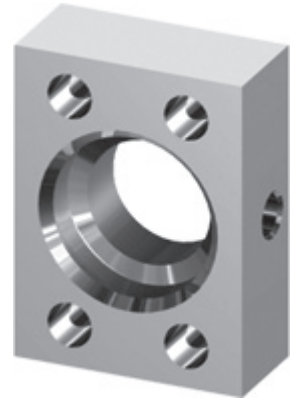
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 7101 / 7103

Model 7102 / 7104



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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1½	7103-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		5/16-18							-----			-----	---		
¾	¾	7103-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		3/8-16							-----			-----	---		
1	1	7103-16-16D	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		7/16-14							-----			-----	---		
1¼	1¼	7103-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		1/2-13							-----			-----	---		
1½	1½	7103-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		5/8-11							-----			-----	---		
2	2	7103-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		3/4-10							-----			-----	---		
2½	2½	7103-40-40D	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		7/8-9							-----			-----	---		
3	3	7103-48-48D	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		1 1/8-7							-----			-----	---		

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

SOCKET WELD PIPE IN-LINE FLANGES

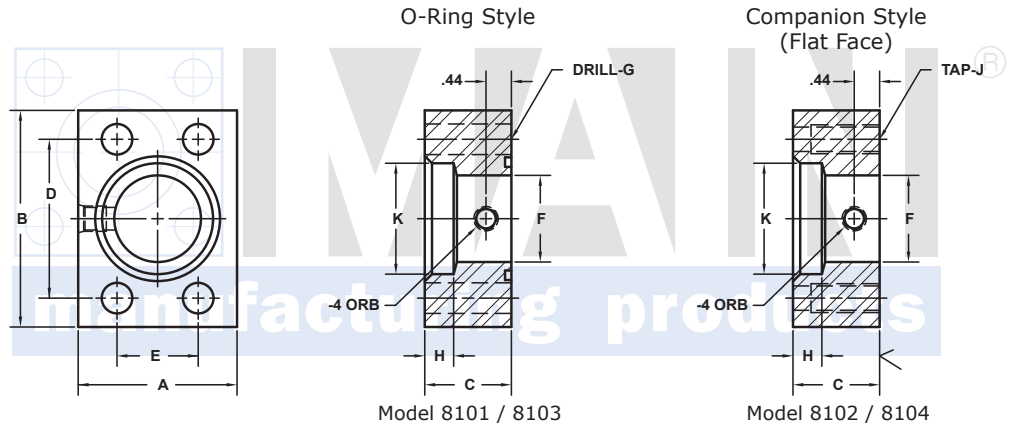
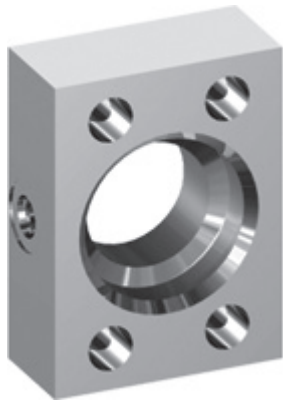
WITH -4 ORB (7/16-20) GAUGE PORT

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	8101-08-08B	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		8102-08-08B							5/16-18			-----	-----	---	
3/4	3/4	8101-12-12B	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		8102-12-12B							3/8-16			-----	-----	---	
1	1	8101-16-16B	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		8102-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	8101-20-20B	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		8102-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	8101-24-24B	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		8102-24-24B							1/2-13			-----	-----	---	
2	2	8101-32-32B	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		8102-32-32B							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	8101-40-40B	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		8102-40-40B							1/2-13			-----	-----	---	
3 ^③	3	8101-48-48B	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		8102-48-48B							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	8101-56-56B	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		8102-56-56B							5/8-11			-----	-----	---	
4 ^④	4	8101-64-64B	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		8102-64-64B							5/8-11			-----	-----	---	
5 ^④	5	8101-80-80B	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		8102-80-80B							5/8-11			-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	8103-08-08B	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		8104-08-08B							5/16-18			-----	-----	---	
3/4	3/4	8103-12-12B	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		8104-12-12B							3/8-16			-----	-----	---	
1	1	8103-16-16B	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		8104-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	8103-20-20B	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		8104-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	8103-24-24B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		8104-24-24B							5/8-11			-----	-----	---	
2	2	8103-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		8104-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	8103-40-40B	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		8104-40-40B							7/8-9			-----	-----	---	
3	3	8103-48-48B	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		8104-48-48B							1 1/8-7			-----	-----	---	

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

SOCKET WELD PIPE IN-LINE FLANGES

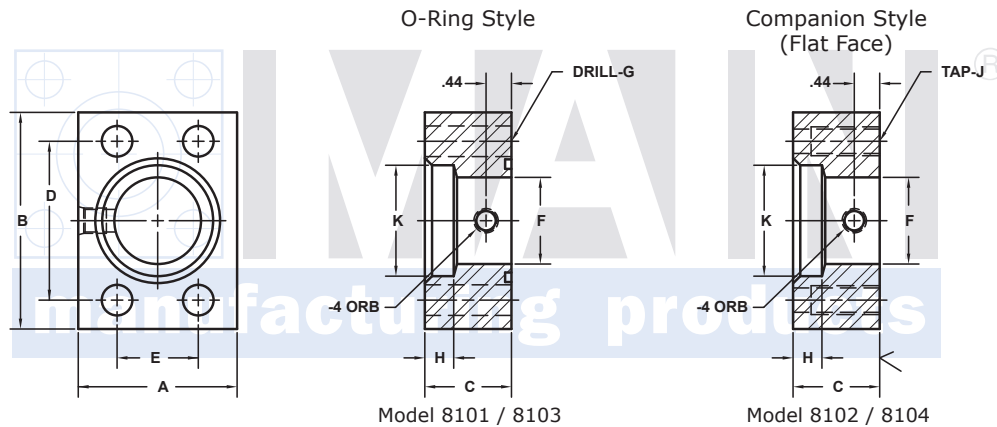
WITH -4 ORB (7/16-20) GAUGE PORT

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	8101-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		8102-08-08D							5/16-18			-----	-----	---	
3/4	3/4	8101-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.2
		8102-12-12D							3/8-16			-----	-----	---	
1	1	8101-16-16D	2.00	2.82	1.25	2.062	1.031	1.00	.41	.50	1.335	MK 1501	3/8-16 x 2	219	1.5
		8102-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	8101-20-20D	2.50	3.19	1.25	2.312	1.188	1.25	.47	.50	1.680	MK 1502	7/16-14 x 2	222	2.0
		8102-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	8101-24-24D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	MK 505	1/2-13 x 2	225	2.5
		8102-24-24D							1/2-13			-----	-----	---	
2	2	8101-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	MK 506	1/2-13 x 2 1/4	228	3.6
		8102-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	8101-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	MK 507	1/2-13 x 2 1/2	232	5.7
		8102-40-40D							1/2-13			-----	-----	---	
3 ③	3	8101-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	MK 508	5/8-11 x 3	237	8.3
		8102-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	8101-56-56D	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	MK 509	5/8-11 x 2 1/2	241	7.7
		8102-56-56D							5/8-11			-----	-----	---	
4 ④	4	8101-64-64D	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	MK 510	5/8-11 x 2 1/2	245	8.3
		8102-64-64D							5/8-11			-----	-----	---	
5 ④	5	8101-80-80D	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	MK 511	5/8-11 x 3	253	14.5
		8102-80-80D							5/8-11			-----	-----	---	

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).

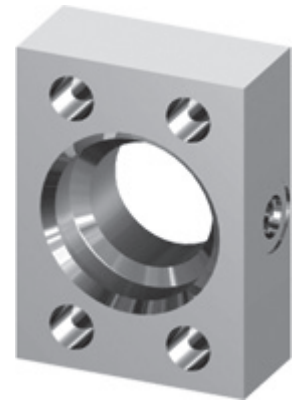
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 8101 / 8103

Model 8102 / 8104



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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	8103-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34	.50	.860	MK 519	5/16-18 x 1 3/4	210	1.1
		8104-08-08D							5/16-18			-----	-----	---	
3/4	3/4	8103-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41	.50	1.070	MK 520	3/8-16 x 2	214	1.5
		8104-12-12D							3/8-16			-----	-----	---	
1	1	8103-16-16D	2.25	3.19	1.25	2.250	1.093	1.00	.47	.50	1.335	MK 1504	7/16-14 x 2	219	1.9
		8104-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	8103-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	MK 514	1/2-13 x 2	222	2.7
		8104-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	8103-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11 x 2 1/2	225	4.7
		8104-24-24D							5/8-11			-----	-----	---	
2	2	8103-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	MK 516	3/4-10 x 3	228	7.8
		8104-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	8103-40-40D	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	MK 517	7/8-9 x 3 1/2	232	15.2
		8104-40-40D							7/8-9			-----	-----	---	
3	3	8103-48-48D	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	MK 718	1 1/8-7 x 4 1/2	237	27.8
		8104-48-48D							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

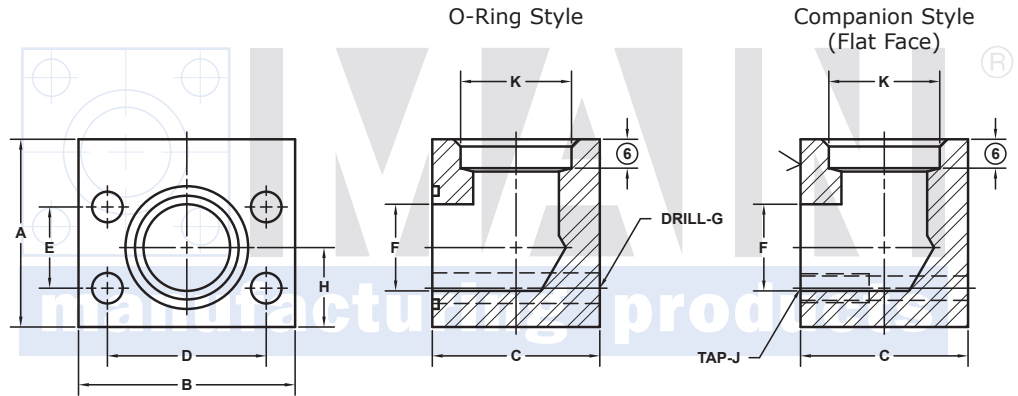
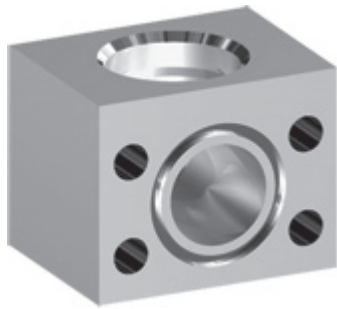
SOCKET WELD PIPE ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6125-08-08B	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.860	MK 541	5/16-18 x 2	210	1.3
		5/16-18							-----			-----	---		
3/4	3/4	6125-12-12B	2.00	2.62	1.70	1.875	.875	.75	.41	.88	1.070	MK 542	3/8-16 x 2 1/2	214	2.0
		3/8-16							-----			-----	---		
1	1	6125-16-16B	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.335	MK 543	3/8-16 x 2 3/4	219	2.7
		3/8-16							-----			-----	---		
1 1/4	1 1/4	6125-20-20B	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.680	MK 578	7/16-14 x 3 1/4	222	4.8
		7/16-14							-----			-----	---		
1 1/2	1 1/2	6125-24-24B	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1.920	MK 545	1/2-13 x 4	225	7.3
		1/2-13							-----			-----	---		
2	2	6125-32-32B	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.411	MK 546	1/2-13 x 4 1/2	228	9.9
		1/2-13							-----			-----	---		
2 1/2 ②	2 1/2	6125-40-40B	4.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2.911	MK 547	1/2-13 x 5	232	13.9
		1/2-13							-----			-----	---		
3 ③	3	6125-48-48B	5.00	5.31	4.96	4.188	2.438	2.94	.66	2.25	3.540	MK 548	5/8-11 x 6	237	24.9
		5/8-11							-----			-----	---		
3 1/2 ④	3 1/2	6125-56-56B	5.50	6.00	5.40	4.750	2.750	3.44	.66	2.50	4.045	MK 549	5/8-11 x 6 1/2	241	34.8
		5/8-11							-----			-----	---		
4 ④	4	6125-64-64B	6.00	6.38	5.96	5.125	3.062	3.94	.66	2.75	4.550	MK 550	5/8-11 x 7	245	41.9
		5/8-11							-----			-----	---		
5 ④	5	6125-80-80B	7.00	7.25	6.90	6.000	3.625	4.94	.66	3.38	5.635	MK 1569	5/8-11 x 8	253	60.9
		5/8-11							-----			-----	---		

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 6125 / 6127

Model 6126 / 6128

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6127-08-08B	2.00	2.22	1.46	1.594	.718	.50	.34	.88	.860	MK 541	5/16-18 x 2	210	1.6
		6128-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6127-12-12B	2.25	2.81	1.70	2.000	.937	.75	.41	1.00	1.070	MK 542	3/8-16 x 2 1/2	214	2.6
		6128-12-12B							3/8-16			-----	-----	---	
1	1	6127-16-16B	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.335	MK 2533	7/16-14 x 3	219	4.1
		6128-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6127-20-20B	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.680	MK 552	1/2-13 x 3 1/4	222	6.3
		6128-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6127-24-24B	3.50	4.50	2.96	3.125	1.437	1.50	.66	1.62	1.920	MK 553	5/8-11 x 4	225	10.7
		6128-24-24B							5/8-11			-----	-----	---	
2	2	6127-32-32B	4.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.411	MK 554	3/4-10 x 4 1/2	228	15.9
		6128-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	6127-40-40B	5.50	6.88	4.50	4.875	2.312	2.44	.94	2.50	2.911	MK 2557	7/8-9 x 6	232	38.6
		6128-40-40B							7/8-9			-----	-----	---	
3	3	6127-48-48B	6.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3.540	MK 756	1 1/8-7 x 7	237	56.5
		6128-48-48B							1 1/8-7			-----	-----	---	

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

⑥ C'bore Depth by Pipe Size: 1/2" is .38"; 3/4" to 2 1/2" is .50" (2 1/2" 62 Series is .62"); 3" to 5" is .62"

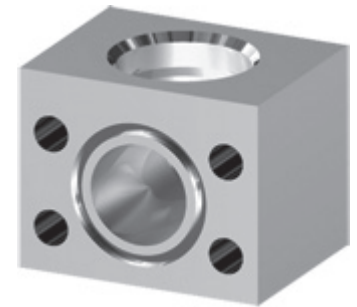
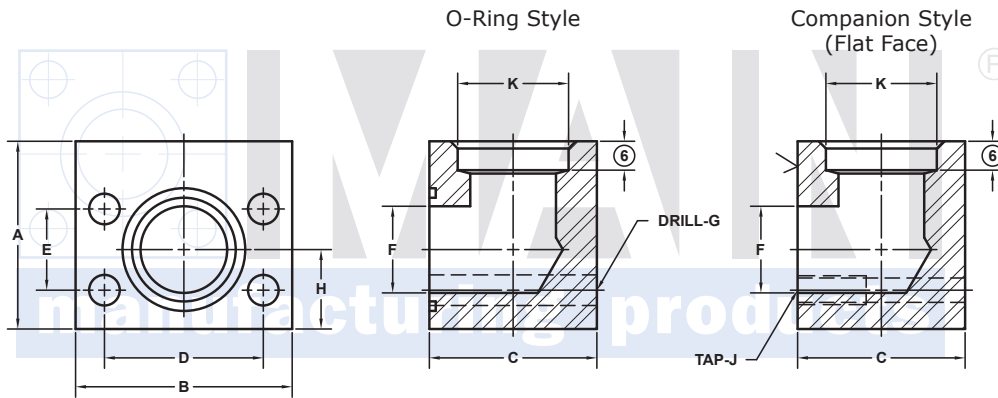
SOCKET WELD PIPE ELBOW FLANGES

SAE BOLT PATTERN									61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6125-08-08D	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.860	MK 541	5/16-18 x 2	210	1.3
		5/16-18							-----			-----	---		
3/4	3/4	6125-12-12D	2.00	2.62	1.70	1.875	.875	.75	.41	.88	1.070	MK 542	3/8-16 x 2 1/2	214	2.0
		3/8-16							-----			-----	---		
1	1	6125-16-16D	2.25	2.82	1.94	2.062	1.031	1.00	.41	1.00	1.335	MK 543	3/8-16 x 2 3/4	219	2.7
		3/8-16							-----			-----	---		
1 1/4	1 1/4	6125-20-20D	2.75	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.680	MK 578	7/16-14 x 3 1/4	222	4.8
		7/16-14							-----			-----	---		
1 1/2	1 1/2	6125-24-24D	3.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1.920	MK 545	1/2-13 x 4	225	7.3
		1/2-13							-----			-----	---		
2	2	6125-32-32D	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.411	MK 546	1/2-13 x 4 1/2	228	9.9
		1/2-13							-----			-----	---		
2 1/2 ②	2 1/2	6125-40-40D	4.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2.911	MK 547	1/2-13 x 5	232	13.9
		1/2-13							-----			-----	---		
3 ③	3	6125-48-48D	5.00	5.31	4.96	4.188	2.438	2.94	.66	2.25	3.540	MK 548	5/8-11 x 6	237	24.9
		5/8-11							-----			-----	---		
3 1/2 ④	3 1/2	6125-56-56D	5.50	6.00	5.40	4.750	2.750	3.44	.66	2.50	4.045	MK 549	5/8-11 x 6 1/2	241	34.8
		5/8-11							-----			-----	---		
4 ④	4	6125-64-64D	6.00	6.38	5.96	5.125	3.062	3.94	.66	2.75	4.550	MK 550	5/8-11 x 7	245	41.9
		5/8-11							-----			-----	---		
5 ④	5	6125-80-80D	7.00	7.25	6.90	6.000	3.625	4.94	.66	3.38	5.635	MK 1569	5/8-11 x 8	253	60.9
		5/8-11							-----			-----	---		

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:
316L Stainless



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6127-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	.860	MK 541	5/16-18 x 2	210	1.6
		6128-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6127-12-12D	2.25	2.81	1.70	2.000	.937	.75	.41	1.00	1.070	MK 542	3/8-16 x 2 1/2	214	2.6
		6128-12-12D							3/8-16			-----	-----	---	
1	1	6127-16-16D	2.50	3.19	2.21	2.250	1.093	1.00	.47	1.12	1.335	MK 2533	7/16-14 x 3	219	4.1
		6128-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6127-20-20D	3.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.680	MK 552	1/2-13 x 3 1/4	222	6.3
		6128-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6127-24-24D	3.50	4.50	2.96	3.125	1.437	1.50	.66	1.62	1.920	MK 553	5/8-11 x 4	225	10.7
		6128-24-24D							5/8-11			-----	-----	---	
2	2	6127-32-32D	4.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.411	MK 554	3/4-10 x 4 1/2	228	15.9
		6128-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6127-40-40D	5.50	6.88	4.50	4.875	2.312	2.44	.94	2.50	2.911	MK 2557	7/8-9 x 6	232	38.6
		6128-40-40D							7/8-9			-----	-----	---	
3	3	6127-48-48D	6.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3.540	MK 756	1 1/8-7 x 7	237	56.5
		6128-48-48D							1 1/8-7			-----	-----	---	

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

⑥ C'bore Depth by Pipe Size: 1/2" is .38"; 3/4" to 2 1/2" is .50" (2 1/2" 62 Series is .62"); 3" to 5" is .62"

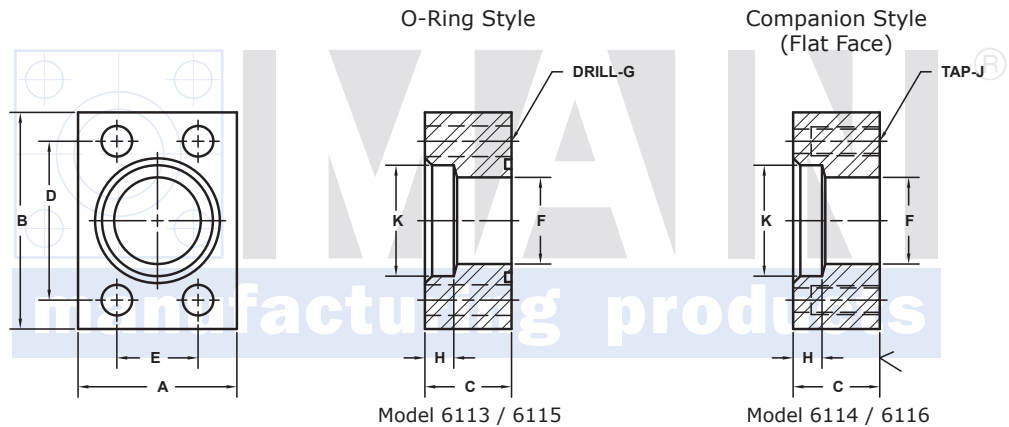
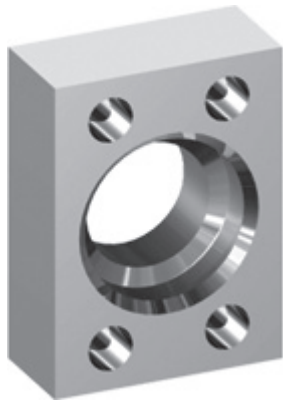
SOCKET WELD TUBE IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6113-08-08B	1.50	2.12	.75	1.500	.688	.31	.34	.38	.510	MK 501	5/16-18 x 1 1/4	210	.6
		6114-08-08B							5/16-18			-----	-----	---	
1/2	3/4	6113-08-12B	1.50	2.12	.75	1.500	.688	.50	.34	.38	.760	MK 501	5/16-18 x 1 1/4	210	.5
		6114-08-12B							5/16-18			-----	-----	---	
3/4	3/4	6113-12-12B	1.75	2.62	1.00	1.875	.875	.50	.41	.38	.760	MK 502	3/8-16 x 1 3/4	214	.9
		6114-12-12B							3/8-16			-----	-----	---	
3/4	1	6113-12-16B	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	.8
		6114-12-16B							3/8-16			-----	-----	---	
1	1	6113-16-16B	2.00	2.82	1.00	2.062	1.031	.75	.41	.50	1.010	MK 503	3/8-16 x 1 3/4	219	1.3
		6114-16-16B							3/8-16			-----	-----	---	
1	1 1/4	6113-16-20B	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.260	MK 503	3/8-16 x 1 3/4	219	1.2
		6114-16-20B							3/8-16			-----	-----	---	
1 1/4	1 1/4	6113-20-20B	2.50	3.19	1.00	2.312	1.188	1.00	.47	.50	1.260	MK 504	7/16-14 x 1 3/4	222	1.7
		6114-20-20B							7/16-14			-----	-----	---	
1 1/4	1 1/2	6113-20-24B	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.510	MK 504	7/16-14 x 1 3/4	222	1.6
		6114-20-24B							7/16-14			-----	-----	---	
1 1/2	1 1/2	6113-24-24B	2.75	3.75	1.25	2.750	1.406	1.25	.53	.50	1.510	MK 505	1/2-13 x 2	225	2.7
		6114-24-24B							1/2-13			-----	-----	---	
1 1/2	1 3/4	6113-24-28B	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.760	MK 505	1/2-13 x 2	225	2.6
		6114-24-28B							1/2-13			-----	-----	---	
1 1/2	2	6113-24-32B	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	2.010	MK 505	1/2-13 x 2	225	2.5
		6114-24-32B							1/2-13			-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	3/4	6115-08-12B	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.760	MK 512	5/16-18 x 1 1/2	210	.8
		6116-08-12B							5/16-18			-----	-----	---	
3/4	1	6115-12-16B	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	1.2
		6116-12-16B							3/8-16			-----	-----	---	
1	1	6115-16-16B	2.25	3.19	1.00	2.250	1.093	.75	.47	.50	1.010	MK 513	7/16-14 x 1 3/4	219	1.6
		6116-16-16B							7/16-14			-----	-----	---	
1	1 1/4	6115-16-20B	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.260	MK 513	7/16-14 x 1 3/4	219	1.5
		6116-16-20B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6115-20-20B	2.75	3.75	1.25	2.625	1.250	1.00	.53	.50	1.260	MK 514	1/2-13 x 2	222	2.9
		6116-20-20B							1/2-13			-----	-----	---	
1 1/4	1 1/2	6115-20-24B	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.510	MK 514	1/2-13 x 2	222	2.8
		6116-20-24B							1/2-13			-----	-----	---	
1 1/2	1 3/4	6115-24-28B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.760	MK 515	5/8-11 x 2 1/2	225	4.8
		6116-24-28B							5/8-11			-----	-----	---	
1 1/2	2	6115-24-32B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.010	MK 515	5/8-11 x 2 1/2	225	4.7
		6116-24-32B							5/8-11			-----	-----	---	

① Order Separately

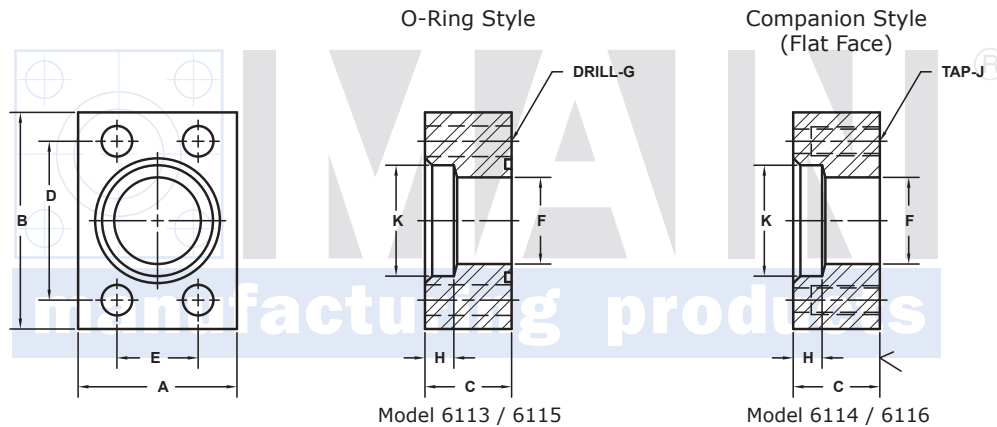
SOCKET WELD TUBE IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6113-08-08D	1.50	2.12	.75	1.500	.688	.31	.34	.38	.510	MK 501	5/16-18 x 1 1/4	210	.6
		6114-08-08D							5/16-18			-----	-----	---	
1/2	3/4	6113-08-12D	1.50	2.12	.75	1.500	.688	.50	.34	.38	.760	MK 501	5/16-18 x 1 1/4	210	.5
		6114-08-12D							5/16-18			-----	-----	---	
3/4	3/4	6113-12-12D	1.75	2.62	1.00	1.875	.875	.50	.41	.38	.760	MK 502	3/8-16 x 1 3/4	214	.9
		6114-12-12D							3/8-16			-----	-----	---	
3/4	1	6113-12-16D	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	.8
		6114-12-16D							3/8-16			-----	-----	---	
1	1	6113-16-16D	2.00	2.82	1.00	2.062	1.031	.75	.41	.50	1.010	MK 503	3/8-16 x 1 3/4	219	1.3
		6114-16-16D							3/8-16			-----	-----	---	
1	1 1/4	6113-16-20D	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.260	MK 503	3/8-16 x 1 3/4	219	1.2
		6114-16-20D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6113-20-20D	2.50	3.19	1.00	2.312	1.188	1.00	.47	.50	1.260	MK 504	7/16-14 x 1 3/4	222	1.7
		6114-20-20D							7/16-14			-----	-----	---	
1 1/4	1 1/2	6113-20-24D	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.510	MK 504	7/16-14 x 1 3/4	222	1.6
		6114-20-24D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6113-24-24D	2.75	3.75	1.25	2.750	1.406	1.25	.53	.50	1.510	MK 505	1/2-13 x 2	225	2.7
		6114-24-24D							1/2-13			-----	-----	---	
1 1/2	1 3/4	6113-24-28D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.760	MK 505	1/2-13 x 2	225	2.6
		6114-24-28D							1/2-13			-----	-----	---	
1 1/2	2	6113-24-32D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	2.010	MK 505	1/2-13 x 2	225	2.5
		6114-24-32D							1/2-13			-----	-----	---	

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).

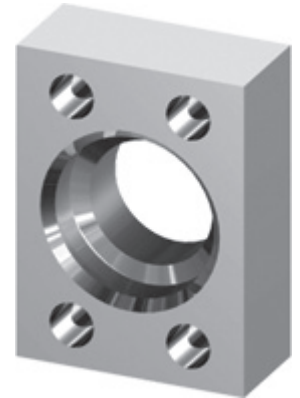
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 6113 / 6115

Model 6114 / 6116



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	3/4	6115-08-12D	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.760	MK 512	5/16-18 x 1 1/2	210	.8
		6116-08-12D							5/16-18			-----	-----	---	
3/4	1	6115-12-16D	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.010	MK 502	3/8-16 x 1 3/4	214	1.2
		6116-12-16D							3/8-16			-----	-----	---	
1	1	6115-16-16D	2.25	3.19	1.00	2.250	1.093	.75	.47	.50	1.010	MK 513	7/16-14 x 1 3/4	219	1.6
		6116-16-16D							7/16-14			-----	-----	---	
1	1 1/4	6115-16-20D	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.260	MK 513	7/16-14 x 1 3/4	219	1.5
		6116-16-20D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6115-20-20D	2.75	3.75	1.25	2.625	1.250	1.00	.53	.50	1.260	MK 514	1/2-13 x 2	222	2.9
		6116-20-20D							1/2-13			-----	-----	---	
1 1/4	1 1/2	6115-20-24D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.510	MK 514	1/2-13 x 2	222	2.8
		6116-20-24D							1/2-13			-----	-----	---	
1 1/2	1 3/4	6115-24-28D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.760	MK 515	5/8-11 x 2 1/2	225	4.8
		6116-24-28D							5/8-11			-----	-----	---	
1 1/2	2	6115-24-32D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.010	MK 515	5/8-11 x 2 1/2	225	4.7
		6116-24-32D							5/8-11			-----	-----	---	

① Order Separately

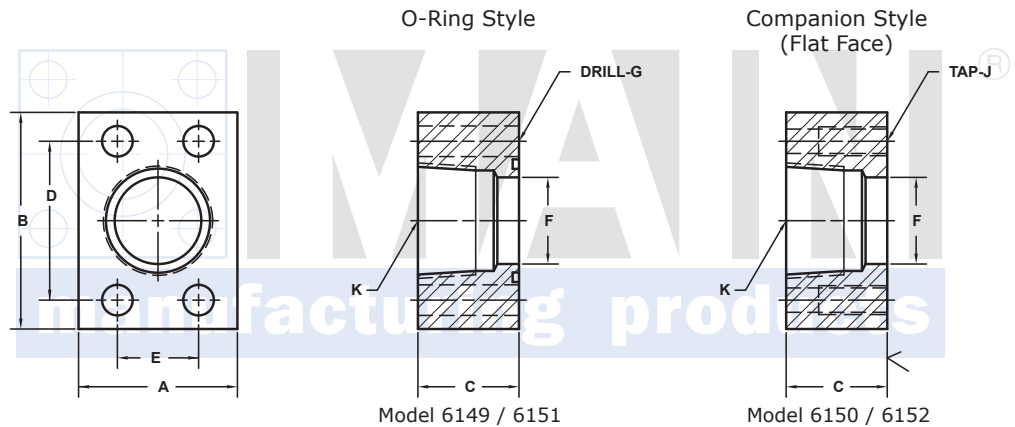
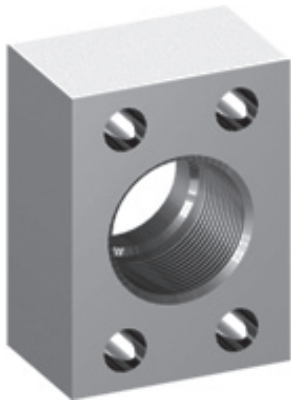
NPTF THREADED IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6149-08-08B	1.50	2.12	1.25	1.500	.688	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	.8
		6150-08-08B							5/16-18		-----	-----	---	
3/4	3/4	6149-12-12B	1.75	2.62	1.25	1.875	.875	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.2
		6150-12-12B							3/8-16		-----	-----	---	
1	1	6149-16-16B	2.00	2.82	1.50	2.062	1.031	1.00	.41	1	MK 521	3/8-16 x 2 1/4	219	1.7
		6150-16-16B							3/8-16		-----	-----	---	
1 1/4	1 1/4	6149-20-20B	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 1/4	MK 522	7/16-14 x 2 1/4	222	2.3
		6150-20-20B							7/16-14		-----	-----	---	
1 1/2	1	6149-24-16B	2.75	3.75	1.75	2.750	1.406	1.16	.53	1	MK 523	1/2-13 x 2 1/2	225	4.2
		6150-24-16B							1/2-13		-----	-----	---	
1 1/2	1 1/2	6149-24-24B	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/2	MK 523	1/2-13 x 2 1/2	225	3.6
		6150-24-24B							1/2-13		-----	-----	---	
2	2	6149-32-32B	3.25	4.00	1.75	3.062	1.688	1.94	.53	2	MK 524	1/2-13 x 2 1/2	228	4.2
		6150-32-32B							1/2-13		-----	-----	---	
2 1/2 ^②	2 1/2	6149-40-40B	4.00	4.50	2.00	3.500	2.000	2.44	.53	2 1/2	MK 1515	1/2-13 x 2 3/4	232	6.5
		6150-40-40B							1/2-13		-----	-----	---	
3 ^③	3	6149-48-48B	4.50	5.50	2.25	4.188	2.438	2.94	.66	3	MK 1516	5/8-11 x 3 1/4	237	9.8
		6150-48-48B							5/8-11		-----	-----	---	
3 1/2 ^④	3 1/2	6149-56-56B	5.00	6.00	2.25	4.750	2.750	3.44	.66	3 1/2	MK 2576	5/8-11 x 3 1/4	241	11.0
		6150-56-56B							5/8-11		-----	-----	---	
4 ^④	4	6149-64-64B	5.50	6.50	2.50	5.125	3.062	3.94	.66	4	MK 2545	5/8-11 x 3 1/2	245	14.5
		6150-64-64B							5/8-11		-----	-----	---	

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 6149 / 6151

Model 6150 / 6152

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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT®			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6151-08-08B	1.75	2.22	1.25	1.594	.718	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	1.1
		6152-08-08B							5/16-18		-----	-----	---	
3/4	3/4	6151-12-12B	2.00	2.81	1.25	2.000	.937	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.5
		6152-12-12B							3/8-16		-----	-----	---	
1	1	6151-16-16B	2.25	3.19	1.50	2.250	1.093	1.00	.47	1	MK 525	7/16-14 x 2 1/4	219	2.3
		6152-16-16B							7/16-14		-----	-----	---	
1 1/4	1 1/4	6151-20-20B	2.75	3.75	1.50	2.625	1.250	1.25	.53	1 1/4	MK 526	1/2-13 x 2 1/4	222	3.7
		6152-20-20B							1/2-13		-----	-----	---	
1 1/2	1 1/2	6151-24-24B	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 1/2	MK 527	5/8-11 x 2 3/4	225	5.6
		6152-24-24B							5/8-11		-----	-----	---	
2	2	6151-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	2	MK 516	3/4-10 x 3	228	7.8
		6152-32-32B							3/4-10		-----	-----	---	
2 1/2	2 1/2	6151-40-40B	5.00	6.88	2.00	4.875	2.312	2.44	.94	2 1/2	MK 517	7/8-9 x 3 1/2	232	15.1
		6152-40-40B							7/8-9		-----	-----	---	
3	3	6151-48-48B	6.00	8.50	2.50	6.000	2.812	2.94	1.19	3	MK 718	1 1/8-7 x 4 1/2	237	27.5
		6152-48-48B							1 1/8-7		-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

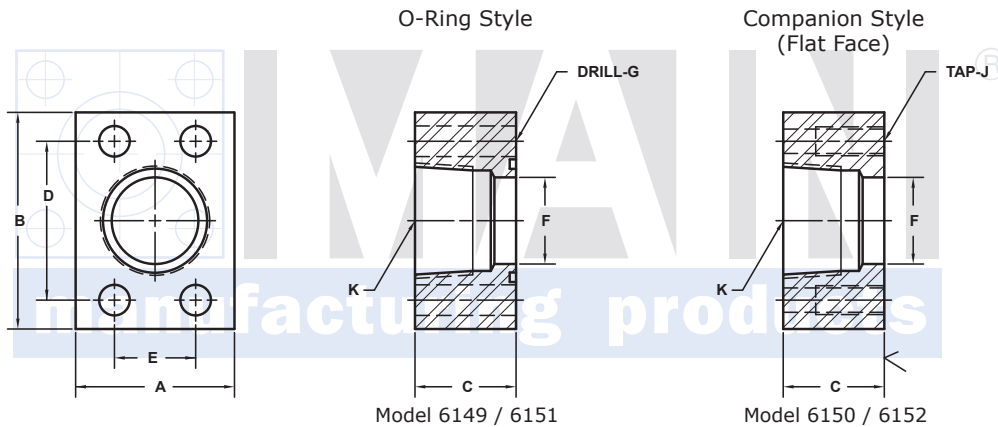
NPTF THREADED IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT ^①			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6149-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	.8
		6150-08-08D							5/16-18		-----	-----	---	
3/4	3/4	6149-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.2
		6150-12-12D							3/8-16		-----	-----	---	
1	1	6149-16-16D	2.00	2.82	1.50	2.062	1.031	1.00	.41	1	MK 521	3/8-16 x 2 1/4	219	1.7
		6150-16-16D							3/8-16		-----	-----	---	
1 1/4	1 1/4	6149-20-20D	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 1/4	MK 522	7/16-14 x 2 1/4	222	2.3
		6150-20-20D							7/16-14		-----	-----	---	
1 1/2	1	6149-24-16D	2.75	3.75	1.75	2.750	1.406	1.16	.53	1	MK 523	1/2-13 x 2 1/2	225	4.2
		6150-24-16D							1/2-13		-----	-----	---	
1 1/2	1 1/2	6149-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 1/2	MK 523	1/2-13 x 2 1/2	225	3.6
		6150-24-24D							1/2-13		-----	-----	---	
2	2	6149-32-32D	3.25	4.00	1.75	3.062	1.688	1.94	.53	2	MK 524	1/2-13 x 2 1/2	228	4.2
		6150-32-32D							1/2-13		-----	-----	---	
2 1/2 ^②	2 1/2	6149-40-40D	4.00	4.50	2.00	3.500	2.000	2.44	.53	2 1/2	MK 1515	1/2-13 x 2 3/4	232	6.5
		6150-40-40D							1/2-13		-----	-----	---	
3 ^③	3	6149-48-48D	4.50	5.50	2.25	4.188	2.438	2.94	.66	3	MK 1516	5/8-11 x 3 1/4	237	9.8
		6150-48-48D							5/8-11		-----	-----	---	
3 1/2 ^④	3 1/2	6149-56-56D	5.00	6.00	2.25	4.750	2.750	3.44	.66	3 1/2	MK 2576	5/8-11 x 3 1/4	241	11.0
		6150-56-56D							5/8-11		-----	-----	---	
4 ^④	4	6149-64-64D	5.50	6.50	2.50	5.125	3.062	3.94	.66	4	MK 2545	5/8-11 x 3 1/2	245	14.5
		6150-64-64D							5/8-11		-----	-----	---	

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).

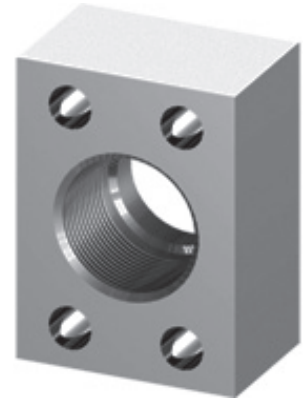
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 6149 / 6151

Model 6150 / 6152



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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	K NPTF	MOUNTING KIT ^①			WT
											PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6151-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34	1/2	MK 519	5/16-18 x 1 3/4	210	1.1
		6152-08-08D							5/16-18		-----	-----	---	
3/4	3/4	6151-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41	3/4	MK 520	3/8-16 x 2	214	1.5
		6152-12-12D							3/8-16		-----	-----	---	
1	1	6151-16-16D	2.25	3.19	1.50	2.250	1.093	1.00	.47	1	MK 525	7/16-14 x 2 1/4	219	2.3
		6152-16-16D							7/16-14		-----	-----	---	
1 1/4	1 1/4	6151-20-20D	2.75	3.75	1.50	2.625	1.250	1.25	.53	1 1/4	MK 526	1/2-13 x 2 1/4	222	3.7
		6152-20-20D							1/2-13		-----	-----	---	
1 1/2	1 1/2	6151-24-24D	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 1/2	MK 527	5/8-11 x 2 3/4	225	5.6
		6152-24-24D							5/8-11		-----	-----	---	
2	2	6151-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	2	MK 516	3/4-10 x 3	228	7.8
		6152-32-32D							3/4-10		-----	-----	---	
2 1/2	2 1/2	6151-40-40D	5.00	6.88	2.00	4.875	2.312	2.44	.94	2 1/2	MK 517	7/8-9 x 3 1/2	232	15.1
		6152-40-40D							7/8-9		-----	-----	---	
3	3	6151-48-48D	6.00	8.50	2.50	6.000	2.812	2.94	1.19	3	MK 718	1 1/8-7 x 4 1/2	237	27.5
		6152-48-48D							1 1/8-7		-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

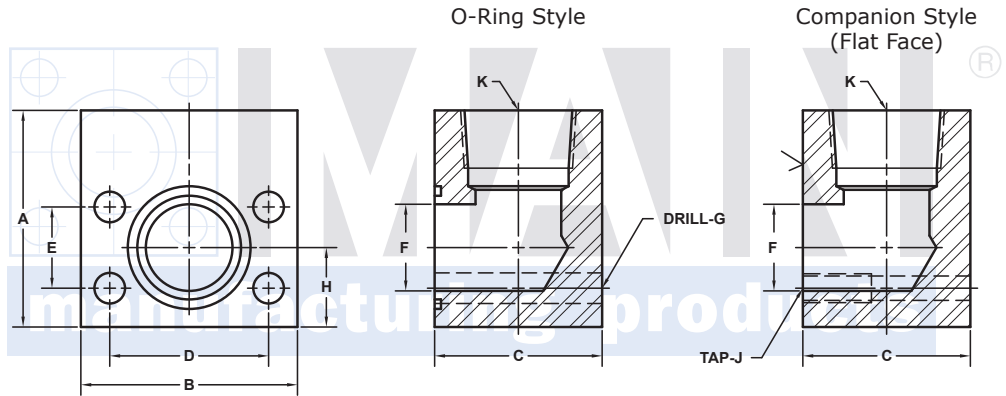
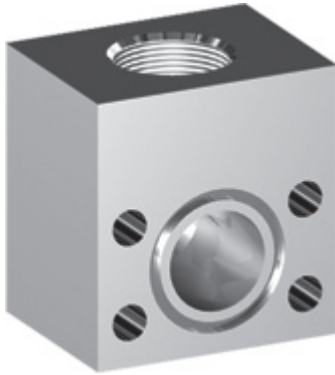
NPTF THREADED ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6161-08-08B	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2	MK 541	5/16-18 x 2	210	1.5
		5/16-18							-----			-----	---		
3/4	3/4	6161-12-12B	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4	MK 542	3/8-16 x 2 1/2	214	2.6
		3/8-16							-----			-----	---		
1	1	6161-16-16B	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1	MK 543	3/8-16 x 2 3/4	219	3.5
		3/8-16							-----			-----	---		
1 1/4	1	6161-20-16B	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1	MK 578	7/16-14 x 3 1/4	222	6.5
		6162-20-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6161-20-20B	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 1/4	MK 578	7/16-14 x 3 1/4	222	6.2
		6162-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/4	6161-24-20B	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/4	MK 545	1/2-13 x 4	225	10.0
		6162-24-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6161-24-24B	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/2	MK 545	1/2-13 x 4	225	9.9
		6162-24-24B							1/2-13			-----	-----	---	
2	1 1/2	6161-32-24B	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/2	MK 558	1/2-13 x 4	228	10.9
		6162-32-24B							1/2-13			-----	-----	---	
2	2	6161-32-32B	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	2	MK 558	1/2-13 x 4	228	10.7
		6162-32-32B							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6161-40-40B	5.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2 1/2	MK 547	1/2-13 x 5	232	17.7
		6162-40-40B							1/2-13			-----	-----	---	
3 ③	3	6161-48-48B	6.00	5.31	4.46	4.188	2.438	2.94	.66	2.25	3	MK 2532	5/8-11 x 5 1/2	237	27.6
		6162-48-48B							5/8-11			-----	-----	---	

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 6161 / 6163

Model 6162 / 6164

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6163-08-08B	2.00	2.22	1.46	1.594	.718	.50	.34	.88	1/2	MK 541	5/16-18 x 2	210	1.6
		6164-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6163-12-12B	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	3/4	MK 542	3/8-16 x 2 1/2	214	2.8
		6164-12-12B							3/8-16			-----	-----	---	
1	1	6163-16-16B	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1	MK 551	7/16-14 x 2 3/4	219	4.4
		6164-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6163-20-20B	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 1/4	MK 552	1/2-13 x 3 1/4	222	6.7
		6164-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6163-24-24B	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 1/2	MK 553	5/8-11 x 4	225	12.1
		6164-24-24B							5/8-11			-----	-----	---	
2	2	6163-32-32B	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2	MK 554	3/4-10 x 4 1/2	228	20.2
		6164-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	6163-40-40B	6.00	6.88	4.00	4.875	2.312	2.44	.94	2.50	2 1/2	MK 555	7/8-9 x 5 1/2	232	37.9
		6164-40-40B							7/8-9			-----	-----	---	
3	3	6163-48-48B	7.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3	MK 756	1 1/8-7 x 7	237	69.0
		6164-48-48B							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

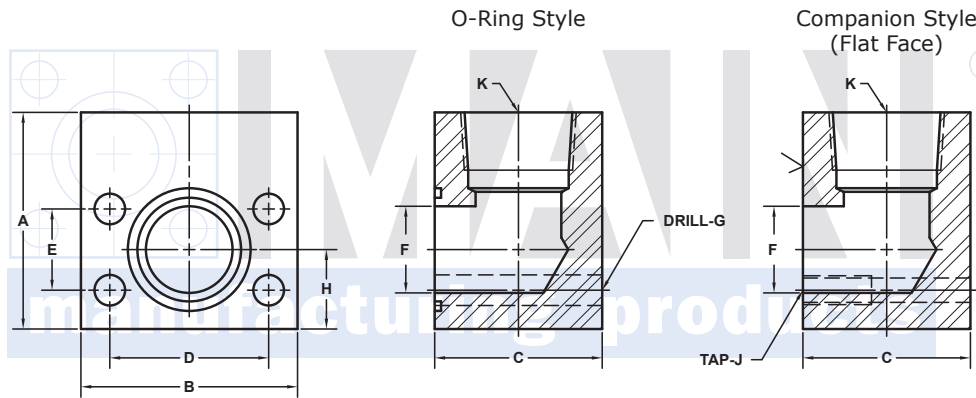
NPTF THREADED ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6161-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2	MK 541	5/16-18 x 2	210	1.5
		6162-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6161-12-12D	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4	MK 542	3/8-16 x 2 1/2	214	2.6
		6162-12-12D							3/8-16			-----	-----	---	
1	1	6161-16-16D	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1	MK 543	3/8-16 x 2 3/4	219	3.5
		6162-16-16D							3/8-16			-----	-----	---	
1 1/4	1	6161-20-16D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1	MK 578	7/16-14 x 3 1/4	222	6.5
		6162-20-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6161-20-20D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 1/4	MK 578	7/16-14 x 3 1/4	222	6.2
		6162-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/4	6161-24-20D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/4	MK 545	1/2-13 x 4	225	10.0
		6162-24-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6161-24-24D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 1/2	MK 545	1/2-13 x 4	225	9.9
		6162-24-24D							1/2-13			-----	-----	---	
2	1 1/2	6161-32-24D	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/2	MK 558	1/2-13 x 4	228	10.9
		6162-32-24D							1/2-13			-----	-----	---	
2	2	6161-32-32D	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	2	MK 558	1/2-13 x 4	228	10.7
		6162-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6161-40-40D	5.00	4.50	3.96	3.500	2.000	2.44	.53	2.00	2 1/2	MK 547	1/2-13 x 5	232	17.7
		6162-40-40D							1/2-13			-----	-----	---	
3 ③	3	6161-48-48D	6.00	5.31	4.46	4.188	2.438	2.94	.66	2.25	3	MK 2532	5/8-11 x 5 1/2	237	27.6
		6162-48-48D							5/8-11			-----	-----	---	

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).

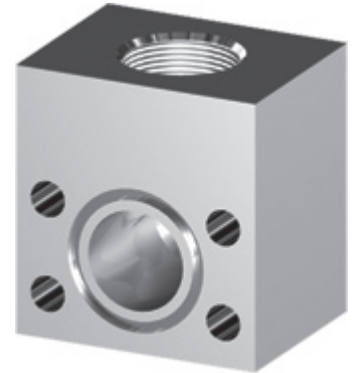
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 6161 / 6163

Model 6162 / 6164



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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K NPTF	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6163-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	1/2	MK 541	5/16-18 x 2	210	1.6
		6164-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6163-12-12D	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	3/4	MK 542	3/8-16 x 2 1/2	214	2.8
		6164-12-12D							3/8-16			-----	-----	---	
1	1	6163-16-16D	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1	MK 551	7/16-14 x 2 3/4	219	4.4
		6164-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6163-20-20D	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 1/4	MK 552	1/2-13 x 3 1/4	222	6.7
		6164-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6163-24-24D	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 1/2	MK 553	5/8-11 x 4	225	12.1
		6164-24-24D							5/8-11			-----	-----	---	
2	2	6163-32-32D	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	2	MK 554	3/4-10 x 4 1/2	228	20.2
		6164-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6163-40-40D	6.00	6.88	4.00	4.875	2.312	2.44	.94	2.50	2 1/2	MK 555	7/8-9 x 5 1/2	232	37.9
		6164-40-40D							7/8-9			-----	-----	---	
3	3	6163-48-48D	7.00	8.50	5.00	6.000	2.812	2.94	1.19	3.00	3	MK 756	1 1/8-7 x 7	237	69.0
		6164-48-48D							1 1/8-7			-----	-----	---	

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

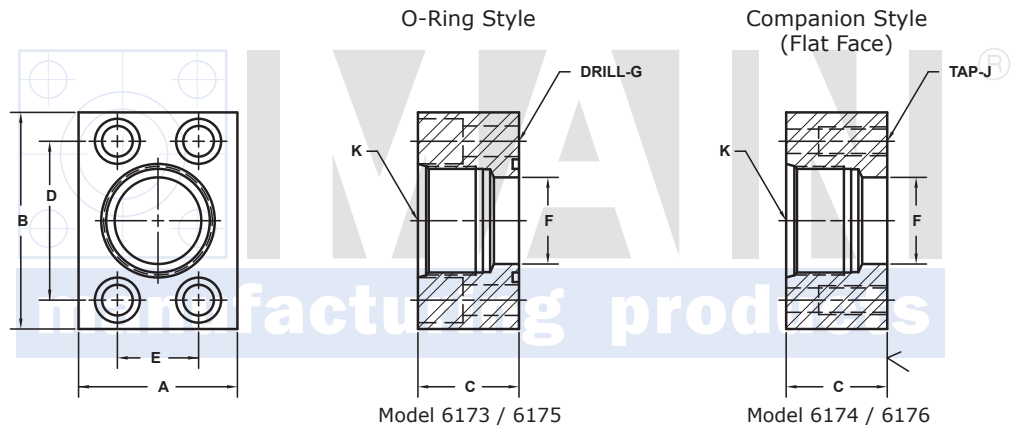
SAE J1926 THREADED IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT®			WT
									J		PART NO.	SCREW SIZE	O-RING	
1/2	-8	6173-08-08B	1.50	2.12	1.25	1.500	.688	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	.9
		6174-08-08B							5/16-18		-----	-----	---	
3/4	-10	6173-12-10B	1.75	2.62	1.50	1.875	.875	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	1.3
		6174-12-10B							3/8-16		-----	-----	---	
3/4	-12	6173-12-12B	1.75	2.62	1.50	1.875	.875	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.4
		6174-12-12B							3/8-16		-----	-----	---	
1	-14	6173-16-14B	2.00	2.82	1.50	2.062	1.031	.75	.41	1 3/16-12	MK 1542	3/8-16 x 1 1/2	219	1.6
		6174-16-14B							3/8-16		-----	-----	---	
1	-16	6173-16-16B	2.00	2.82	1.50	2.062	1.031	1.00	.41	1 5/16-12	MK 1542	3/8-16 x 1 1/2	219	1.7
		6174-16-16B							3/8-16		-----	-----	---	
1 1/4	-16	6173-20-16B	2.50	3.19	1.50	2.312	1.188	1.20	.47	1 5/16-12	MK 1527	7/16-14 x 1 1/2	222	2.6
		6174-20-16B							7/16-14		-----	-----	---	
1 1/4	-20	6173-20-20B	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 5/8-12	MK 1527	7/16-14 x 1 1/2	222	2.3
		6174-20-20B							7/16-14		-----	-----	---	
1 1/2	-24	6173-24-24B	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 7/8-12	MK 1547	1/2-13 x 1 3/4	225	3.5
		6174-24-24B							1/2-13		-----	-----	---	
2	-24	6173-32-24B	3.25	4.00	1.75	3.062	1.688	1.75	.53	1 7/8-12	MK 582	1/2-13 x 1 3/4	228	4.8
		6174-32-24B							1/2-13		-----	-----	---	
2	-32	----	3.25	4.00	1.75	3.062	1.688	1.94	---	2 1/2-12	-----	-----	---	3.9
		6174-32-32B							1/2-13		-----	-----	---	
2 1/2 ②	-32	6173-40-32B	4.00	4.50	1.75	3.500	2.000	2.32	.53	2 1/2-12	MK 1528	1/2-13 x 1 3/4	232	6.3
		6174-40-32B							1/2-13		-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT®			WT
									J		PART NO.	SCREW SIZE	O-RING	
1½	-8	6175-08-08B	1.75	2.22	1.25	1.594	.718	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	1.1
		6176-08-08B							5/16-18		-----	-----	---	
¾	-10	6175-12-10B	2.00	2.81	1.50	2.000	.937	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	2.0
		6176-12-10B							3/8-16		-----	-----	---	
¾	-12	6175-12-12B	2.00	2.81	1.50	2.000	.937	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.8
		6176-12-12B							3/8-16		-----	-----	---	
1	-14	6175-16-14B	2.25	3.19	1.50	2.250	1.093	.75	.47	1 3/16-12	MK 1529	7/16-14 x 1 1/2	219	2.3
		6176-16-14B							7/16-14		-----	-----	---	
1	-16	6175-16-16B	2.25	3.19	1.50	2.250	1.093	1.00	.47	1 5/16-12	MK 1529	7/16-14 x 1 1/2	219	2.3
		6176-16-16B							7/16-14		-----	-----	---	
1¼	-20	6175-20-20B	3.00	3.75	1.50	2.625	1.250	1.25	.53	1 5/8-12	MK 1523	1/2-13 x 1 1/2	222	3.7
		6176-20-20B							1/2-13		-----	-----	---	
1½	-24	6175-24-24B	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 7/8-12	MK 1544	5/8-11 x 1 3/4	225	5.5
		6176-24-24B							5/8-11		-----	-----	---	
2	-32	6175-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	2 1/2-12	MK 563	3/4-10 x 2	228	7.5
		6176-32-32B							3/4-10		-----	-----	---	

① Order Separately

② 2500 PSI Max

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

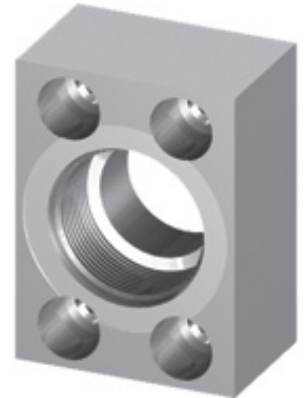
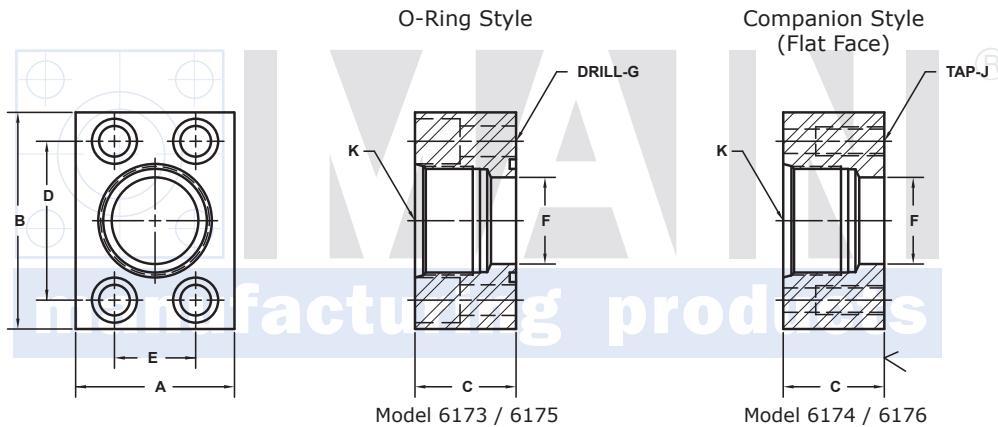
SAE J1926 THREADED IN-LINE FLANGES

SAE BOLT PATTERN										61 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT®			WT
									J		PART NO.	SCREW SIZE	O-RING	
1/2	-8	6173-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	.9
		6174-08-08D							5/16-18		-----	-----	---	
3/4	-10	6173-12-10D	1.75	2.62	1.50	1.875	.875	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	1.3
		6174-12-10D							3/8-16		-----	-----	---	
3/4	-12	6173-12-12D	1.75	2.62	1.50	1.875	.875	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.4
		6174-12-12D							3/8-16		-----	-----	---	
1	-14	6173-16-14D	2.00	2.82	1.50	2.062	1.031	.75	.41	1 3/16-12	MK 1542	3/8-16 x 1 1/2	219	1.6
		6174-16-14D							3/8-16		-----	-----	---	
1	-16	6173-16-16D	2.00	2.82	1.50	2.062	1.031	1.00	.41	1 5/16-12	MK 1542	3/8-16 x 1 1/2	219	1.7
		6174-16-16D							3/8-16		-----	-----	---	
1 1/4	-16	6173-20-16D	2.50	3.19	1.50	2.312	1.188	1.20	.47	1 5/16-12	MK 1527	7/16-14 x 1 1/2	222	2.6
		6174-20-16D							7/16-14		-----	-----	---	
1 1/4	-20	6173-20-20D	2.50	3.19	1.50	2.312	1.188	1.25	.47	1 5/8-12	MK 1527	7/16-14 x 1 1/2	222	2.3
		6174-20-20D							7/16-14		-----	-----	---	
1 1/2	-24	6173-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	.53	1 7/8-12	MK 1547	1/2-13 x 1 3/4	225	3.5
		6174-24-24D							1/2-13		-----	-----	---	
2	-24	6173-32-24D	3.25	4.00	1.75	3.062	1.688	1.75	.53	1 7/8-12	MK 582	1/2-13 x 1 3/4	228	4.8
		6174-32-24D							1/2-13		-----	-----	---	
2	-32	----	3.25	4.00	1.75	3.062	1.688	1.94	---	2 1/2-12	-----	-----	---	3.9
		6174-32-32D							1/2-13		-----	-----	---	
2 1/2 ②	-32	6173-40-32D	4.00	4.50	1.75	3.500	2.000	2.32	.53	2 1/2-12	MK 1528	1/2-13 x 1 3/4	232	6.3
		6174-40-32D							1/2-13		-----	-----	---	

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:
316L Stainless



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

SAE BOLT PATTERN										62 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	MOUNTING KIT ^①			WT
									J		PART NO.	SCREW SIZE	O-RING	
1½	-8	6175-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34	3/4-16	MK 501	5/16-18 x 1 1/4	210	1.1
		6176-08-08D							5/16-18		-----	-----	---	
¾	-10	6175-12-10D	2.00	2.81	1.50	2.000	.937	.50	.41	7/8-14	MK 1525	3/8-16 x 1 1/2	214	2.0
		6176-12-10D							3/8-16		-----	-----	---	
¾	-12	6175-12-12D	2.00	2.81	1.50	2.000	.937	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	1.8
		6176-12-12D							3/8-16		-----	-----	---	
1	-14	6175-16-14D	2.25	3.19	1.50	2.250	1.093	.75	.47	1 3/16-12	MK 1529	7/16-14 x 1 1/2	219	2.3
		6176-16-14D							7/16-14		-----	-----	---	
1	-16	6175-16-16D	2.25	3.19	1.50	2.250	1.093	1.00	.47	1 5/16-12	MK 1529	7/16-14 x 1 1/2	219	2.3
		6176-16-16D							7/16-14		-----	-----	---	
1¼	-20	6175-20-20D	3.00	3.75	1.50	2.625	1.250	1.25	.53	1 5/8-12	MK 1523	1/2-13 x 1 1/2	222	3.7
		6176-20-20D							1/2-13		-----	-----	---	
1½	-24	6175-24-24D	3.25	4.50	1.75	3.125	1.437	1.50	.66	1 7/8-12	MK 1544	5/8-11 x 1 3/4	225	5.5
		6176-24-24D							5/8-11		-----	-----	---	
2	-32	6175-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	2 1/2-12	MK 563	3/4-10 x 2	228	7.5
		6176-32-32D							3/4-10		-----	-----	---	

① Order Separately

② 2500 PSI Max

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

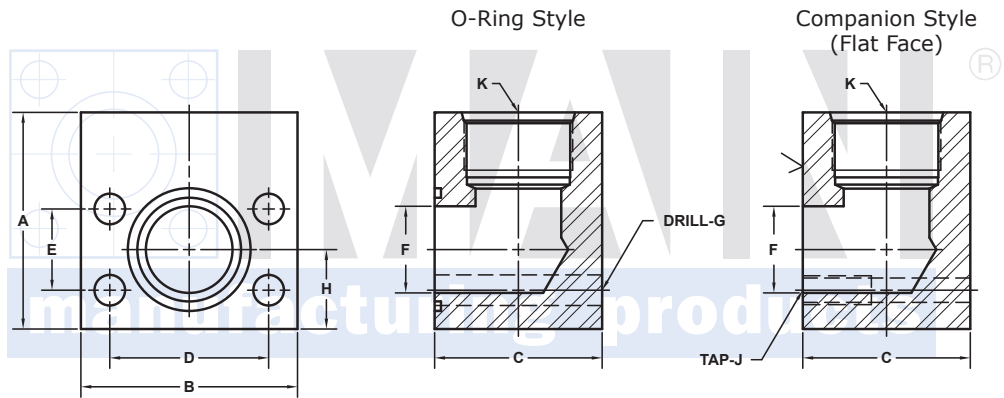
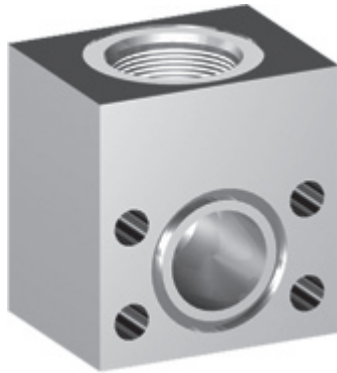
SAE J1926 THREADED ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	-8	6177-08-08B	2.00	2.12	1.44	1.500	.688	.50	.34	.75	3/4-16	MK 541	5/16-18 x 2	210	1.5
		6178-08-08B							5/16-18			-----	-----	---	
3/4	-10	6177-12-10B	2.50	2.62	1.70	1.875	.875	.50	.41	.88	7/8-14	MK 542	3/8-16 x 2 1/2	214	2.7
		6178-12-10B							3/8-16			-----	-----	---	
3/4	-12	6177-12-12B	2.50	2.62	1.70	1.875	.875	.75	.41	.88	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.5
		6178-12-12B							3/8-16			-----	-----	---	
1	-14	6177-16-14B	3.00	2.82	1.94	2.062	1.031	.75	.41	1.00	1 3/16-12	MK 543	3/8-16 x 2 3/4	219	3.9
		6178-16-14B							3/8-16			-----	-----	---	
1	-16	6177-16-16B	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1 5/16-12	MK 543	3/8-16 x 2 3/4	219	3.7
		6178-16-16B							3/8-16			-----	-----	---	
1 1/4	-16	6177-20-16B	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/16-12	MK 578	7/16-14 x 3 1/4	222	6.3
		6178-20-16B							7/16-14			-----	-----	---	
1 1/4	-20	6177-20-20B	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/8-12	MK 578	7/16-14 x 3 1/4	222	6.1
		6178-20-20B							7/16-14			-----	-----	---	
1 1/2	-20	6177-24-20B	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 5/8-12	MK 545	1/2-13 x 4	225	10.0
		6178-24-20B							1/2-13			-----	-----	---	
1 1/2	-24	6177-24-24B	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 7/8-12	MK 545	1/2-13 x 4	225	9.8
		6178-24-24B							1/2-13			-----	-----	---	
2	-24	6177-32-24B	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.62	1 7/8-12	MK 558	1/2-13 x 4	228	11.1
		6178-32-24B							1/2-13			-----	-----	---	
2	-32	6177-32-32B	4.25	4.00	3.94	3.062	1.688	1.94	.53	1.62	2 1/2-12	MK 592	1/2-13 x 5	228	13.9
		6178-32-32B							1/2-13			-----	-----	---	

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 6177 / 6179

Model 6178 / 6180

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	-8	6179-08-08B	2.00	2.22	1.46	1.594	.718	.50	.34	.88	3/4-16	MK 541	5/16-18 x 2	210	1.6
		6180-08-08B							5/16-18			-----	-----	---	
¾	-10	6179-12-10B	2.50	2.81	1.70	2.000	.937	.50	.41	1.00	7/8-14	MK 542	3/8-16 x 2 1/2	214	3.0
		6180-12-10B							3/8-16			-----	-----	---	
¾	-12	6179-12-12B	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.8
		6180-12-12B							3/8-16			-----	-----	---	
1	-14	6179-16-14B	3.00	3.19	1.96	2.250	1.093	.75	.47	1.12	1 3/16-12	MK 551	7/16-14 x 2 3/4	219	4.5
		6180-16-14B							7/16-14			-----	-----	---	
1	-16	6179-16-16B	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1 5/16-12	MK 551	7/16-14 x 2 3/4	219	4.3
		6180-16-16B							7/16-14			-----	-----	---	
1¼	-20	6179-20-20B	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 5/8-12	MK 552	1/2-13 x 3 1/4	222	8.6
		6180-20-20B							1/2-13			-----	-----	---	
1½	-24	6179-24-24B	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 7/8-12	MK 553	5/8-11 x 4	225	12.2
		6180-24-24B							5/8-11			-----	-----	---	
2	-32	6179-32-32B	5.00	5.25	3.94	3.812	1.750	1.94	.78	2.00	2 1/2-12	MK 1507	3/4-10 x 5	228	21.1
		6180-32-32B							3/4-10			-----	-----	---	

① Order Separately

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

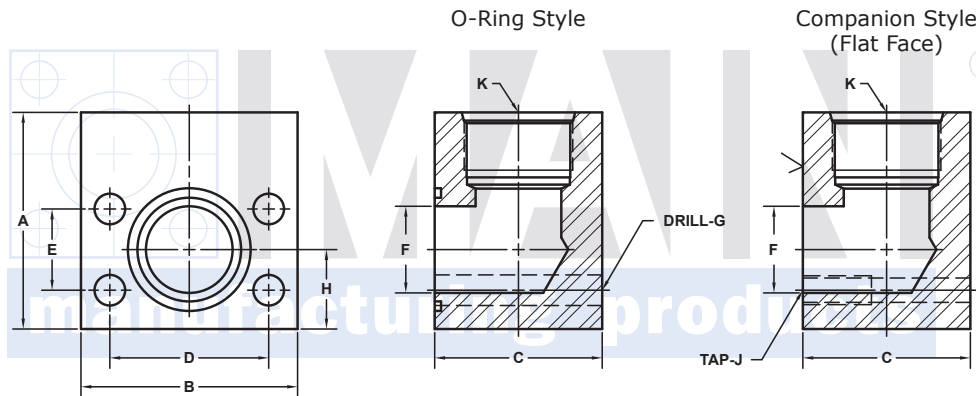
SAE J1926 THREADED ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	-8	6177-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	3/4-16	MK 541	5/16-18 x 2	210	1.5
		6178-08-08D							5/16-18			-----	-----	---	
3/4	-10	6177-12-10D	2.50	2.62	1.70	1.875	.875	.50	.41	.88	7/8-14	MK 542	3/8-16 x 2 1/2	214	2.7
		6178-12-10D							3/8-16			-----	-----	---	
3/4	-12	6177-12-12D	2.50	2.62	1.70	1.875	.875	.75	.41	.88	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.5
		6178-12-12D							3/8-16			-----	-----	---	
1	-14	6177-16-14D	3.00	2.82	1.94	2.062	1.031	.75	.41	1.00	1 3/16-12	MK 543	3/8-16 x 2 3/4	219	3.9
		6178-16-14D							3/8-16			-----	-----	---	
1	-16	6177-16-16D	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	1 5/16-12	MK 543	3/8-16 x 2 3/4	219	3.7
		6178-16-16D							3/8-16			-----	-----	---	
1 1/4	-16	6177-20-16D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/16-12	MK 578	7/16-14 x 3 1/4	222	6.3
		6178-20-16D							7/16-14			-----	-----	---	
1 1/4	-20	6177-20-20D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/8-12	MK 578	7/16-14 x 3 1/4	222	6.1
		6178-20-20D							7/16-14			-----	-----	---	
1 1/2	-20	6177-24-20D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 5/8-12	MK 545	1/2-13 x 4	225	10.0
		6178-24-20D							1/2-13			-----	-----	---	
1 1/2	-24	6177-24-24D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	1 7/8-12	MK 545	1/2-13 x 4	225	9.8
		6178-24-24D							1/2-13			-----	-----	---	
2	-24	6177-32-24D	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.62	1 7/8-12	MK 558	1/2-13 x 4	228	11.1
		6178-32-24D							1/2-13			-----	-----	---	
2	-32	6177-32-32D	4.25	4.00	3.94	3.062	1.688	1.94	.53	1.62	2 1/2-12	MK 592	1/2-13 x 5	228	13.9
		6178-32-32D							1/2-13			-----	-----	---	

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:
316L Stainless



Model 6177 / 6179

Model 6178 / 6180

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	-8	6179-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	3/4-16	MK 541	5/16-18 x 2	210	1.6
		6180-08-08D							5/16-18			-----	-----	---	
¾	-10	6179-12-10D	2.50	2.81	1.70	2.000	.937	.50	.41	1.00	7/8-14	MK 542	3/8-16 x 2 1/2	214	3.0
		6180-12-10D							3/8-16			-----	-----	---	
¾	-12	6179-12-12D	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	2.8
		6180-12-12D							3/8-16			-----	-----	---	
1	-14	6179-16-14D	3.00	3.19	1.96	2.250	1.093	.75	.47	1.12	1 3/16-12	MK 551	7/16-14 x 2 3/4	219	4.5
		6180-16-14D							7/16-14			-----	-----	---	
1	-16	6179-16-16D	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	1 5/16-12	MK 551	7/16-14 x 2 3/4	219	4.3
		6180-16-16D							7/16-14			-----	-----	---	
1¼	-20	6179-20-20D	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	1 5/8-12	MK 552	1/2-13 x 3 1/4	222	8.6
		6180-20-20D							1/2-13			-----	-----	---	
1½	-24	6179-24-24D	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	1 7/8-12	MK 553	5/8-11 x 4	225	12.2
		6180-24-24D							5/8-11			-----	-----	---	
2	-32	6179-32-32D	5.00	5.25	3.94	3.812	1.750	1.94	.78	2.00	2 1/2-12	MK 1507	3/4-10 x 5	228	21.1
		6180-32-32D							3/4-10			-----	-----	---	

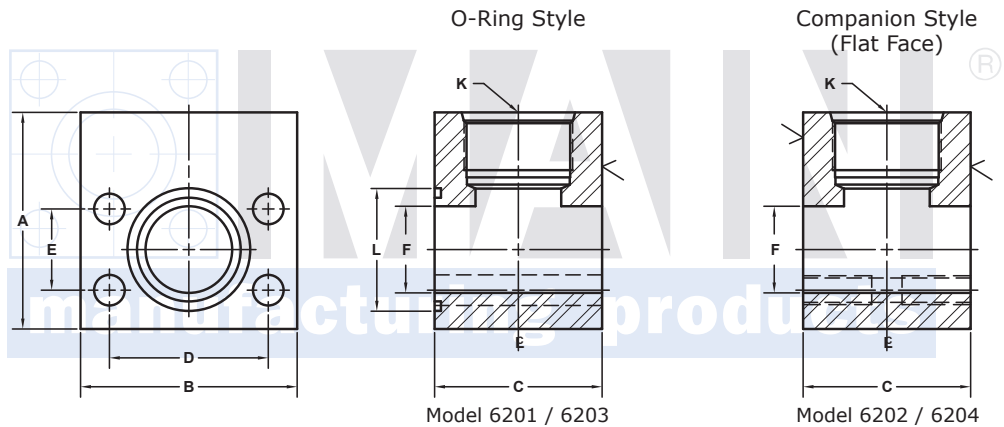
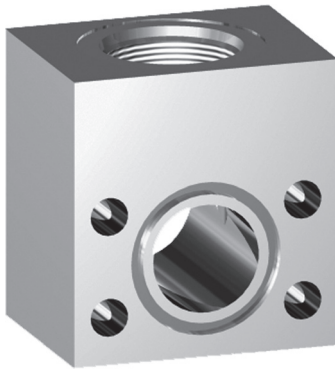
① Order Separately

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED RUN TEE FLANGES

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	6201-08-08B	2.00	2.12	1.44	1.500	.688	.50	3/4-16	1.000	210	1.5
		6202-08-08B								---	---	
1/2	-12	6201-08-12B	2.75	2.12	1.75	1.500	.688	.50	1 1/16-12	1.000	210	2.3
		6202-08-12B								---	---	
3/4	-8	6201-12-08B	2.50	2.62	1.70	1.875	.875	.75	3/4-16	1.250	214	2.7
		6202-12-08B								---	---	
3/4	-10	6201-12-10B	2.50	2.62	1.70	1.875	.875	.75	7/8-14	1.250	214	2.7
		6202-12-10B								---	---	
3/4	-12	6201-12-12B	2.50	2.62	1.70	1.875	.875	.75	1 1/16-12	1.250	214	2.5
		6202-12-12B								---	---	
1	-12	6201-16-12B	3.00	2.82	1.94	2.062	1.031	1.00	1 1/16-12	1.562	219	3.8
		6202-16-12B								---	---	
1	-14	6201-16-14B	3.00	2.82	1.94	2.062	1.031	1.00	1 3/16-12	1.562	219	3.7
		6202-16-14B								---	---	
1	-16	6201-16-16B	3.00	2.82	1.94	2.062	1.031	1.00	1 5/16-12	1.562	219	3.5
		6202-16-16B								---	---	
1 1/4	-20	6201-20-20B	3.50	3.19	2.40	2.312	1.188	1.25	1 5/8-12	1.750	222	5.7
		6202-20-20B								---	---	
1 1/2	-24	6201-24-24B	4.00	3.75	2.90	2.750	1.406	1.50	1 7/8-12	2.125	225	10.0
		6202-24-24B								---	---	
2	-32	6201-32-32B	4.25	4.00	3.94	3.062	1.688	1.94	2 1/2-12	2.500	228	14.0
		6202-32-32B								---	---	

MATERIAL:
304L Stainless



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

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	6203-08-08B	2.00	2.22	1.46	1.594	.718	.50	3/4-16	1.000	210	1.7
		6204-08-08B								---	---	
3/4	-10	6203-12-10B	2.50	2.81	1.70	2.000	.937	.75	7/8-14	1.250	214	3.0
		6204-12-10B								---	---	
3/4	-12	6203-12-12B	2.50	2.81	1.70	2.000	.937	.75	1 1/16-12	1.250	214	2.7
		6204-12-12B								---	---	
1	-14	6203-16-14B	3.00	3.19	1.96	2.250	1.093	1.00	1 3/16-12	1.562	219	4.5
		6204-16-14B								---	---	
1	-16	6203-16-16B	3.00	3.19	1.96	2.250	1.093	1.00	1 5/16-12	1.562	219	4.5
		6204-16-16B								---	---	
1 1/4	-20	6203-20-20B	4.00	3.75	2.44	2.625	1.250	1.25	1 5/8-12	1.750	222	7.8
		6204-20-20B								---	---	
1 1/2	-24	6203-24-24B	4.00	4.50	2.96	3.125	1.437	1.50	1 7/8-12	2.125	225	12.0
		6204-24-24B								---	---	
2	-32	6203-32-32B	5.00	5.25	3.94	3.812	1.750	1.94	2 1/2-12	2.500	228	20.2
		6204-32-32B								---	---	

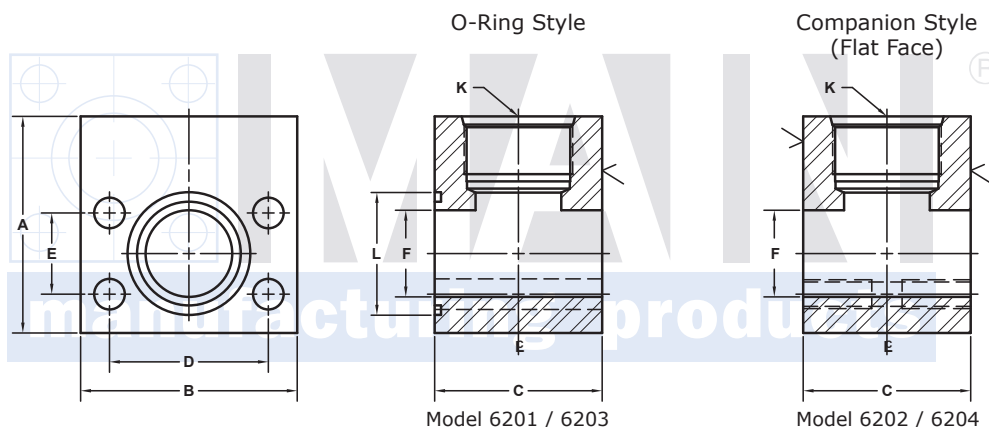
① Includes Buna-N O-Ring

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

SAE J1926 THREADED RUN TEE FLANGES

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	6201-08-08D	2.00	2.12	1.44	1.500	.688	.50	3/4-16	1.000	210	1.5
		6202-08-08D								---	---	
1/2	-12	6201-08-12D	2.75	2.12	1.75	1.500	.688	.50	1 1/16-12	1.000	210	2.3
		6202-08-12D								---	---	
3/4	-8	6201-12-08D	2.50	2.62	1.70	1.875	.875	.75	3/4-16	1.250	214	2.7
		6202-12-08D								---	---	
3/4	-10	6201-12-10D	2.50	2.62	1.70	1.875	.875	.75	7/8-14	1.250	214	2.7
		6202-12-10D								---	---	
3/4	-12	6201-12-12D	2.50	2.62	1.70	1.875	.875	.75	1 1/16-12	1.250	214	2.5
		6202-12-12D								---	---	
1	-12	6201-16-12D	3.00	2.82	1.94	2.062	1.031	1.00	1 1/16-12	1.562	219	3.8
		6202-16-12D								---	---	
1	-14	6201-16-14D	3.00	2.82	1.94	2.062	1.031	1.00	1 3/16-12	1.562	219	3.7
		6202-16-14D								---	---	
1	-16	6201-16-16D	3.00	2.82	1.94	2.062	1.031	1.00	1 5/16-12	1.562	219	3.5
		6202-16-16D								---	---	
1 1/4	-20	6201-20-20D	3.50	3.19	2.40	2.312	1.188	1.25	1 5/8-12	1.750	222	5.7
		6202-20-20D								---	---	
1 1/2	-24	6201-24-24D	4.00	3.75	2.90	2.750	1.406	1.50	1 7/8-12	2.125	225	10.0
		6202-24-24D								---	---	
2	-32	6201-32-32D	4.25	4.00	3.94	3.062	1.688	1.94	2 1/2-12	2.500	228	14.0
		6202-32-32D								---	---	

MATERIAL:
316L Stainless



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

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	-8	6203-08-08D	2.00	2.22	1.46	1.594	.718	.50	3/4-16	1.000	210	1.7
		6204-08-08D								---	---	
3/4	-10	6203-12-10D	2.50	2.81	1.70	2.000	.937	.75	7/8-14	1.250	214	3.0
		6204-12-10D								---	---	
3/4	-12	6203-12-12D	2.50	2.81	1.70	2.000	.937	.75	1 1/16-12	1.250	214	2.7
		6204-12-12D								---	---	
1	-14	6203-16-14D	3.00	3.19	1.96	2.250	1.093	1.00	1 3/16-12	1.562	219	4.5
		6204-16-14D								---	---	
1	-16	6203-16-16D	3.00	3.19	1.96	2.250	1.093	1.00	1 5/16-12	1.562	219	4.5
		6204-16-16D								---	---	
1 1/4	-20	6203-20-20D	4.00	3.75	2.44	2.625	1.250	1.25	1 5/8-12	1.750	222	7.8
		6204-20-20D								---	---	
1 1/2	-24	6203-24-24D	4.00	4.50	2.96	3.125	1.437	1.50	1 7/8-12	2.125	225	12.0
		6204-24-24D								---	---	
2	-32	6203-32-32D	5.00	5.25	3.94	3.812	1.750	1.94	2 1/2-12	2.500	228	20.2
		6204-32-32D								---	---	

① Includes Buna-N O-Ring

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

BUTT WELD IN-LINE FLANGES

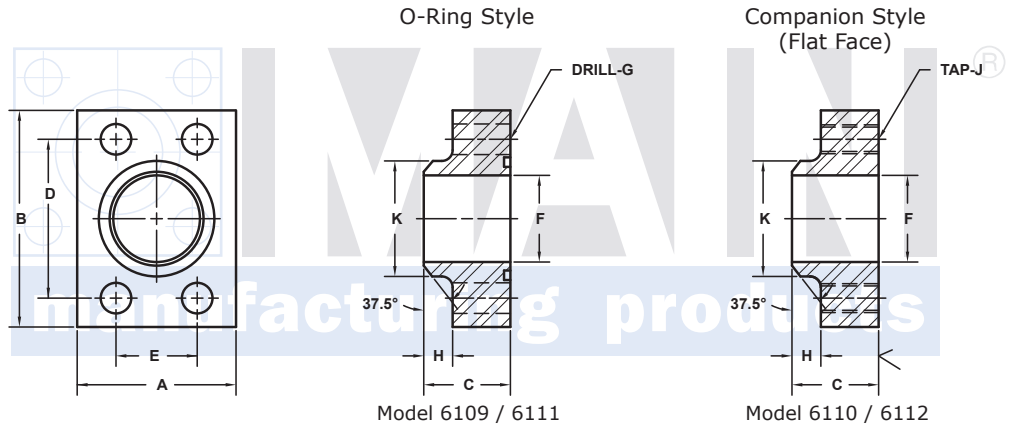
For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT ^①			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6109-08-08B	1.50	2.12	1.25	1.500	.688	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6110-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6109-12-12B	1.75	2.62	1.25	1.875	.875	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		6110-12-12B							3/8-16			-----	-----	---	
1	1	6109-16-16B	2.00	2.82	1.25	2.062	1.031	.94	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		6110-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	6109-20-20B	2.50	3.19	1.25	2.312	1.188	1.25	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		6110-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	6109-24-24B	2.75	3.75	1.50	2.750	1.406	1.50	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		6110-24-24B							1/2-13			-----	-----	---	
2	2	6109-32-32B	3.25	4.00	1.50	3.062	1.688	1.94	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		6110-32-32B							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	6109-40-40B	4.00	4.50	1.75	3.500	2.000	2.32	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		6110-40-40B							1/2-13			-----	-----	---	
3 ^③	3	6109-48-48B	4.50	5.31	2.00	4.188	2.438	2.90	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		6110-48-48B							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	6109-56-56B	5.00	6.00	1.50	4.750	2.750	3.36	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		6110-56-56B							5/8-11			-----	-----	---	
4 ^④	4	6109-64-64B	5.50	6.38	1.50	5.125	3.062	3.83	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		6110-64-64B							5/8-11			-----	-----	---	
5 ^④	5	6109-80-80B	7.00	7.25	2.00	6.000	3.625	4.81	.66	.50	5.62	MK 1573	5/8-11 x 2 1/2	253	14.3
		6110-80-80B							5/8-11			-----	-----	---	

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.



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

SAE BOLT PATTERN										62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	6111-08-08B	1.75	2.22	1.25	1.594	.718	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8	
		6112-08-08B							5/16-18			-----	-----	---		
3/4	3/4	6111-12-12B	2.00	2.81	1.25	2.000	.937	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3	
		6112-12-12B							3/8-16			-----	-----	---		
1	1	6111-16-16B	2.25	3.19	1.25	2.250	1.093	.94	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5	
		6112-16-16B							7/16-14			-----	-----	---		
1 1/4	1 1/4	6111-20-20B	2.75	3.75	1.25	2.625	1.250	1.25	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1	
		6112-20-20B							1/2-13			-----	-----	---		
1 1/2	1 1/2	6111-24-24B	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3	
		6112-24-24B							5/8-11			-----	-----	---		
2	2	6111-32-32B	4.00	5.25	1.75	3.812	1.750	1.94	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9	
		6112-32-32B							3/4-10			-----	-----	---		
2 1/2	2 1/2	6111-40-40B	5.00	6.88	2.00	4.875	2.312	2.32	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0	
		6112-40-40B							7/8-9			-----	-----	---		
3	3	6111-48-48B	6.00	8.50	2.50	6.000	2.812	2.90	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3	
		6112-48-48B							1 1/8-7			-----	-----	---		

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES

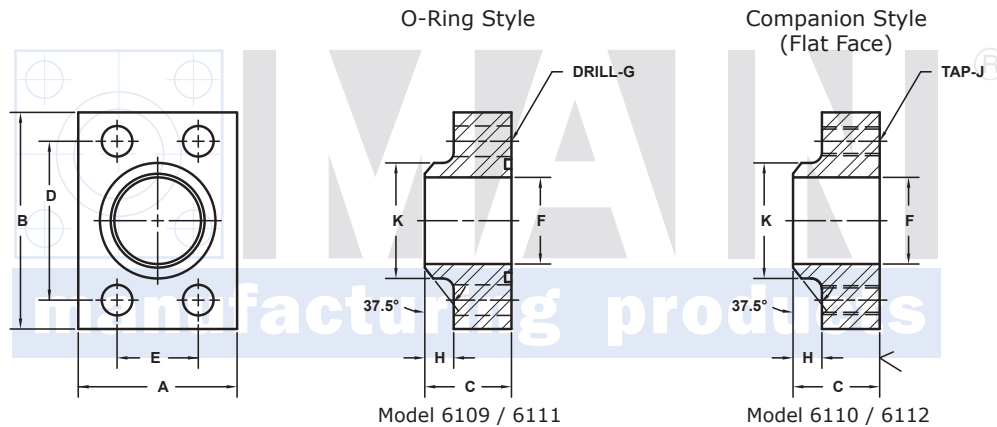
For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6109-08-08D	1.50	2.12	1.25	1.500	.688	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6110-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6109-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		6110-12-12D							3/8-16			-----	-----	---	
1	1	6109-16-16D	2.00	2.82	1.25	2.062	1.031	.94	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		6110-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6109-20-20D	2.50	3.19	1.25	2.312	1.188	1.25	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		6110-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6109-24-24D	2.75	3.75	1.50	2.750	1.406	1.50	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		6110-24-24D							1/2-13			-----	-----	---	
2	2	6109-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		6110-32-32D							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	6109-40-40D	4.00	4.50	1.75	3.500	2.000	2.32	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		6110-40-40D							1/2-13			-----	-----	---	
3 ^③	3	6109-48-48D	4.50	5.31	2.00	4.188	2.438	2.90	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		6110-48-48D							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	6109-56-56D	5.00	6.00	1.50	4.750	2.750	3.36	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		6110-56-56D							5/8-11			-----	-----	---	
4 ^④	4	6109-64-64D	5.50	6.38	1.50	5.125	3.062	3.83	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		6110-64-64D							5/8-11			-----	-----	---	
5 ^④	5	6109-80-80D	7.00	7.25	2.00	6.000	3.625	4.81	.66	.50	5.62	MK 1573	5/8-11 x 2 1/2	253	14.3
		6110-80-80D							5/8-11			-----	-----	---	

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:
316L Stainless



Model 6109 / 6111

Model 6110 / 6112



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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6111-08-08D	1.75	2.22	1.25	1.594	.718	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		6112-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6111-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		6112-12-12D							3/8-16			-----	-----	---	
1	1	6111-16-16D	2.25	3.19	1.25	2.250	1.093	.94	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5
		6112-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6111-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1
		6112-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6111-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		6112-24-24D							5/8-11			-----	-----	---	
2	2	6111-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		6112-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6111-40-40D	5.00	6.88	2.00	4.875	2.312	2.32	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		6112-40-40D							7/8-9			-----	-----	---	
3	3	6111-48-48D	6.00	8.50	2.50	6.000	2.812	2.90	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		6112-48-48D							1 1/8-7			-----	-----	---	

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

® Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES

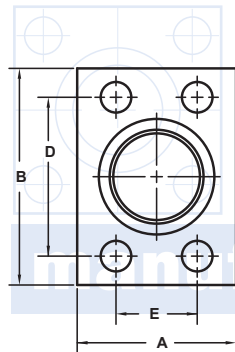
For Schedule 160 Pipe ⑥

SAE BOLT PATTERN										61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT	
									J			PART NO.	SCREW SIZE	O-RING		
1/2	1/2	6117-08-08B	1.50	2.12	1.25	1.500	.688	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7	
		6118-08-08B							5/16-18			-----	-----	---		
3/4	3/4	6117-12-12B	1.75	2.62	1.25	1.875	.875	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0	
		6118-12-12B							3/8-16			-----	-----	---		
1	1	6117-16-16B	2.00	2.82	1.25	2.062	1.031	.81	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2	
		6118-16-16B							3/8-16			-----	-----	---		
1 1/4	1 1/4	6117-20-20B	2.50	3.19	1.25	2.312	1.188	1.16	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6	
		6118-20-20B							7/16-14			-----	-----	---		
1 1/2	1 1/2	6117-24-24B	2.75	3.75	1.50	2.750	1.406	1.34	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3	
		6118-24-24B							1/2-13			-----	-----	---		
2	2	6117-32-32B	3.25	4.00	1.50	3.062	1.688	1.69	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8	
		6118-32-32B							1/2-13			-----	-----	---		
2 1/2 ^②	2 1/2	6117-40-40B	4.00	4.50	1.75	3.500	2.000	2.12	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8	
		6118-40-40B							1/2-13			-----	-----	---		
3 ^③	3	6117-48-48B	4.50	5.31	2.00	4.188	2.438	2.62	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2	
		6118-48-48B							5/8-11			-----	-----	---		
3 1/2 ^④	3 1/2	6117-56-56B	5.00	6.00	1.50	4.750	2.750	3.00	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9	
		6118-56-56B							5/8-11			-----	-----	---		
4 ^④	4	6117-64-64B	5.50	6.38	1.50	5.125	3.062	3.44	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7	
		6118-64-64B							5/8-11			-----	-----	---		
5 ^④	5	6117-80-80B	7.00	7.25	2.00	6.000	3.625	4.31	.66	.50	5.62	MK 1573	5/8-11 x 2 1/2	253	14.3	
		6118-80-80B							5/8-11			-----	-----	---		

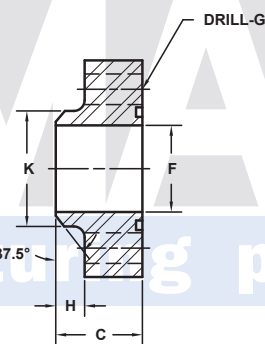
MATERIAL:
304L Stainless

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.

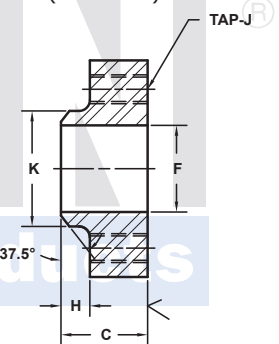


O-Ring Style



Model 6117 / 6119

Companion Style
(Flat Face)



Model 6118 / 6120

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

SAE BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6119-08-08B	1.75	2.22	1.25	1.594	.718	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		6120-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6119-12-12B	2.00	2.81	1.25	2.000	.937	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		6120-12-12B							3/8-16			-----	-----	---	
1	1	6119-16-16B	2.25	3.19	1.25	2.250	1.093	.81	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5
		6120-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6119-20-20B	2.75	3.75	1.25	2.625	1.250	1.16	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1
		6120-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6119-24-24B	3.25	4.50	1.50	3.125	1.437	1.34	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		6120-24-24B							5/8-11			-----	-----	---	
2	2	6119-32-32B	4.00	5.25	1.75	3.812	1.750	1.69	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		6120-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	6119-40-40B	5.00	6.88	2.00	4.875	2.312	2.12	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		6120-40-40B							7/8-9			-----	-----	---	
3	3	6119-48-48B	6.00	8.50	2.50	6.000	2.812	2.62	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		6120-48-48B							1 1/8-7			-----	-----	---	

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD IN-LINE FLANGES

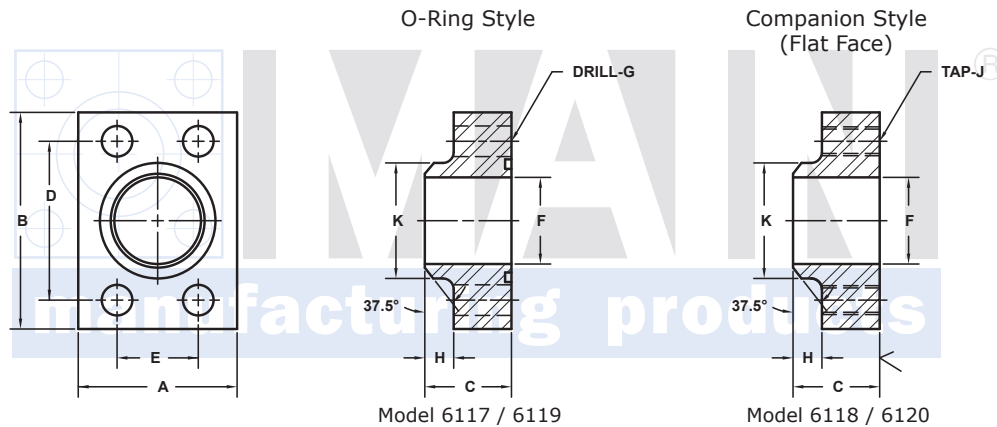
For Schedule 160 Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6117-08-08D	1.50	2.12	1.25	1.500	.688	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6118-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6117-12-12D	1.75	2.62	1.25	1.875	.875	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		6118-12-12D							3/8-16			-----	-----	---	
1	1	6117-16-16D	2.00	2.82	1.25	2.062	1.031	.81	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		6118-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6117-20-20D	2.50	3.19	1.25	2.312	1.188	1.16	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		6118-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6117-24-24D	2.75	3.75	1.50	2.750	1.406	1.34	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		6118-24-24D							1/2-13			-----	-----	---	
2	2	6117-32-32D	3.25	4.00	1.50	3.062	1.688	1.69	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		6118-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6117-40-40D	4.00	4.50	1.75	3.500	2.000	2.12	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		6118-40-40D							1/2-13			-----	-----	---	
3 ③	3	6117-48-48D	4.50	5.31	2.00	4.188	2.438	2.62	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		6118-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	6117-56-56D	5.00	6.00	1.50	4.750	2.750	3.00	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		6118-56-56D							5/8-11			-----	-----	---	
4 ④	4	6117-64-64D	5.50	6.38	1.50	5.125	3.062	3.44	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		6118-64-64D							5/8-11			-----	-----	---	
5 ④	5	6117-80-80D	7.00	7.25	2.00	6.000	3.625	4.31	.66	.50	5.62	MK 1573	5/8-11 x 2 1/2	253	14.3
		6118-80-80D							5/8-11			-----	-----	---	

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:
316L Stainless



Model 6117 / 6119

Model 6118 / 6120



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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1½	1½	6119-08-08D	1.75	2.22	1.25	1.594	.718	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		5/16-18							-----			-----	---		
¾	¾	6119-12-12D	2.00	2.81	1.25	2.000	.937	.61	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		3/8-16							-----			-----	---		
1	1	6119-16-16D	2.25	3.19	1.25	2.250	1.093	.81	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5
		7/16-14							-----			-----	---		
1¼	1¼	6119-20-20D	2.75	3.75	1.25	2.625	1.250	1.16	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1
		1/2-13							-----			-----	---		
1½	1½	6119-24-24D	3.25	4.50	1.50	3.125	1.437	1.34	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		5/8-11							-----			-----	---		
2	2	6119-32-32D	4.00	5.25	1.75	3.812	1.750	1.69	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		3/4-10							-----			-----	---		
2½	2½	6119-40-40D	5.00	6.88	2.00	4.875	2.312	2.12	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		7/8-9							-----			-----	---		
3	3	6119-48-48D	6.00	8.50	2.50	6.000	2.812	2.62	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		1 1/8-7							-----			-----	---		

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES

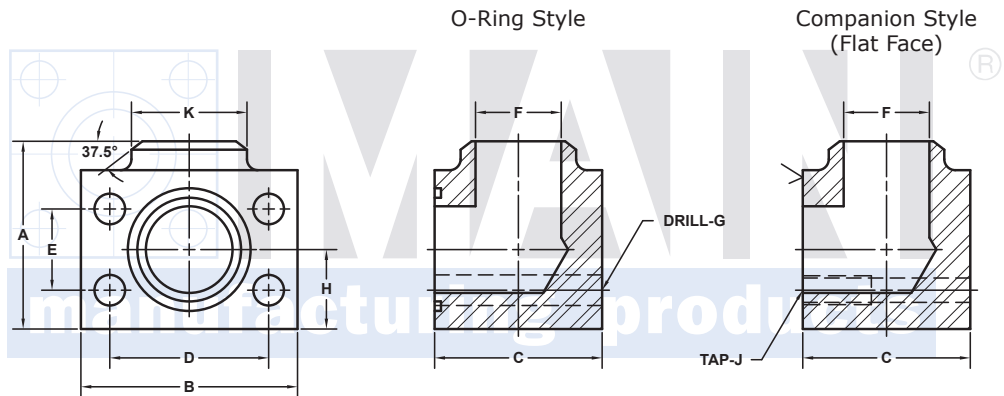
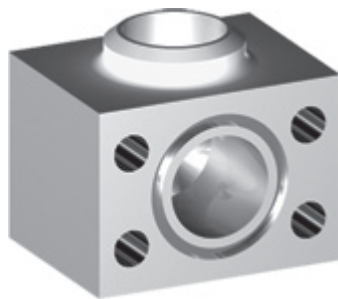
For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6137-08-08B	2.00	2.12	1.44	1.500	.688	.53	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6138-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6137-12-12B	2.25	2.62	1.70	1.875	.875	.75	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.0
		6138-12-12B							3/8-16			-----	-----	---	
1	1	6137-16-16B	2.50	2.82	1.94	2.062	1.031	.94	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		6138-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	6137-20-20B	3.00	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.8
		6138-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	6137-24-24B	3.25	3.75	2.90	2.750	1.406	1.50	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.8
		6138-24-24B							1/2-13			-----	-----	---	
2	2	6137-32-32B	3.75	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.5
		6138-32-32B							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	6137-40-40B	4.50	4.50	3.96	3.500	2.000	2.32	.53	2.00	3.00	MK 547	1/2-13 x 5	232	15.4
		6138-40-40B							1/2-13			-----	-----	---	
3 ^③	3	6137-48-48B	5.00	5.31	4.96	4.188	2.438	2.90	.66	2.25	3.50	MK 548	5/8-11 x 6	237	24.2
		6138-48-48B							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	6137-56-56B	5.50	6.00	5.40	4.750	2.750	3.36	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	37.0
		6138-56-56B							5/8-11			-----	-----	---	
4 ^④	4	6137-64-64B	6.00	6.38	5.96	5.125	3.062	3.83	.66	2.75	4.50	MK 550	5/8-11 x 7	245	48.0
		6138-64-64B							5/8-11			-----	-----	---	
5 ^④	5	6137-80-80B	7.50	7.25	6.90	6.000	3.625	4.81	.66	3.38	5.62	MK 1569	5/8-11 x 8	253	61.4
		6138-80-80B							5/8-11			-----	-----	---	

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 6137 / 6139

Model 6138 / 6140

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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6139-08-08B	2.25	2.22	1.46	1.594	.718	.53	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		6140-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6139-12-12B	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		6140-12-12B							3/8-16			-----	-----	---	
1	1	6139-16-16B	2.75	3.19	2.21	2.250	1.093	.94	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		6140-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6139-20-20B	3.25	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.4
		6140-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6139-24-24B	3.75	4.50	2.96	3.125	1.437	1.50	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.2
		6140-24-24B							5/8-11			-----	-----	---	
2	2	6139-32-32B	4.50	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	17.0
		6140-32-32B							3/4-10			-----	-----	---	
2 1/2	2 1/2	6139-40-40B	5.50	6.88	4.50	4.875	2.312	2.32	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	33.2
		6140-40-40B							7/8-9			-----	-----	---	
3	3	6139-48-48B	6.50	8.50	5.00	6.000	2.812	2.90	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	48.0
		6140-48-48B							1 1/8-7			-----	-----	---	

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES

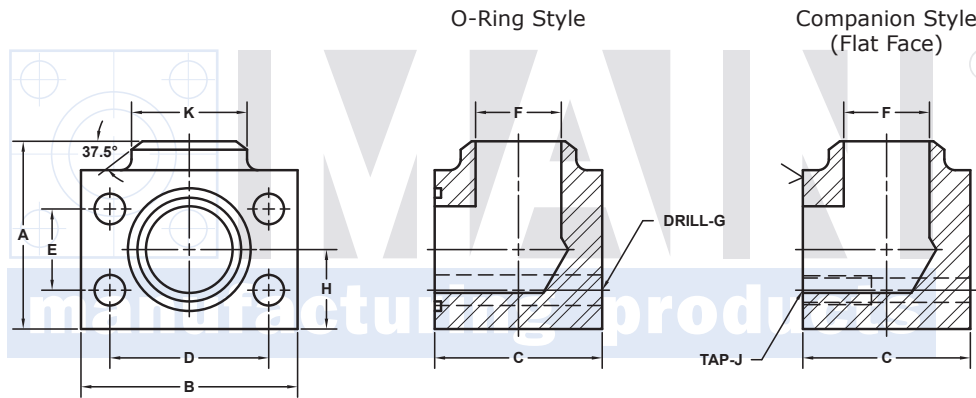
For Schedule 80 Pipe ®

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6137-08-08D	2.00	2.12	1.44	1.500	.688	.53	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6138-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6137-12-12D	2.25	2.62	1.70	1.875	.875	.75	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.0
		6138-12-12D							3/8-16			-----	-----	---	
1	1	6137-16-16D	2.50	2.82	1.94	2.062	1.031	.94	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		6138-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6137-20-20D	3.00	3.19	2.40	2.312	1.188	1.25	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.8
		6138-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6137-24-24D	3.25	3.75	2.90	2.750	1.406	1.50	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.8
		6138-24-24D							1/2-13			-----	-----	---	
2	2	6137-32-32D	3.75	4.00	3.40	3.062	1.688	1.94	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.5
		6138-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6137-40-40D	4.50	4.50	3.96	3.500	2.000	2.32	.53	2.00	3.00	MK 547	1/2-13 x 5	232	15.4
		6138-40-40D							1/2-13			-----	-----	---	
3 ③	3	6137-48-48D	5.00	5.31	4.96	4.188	2.438	2.90	.66	2.25	3.50	MK 548	5/8-11 x 6	237	24.2
		6138-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	6137-56-56D	5.50	6.00	5.40	4.750	2.750	3.36	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	37.0
		6138-56-56D							5/8-11			-----	-----	---	
4 ④	4	6137-64-64D	6.00	6.38	5.96	5.125	3.062	3.83	.66	2.75	4.50	MK 550	5/8-11 x 7	245	48.0
		6138-64-64D							5/8-11			-----	-----	---	
5 ④	5	6137-80-80D	7.50	7.25	6.90	6.000	3.625	4.81	.66	3.38	5.62	MK 1569	5/8-11 x 8	253	61.4
		6138-80-80D							5/8-11			-----	-----	---	

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:
316L Stainless



Model 6137 / 6139

Model 6138 / 6140

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

SAE BOLT PATTERN									62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6139-08-08D	2.25	2.22	1.46	1.594	.718	.53	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		6140-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6139-12-12D	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		6140-12-12D							3/8-16			-----	-----	---	
1	1	6139-16-16D	2.75	3.19	2.21	2.250	1.093	.94	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		6140-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6139-20-20D	3.25	3.75	2.44	2.625	1.250	1.25	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.4
		6140-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6139-24-24D	3.75	4.50	2.96	3.125	1.437	1.50	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.2
		6140-24-24D							5/8-11			-----	-----	---	
2	2	6139-32-32D	4.50	5.25	3.46	3.812	1.750	1.94	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	17.0
		6140-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6139-40-40D	5.50	6.88	4.50	4.875	2.312	2.32	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	33.2
		6140-40-40D							7/8-9			-----	-----	---	
3	3	6139-48-48D	6.50	8.50	5.00	6.000	2.812	2.90	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	48.0
		6140-48-48D							1 1/8-7			-----	-----	---	

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

® Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES

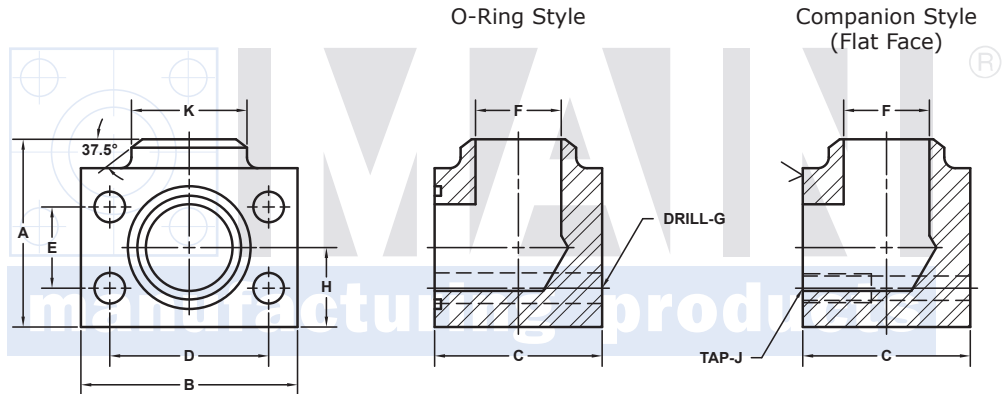
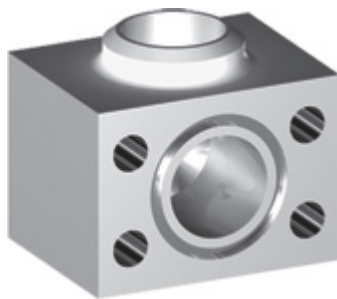
For Schedule 160 Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6141-08-08B	2.00	2.12	1.44	1.500	.688	.47	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		5/16-18							-----			---			
3/4	3/4	6141-12-12B	2.25	2.62	1.70	1.875	.875	.61	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.0
		3/8-16							-----			---			
1	1	6141-16-16B	2.50	2.82	1.94	2.062	1.031	.81	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		3/8-16							-----			---			
1 1/4	1 1/4	6141-20-20B	3.00	3.19	2.40	2.312	1.188	1.16	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.8
		7/16-14							-----			---			
1 1/2	1 1/2	6141-24-24B	3.25	3.75	2.90	2.750	1.406	1.34	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.8
		1/2-13							-----			---			
2	2	6141-32-32B	3.75	4.00	3.40	3.062	1.688	1.69	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.5
		1/2-13							-----			---			
2 1/2 ^②	2 1/2	6141-40-40B	4.50	4.50	3.96	3.500	2.000	2.12	.53	2.00	3.00	MK 547	1/2-13 x 5	232	15.4
		1/2-13							-----			---			
3 ^③	3	6141-48-48B	5.00	5.31	4.96	4.188	2.438	2.62	.66	2.25	3.50	MK 548	5/8-11 x 6	237	24.2
		5/8-11							-----			---			
3 1/2 ^④	3 1/2	6141-56-56B	5.50	6.00	5.40	4.750	2.750	3.00	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	37.0
		5/8-11							-----			---			
4 ^④	4	6141-64-64B	6.00	6.38	5.96	5.125	3.062	3.44	.66	2.75	4.50	MK 550	5/8-11 x 7	245	48.0
		5/8-11							-----			---			
5 ^④	5	6141-80-80B	7.50	7.25	6.90	6.000	3.625	4.31	.66	3.38	5.62	MK 1569	5/8-11 x 8	253	61.4
		5/8-11							-----			---			

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 BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6143-08-08B	2.25	2.22	1.46	1.594	.718	.47	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		5/16-18							-----			-----	---		
3/4	3/4	6143-12-12B	2.50	2.81	1.70	2.000	.937	.61	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		3/8-16							-----			-----	---		
1	1	6143-16-16B	2.75	3.19	2.21	2.250	1.093	.81	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		7/16-14							-----			-----	---		
1 1/4	1 1/4	6143-20-20B	3.25	3.75	2.44	2.625	1.250	1.16	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.4
		1/2-13							-----			-----	---		
1 1/2	1 1/2	6143-24-24B	3.75	4.50	2.96	3.125	1.437	1.34	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.2
		5/8-11							-----			-----	---		
2	2	6143-32-32B	4.50	5.25	3.46	3.812	1.750	1.69	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	17.0
		3/4-10							-----			-----	---		
2 1/2	2 1/2	6143-40-40B	5.50	6.88	4.50	4.875	2.312	2.12	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	33.2
		7/8-9							-----			-----	---		
3	3	6143-48-48B	6.50	8.50	5.00	6.000	2.812	2.62	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	48.0
		1 1/8-7							-----			-----	---		

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

BUTT WELD ELBOW FLANGES

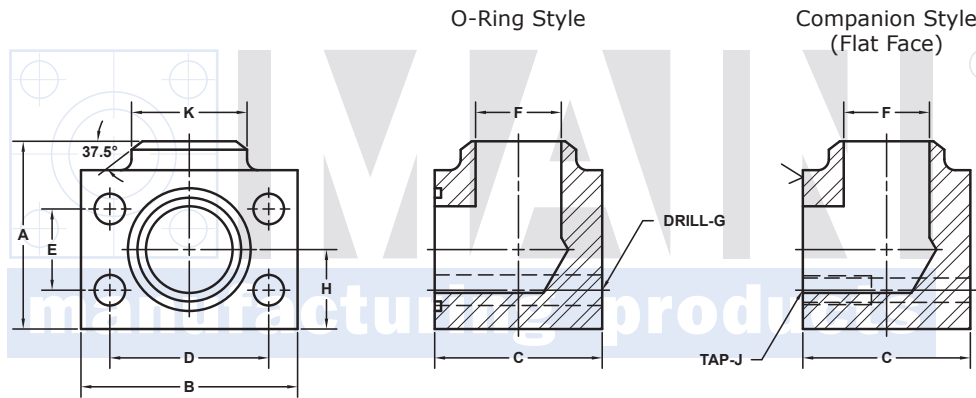
For Schedule 160 Pipe ⑥

SAE BOLT PATTERN										61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT®			WT
									PART NO.			SCREW SIZE	O-RING		
1/2	1/2	6141-08-08D	2.00	2.12	1.44	1.500	.688	.47	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6142-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6141-12-12D	2.25	2.62	1.70	1.875	.875	.61	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.0
		6142-12-12D							3/8-16			-----	-----	---	
1	1	6141-16-16D	2.50	2.82	1.94	2.062	1.031	.81	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		6142-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6141-20-20D	3.00	3.19	2.40	2.312	1.188	1.16	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.8
		6142-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6141-24-24D	3.25	3.75	2.90	2.750	1.406	1.34	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.8
		6142-24-24D							1/2-13			-----	-----	---	
2	2	6141-32-32D	3.75	4.00	3.40	3.062	1.688	1.69	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.5
		6142-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6141-40-40D	4.50	4.50	3.96	3.500	2.000	2.12	.53	2.00	3.00	MK 547	1/2-13 x 5	232	15.4
		6142-40-40D							1/2-13			-----	-----	---	
3 ③	3	6141-48-48D	5.00	5.31	4.96	4.188	2.438	2.62	.66	2.25	3.50	MK 548	5/8-11 x 6	237	24.2
		6142-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	6141-56-56D	5.50	6.00	5.40	4.750	2.750	3.00	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	37.0
		6142-56-56D							5/8-11			-----	-----	---	
4 ④	4	6141-64-64D	6.00	6.38	5.96	5.125	3.062	3.44	.66	2.75	4.50	MK 550	5/8-11 x 7	245	48.0
		6142-64-64D							5/8-11			-----	-----	---	
5 ④	5	6141-80-80D	7.50	7.25	6.90	6.000	3.625	4.31	.66	3.38	5.62	MK 1569	5/8-11 x 8	253	61.4
		6142-80-80D							5/8-11			-----	-----	---	

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:
316L Stainless



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 BOLT PATTERN										62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6143-08-08D	2.25	2.22	1.46	1.594	.718	.47	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		6144-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6143-12-12D	2.50	2.81	1.70	2.000	.937	.61	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		6144-12-12D							3/8-16			-----	-----	---	
1	1	6143-16-16D	2.75	3.19	2.21	2.250	1.093	.81	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.1
		6144-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6143-20-20D	3.25	3.75	2.44	2.625	1.250	1.16	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.4
		6144-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6143-24-24D	3.75	4.50	2.96	3.125	1.437	1.34	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.2
		6144-24-24D							5/8-11			-----	-----	---	
2	2	6143-32-32D	4.50	5.25	3.46	3.812	1.750	1.69	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	17.0
		6144-32-32D							3/4-10			-----	-----	---	
2 1/2	2 1/2	6143-40-40D	5.50	6.88	4.50	4.875	2.312	2.12	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	33.2
		6144-40-40D							7/8-9			-----	-----	---	
3	3	6143-48-48D	6.50	8.50	5.00	6.000	2.812	2.62	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	48.0
		6144-48-48D							1 1/8-7			-----	-----	---	

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

⑥ Schedules 10, 40 and XXS also Stocked. Other Pipe and Tube Sizes are Available

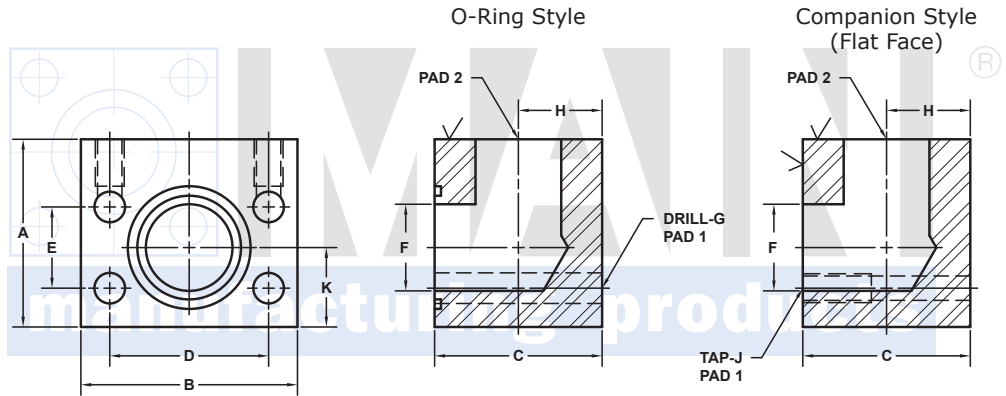
FLANGED ELBOW FLANGES

SAE BOLT PATTERN										61 SERIES					
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6571-08-08B	2.25	2.12	2.25	1.500	.688	.50	.34	.78	.78	MK 3509	5/16-18 x 2 3/4	210	2.8
		6572-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6181-12-12B	2.50	2.62	2.25	1.875	.875	.75	.41	1.03	1.03	MK 576	3/8-16 x 3	214	3.5
		6182-12-12B							3/8-16			-----	-----	---	
1	1	6181-16-16B	2.50	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.09	MK 577	3/8-16 x 3 1/4	219	4.0
		6182-16-16B							3/8-16			-----	-----	---	
1 1/4	1 1/4	6181-20-20B	3.25	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.38	MK 591	7/16-14 x 4	222	7.9
		6182-20-20B							7/16-14			-----	-----	---	
1 1/2	1 1/2	6181-24-24B	3.50	3.75	3.50	2.750	1.406	1.50	.53	1.62	1.62	MK 579	1/2-13 x 4 1/2	225	10.7
		6182-24-24B							1/2-13			-----	-----	---	
2	2	6181-32-32B	4.00	4.00	4.00	3.062	1.688	1.94	.53	1.91	1.91	MK 592	1/2-13 x 5	228	13.6
		6182-32-32B							1/2-13			-----	-----	---	
2 1/2 ^②	2 1/2	6181-40-40B	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	18.3
		6182-40-40B							1/2-13			-----	-----	---	
3 ^③	3	6181-48-48B	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	31.7
		6182-48-48B							5/8-11			-----	-----	---	
3 1/2 ^④	3 1/2	6181-56-56B	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	45.0
		6182-56-56B							5/8-11			-----	-----	---	
4 ^④	4	6181-64-64B	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	40.6
		6182-64-64B							5/8-11			-----	-----	---	
5 ^④	5	6181-80-80B				6.000	3.625		.66					253	
		6182-80-80B							5/8-11			-----	-----	---	

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 6181 / 6183

Model 6182 / 6184

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

SAE BOLT PATTERN									62 SERIES						
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6183-08-08B	2.00	2.22	2.00	1.594	.718	.50	.34	.94	.81	MK 575	5/16-18 x 2 1/2	210	2.0
		6184-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6183-12-12B	2.50	2.81	2.50	2.000	.937	.75	.41	1.19	1.06	MK 595	3/8-16 x 3 1/4	214	4.3
		6184-12-12B							3/8-16			-----	-----	---	
1	1	6183-16-16B	3.00	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.38	MK 596	7/16-14 x 4	219	7.0
		6184-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6183-20-20B	3.50	3.75	3.50	2.625	1.250	1.25	.53	1.62	1.41	MK 4565	1/2-13 x 4 1/2	222	10.8
		6184-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6183-24-24B	4.00	4.50	4.00	3.125	1.437	1.50	.66	1.88	1.75	MK 597	5/8-11 x 5	225	16.6
		6184-24-24B							5/8-11			-----	-----	---	
2	2	6183-32-32B	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	29.7
		6184-32-32B							3/4-10			-----	-----	---	
2 1/2 ⑤	2 1/2	6183-40-40B													
		6184-40-40B													
3 ⑤	3	6183-48-48B													
		6184-48-48B													
Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com															

Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com

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

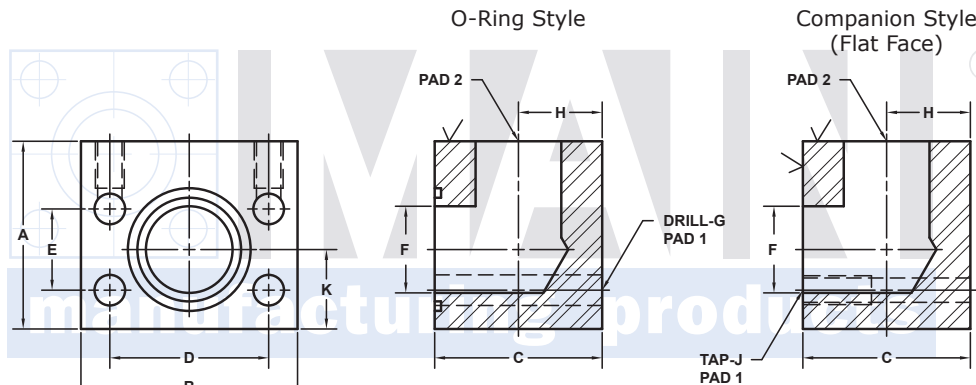
FLANGED ELBOW FLANGES

SAE BOLT PATTERN									61 SERIES						
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6571-08-08D	2.25	2.12	2.25	1.500	.688	.50	.34	.78	.78	MK 3509	5/16-18 x 2 3/4	210	2.8
		6572-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6181-12-12D	2.50	2.62	2.25	1.875	.875	.75	.41	1.03	1.03	MK 576	3/8-16 x 3	214	3.5
		6182-12-12D							3/8-16			-----	-----	---	
1	1	6181-16-16D	2.50	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.09	MK 577	3/8-16 x 3 1/4	219	4.0
		6182-16-16D							3/8-16			-----	-----	---	
1 1/4	1 1/4	6181-20-20D	3.25	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.38	MK 591	7/16-14 x 4	222	7.9
		6182-20-20D							7/16-14			-----	-----	---	
1 1/2	1 1/2	6181-24-24D	3.50	3.75	3.50	2.750	1.406	1.50	.53	1.62	1.62	MK 579	1/2-13 x 4 1/2	225	10.7
		6182-24-24D							1/2-13			-----	-----	---	
2	2	6181-32-32D	4.00	4.00	4.00	3.062	1.688	1.94	.53	1.91	1.91	MK 592	1/2-13 x 5	228	13.6
		6182-32-32D							1/2-13			-----	-----	---	
2 1/2 ②	2 1/2	6181-40-40D	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	18.3
		6182-40-40D							1/2-13			-----	-----	---	
3 ③	3	6181-48-48D	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	31.7
		6182-48-48D							5/8-11			-----	-----	---	
3 1/2 ④	3 1/2	6181-56-56D	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	45.0
		6182-56-56D							5/8-11			-----	-----	---	
4 ④	4	6181-64-64D	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	40.6
		6182-64-64D							5/8-11			-----	-----	---	
5 ④	5	6181-80-80D				6.000	3.625		.66					253	
		6182-80-80D							5/8-11			-----	-----	---	

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).

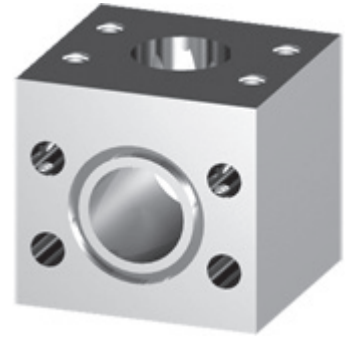
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



Model 6181 / 6183

Model 6182 / 6184



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

SAE BOLT PATTERN									62 SERIES						
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6183-08-08D	2.00	2.22	2.00	1.594	.718	.50	.34	.94	.81	MK 575	5/16-18 x 2 1/2	210	2.0
		6184-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6183-12-12D	2.50	2.81	2.50	2.000	.937	.75	.41	1.19	1.06	MK 595	3/8-16 x 3 1/4	214	4.3
		6184-12-12D							3/8-16			-----	-----	---	
1	1	6183-16-16D	3.00	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.38	MK 596	7/16-14 x 4	219	7.0
		6184-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6183-20-20D	3.50	3.75	3.50	2.625	1.250	1.25	.53	1.62	1.41	MK 4565	1/2-13 x 4 1/2	222	10.8
		6184-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6183-24-24D	4.00	4.50	4.00	3.125	1.437	1.50	.66	1.88	1.75	MK 597	5/8-11 x 5	225	16.6
		6184-24-24D							5/8-11			-----	-----	---	
2	2	6183-32-32D	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	29.7
		6184-32-32D							3/4-10			-----	-----	---	
2 1/2 ^⑤	2 1/2	6183-40-40D													
		6184-40-40D													
3 ^⑤	3	6183-48-48D													
		6184-48-48D													
at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com															

Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com

① Order Separately

② 2500 PSI Max

③ 2000 PSI Max

④ 500 PSI Max

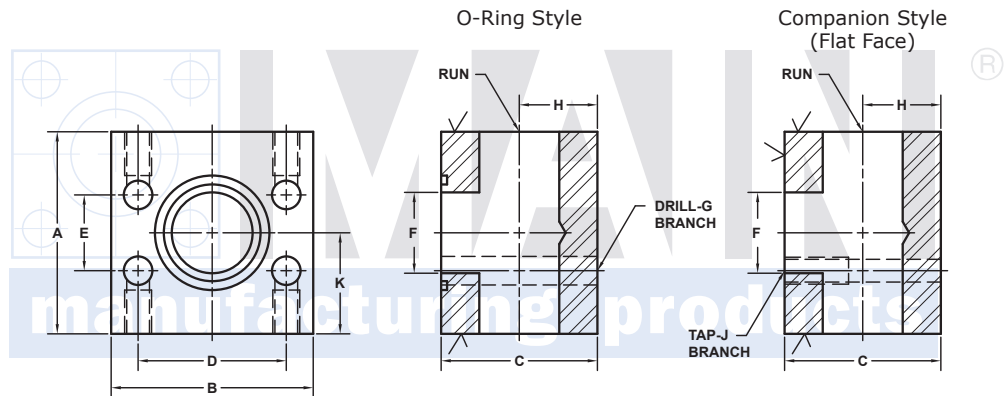
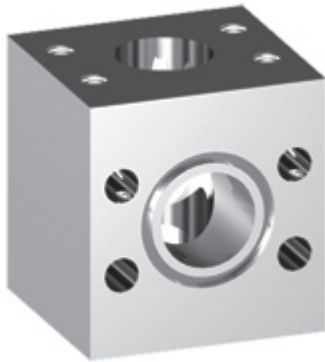
FLANGED BRANCH TEE FLANGES

SAE BOLT PATTERN										61 SERIES					
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6575-08-08B	3.00	2.12	2.25	1.500	.688	.50	.34	.78	1.50	MK 3509	5/16-18 x 2 3/4	210	3.6
		5/16-18							-----			-----	---		
3/4	3/4	6185-12-12B	2.75	2.62	2.25	1.875	.875	.75	.41	1.03	1.38	MK 576	3/8-16 x 3	214	3.6
		3/8-16							-----			-----	---		
1	1	6185-16-16B	3.00	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.50	MK 577	3/8-16 x 3 1/4	219	4.6
		3/8-16							-----			-----	---		
1 1/4	1 1/4	6185-20-20B	3.75	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.88	MK 591	7/16-14 x 4	222	9.0
		7/16-14							-----			-----	---		
1 1/2	1 1/2	6185-24-24B	4.00	3.75	3.50	2.750	1.406	1.50	.53	1.62	2.00	MK 579	1/2-13 x 4 1/2	225	11.2
		1/2-13							-----			-----	---		
2	2	6185-32-32B	4.25	4.00	4.00	3.062	1.688	1.94	.53	1.91	2.12	MK 592	1/2-13 x 5	228	13.8
		1/2-13							-----			-----	---		
2 1/2 ②	2 1/2	6185-40-40B	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	17.0
		1/2-13							-----			-----	---		
3 ③	3	6185-48-48B	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	29.9
		5/8-11							-----			-----	---		
3 1/2 ④	3 1/2	6185-56-56B	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	38.0
		5/8-11							-----			-----	---		
4 ④	4	6185-64-64B	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	35.8
		5/8-11							-----			-----	---		
5 ④	5	6185-80-80B				6.000	3.625		.66					253	
		5/8-11							-----			-----	---		

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 6185 / 6187

Model 6186 / 6188

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

SAE BOLT PATTERN									62 SERIES						
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6187-08-08B	2.50	2.22	2.00	1.594	.718	.50	.34	.94	1.25	MK 575	5/16-18 x 2 1/2	210	2.7
		6188-08-08B							5/16-18			-----	-----	---	
3/4	3/4	6187-12-12B	3.00	2.81	2.50	2.000	.937	.75	.41	1.19	1.50	MK 595	3/8-16 x 3 1/4	214	5.1
		6188-12-12B							3/8-16			-----	-----	---	
1	1	6187-16-16B	3.50	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.75	MK 596	7/16-14 x 4	219	7.7
		6188-16-16B							7/16-14			-----	-----	---	
1 1/4	1 1/4	6187-20-20B	4.00	3.75	3.50	2.625	1.250	1.25	.53	1.62	2.00	MK 4565	1/2-13 x 4 1/2	222	11.9
		6188-20-20B							1/2-13			-----	-----	---	
1 1/2	1 1/2	6187-24-24B	4.50	4.50	4.00	3.125	1.437	1.50	.66	1.88	2.25	MK 597	5/8-11 x 5	225	17.8
		6188-24-24B							5/8-11			-----	-----	---	
2	2	6187-32-32B	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	27.8
		6188-32-32B							3/4-10			-----	-----	---	
2 1/2 ⑤	2 1/2	6187-40-40B													
		6188-40-40B													
3 ⑤	3	6187-48-48B													
		6188-48-48B													
Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com															

Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com

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

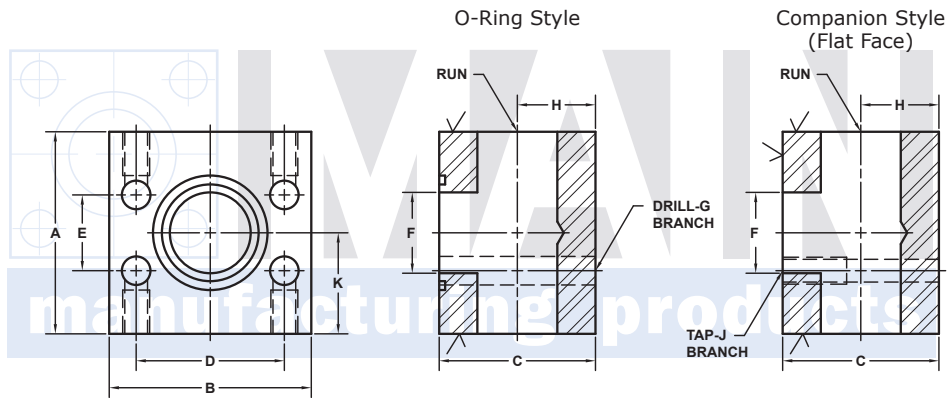
FLANGED BRANCH TEE FLANGES

SAE BOLT PATTERN										61 SERIES					
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT®			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6575-08-08D	3.00	2.12	2.25	1.500	.688	.50	.34	.78	1.50	MK 3509	5/16-18 x 2 3/4	210	3.6
		5/16-18							-----			-----	---		
3/4	3/4	6185-12-12D	2.75	2.62	2.25	1.875	.875	.75	.41	1.03	1.38	MK 576	3/8-16 x 3	214	3.6
		3/8-16							-----			-----	---		
1	1	6185-16-16D	3.00	2.82	2.50	2.062	1.031	1.00	.41	1.16	1.50	MK 577	3/8-16 x 3 1/4	219	4.6
		3/8-16							-----			-----	---		
1 1/4	1 1/4	6185-20-20D	3.75	3.19	3.25	2.312	1.188	1.25	.47	1.38	1.88	MK 591	7/16-14 x 4	222	9.0
		7/16-14							-----			-----	---		
1 1/2	1 1/2	6185-24-24D	4.00	3.75	3.50	2.750	1.406	1.50	.53	1.62	2.00	MK 579	1/2-13 x 4 1/2	225	11.2
		1/2-13							-----			-----	---		
2	2	6185-32-32D	4.25	4.00	4.00	3.062	1.688	1.94	.53	1.91	2.12	MK 592	1/2-13 x 5	228	13.8
		1/2-13							-----			-----	---		
2 1/2 ②	2 1/2	6185-40-40D	4.50	4.50	4.50	3.500	2.000	2.44	.53	2.14	2.25	MK 593	1/2-13 x 5 1/2	232	17.0
		1/2-13							-----			-----	---		
3 ③	3	6185-48-48D	5.50	5.31	5.50	4.188	2.438	2.94	.66	2.58	2.75	MK 594	5/8-11 x 6 1/2	237	29.9
		5/8-11							-----			-----	---		
3 1/2 ④	3 1/2	6185-56-56D	6.00	6.00	6.00	4.750	2.750	3.44	.66	3.00	3.00	MK 1589	5/8-11 x 7	241	38.0
		5/8-11							-----			-----	---		
4 ④	4	6185-64-64D	6.00	6.38	6.00	5.125	3.062	3.94	.66	2.81	3.00	MK 550	5/8-11 x 7	245	35.8
		5/8-11							-----			-----	---		
5 ④	5	6185-80-80D				6.000	3.625		.66					253	
		5/8-11							-----			-----	---		

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:
316L Stainless



Model 6185 / 6187

Model 6186 / 6188



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

SAE BOLT PATTERN									62 SERIES						
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT ^①			WT
									J			PART NO.	SCREW SIZE	O-RING	
1/2	1/2	6187-08-08D	2.50	2.22	2.00	1.594	.718	.50	.34	.94	1.25	MK 575	5/16-18 x 2 1/2	210	2.7
		6188-08-08D							5/16-18			-----	-----	---	
3/4	3/4	6187-12-12D	3.00	2.81	2.50	2.000	.937	.75	.41	1.19	1.50	MK 595	3/8-16 x 3 1/4	214	5.1
		6188-12-12D							3/8-16			-----	-----	---	
1	1	6187-16-16D	3.50	3.19	3.00	2.250	1.093	1.00	.47	1.38	1.75	MK 596	7/16-14 x 4	219	7.7
		6188-16-16D							7/16-14			-----	-----	---	
1 1/4	1 1/4	6187-20-20D	4.00	3.75	3.50	2.625	1.250	1.25	.53	1.62	2.00	MK 4565	1/2-13 x 4 1/2	222	11.9
		6188-20-20D							1/2-13			-----	-----	---	
1 1/2	1 1/2	6187-24-24D	4.50	4.50	4.00	3.125	1.437	1.50	.66	1.88	2.25	MK 597	5/8-11 x 5	225	17.8
		6188-24-24D							5/8-11			-----	-----	---	
2	2	6187-32-32D	5.00	5.25	5.00	3.812	1.750	1.94	.78	2.25	2.50	MK 598	3/4-10 x 6	228	27.8
		6188-32-32D							3/4-10			-----	-----	---	
2 1/2 ^⑤	2 1/2	6187-40-40D													
		6188-40-40D													
3 ^⑤	3	6187-48-48D													
		6188-48-48D													
at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com															

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at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com

① Order Separately

② 2500 PSI Max

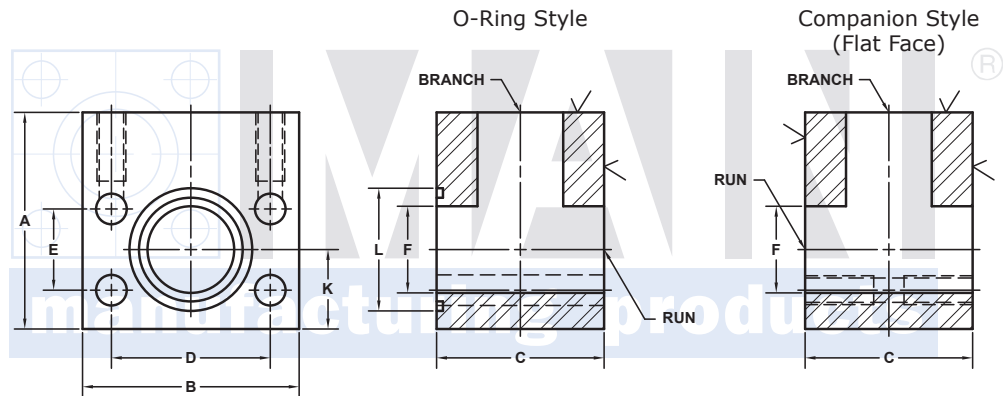
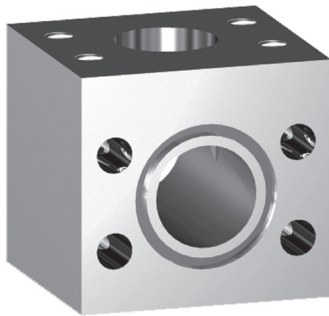
③ 2000 PSI Max

④ 500 PSI Max

FLANGED RUN TEE FLANGES

SAE BOLT PATTERN			61 SERIES									
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	6579-08-08B	2.25	2.12	2.25	1.500	.688	.50	.78	1.000	210	2.6
		6580-08-08B	USE PART # 6576-08-08B							---	---	
3/4	3/4	6205-12-12B	2.50	2.62	2.25	1.875	.875	.75	1.03	1.250	214	3.5
		6206-12-12B	USE PART # 6186-12-12B							---	---	
1	1	6205-16-16B	2.50	2.82	2.50	2.062	1.031	1.00	1.09	1.562	219	4.0
		6206-16-16B	USE PART # 6186-16-16B							---	---	
1 1/4	1 1/4	6205-20-20B	3.25	3.19	3.25	2.312	1.188	1.25	1.38	1.750	222	7.2
		6206-20-20B	USE PART # 6186-20-20B							---	---	
1 1/2	1 1/2	6205-24-24B	3.50	3.75	3.50	2.750	1.406	1.50	1.62	2.125	225	10.7
		6206-24-24B	USE PART # 6186-24-24B							---	---	
2	2	6205-32-32B	4.00	4.00	4.00	3.062	1.688	1.94	1.91	2.500	228	13.6
		6206-32-32B	USE PART # 6186-32-32B							---	---	
2 1/2 ^②	2 1/2	6205-40-40B	4.50	4.50	4.50	3.500	2.000	2.44	2.25	3.000	232	18.3
		6206-40-40B	USE PART # 6186-40-40B							---	---	
3 ^③	3	6205-48-48B	5.50	5.31	5.50	4.188	2.438	2.94	2.75	3.625	237	31.7
		6206-48-48B	USE PART # 6186-48-48B							---	---	
3 1/2 ^④	3 1/2	6205-56-56B	6.00	6.00	6.00	4.750	2.750	3.44	3.00	4.109	241	45.0
		6206-56-56B	USE PART # 6186-56-56B							---	---	
4 ^④	4	6205-64-64B	6.00	6.38	6.00	5.125	3.062	3.94	3.00	4.609	245	58.2
		6206-64-64B	USE PART # 6186-64-64B							---	---	
5 ^④	5	6205-80-80B				6.000	3.625			5.609	253	
		6206-80-80B	USE PART # 6186-80-80B							---	---	

MATERIAL:
304L Stainless



Model 6205 / 6207

Model 6206 / 6208

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

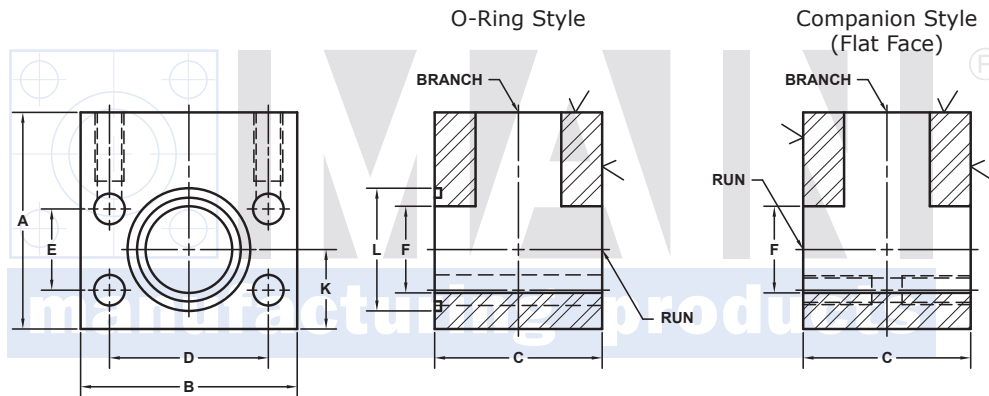
SAE BOLT PATTERN						62 SERIES						
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1½	1½	6207-08-08B	2.00	2.22	2.00	1.594	.718	.50	.81	1.000	210	2.0
		6208-08-08B	USE PART # 6188-08-08B							---	---	
¾	¾	6207-12-12B	2.50	2.81	2.50	2.000	.937	.75	1.06	1.250	214	4.3
		6208-12-12B	USE PART # 6188-12-12B							---	---	
1	1	6207-16-16B	3.00	3.19	3.00	2.250	1.093	1.00	1.38	1.562	219	7.0
		6208-16-16B	USE PART # 6188-16-16B							---	---	
1¼	1¼	6207-20-20B	3.50	3.75	3.50	2.625	1.250	1.25	1.41	1.750	222	10.8
		6208-20-20B	USE PART # 6188-20-20B							---	---	
1½	1½	6207-24-24B	4.00	4.50	4.00	3.125	1.437	1.50	1.75	2.125	225	16.6
		6208-24-24B	USE PART # 6188-24-24B							---	---	
2	2	6207-32-32B	5.00	5.25	5.00	3.812	1.750	1.94	2.50	2.500	228	29.7
		6208-32-32B	USE PART # 6188-32-32B							---	---	
2½	2½	6207-40-40B										
		6208-40-40B	Please contact MAIN Manufacturing's Engineering Department									
3	3	6207-48-48B	at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com									
		6208-48-48B										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

FLANGED RUN TEE FLANGES

SAE BOLT PATTERN				61 SERIES								
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	6579-08-08D	2.25	2.12	2.25	1.500	.688	.50	.78	1.000	210	2.6
		6580-08-08D	USE PART # 6576-08-08D								---	
3/4	3/4	6205-12-12D	2.50	2.62	2.25	1.875	.875	.75	1.03	1.250	214	3.5
		6206-12-12D	USE PART # 6186-12-12D								---	
1	1	6205-16-16D	2.50	2.82	2.50	2.062	1.031	1.00	1.09	1.562	219	4.0
		6206-16-16D	USE PART # 6186-16-16D								---	
1 1/4	1 1/4	6205-20-20D	3.25	3.19	3.25	2.312	1.188	1.25	1.38	1.750	222	7.2
		6206-20-20D	USE PART # 6186-20-20D								---	
1 1/2	1 1/2	6205-24-24D	3.50	3.75	3.50	2.750	1.406	1.50	1.62	2.125	225	10.7
		6206-24-24D	USE PART # 6186-24-24D								---	
2	2	6205-32-32D	4.00	4.00	4.00	3.062	1.688	1.94	1.91	2.500	228	13.6
		6206-32-32D	USE PART # 6186-32-32D								---	
2 1/2 ^②	2 1/2	6205-40-40D	4.50	4.50	4.50	3.500	2.000	2.44	2.25	3.000	232	18.3
		6206-40-40D	USE PART # 6186-40-40D								---	
3 ^③	3	6205-48-48D	5.50	5.31	5.50	4.188	2.438	2.94	2.75	3.625	237	31.7
		6206-48-48D	USE PART # 6186-48-48D								---	
3 1/2 ^④	3 1/2	6205-56-56D	6.00	6.00	6.00	4.750	2.750	3.44	3.00	4.109	241	45.0
		6206-56-56D	USE PART # 6186-56-56D								---	
4 ^④	4	6205-64-64D	6.00	6.38	6.00	5.125	3.062	3.94	3.00	4.609	245	58.2
		6206-64-64D	USE PART # 6186-64-64D								---	
5 ^④	5	6205-80-80D				6.000	3.625			5.609	253	
		6206-80-80D	USE PART # 6186-80-80D								---	

MATERIAL:
316L Stainless



Model 6205 / 6207

Model 6206 / 6208

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

SAE BOLT PATTERN				62 SERIES								
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ^①	WT
1/2	1/2	6207-08-08D	2.00	2.22	2.00	1.594	.718	.50	.81	1.000	210	2.0
		6208-08-08D	USE PART # 6188-08-08D								---	
3/4	3/4	6207-12-12D	2.50	2.81	2.50	2.000	.937	.75	1.06	1.250	214	4.3
		6208-12-12D	USE PART # 6188-12-12D								---	
1	1	6207-16-16D	3.00	3.19	3.00	2.250	1.093	1.00	1.38	1.562	219	7.0
		6208-16-16D	USE PART # 6188-16-16D								---	
1 1/4	1 1/4	6207-20-20D	3.50	3.75	3.50	2.625	1.250	1.25	1.41	1.750	222	10.8
		6208-20-20D	USE PART # 6188-20-20D								---	
1 1/2	1 1/2	6207-24-24D	4.00	4.50	4.00	3.125	1.437	1.50	1.75	2.125	225	16.6
		6208-24-24D	USE PART # 6188-24-24D								---	
2	2	6207-32-32D	5.00	5.25	5.00	3.812	1.750	1.94	2.50	2.500	228	29.7
		6208-32-32D	USE PART # 6188-32-32D								---	
2 1/2	2 1/2	6207-40-40D										
		6208-40-40D										
3	3	6207-48-48D	Please contact MAIN Manufacturing's Engineering Department at 1-800-521-7918 for Available Options. Or E-mail us at info@MAINmfg.com									
		6208-48-48D										

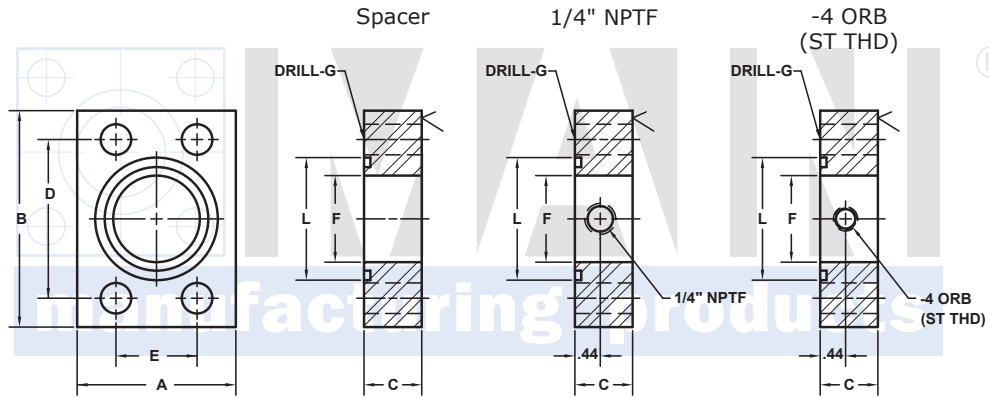
① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

SPACERS AND GAUGE PORT ADAPTERS

1/4" GAUGE PORTS ⑥

SAE BOLT PATTERN						61 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	6303-08-08B	1.50	2.12	1.00	1.500	.688	.50	.34	1.000	210	.7
		7303-08-08B										
		8303-08-08B										
3/4	NA	6303-12-12B	1.75	2.62	1.00	1.875	.875	.75	.41	1.250	214	1.0
		7303-12-12B										
		8303-12-12B										
1	NA	6303-16-16B	2.00	2.82	1.00	2.062	1.031	1.00	.41	1.562	219	1.1
		7303-16-16B										
		8303-16-16B										
1 1/4	NA	6303-20-20B	2.50	3.19	1.00	2.312	1.188	1.25	.47	1.750	222	1.6
		7303-20-20B										
		8303-20-20B										
1 1/2	NA	6303-24-24B	2.75	3.75	1.00	2.750	1.406	1.50	.53	2.125	225	2.0
		7303-24-24B										
		8303-24-24B										
2	NA	6303-32-32B	3.25	4.00	1.00	3.062	1.688	1.94	.53	2.500	228	2.4
		7303-32-32B										
		8303-32-32B										
2 1/2 ^②	NA	6303-40-40B	4.00	4.50	1.00	3.500	2.000	2.44	.53	3.000	232	3.3
		7303-40-40B										
		8303-40-40B										
3 ^③	NA	6303-48-48B	4.50	5.31	1.00	4.188	2.438	2.94	.66	3.625	237	4.1
		7303-48-48B										
		8303-48-48B										

MATERIAL:
304L Stainless



Model 6303 / 6305 Model 7303 / 7305 Model 8303 / 8305
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN						62 SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	6305-08-08B	1.75	2.22	1.00	1.594	.718	.50	.34	1.000	210	.8
		7305-08-08B										
		8305-08-08B										
3/4	NA	6305-12-12B	2.00	2.81	1.00	2.000	.937	.75	.41	1.250	214	1.2
		7305-12-12B										
		8305-12-12B										
1	NA	6305-16-16B	2.25	3.19	1.00	2.250	1.093	1.00	.47	1.562	219	1.5
		7305-16-16B										
		8305-16-16B										
1 1/4	NA	6305-20-20B	2.75	3.75	1.00	2.625	1.250	1.25	.53	1.750	222	2.2
		7305-20-20B										
		8305-20-20B										
1 1/2	NA	6305-24-24B	3.25	4.50	1.00	3.125	1.437	1.50	.66	2.125	225	3.1
		7305-24-24B										
		8305-24-24B										
2	NA	6305-32-32B	4.00	5.25	1.00	3.812	1.750	1.94	.78	2.500	228	4.3
		7305-32-32B										
		8305-32-32B										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

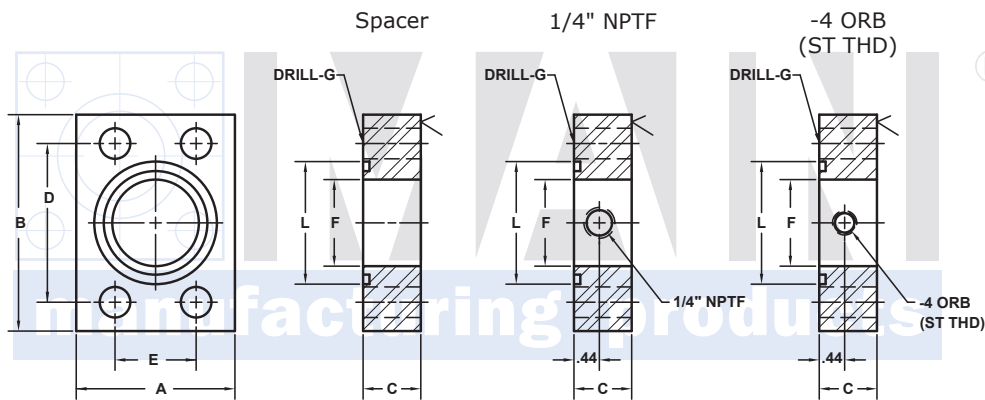
⑥ NPTF (3/8", 1/2" & 3/4") & ORB (-6, -8 & -12) Gauge Ports also Stocked. Other Ports Available Include: BSPP, BSPT & ISO 6149

SPACERS AND GAUGE PORT ADAPTERS

1/4" GAUGE PORTS ®

SAE BOLT PATTERN					61 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	6303-08-08D	1.50	2.12	1.00	1.500	.688	.50	.34	1.000	210	.7
		7303-08-08D										
		8303-08-08D										
3/4	NA	6303-12-12D	1.75	2.62	1.00	1.875	.875	.75	.41	1.250	214	1.0
		7303-12-12D										
		8303-12-12D										
1	NA	6303-16-16D	2.00	2.82	1.00	2.062	1.031	1.00	.41	1.562	219	1.1
		7303-16-16D										
		8303-16-16D										
1 1/4	NA	6303-20-20D	2.50	3.19	1.00	2.312	1.188	1.25	.47	1.750	222	1.6
		7303-20-20D										
		8303-20-20D										
1 1/2	NA	6303-24-24D	2.75	3.75	1.00	2.750	1.406	1.50	.53	2.125	225	2.0
		7303-24-24D										
		8303-24-24D										
2	NA	6303-32-32D	3.25	4.00	1.00	3.062	1.688	1.94	.53	2.500	228	2.4
		7303-32-32D										
		8303-32-32D										
2 1/2 ^②	NA	6303-40-40D	4.00	4.50	1.00	3.500	2.000	2.44	.53	3.000	232	3.3
		7303-40-40D										
		8303-40-40D										
3 ^③	NA	6303-48-48D	4.50	5.31	1.00	4.188	2.438	2.94	.66	3.625	237	4.1
		7303-48-48D										
		8303-48-48D										

MATERIAL:
316L Stainless



Model 6303 / 6305 Model 7303 / 7305 Model 8303 / 8305
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN					62 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING ^①	WT
1/2	NA	6305-08-08D	1.75	2.22	1.00	1.594	.718	.50	.34	1.000	210	.8
		7305-08-08D										
		8305-08-08D										
3/4	NA	6305-12-12D	2.00	2.81	1.00	2.000	.937	.75	.41	1.250	214	1.2
		7305-12-12D										
		8305-12-12D										
1	NA	6305-16-16D	2.25	3.19	1.00	2.250	1.093	1.00	.47	1.562	219	1.5
		7305-16-16D										
		8305-16-16D										
1 1/4	NA	6305-20-20D	2.75	3.75	1.00	2.625	1.250	1.25	.53	1.750	222	2.2
		7305-20-20D										
		8305-20-20D										
1 1/2	NA	6305-24-24D	3.25	4.50	1.00	3.125	1.437	1.50	.66	2.125	225	3.1
		7305-24-24D										
		8305-24-24D										
2	NA	6305-32-32D	4.00	5.25	1.00	3.812	1.750	1.94	.78	2.500	228	4.3
		7305-32-32D										
		8305-32-32D										

① Includes Buna-N O-Ring ② 2500 PSI Max ③ 2000 PSI Max

® NPTF (3/8", 1/2" & 3/4") & ORB (-6, -8 & -12) Gauge Ports also Stocked. Other Ports Available Include: BSPP, BSPT & ISO 6149

QUICK REFERENCE GUIDE



This guide and a toll-free call to

1-800-521-7918

can give you the flange
you need when you need it!

MAIN Manufacturing manufactures its cataloged parts to its exacting quality standards as well as National and International standards. We are always ready to quickly quote and manufacture flanges to your requirements/drawings, however these may be considered special.

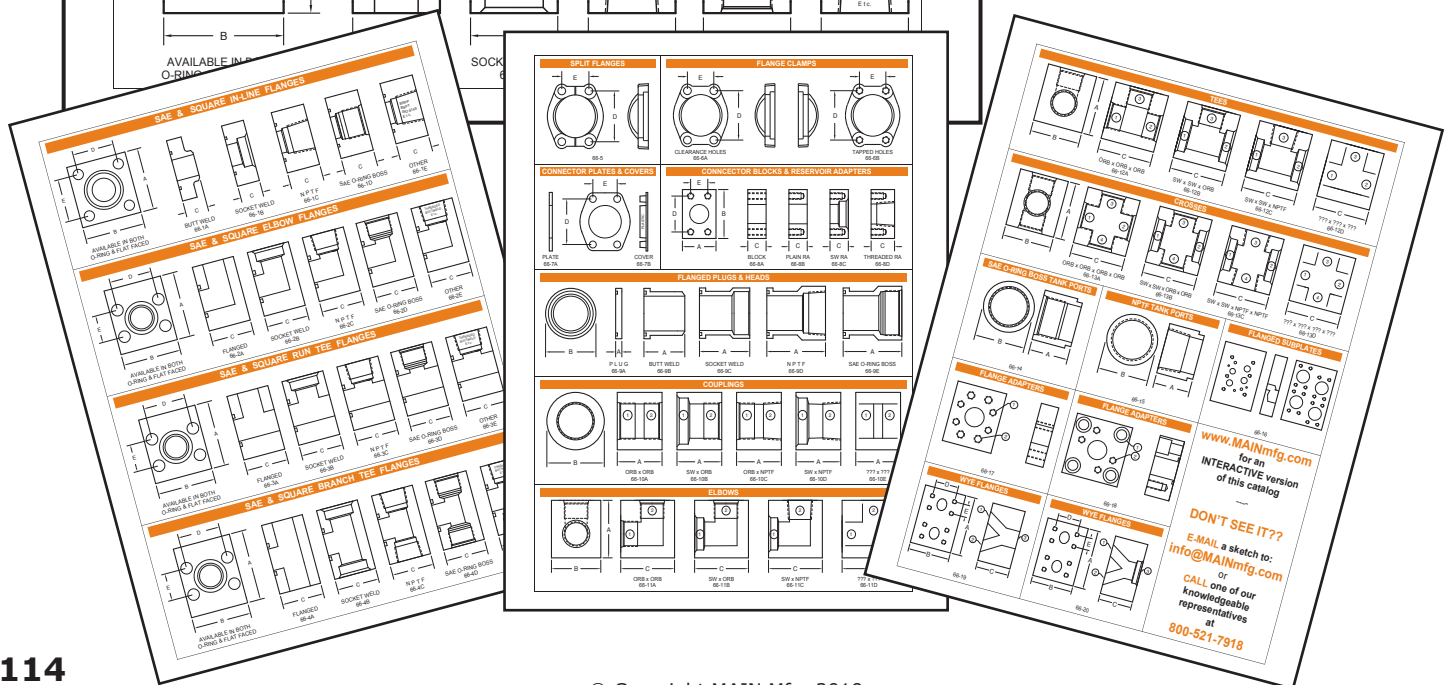
To aid in conversation, **MAIN's** "Quick Reference Guide" is useful, with the drawing number and parameters, our engineers can quote the exact flange. Because we have the skill, knowledge, experience, materials, and tools, you can be assured of receiving a flange manufactured to **MAIN** Manufacturing's highest quality standards.

To expedite your special flange, the following information is important:

Pad (pattern and screw size)
Flange Type (O-Ring or Flat Face)
Connection (type and size)
Geometry (In-line, Elbow, Tee, etc.)
Material
Extra's

Many "special" flanges turn out to be simply non cataloged semi standard flanges that could be in stock. If not, **MAIN** Manufacturing is ready and able to solve your flange problems quickly and competitively.

We are ready and able to solve any of your flange problems no matter how unique. Call today.



SAMPLE METRIC PAGES

MAIN Manufacturing Products, Inc. manufactures and stocks many metric flanges, adapters and couplings. These include ISO, SAE, DIN and JIS series to BSPP, BSPT, ISO 6149 and metric weldments.

These pages shown are reduced versions selected from hundreds of available sheets. Visit our web site, **MAINmfg.com** or contact our sales desk by fax, e-mail or by calling **800-521-7918** for the full size versions.

The SAE J518 METRIC Series, also called ISO 6162, is the most requested. Most parts in this catalog can be converted to ISO 6162 by adding an "M" and the screw size at the end of the part number. Part number 1102-20-20 tapped for M10 screws is 1102-20-20M10. The table below shows the ISO preferred size but some pumps and valves use the secondary size (shown with an asterisk '*').

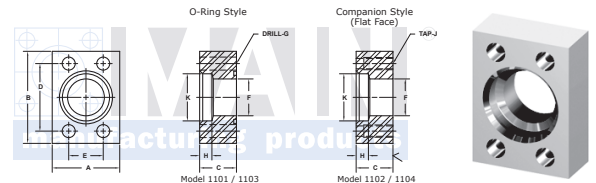
Metric mounting kits are stocked as well.

SAE PATTERN METRIC SCREW SIZES

CODE 61				CODE 62	
PAD	SCREW	PAD	SCREW	PAD	SCREW
1/2	M8	2 1/2	M12, M14*	1/2	M8
3/4	M10	3	M16	3/4	M10
1	M10	3 1/2	M16	1	M12
1 1/4	M10, M12*	4	M16	1 1/4	M12, M14*
1 1/2	M12, M14*	5	M16	1 1/2	M16
2	M12, M14*	*Secondary Size		2	M20

SOCKET WELD PIPE IN-LINE FLANGES

SAE J518 61 SERIES / ISO 6162-1 PATTERN															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	PART NO.	MOUNTING KIT® SCREW SIZE	O-RING	WT
1/2	1/2	1101-08-08M8 1102-08-08M8	1.50	2.12	.75	1.500	.688	.50	8.5 M8x1.25	.38	.860	MKM 501	M8 x 30	210	.5
3/4	3/4	1101-12-12M10 1102-12-12M10	1.75	2.62	1.00	1.875	.875	.75	10.5 M10x1.5	.50	1.070	MKM 502	M10 x 40	214	1.0
1	1	1101-16-16M10 1102-16-16M10	2.00	2.82	1.00	2.062	1.031	1.00	10.5 M10x1.5	.50	1.335	MKM 503	M10 x 40	219	1.2
1 1/4	1 1/4	1101-20-20M10* 1102-20-20M10*	2.50	3.19	1.00	2.312	1.188	1.25	10.5 M10x1.5	.50	1.680	MKM 3524	M10 x 40	222	1.5
1 1/2	1 1/2	1101-24-24M12* 1102-24-24M12*	2.75	3.75	1.25	2.570	1.406	1.50	13.0 M12x1.75	.50	1.920	MKM 3596	M12 x 50	225	2.5
2	2	1101-32-32M12* 1102-32-32M12*	3.25	4.00	1.50	3.062	1.688	1.94	13.0 M12x1.75	.62	2.411	MKM 3501	M12 x 55	228	3.6
2 1/2	2 1/2	1101-40-40M12* 1102-40-40M12*	4.00	4.50	1.75	3.500	2.000	2.44	13.0 M12x1.75	.75	2.911	MKM 4511	M12 x 60	232	5.7
3	3	1101-48-48M16 1102-48-48M16	4.50	5.31	2.00	4.188	2.438	2.94	17.0 M16x2	.75	3.540	MKM 508	M16 x 75	237	8.3
3 1/2	3 1/2	1101-56-56M16 1102-56-56M16	5.00	6.00	1.50	4.750	2.750	3.44	17.0 M16x2	.75	4.041	MKM 509	M16 x 65	241	7.5
4	4	1101-64-64M16 1102-64-64M16	5.50	6.38	1.50	5.125	3.062	3.94	17.0 M16x2	.75	4.550	MKM 510	M16 x 60	245	8.3
5	5	1101-80-80M16 1102-80-80M16	7.00	7.25	2.00	6.000	3.625	4.94	17.0 M16x2	.75	5.635	MKM 511	M16 x 75	253	16.0



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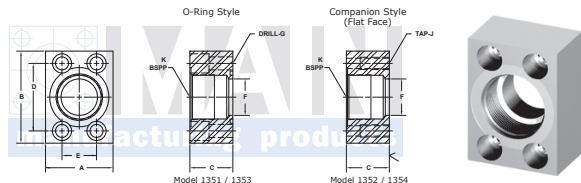
SAE J518 62 SERIES / ISO 6162-2 PATTERN															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm Jmm	H	K	PART NO.	MOUNTING KIT® SCREW SIZE	O-RING	WT
1/2	1/2	1103-08-08M8	1.75	2.22	1.00	1.594	.718	.50	8.5 M8x1.25	.50	.860	MKM 512	M8 x 35	210	.8
3/4	3/4	1103-12-12M10	2.00	2.81	1.00	2.000	.937	.75	10.5 M10x1.5	.50	1.070	MKM 502	M10 x 40	214	1.3
1	1	1103-16-16M12	2.25	3.19	1.00	2.250	1.093	1.00	12.5 M12x1.75	.50	1.335	MKM 513	M12 x 45	219	1.5
1 1/4	1 1/4	1103-20-20M12*	2.75	3.75	1.25	2.625	1.250	1.25	13.0 M12x1.75	.50	1.680	MKM 1502	M12 x 50	222	2.7
1 1/2	1 1/2	1103-24-24M16	3.25	4.50	1.50	3.125	1.437	1.50	17.0 M16x2	.50	1.920	MKM 515	M16 x 60	225	4.8
2	2	1104-32-32M20	4.00	5.25	1.75	3.812	1.750	1.94	21.0 M20x2.5	.62	2.411	MKM 516	M20 x 70	228	7.8
2 1/2	2 1/2	1103-40-40M24	5.00	6.88	2.00	4.875	2.312	2.44	25.5 M24x3	.62	2.911	MKM 517	M24 x 80	232	15.2
3	3	1104-48-48M30	6.00	8.50	2.50	6.000	2.812	2.94	32.0 M30x3.5	.62	3.540	MKM 518	M30 x 110	237	28.0

© Order Separately © 2500 PSI Max © 2000 PSI Max © 500 PSI Max

NOTE: Dimensions are in Inches Unless Otherwise Noted. † Also Available for M12 Screws ‡ Also Available for M14 Screws

BSPP THREADED IN-LINE FLANGES

SAE J518 61 SERIES / ISO6162-1 PATTERN															
FLANGE SIZE	PORT SIZE	PART NUMBER									MOUNTING KIT [®]			WT	
			A	B	C	D	E	F	Gmm Jmm	H	K	PART NO.	SCREW SIZE		O-RING
1/2	-8	1351-08-08M8 1352-08-08M8	1.50	2.19	1.25	1.500	.688	.50	8.5 M8x1.25	1/2-14	MKM 501	M8 x 30	210	.8	
3/4	-8	1351-12-08M10 1352-12-08M10	1.75	2.69	1.50	1.875	.875	.74	10.5 M10x1.5	1/2-14	MKM 1525	M10 x 35	214	1.4	
3/4	-12	1351-12-12M10 1352-12-12M10	1.75	2.69	1.50	1.875	.875	.75	10.5 M10x1.5	3/4-14	MKM 1525	M10 x 35	214	1.3	
1	-12	1351-16-12M10 1352-16-12M10	2.00	2.88	1.50	2.062	1.031	.94	10.5 M10x1.5	3/4-14	MKM 1542	M10 x 35	219	1.7	
1	-16	1351-16-16M10 1352-16-16M10	2.00	2.88	1.50	2.062	1.031	1.00	10.5 M10x1.5	1-11	MKM 1542	M10 x 35	219	1.6	
1 1/4	-20	1351-20-20M12 1352-20-20M12	2.50	3.19	1.50	2.312	1.188	1.25	10.5 M10x1.5	1 1/4-11	MKM 4520	M10 x 35	222	2.1	
1 1/2	-24	1351-24-24M12 1352-24-24M12	2.75	3.75	1.75	2.750	1.406	1.50	13.0 M12x1.75	1 1/2-11	MKM 2599	M12 x 45	225	3.2	
2	-24	1351-32-24M12 1352-32-24M12	3.25	4.00	1.75	3.062	1.688	1.75	13.0 M12x1.75	1 1/2-11	MKM 4513	M12 x 45	228	4.2	
2	-32	1351-32-32M12 1352-32-32M12	3.25	4.00	2.00	3.062	1.688	1.94	13.0 M12x1.75	2-11	MKM 4513	M12 x 45	228	3.8	
2 1/2	-32	1351-40-32M12 1352-40-32M12	4.00	4.50	1.75	3.500	2.000	2.12	13.0 M12x1.75	2-11	MKM 3562	M12 x 45	232	6.2	



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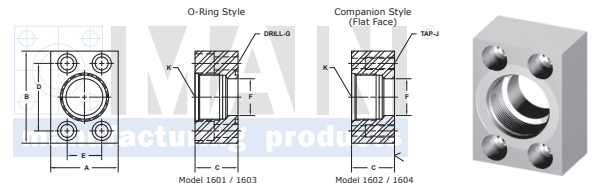
SAE J518 62 SERIES / ISO6162-2 PATTERN															
FLANGE SIZE	PORT SIZE	PART NUMBER	G								MOUNTING KIT [®]			WT	
			A	B	C	D	E	F	Gmm Jmm	H	K	PART NO.	SCREW SIZE		O-RING
1/2	-8	1353-08-08M8	1.75	2.22	1.25	1.594	.718	.50	8.5 M8x1.25	1/2-14	MKM 501	M8 x 30	210	1.0	
		1354-08-08M8													
3/4	-8	1353-12-08M10	2.00	2.81	1.50	2.000	.937	.74	10.5 M10x1.5	1/2-14	MKM 1525	M10 x 35	214	1.9	
		1354-12-08M10													
3/4	-12	1353-12-12M10	2.00	2.81	1.50	2.000	.937	.75	10.5 M10x1.5	3/4-14	MKM 1525	M10 x 35	214	1.7	
		1353-16-12M12	2.25	3.19	1.50	2.250	1.093	.94	12.5 M12x1.75	3/4-14	MKM 1529	M12 x 40	219	2.3	
1	-12	1353-16-12M12	2.25	3.19	1.50	2.250	1.093	1.00	12.5 M12x1.75	1-11	MKM 1529	M12 x 40	219	2.1	
		1354-16-16M12	2.25	3.19	1.50	2.250	1.093	1.00	12.5 M12x1.75						
1 1/4	-20	1353-20-20M12	3.00	3.75	1.50	2.625	1.250	1.25	13.0 M12x1.75	1 1/4-11	MKM 567	M12 x 45	222	4.4	
		1354-20-24M14	3.25	4.50	1.75	3.125	1.437	1.50	17.0 M16x2	1 1/2-11	MKM 1544	M16 x 45	225	3.9	
1 1/2	-24	1353-24-24M16	3.25	4.50	1.75	3.125	1.437	1.50	17.0 M16x2						
		1354-24-32M20	4.00	5.25	2.00	3.812	1.750	1.94	21.0 M20x2.5	2-11	MKM 563	M20 x 45	228	6.7	

© Order Separately © 2500 PSI Max

NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.
NOTE: Dimensions are in Inches Unless Otherwise Noted. † Also Available for M12 Screws ‡ Also Available for M14 Screws

ISO 6149 THREADED IN-LINE FLANGES

SAE J518 61 SERIES / ISO 6162-1 PATTERN															
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	PART NO.	MOUNTING KIT® SCREW SIZE	O-RING	WT
1/2	-8	1601-08-08M8 1602-08-08M8	1.50	2.19	1.25	1.500	.688	.50	8.5 M8x1.25		M18 x 1.5	MKM 501	M8 x 30	210	.9
3/4	-10	1601-12-10M10 1602-12-10M10	1.75	2.69	1.50	1.875	.875	.50	10.5 M10x1.5		M22 x 1.5	MKM 1525	M10 x 35	214	1.3
3/4	-12	1601-12-12M10 1602-12-12M10	1.75	2.69	1.50	1.875	.875	.75	10.5 M10x1.5		M27 x 2	MKM 1525	M10 x 35	214	1.4
1	-12	1601-16-12M10 1602-16-12M10	2.00	2.88	1.50	2.062	1.031	.94	10.5 M10x1.5		M27 x 2	MKM 1542	M10 x 35	219	1.6
1	-16	1601-16-16M10 1602-16-16M10	2.00	2.88	1.50	2.062	1.031	1.00	10.5 M10x1.5		M33 x 2	MKM 1542	M10 x 35	219	1.7
1 1/4	-20	1601-20-20M12 1602-20-20M12	2.50	3.19	1.50	2.312	1.188	1.25	13.0 M12x1.5		M42 x 2	MKM 4520	M10 x 35	222	2.3
1 1/2	-24	1601-24-24M12 1602-24-24M12	2.75	3.75	1.75	2.750	1.406	1.50	13.0 M12x1.75		M48 x 2	MKM 2599	M12 x 45	225	3.5
2	-24	1601-32-24M12 1602-32-24M12	3.25	4.00	1.75	3.062	1.688	1.75	13.0 M12x1.75		M48 x 2	MKM 4513	M12 x 45	228	4.8
2	-32	1601-32-32M12 1602-32-32M12	3.25	4.00	1.75	3.062	1.688	1.94	13.0 M12x1.75		M60 x 2	MKM 4513	M12 x 45	228	3.9
2 1/2	-32	1601-40-32M12 1602-40-32M12	4.00	4.50	1.75	3.500	2.000	2.12	13.0 M12x1.75		M60 x 2	MKM 3562	M12 x 45	232	6.3



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SAE J518 62 SERIES / ISO 6162-2 PATTERN															
FLANGE SIZE	PORT SIZE	PART NUMBER	G mm								MOUNTING KIT:			WT	
			A	B	C	D	E	F	G	H	K	SCREW SIZE	O-RING		
1/2	-8	1603-08-08M8 1604-08-08M8	1.75	2.22	1.25	1.594	.718	.50	M8x1.25	M18 x 1.5	MKM 501	M8 x 30	210	1.1	
3/4	-10	1603-12-10M10 1604-12-10M10	2.00	2.81	1.50	2.000	.937	.50	M10x1.5	M22 x 1.5	MKM 1525	M10 x 35	214	2.0	
3/4	-12	1603-12-12M10 1604-12-12M10	2.00	2.81	1.50	2.000	.937	.75	M10x1.5	M27 x 2	MKM 1525	M10 x 35	214	1.8	
1	-12	1603-16-12M12 1604-16-12M12	2.25	3.19	1.50	2.250	1.093	.94	12.5	M27 x 2	MKM 1529	M12 x 40	219	2.3	
1	-16	1603-16-16M12 1604-16-16M12	2.25	3.19	1.50	2.250	1.093	1.00	12.5	M33 x 2	MKM 1529	M12 x 40	219	2.3	
1 1/4	-20	1603-20-20M12 1604-20-20M12	3.00	3.75	1.50	2.625	1.250	1.25	13.0	M42 x 2	MKM 567	M12 x 45	222	3.7	
1 1/2	-24	1603-24-24M16 1604-24-24M16	3.25	4.50	1.75	3.125	1.437	1.50	17.0	M	MKM 1544	M16 x 45	225	5.5	
2	-32	1603-32-32M20 1604-32-32M20	4.00	5.25	1.75	3.812	1.750	1.94	21.0	M60 x 2	MKM 563	M20 x 45	228	7.9	

MOUNTING KITS (must be ordered separately)

To allow our customers to have a choice, **MAIN** Manufacturing offers eight standard choices of mounting kits. The mounting kits shown in the catalog generally include: 4 socket head screws, 4 hi-collar lock washers, and 1 Buna-N O-Ring. Simply changing the third digit from the right to either 6, 7, or 8 will indicate a different kit.

MK **5****, MK **15****, MK **25****, MK **35**** series: Socket head screws, lock washers, & Buna-N O-Ring

MK **6****, MK **16****, MK **26****, MK **36**** series: Socket head screws, lock washers, & Viton O-Ring

MK **7****, MK **17****, MK **27****, MK **37**** series: Hex head screws, lock washers, & Buna-N O-Ring

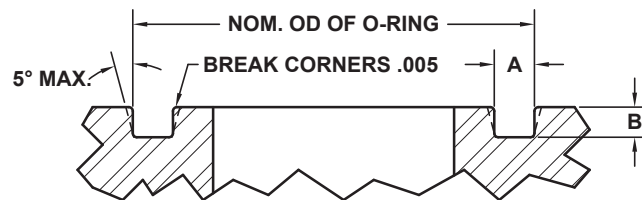
MK **8****, MK **18****, MK **28****, MK **38**** series: Hex head screws, lock washers, & Viton O-Ring

To specify stainless screws, add an SS at the end of the kit number (MK 533**SS**). **Please note that using stainless steel screws may reduce the pressure rating of the assembly.**

MAIN STANDARD O-RING GROOVE

The O-Ring groove dimensions vary between standards and suggestions from O-Ring manufacturers. As a consequence, **MAIN** has developed the groove below:

O-Ring	A	B
100 series	.124/.134	.075/.085
200 series	.155/.187	.105/.115
300 series	.248/.270	.155/.170
G	.161/.171	.093/.096



GROOVE SURFACE FINISH $\sqrt{125}$

The O-Ring numbers in the catalog tables are Uniform O-Ring Dash Numbers. They are consistent between most manufacturers, commercial, and military standards. That number, the "durometer", and the material type (Buna-N, Viton, Nitrile, Silicone, etc.), are all that is necessary to order the O-Ring. The "durometer", or hardness, used in hydraulic flanges is specified as 90 although 70 is sometimes used. The material is determined by the fluid and temperature being used and is best determined by the fluid supplier.

WELDING INFORMATION

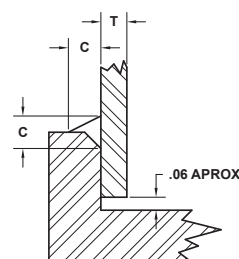
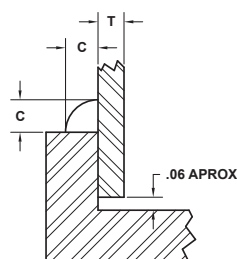
The following general information may need to be changed for specific applications. Consult with a welding specialist for specific applications.

When using ASTM A53 or A106 Grade B seamless pipe:

T = Nominal Wall Thickness of the pipe

C min = 1.25 T but not less than .16" (4mm)

Use low hydrogen electrode AWS E7018 series



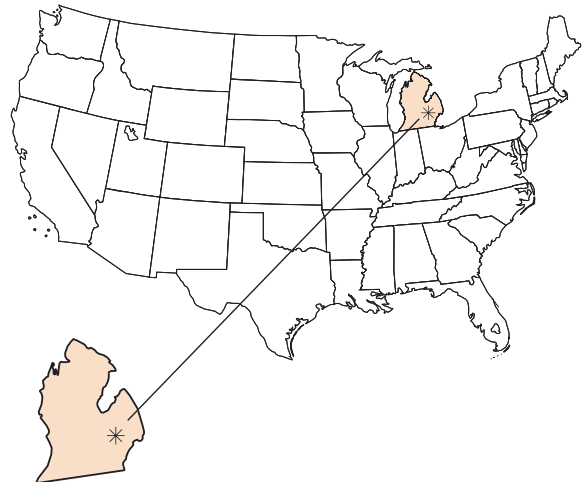
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MAIN Manufacturing Products, Inc. would like to thank all of our partners (customers, vendors and employees) who helped us become a premier supplier of hydraulic flanges and couplings for over 55 years. **MAIN** currently has over 1,200 active customers. We appreciate and thank their reliance on **MAIN's** quality, price and delivery to enhance their operations. We would also like to thank our vendors who help us provide delivery and the quality that our customers demand. A great amount of our success is due to our employees' desire for doing the right job, correctly. Their understanding that quality, safety and working efficiently are necessary attributes to success are noted and appreciated.

THANK YOU!

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MAIN Manufacturing Products, Inc. encourages visits to our Michigan facility where we produce most of the products we sell. Our continuous improvement philosophy means that significant changes have been made over the last few years. We welcome your visit.



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Toll Free: 800-521-7918
info@MAINmfg.com
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MAINmfg.com
3181 Tri-Park Drive
Grand Blanc, Michigan 48439