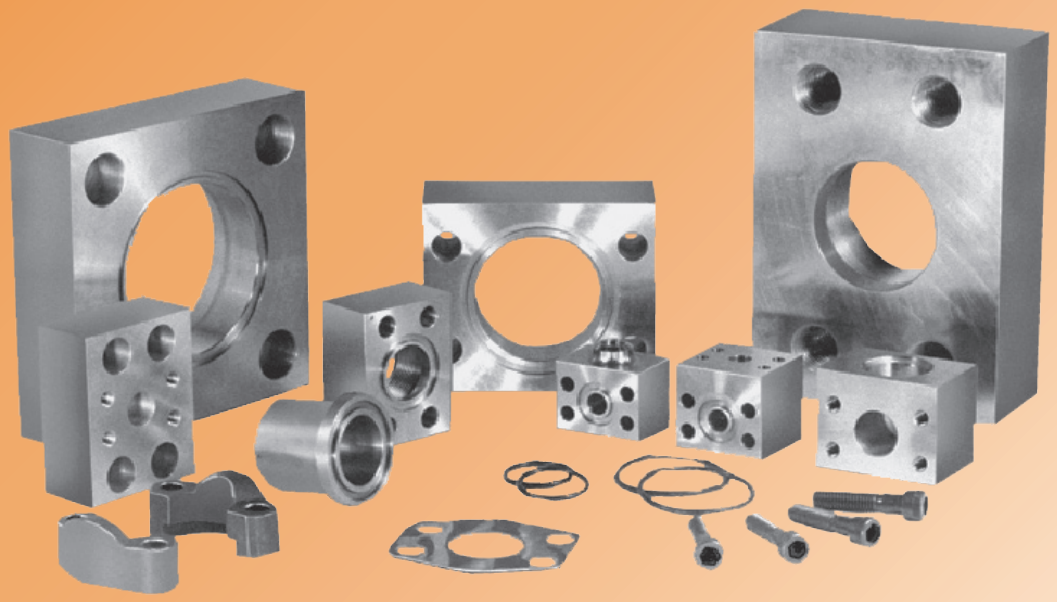
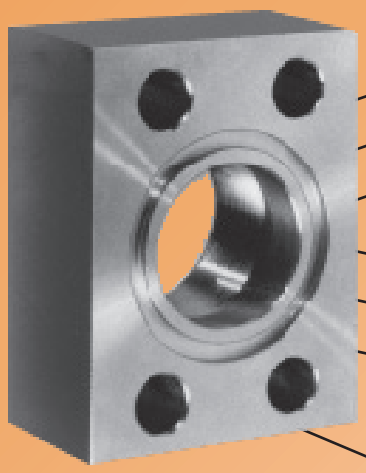
MAIN®
manufacturing products

CATALOG 45
316L STAINLESS EXPANDED
VERSION

‘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

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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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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:

CATALOG PART NUMBERING SYSTEM

6103 - 20 - 16 D M12

6 103 20 16 D M**

TYPE | **MODEL** | **PAD SIZE** | **PORT SIZE** | **OPTION**

Stainless Steel

Grade Specified by Option Code

6 = Standard - No Gauge Port
7 = 1/4" NPTF Gauge Port
8 = -4 ORB (7/16-20) Gauge Port

Carbon Steel

1 = Standard - No Gauge Port
2 = 1/4" NPTF Gauge Port
3 = -4 ORB (7/16-20) Gauge Port

Indicated in 1/16ths

08 = 1/2"	40 = 2 1/2"
12 = 3/4"	48 = 3"
16 = 1"	56 = 3 1/2"
20 = 1 1/4"	64 = 4"
24 = 1 1/2"	80 = 5"
32 = 2"	96 = 6"

00 = NO PORT

SS Grade

B = 304/304L
D = 316/316L

Metric

M** = Metric and screw size

EXAMPLE:
M12 - for use with M12 screws

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.

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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 1**5****, MK 2**5****, MK 3**5**** series: Socket head screws, lock washers, & Buna-N O-Ring
MK **6****, MK 1**6****, MK 2**6****, MK 3**6**** series: Socket head screws, lock washers, & Viton O-Ring
MK **7****, MK 1**7****, MK 2**7****, MK 3**7**** series: Hex head screws, lock washers, & Buna-N O-Ring
MK **8****, MK 1**8****, MK 2**8****, MK 3**8**** 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.**

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.

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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.**

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SOCKET WELD PIPE IN-LINE FLANGES (Pg 1/3)

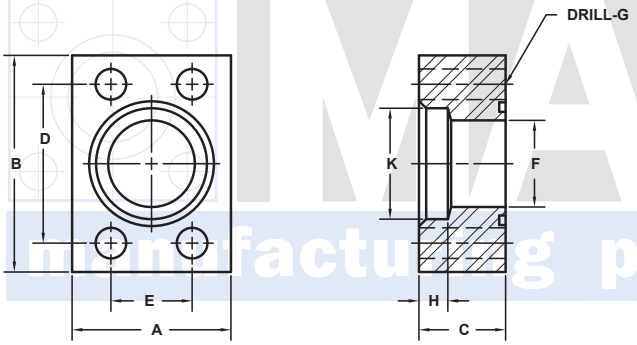
SAE BOLT PATTERN												61 SERIES			
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6101-08-08D	1.50	2.12	.75	1.500	.688	.50	.34	.38	.860	MK 501	5/16-18 x 1 1/4	210	.5
		6102-08-08D							5/16-18			---	---	---	
1/2	3/4	---	1.75	2.12	1.75	1.500	.688	.50	---	.50	1.070	---	---	---	1.6
		6102-08-12D							5/16-18			---	---	---	
3/4	1/2	6101-12-08D	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
		6102-12-08D							3/8-16			---	---	---	
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			---	---	---	
3/4	1	---	2.00	2.62	1.75	1.875	.875	.75	---	.50	1.335	---	---	---	2.1
		6102-12-16D							3/8-16			---	---	---	
1	1/2	6101-16-08D	2.00	2.82	1.00	2.062	1.031	.50	.41	.38	.860	MK 503	3/8-16 x 1 3/4	219	1.4
		6102-16-08D							3/8-16			---	---	---	
1	3/4	6101-16-12D	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
		6102-16-12D							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 1/4	---	2.50	2.82	2.00	2.062	1.031	1.00	---	.50	1.680	---	---	---	3.2
		6102-16-20D							3/8-16			---	---	---	
1 1/4	3/4	6101-20-12D	2.50	3.19	1.00	2.312	1.188	.75	.47	.50	1.070	MK 504	7/16-14 x 1 3/4	222	1.8
		6102-20-12D							7/16-14			---	---	---	
1 1/4	1	6101-20-16D	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
		6102-20-16D							7/16-14			---	---	---	

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

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

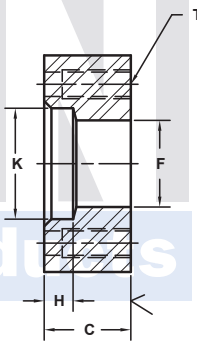
MATERIAL:
316L Stainless

O-Ring Style

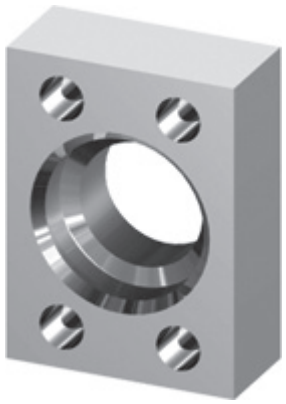


Model 6101 / 6103

Companion Style
(Flat Face)



Model 6102 / 6104



MAIN
Manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
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			---	---	---	
1/2	3/4	---	1.75	2.22	1.75	1.594	.718	.50	---	.50	1.070	---	---	---	1.6
		6104-08-12D							5/16-18			---	---	---	
3/4	1/2	6103-12-08D	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
		6104-12-08D							3/8-16			---	---	---	
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			---	---	---	
3/4	1	---	2.25	2.81	1.00	2.000	.937	.75	---	.50	1.335	---	---	---	1.2
		6104-12-16D							3/8-16			---	---	---	
1	3/4	6103-16-12D	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
		6104-16-12D							7/16-14			---	---	---	
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 1/4	---	2.50	3.19	2.50	2.250	1.093	1.00	---	.50	1.680	---	---	---	4.6
		6104-16-20D							7/16-14			---	---	---	

① Order Separately

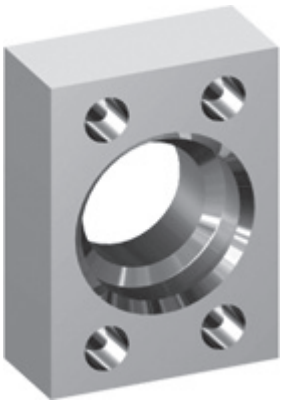
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SOCKET WELD PIPE IN-LINE FLANGES (Pg 2/3)

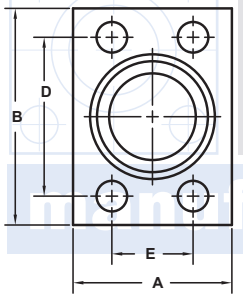
SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1¼	1¼	6101-20-20D	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.680	MK 504	7/16-14 x 1 3/4	222	1.5
		6102-20-20D							7/16-14			---	---	---	
1¼	1½	----------	3.00	3.19	2.50	2.312	1.188	1.25	---	.50	1.920	---	---	---	5.4
		6102-20-24D							7/16-14			---	---	---	
1½	¾	6101-24-12D	2.75	3.75	1.25	2.750	1.406	.75	.53	.50	1.070	MK 505	1/2-13 x 2	225	3.2
		6102-24-12D							1/2-13			---	---	---	
1½	1	6101-24-16D	2.75	3.75	1.25	2.750	1.406	1.00	.53	.50	1.335	MK 505	1/2-13 x 2	225	3.0
		6102-24-16D							1/2-13			---	---	---	
1½	1¼	6101-24-20D	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
		6102-24-20D							1/2-13			---	---	---	
1½	1½	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			---	---	---	
1½	2	----------	3.50	3.75	2.25	2.750	1.406	1.50	---	.50	2.411	---	---	---	3.2
		6102-24-32D							1/2-13			---	---	---	
2	1¼	6101-32-20D	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
		6102-32-20D							1/2-13			---	---	---	
2	1½	6101-32-24D	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
		6102-32-24D							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	2½	----------	4.00	4.00	2.50	3.062	1.688	1.94	---	.50	2.911	---	---	---	8.3
		6102-32-40D							1/2-13			---	---	---	

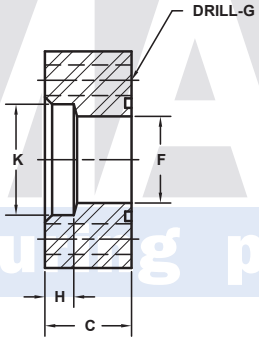
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



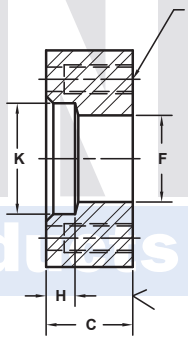
O-Ring Style





Model 6101 / 6103

Companion Style
(Flat Face)



Model 6102 / 6104

MAIN
manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
1¼	¾	6103-20-12D	2.75	3.75	1.25	2.625	1.250	.75	.53	.50	1.070	MK 514	1/2-13 x 2	222	3.0
		6104-20-12D							1/2-13			---	---	---	
1¼	1	6103-20-16D	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
		6104-20-16D							1/2-13			---	---	---	
1¼	1¼	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			---	---	---	
1¼	1½	----------	3.00	3.75	2.00	2.625	1.250	1.25	---	.50	1.920	---	---	---	5.1
		6104-20-24D							1/2-13			---	---	---	
1½	1	6103-24-16D	3.25	4.50	1.50	3.125	1.437	1.00	.66	.50	1.335	MK 515	5/8-11x 2 1/2	225	5.3
		6104-24-16D							5/8-11			---	---	---	
1½	1¼	6103-24-20D	3.25	4.50	1.50	3.125	1.437	1.25	.66	.50	1.680	MK 515	5/8-11x 2 1/2	225	5.1
		6104-24-20D							5/8-11			---	---	---	
1½	1½	6103-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	MK 515	5/8-11x 2 1/2	225	4.8
		6104-24-24D							5/8-11			---	---	---	
1½	2	----------	4.00	4.50	3.00	3.125	1.437	1.50	---	.62	2.411	---	---	---	12.6
		6104-24-32D							5/8-11			---	---	---	

① Order Separately

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SOCKET WELD PIPE IN-LINE FLANGES (Pg 3/3)

SAE BOLT PATTERN — 61 SERIES

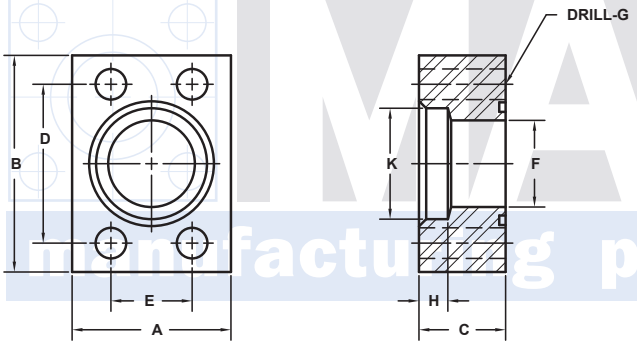
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2½②	2	6101-40-32D	4.00	4.50	1.75	3.500	2.000	1.94	.53	.62	2.411	MK 507	1/2-13 x 2 1/2	232	6.8
		6102-40-32D							1/2-13			---	---	---	
2½②	2½	6101-40-40D	4.00	4.50	1.75	3.500	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			---	---	---	
2½②	3	----------	5.00	5.00	3.00	3.500	2.000	2.44	----	.75	3.540	---	---	---	15.6
		6102-40-48D							1/2-13			---	---	---	
3③	2½	6101-48-40D	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
		6102-48-40D							5/8-11			---	---	---	
3③	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			---	---	---	
3½④	3	6101-56-48D	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
		6102-56-48D							5/8-11			---	---	---	
3½④	3½	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			---	---	---	
4④	3½	6101-64-56D	5.50	6.38	1.50	5.125	3.062	3.44	.66	.75	4.045	MK 510	5/8-11 x 2 1/2	245	9.3
		6102-64-56D							5/8-11			---	---	---	
4④	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			---	---	---	
5④	4	6101-80-64D	7.00	7.25	2.00	6.000	3.625	3.94	.66	.75	4.550	MK 511	5/8-11 x 3	253	19.7
		6102-80-64D							5/8-11			---	---	---	
5④	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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

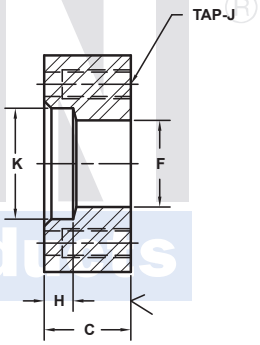
MATERIAL:
316L Stainless

O-Ring Style

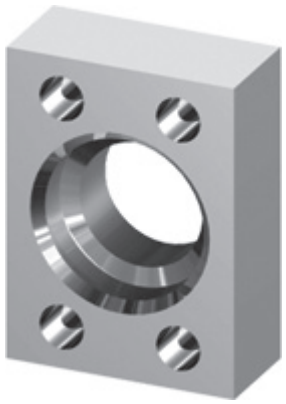


Model 6101 / 6103

Companion Style
(Flat Face)



Model 6102 / 6104



MAIN
Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1½	6103-32-24D	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
		6104-32-24D							3/4-10			---	---	---	
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	2½	----------	5.00	5.50	3.00	3.812	1.750	1.94	----	.62	2.911	---	---	---	19.1
		6104-32-40D							3/4-10			---	---	---	
2½	2	6103-40-32D	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
		6104-40-32D							7/8-9			---	---	---	
2½	2½	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			---	---	---	
2½	3	----------	5.00	6.88	2.00	4.875	2.312	2.44	----	.62	3.540	---	---	---	14.6
		6104-40-48D							7/8-9			---	---	---	
3	2½	6103-48-40D	6.00	8.50	2.50	6.000	2.812	2.44	1.19	.62	2.911	MK 718	1 1/8-7 x 4 1/2	237	28.8
		6104-48-40D							1 1/8-7			---	---	---	
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

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SOCKET WELD PIPE IN-LINE FLANGES

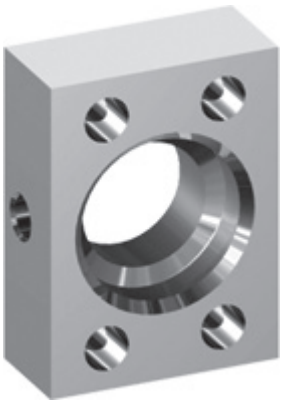
WITH 1/4" NPTF GAUGE PORT

SAE BOLT PATTERN — 61 SERIES

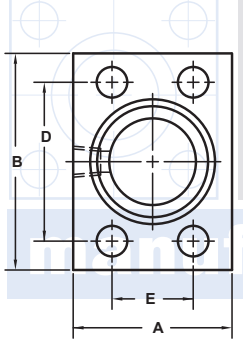
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	7101-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		7102-08-08D							5/16-18			---	---	---	
¾	¾	7101-12-12D	1.75	2.62	1.25	1.875	.875	.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			---	---	---	
1¼	1¼	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			---	---	---	
1½	1½	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			---	---	---	
2½②	2½	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			---	---	---	
3③	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			---	---	---	
3½④	3½	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			---	---	---	
4④	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			---	---	---	
5④	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			---	---	---	

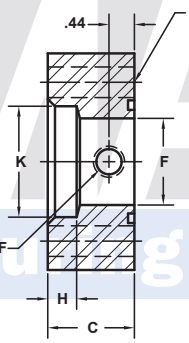
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



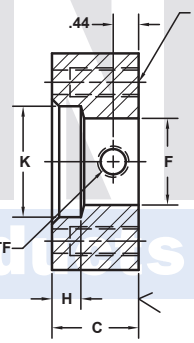
O-Ring Style





Model 7101 / 7103

Companion Style
(Flat Face)



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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	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
		7104-08-08D							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
		7104-12-12D							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
		7104-16-16D							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
		7104-20-20D							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
		7104-24-24D							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
		7104-32-32D							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
		7104-40-40D							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
		7104-48-48D							1 1/8-7			---	---	---	

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

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SOCKET WELD PIPE IN-LINE FLANGES

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

SAE BOLT PATTERN — **61 SERIES**

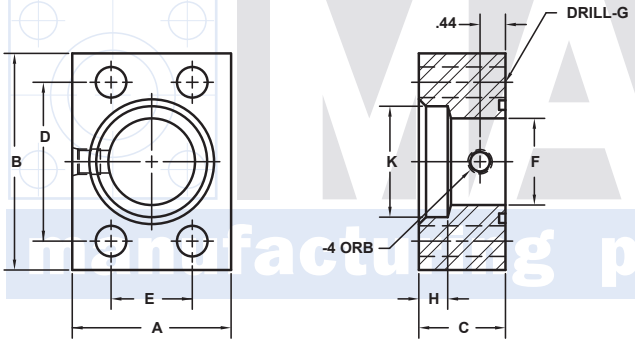
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	8101-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	.38	.860	MK 519	5/16-18 x 1 3/4	210	.7
		8102-08-08D							5/16-18			---	---	---	
¾	¾	8101-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	.50	1.070	MK 520	3/8-16 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			---	---	---	
1¼	1¼	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			---	---	---	
1½	1½	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			---	---	---	
2½②	2½	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			---	---	---	
3③	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			---	---	---	
3½④	3½	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			---	---	---	
4④	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			---	---	---	
5④	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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

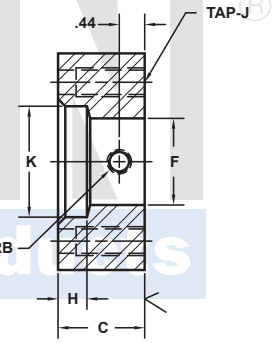
MATERIAL:
316L Stainless

O-Ring Style

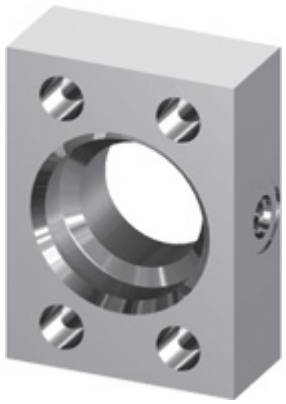


Model 8101 / 8103

Companion Style (Flat Face)



Model 8102 / 8104



MAIN Manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---	---	---	
¾	¾	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			---	---	---	
1¼	1¼	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			---	---	---	
1½	1½	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			---	---	---	
2½	2½	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

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FIND-A-FLANGE

MAIN's **"FIND-A-FLANGE"** tool connects the dots from picture → to dimensions → to part number. Using the "FIND-A-FLANGE" tool gets you from concept to the part number and catalog page quickly.

STEP 1. Visit our website at **MAINmfg.com**.

STEP 2. Click on the "**FIND-A-FLANGE**" link.

STEP 3. PICTURE - Choose the style of Flange needed.
- a. Choose from IN-LINE, ELBOW, RUN TEE or ADAPTER.
- b. O-Ring Style or Flat-Faced Style.
- c. Socket Weld, Female Threaded (NPTF, SAE Straight (ORB), ISO 6149, BSPP, BSPT, etc.), Butt Weld, or Flanged.

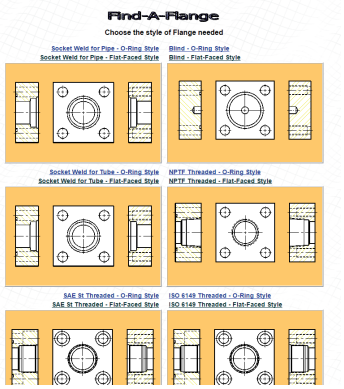
STEP 4. DIMENSIONS - Choose the pattern type.
- a. SAE J518 C61 or C62 for Imperial (UNC) or Metric bolts.
- b. 'MAIN' Square 3000 or 6000 Series
- c. JIS B2291 Type SH or SS
- d. ISO 6164 250 or 400 BAR

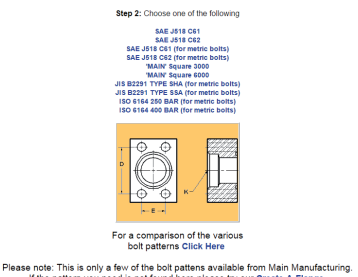
STEP 5. Find the PART NUMBER in the table.
- a. If you require stainless click either 304L or 316L link.
- b. To view a catalog page click the link below the table.

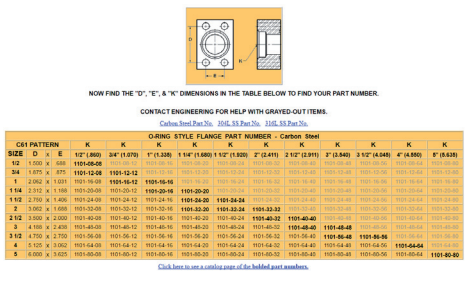
NOTE: If the flange you require is grayed-out or not on the table you can:
- a. Call **MAIN Manufacturing Products** at **(800) 521-7918** or send us an e-mail at **info@MAINmfg.com** to discuss options.
- b. Visit the "**CREATE-A-FLANGE**" tool.

STEP 6. Contact **MAIN Manufacturing Products** for a quote:
- a. E-mail at **info@MAINmfg.com**.
- b. Phone **(800) 521-7918** or **(810) 953-1380**.
- c. Fax **(810) 953-1385**.

Picture (step 3) → Dimensions (step 4) → Part Number (step 5)







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BLIND FLANGES

SAE BOLT PATTERN — 61 SERIES

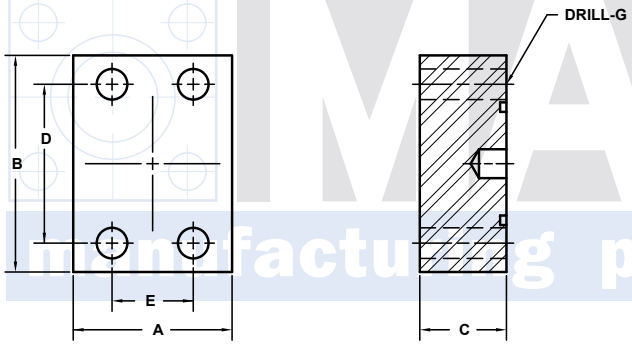
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	G / J	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	NA	6101-08-00D	1.50	2.12	.75	1.500	.688	.34	MK 501	5/16-18 x 1 1/4	210	.7
		6102-08-00D						5/16-18	---	---	---	
¾	NA	6101-12-00D	1.75	2.62	1.00	1.875	.875	.41	MK 502	3/8-16 x 1 3/4	214	1.2
		6102-12-00D						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	---	---	---	
1¼	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	---	---	---	
1½	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	---	---	---	
2½②	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	---	---	---	
3③	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	---	---	---	
3½④	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	---	---	---	
4④	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	---	---	---	
5④	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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

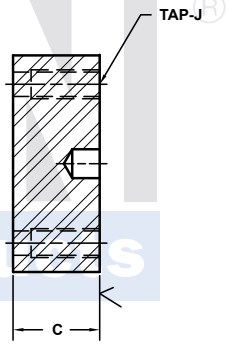
MATERIAL:
316L Stainless

O-Ring Style

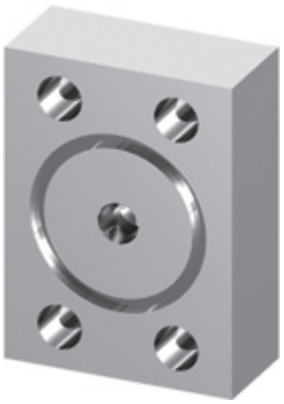


Model 6101 / 6103

Companion Style
(Flat Face)



Model 6102 / 6104



MAIN Manufacturing products

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 / J	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	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	---	---	---	
¾	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	---	---	---	
1¼	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	---	---	---	
1½	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	---	---	---	
2½	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

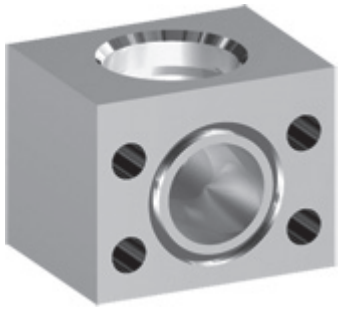
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SOCKET WELD PIPE ELBOW FLANGES (Pg 1/2)

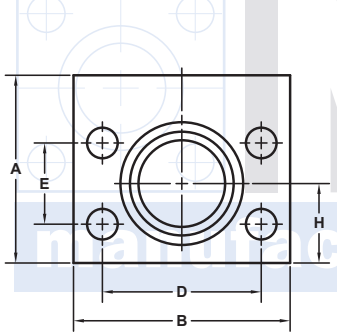
SAE BOLT PATTERN 61 SERIES																
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	6125-08-08D	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.860	MK 541	5/16-18 x 2	210	1.3
		6126-08-08D							5/16-18			---	---	---	
¾	½	6125-12-08D	2.00	2.62	1.70	1.875	.875	.75	.41	.88	.860	MK 542	3/8-16 x 2 1/2	214	2.1
		6126-12-08D							3/8-16			---	---	---	
¾	¾	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
		6126-12-12D							3/8-16			---	---	---	
1	¾	6125-16-12D	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
		6126-16-12D							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
		6126-16-16D							3/8-16			---	---	---	
1¼	1	6125-20-16D	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
		6126-20-16D							7/16-14			---	---	---	
1¼	1¼	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
		6126-20-20D							7/16-14			---	---	---	
1¼	1½	6125-20-24D	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
		6126-20-24D							7/16-14			---	---	---	
1½	1¼	6125-24-20D	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
		6126-24-20D							1/2-13			---	---	---	
1½	1½	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
		6126-24-24D							1/2-13			---	---	---	
1½	2	6125-24-32D	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
		6126-24-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

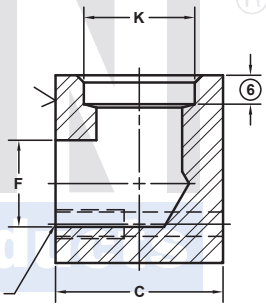


O-Ring Style



Model 6125 / 6127

Companion Style
(Flat Face)



Model 6126 / 6128

MAIN® manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---	---	---	
¾	½	6127-12-08D	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
		6128-12-08D							3/8-16			---	---	---	
¾	¾	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	¾	6127-16-12D	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
		6128-16-12D							7/16-14			---	---	---	
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			---	---	---	
1¼	1	6127-20-16D	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
		6128-20-16D							1/2-13			---	---	---	
1¼	1¼	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			---	---	---	
1¼	1½	6127-20-24D	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
		6128-20-24D							1/2-13			---	---	---	

① Order Separately

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

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SOCKET WELD PIPE ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN — 61 SERIES

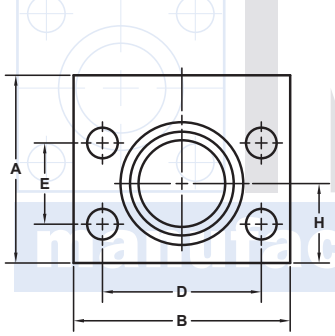
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6125-32-20D	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	1.680	MK 546	1/2-13 x 4 1/2	228	10.4
		6126-32-20D							1/2-13			---	---	---	
2	1½	6125-32-24D	3.50	4.00	3.40	3.062	1.688	1.94	.53	1.62	1.920	MK 546	1/2-13 x 4 1/2	228	10.2
		6126-32-24D							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
		6126-32-32D							1/2-13			---	---	---	
2½②	2	6125-40-32D	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
		6126-40-32D							1/2-13			---	---	---	
2½②	2½	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
		6126-40-40D							1/2-13			---	---	---	
3③	2½	6125-48-40D	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
		6126-48-40D							5/8-11			---	---	---	
3③	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
		6126-48-48D							5/8-11			---	---	---	
3½④	3	6125-56-48D	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
		6126-56-48D							5/8-11			---	---	---	
3½④	3½	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
		6126-56-56D							5/8-11			---	---	---	
4④	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
		6126-64-64D							5/8-11			---	---	---	
5④	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
		6126-80-80D							5/8-11			---	---	---	

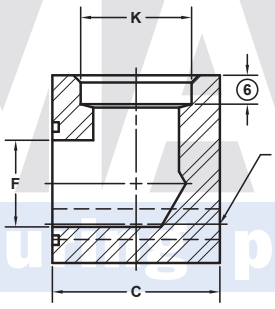
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

MATERIAL:
316L Stainless

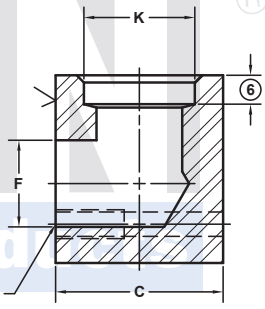
O-Ring Style



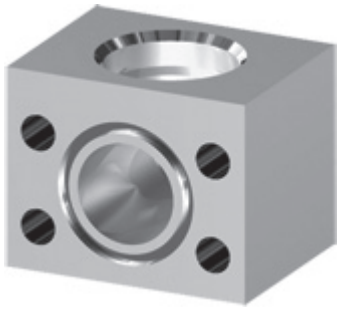


Model 6125 / 6127

Companion Style
(Flat Face)



Model 6126 / 6128



MAIN
manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6127-24-20D	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
		6128-24-20D							5/8-11			---	---	---	
1½	1½	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			---	---	---	
1½	2	6127-24-32D	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
		6128-24-32D							5/8-11			---	---	---	
2	1½	6127-32-24D	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
		6128-32-24D							3/4-10			---	---	---	
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			---	---	---	
2½	2	6127-40-32D	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
		6128-40-32D							7/8-9			---	---	---	
2½	2½	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 1/4" to 2 1/2" is .50" (2 1/2" 62 Series is .62"); 3" to 5" is .62"

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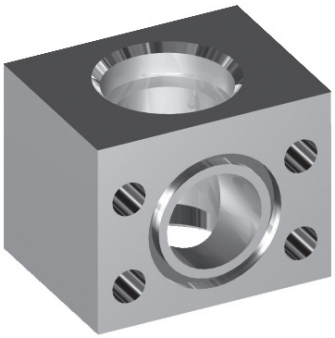
SOCKET WELD PIPE BRANCH TEE FLANGES

SAE BOLT PATTERN — 61 SERIES

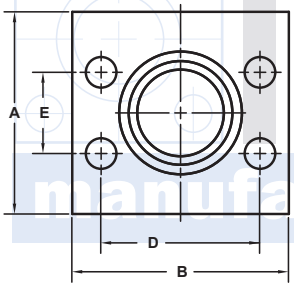
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6165-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.38	.860	MK 541	5/16-18 x 2	210	1.3
		6166-08-08D							5/16-18			---	---	---	
¾	¾	6165-12-12D	2.25	2.62	1.70	1.875	.875	.75	.41	.50	1.070	MK 542	3/8-16 x 2 1/2	214	2.2
		6166-12-12D							3/8-16			---	---	---	
1	1	6165-16-16D	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
		6166-16-16D							3/8-16			---	---	---	
1¼	1¼	6165-20-20D	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
		6166-20-20D							7/16-14			---	---	---	
1½	1½	6165-24-24D	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
		6166-24-24D							1/2-13			---	---	---	
2	2	6165-32-32D	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
		6166-32-32D							1/2-13			---	---	---	
2½②	2½	6165-40-40D	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
		6166-40-40D							1/2-13			---	---	---	
3③	3	6165-48-48D	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
		6166-48-48D							5/8-11			---	---	---	
3½④	3½	6165-56-56D	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
		6166-56-56D							5/8-11			---	---	---	
4④	4	6165-64-64D	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
		6166-64-64D							5/8-11			---	---	---	
5④	5	6165-80-80D	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
		6166-80-80D							5/8-11			---	---	---	

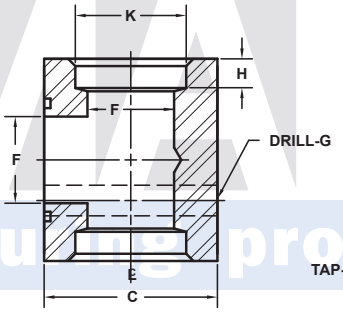
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



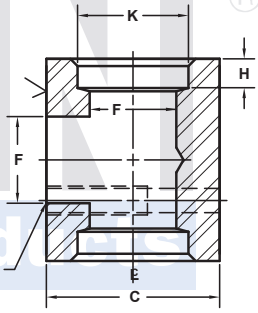
O-Ring Style





Model 6165 / 6167

Companion Style
(Flat Face)



Model 6166 / 6168

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manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6167-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.38	.860	MK 541	5/16-18 x 2	210	1.5
		6168-08D-08							5/16-18			---	---	---	
¾	¾	6167-12-12D	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
		6168-12-12D							3/8-16			---	---	---	
1	1	6167-16-16D	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
		6168-16-16D							7/16-14			---	---	---	
1¼	1¼	6167-20-20D	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
		6168-20-20D							1/2-13			---	---	---	
1½	1½	6167-24-24D	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
		6168-24-24D							5/8-11			---	---	---	
2	2	6167-32-32D	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
		6168-32-32D							3/4-10			---	---	---	
2½	2½	6167-40-40D	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
		6168-40-40D							7/8-9			---	---	---	
3	3	6167-48-48D	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
		6168-48-48D							1 1/8-7			---	---	---	

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

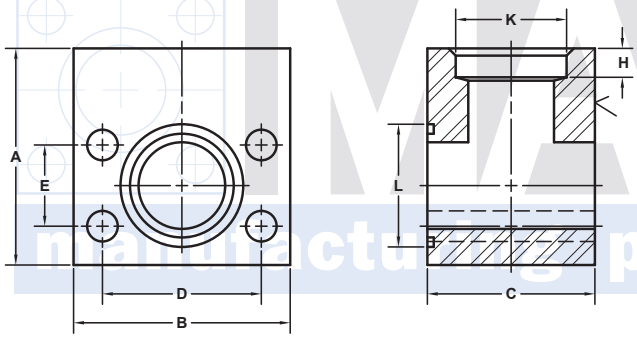
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SOCKET WELD PIPE RUN TEE FLANGES

SAE BOLT PATTERN												61 SERIES
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	H	K	L	O-RING ①	WT
½	½	6189-08-08D 6190-08-08D	1.75	2.12	1.44	1.500	.688	.38	.860	1.000 ---	210 ---	1.3
¾	¾	6189-12-12D 6190-12-12D	2.00	2.62	1.70	1.875	.875	.50	1.070	1.250 ---	214 ---	2.0
1	1	6189-16-16D 6190-16-16D	2.25	2.82	1.94	2.062	1.031	.50	1.335	1.562 ---	219 ---	2.7
1¼	1¼	6189-20-20D 6190-20-20D	2.75	3.19	2.40	2.312	1.188	.50	1.680	1.750 ---	222 ---	4.8
1½	1½	6189-24-24D 6190-24-24D	3.00	3.75	2.90	2.750	1.406	.50	1.920	2.125 ---	225 ---	7.0
2	2	6189-32-32D 6190-32-32D	3.50	4.00	3.40	3.062	1.688	.50	2.411	2.500 ---	228 ---	9.5
2½②	2½	6189-40-40D 6190-40-40D	4.00	4.50	3.96	3.500	2.000	.50	2.911	3.000 ---	232 ---	15.0
3③	3	6189-48-48D 6190-48-48D	5.00	5.31	4.96	4.188	2.438	.62	3.540	3.625 ---	237 ---	27.2
3½④	3½	6189-56-56D 6190-56-56D	5.50	6.00	5.40	4.750	2.750	.62	4.045	4.109 ---	241 ---	37.0
4④	4	6189-64-64D 6190-64-64D	6.00	6.38	5.96	5.125	3.062	.62	4.550	4.609 ---	245 ---	48.0
5④	5	6189-80-80D 6190-80-80D	7.00	7.25	6.90	6.000	3.625	.62	5.635	5.609 ---	253 ---	60.0

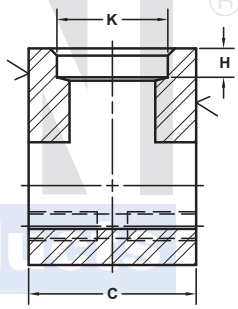
MATERIAL:
316L Stainless

O-Ring Style

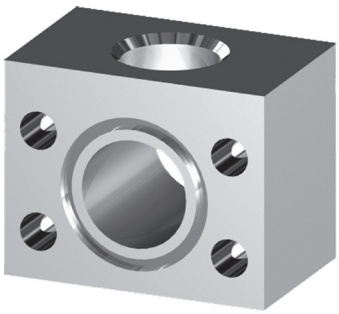


Model 6189 / 6191

Companion Style
(Flat Face)



Model 6190 / 6192



MAIN
manufacturing products

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
½	½	6191-08-08D 6192-08-08D	2.00	2.22	1.46	1.594	.718	.38	.860	1.000 ---	210 ---	1.5
¾	¾	6191-12-12D 6192-12-12D	2.25	2.81	1.70	2.000	.937	.50	1.070	1.250 ---	214 ---	2.5
1	1	6191-16-16D 6192-16-16D	2.50	3.19	2.21	2.250	1.093	.50	1.335	1.562 ---	219 ---	4.5
1¼	1¼	6191-20-20D 6192-20-20D	3.00	3.75	2.44	2.625	1.250	.50	1.680	1.750 ---	222 ---	6.5
1½	1½	6191-24-24D 6192-24-24D	3.50	4.50	2.96	3.125	1.437	.50	1.920	2.125 ---	225 ---	10.0
2	2	6191-32-32D 6192-32-32D	4.00	5.25	3.46	3.812	1.750	.50	2.411	2.500 ---	228 ---	15.0
2½	2½	6191-40-40D 6192-40-40D	5.50	6.88	4.50	4.875	2.312	.62	2.911	3.000 ---	232 ---	34.2
3	3	6191-48-48D 6192-48-48D	6.00	8.50	5.00	6.000	2.812	.62	3.540	3.625 ---	237 ---	48.0

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

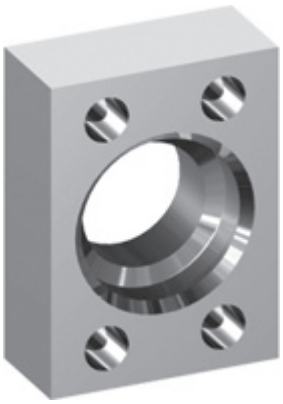
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SOCKET WELD TUBE IN-LINE FLANGES

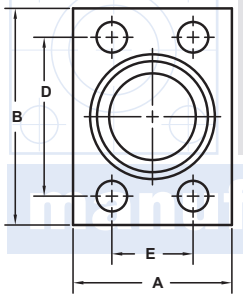
SAE BOLT PATTERN 61 SERIES																
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	6113-08-08D	1.50	2.12	.75	1.500	.688	.31	.34	.38	.510	MK 501	5/16-18 x 1 1/4	210	.6
		6114-08-08D							5/16-18			---	---	---	
½	¾	6113-08-12D	1.50	2.12	.75	1.500	.688	.50	.34	.38	.760	MK 501	5/16-18 x 1 1/4	210	.5
		6114-08-12D							5/16-18			---	---	---	
¾	¾	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			---	---	---	
¾	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	1¼	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			---	---	---	
1¼	1¼	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			---	---	---	
1¼	1½	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			---	---	---	
1½	1½	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			---	---	---	
1½	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			---	---	---	
2	2	6113-32-32D	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
		6114-32-32D							1/2-13			---	---	---	

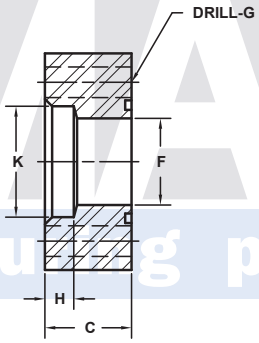
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



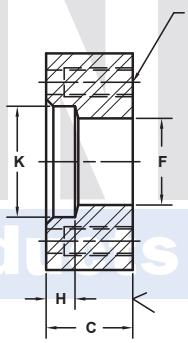
O-Ring Style





Model 6113 / 6115

Companion Style
(Flat Face)



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 / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	¾	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			---	---	---	
¾	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	1¼	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			---	---	---	
1¼	1¼	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			---	---	---	
1¼	1½	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			---	---	---	
1½	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			---	---	---	
2	2	6115-32-32D	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
		6116-32-32D							3/4-10			---	---	---	

① Order Separately

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SOCKET WELD TUBE ELBOW FLANGES

SAE BOLT PATTERN — 61 SERIES

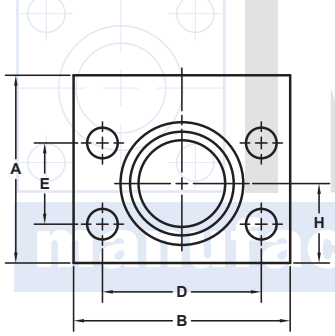
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6129-08-08D	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.510	MK 541	5/16-18 x 2	210	1.3
		6130-08-08D							5/16-18			---------	---------	---	
½	¾	6129-08-12D	1.75	2.12	1.44	1.500	.688	.50	.34	.75	.760	MK 541	5/16-18 x 2	210	1.2
		6130-08-12D							5/16-18			---------	---------	---	
¾	¾	6129-12-12D	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
		6130-12-12D							3/8-16			---------	---------	---	
¾	1	6129-12-16D	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
		6130-12-16D							3/8-16			---------	---------	---	
1	1	6129-16-16D	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
		6130-16-16D							3/8-16			---------	---------	---	
1	1¼	6129-16-20D	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
		6130-16-20D							3/8-16			---------	---------	---	
1¼	1¼	6129-20-20D	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
		6130-20-20D							7/16-14			---------	---------	---	
1¼	1½	6129-20-24D	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
		6130-20-24D							7/16-14			---------	---------	---	
1½	1½	6129-24-24D	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
		6130-24-24D							1/2-13			---------	---------	---	
1½	2	6129-24-32D	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
		6130-24-32D							1/2-13			---------	---------	---	
2	2	6129-32-32D	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
		6130-32-32D							1/2-13			---------	---------	---	

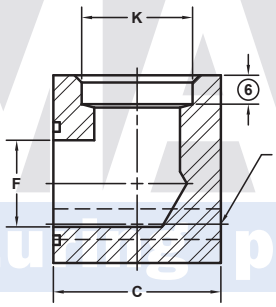
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

MATERIAL:
316L Stainless

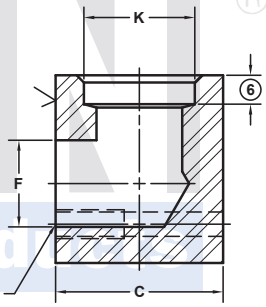
O-Ring Style



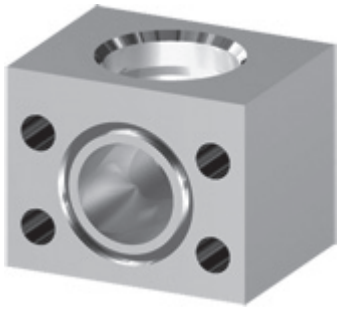


Model 6129 / 6131

Companion Style
(Flat Face)



Model 6130 / 6132



MAIN ®
manufacturing products

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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	¾	6131-08-12D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	.760	MK 541	5/16-18 x 2	210	1.5
		6132-08-12D							5/16-18			---------	---------	---	
¾	1	6131-12-16D	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
		6132-12-16D							3/8-16			---------	---------	---	
1	1	6131-16-16D	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
		6132-16-16D							7/16-14			---------	---------	---	
1	1¼	6131-16-20D	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
		6132-16-20D							7/16-14			---------	---------	---	
1¼	1¼	6131-20-20D	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
		6132-20-20D							1/2-13			---------	---------	---	
1¼	1½	6131-20-24D	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
		6132-20-24D							1/2-13			---------	---------	---	
1½	2	6131-24-32D	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
		6132-24-32D							5/8-11			---------	---------	---	
2	2	6131-32-32D	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
		6132-32-32D							3/4-10			---------	---------	---	

① Order Separately

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

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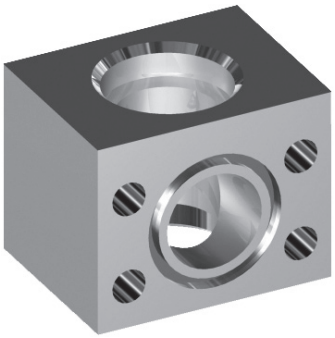
SOCKET WELD TUBE BRANCH TEE FLANGES

SAE BOLT PATTERN — 61 SERIES

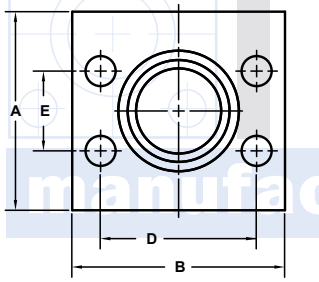
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6169-08-08D	2.00	2.12	1.44	1.500	.688	.31	.34	.38	.510	MK 541	5/16-18 x 2	210	1.5
		6170-08-08D							5/16-18			---	---	---	
½	¾	6169-08-12D	2.00	2.12	1.44	1.500	.688	.50	.34	.38	.760	MK 541	5/16-18 x 2	210	1.4
		6170-08-12D							5/16-18			---	---	---	
¾	¾	6169-12-12D	2.25	2.62	1.70	1.875	.875	.62	.41	.38	.760	MK 542	3/8-16 x 2 1/2	214	2.3
		6170-12-12D							3/8-16			---	---	---	
¾	1	6169-12-16D	2.25	2.62	1.70	1.875	.875	.75	.41	.50	1.010	MK 542	3/8-16 x 2 1/2	214	2.1
		6170-12-16D							3/8-16			---	---	---	
1	1	6169-16-16D	2.50	2.82	1.94	2.062	1.031	.75	.41	.50	1.010	MK 543	3/8-16 x 2 3/4	219	3.0
		6170-16-16D							3/8-16			---	---	---	
1	1¼	6169-16-20D	2.50	2.82	1.94	2.062	1.031	1.00	.41	.50	1.260	MK 543	3/8-16 x 2 3/4	219	2.7
		6170-16-20D							3/8-16			---	---	---	
1¼	1¼	6169-20-20D	3.00	3.19	2.40	2.312	1.188	1.00	.47	.50	1.260	MK 578	7/16-14 x 3 1/4	222	4.9
		6170-20-20D							7/16-14			---	---	---	
1¼	1½	6169-20-24D	3.00	3.19	2.40	2.312	1.188	1.25	.47	.50	1.510	MK 578	7/16-14 x 3 1/4	222	4.5
		6170-20-24D							7/16-14			---	---	---	
1½	1½	6169-24-24D	3.50	3.75	2.90	2.750	1.406	1.25	.53	.50	1.510	MK 545	1/2-13 x 4	225	8.1
		6170-24-24D							1/2-13			---	---	---	
1½	1¾	6169-24-28D	3.50	3.75	2.90	2.750	1.406	1.50	.53	.50	1.760	MK 545	1/2-13 x 4	225	7.6
		6170-24-28D							1/2-13			---	---	---	
1½	2	6169-24-32D	3.50	3.75	2.90	2.750	1.406	1.50	.53	.50	2.010	MK 545	1/2-13 x 4	225	7.4
		6170-24-32D							1/2-13			---	---	---	

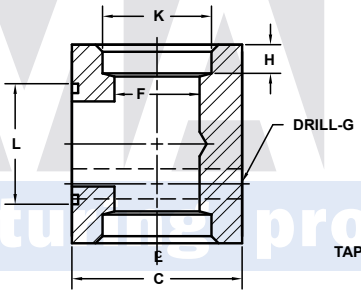
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



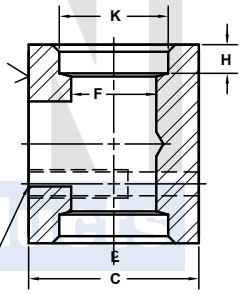
O-Ring Style





Model 6169 / 6171

Companion Style (Flat Face)



Model 6170 / 6172

MAIN® manufacturing products

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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	¾	6171-08-12D	2.00	2.22	1.46	1.594	.718	.50	.34	.38	.760	MK 541	5/16-18 x 2	210	1.5
		6172-08-12D							5/16-18			---	---	---	
¾	1	6171-12-16D	2.50	2.81	1.70	2.000	.937	.75	.41	.50	1.010	MK 542	3/8-16 x 2 1/2	214	2.6
		6172-12-16D							3/8-16			---	---	---	
1	1	6171-16-16D	2.75	3.19	2.21	2.250	1.093	.75	.47	.50	1.010	MK 2533	7/16-14 x 3	219	4.4
		6172-16-16D							7/16-14			---	---	---	
1	1¼	6171-16-20D	2.75	3.19	2.21	2.250	1.093	1.00	.47	.50	1.260	MK 2533	7/16-14 x 3	219	4.1
		6172-16-20D							7/16-14			---	---	---	
1¼	1¼	6171-20-20D	3.00	3.75	2.44	2.625	1.250	1.00	.53	.50	1.260	MK 552	1/2-13 x 3 1/4	222	6.0
		6172-20-20D							1/2-13			---	---	---	
1¼	1½	6171-20-24D	3.00	3.75	2.44	2.625	1.250	1.25	.53	.50	1.510	MK 552	1/2-13 x 3 1/4	222	5.7
		6172-20-24D							1/2-13			---	---	---	
1½	1¾	6171-24-28D	3.50	4.50	2.96	3.125	1.437	1.50	.66	.50	1.760	MK 553	5/8-11 x 4	225	9.6
		6172-24-28D							5/8-11			---	---	---	
1½	2	6171-24-32D	3.50	4.50	2.96	3.125	1.437	1.50	.66	.50	2.010	MK 553	5/8-11 x 4	225	9.4
		6172-24-32D							5/8-11			---	---	---	

① Order Separately

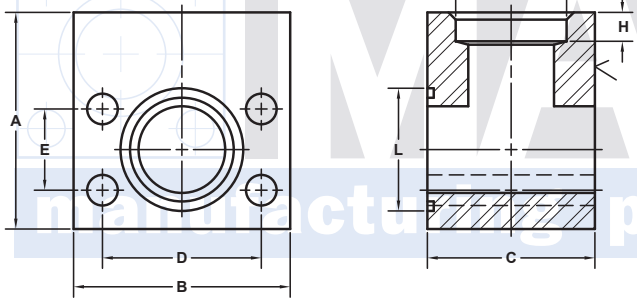
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SOCKET WELD TUBE RUN TEE FLANGES

SAE BOLT PATTERN								61 SERIES				
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	H	K	L	O-RING ①	WT
½	½	6193-08-08D 6194-08-08D	1.75	2.12	1.44	1.500	.688	.38	.510	1.000 ---	210 ---	1.2
½	¾	6193-08-12D 6194-08-12D	1.75	2.12	1.44	1.500	.688	.38	.760	1.000 ---	210 ---	1.2
¾	¾	6193-12-12D 6194-12-12D	2.00	2.62	1.70	1.875	.875	.50	.760	1.250 ---	214 ---	2.0
¾	1	6193-12-16D 6194-12-16D	2.00	2.62	1.70	1.875	.875	.50	1.010	1.250 ---	214 ---	1.9
1	1	6193-16-16D 6194-16-16D	2.25	2.82	1.94	2.062	1.031	.50	1.010	1.562 ---	219 ---	2.6
1	1¼	6193-16-20D 6194-16-20D	2.25	2.82	1.94	2.062	1.031	.50	1.260	1.562 ---	219 ---	2.5
1¼	1¼	6193-20-20D 6194-20-20D	2.75	3.19	2.40	2.312	1.188	.50	1.260	1.750 ---	222 ---	4.4
1¼	1½	6193-20-24D 6194-20-24D	2.75	3.19	2.40	2.312	1.188	.50	1.510	1.750 ---	222 ---	4.2
1½	1½	6193-24-24D 6194-24-24D	3.00	3.75	2.90	2.750	1.406	.50	1.510	2.125 ---	225 ---	6.6
1½	1¾	6193-24-28D 6194-24-28D	3.00	3.75	2.90	2.750	1.406	.50	1.760	2.125 ---	225 ---	6.5
1½	2	6193-24-32D 6194-24-32D	3.00	3.75	2.90	2.750	1.406	.50	2.010	2.125 ---	225 ---	6.4

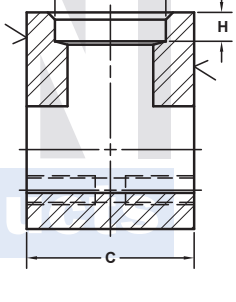
MATERIAL:
316L Stainless

O-Ring Style

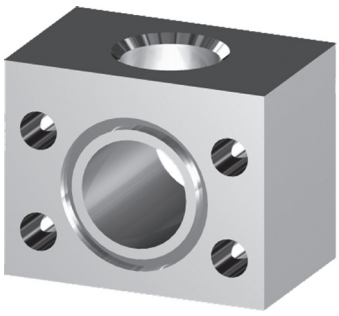


Model 6193 / 6195

Companion Style
(Flat Face)



Model 6194 / 6196



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	H	K	L	O-RING ①	WT
½	¾	6195-08-12D 6196-08-12D	2.00	2.22	1.46	1.594	.718	.38	.760	1.000 ---	210 ---	1.5
¾	1	6195-12-16D 6196-12-16D	2.25	2.81	1.70	2.000	.937	.50	1.010	1.250 ---	214 ---	2.4
1	1	6195-16-16D 6196-16-16D	2.50	3.19	2.21	2.250	1.093	.50	1.010	1.562 ---	219 ---	3.9
1	1¼	6195-16-20D 6196-16-20D	2.50	3.19	2.21	2.250	1.093	.50	1.260	1.562 ---	219 ---	3.8
1¼	1¼	6195-20-20D 6196-20-20D	3.00	3.75	2.44	2.625	1.250	.50	1.260	1.750 ---	222 ---	6.0
1¼	1½	6195-20-24D 6196-20-24D	3.00	3.75	2.44	2.625	1.250	.50	1.510	1.750 ---	222 ---	5.8
1½	1¾	6195-24-28D 6196-24-28D	3.50	4.50	2.96	3.125	1.437	.50	1.760	2.125 ---	225 ---	9.9
1½	2	6195-24-32D 6196-24-32D	3.50	4.50	2.96	3.125	1.437	.50	2.010	2.125 ---	225 ---	9.7

① Includes Buna N O-Ring

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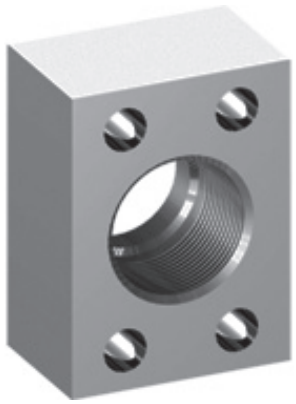
NPTF THREADED IN-LINE FLANGES (Pg 1/2)

SAE BOLT PATTERN — 61 SERIES

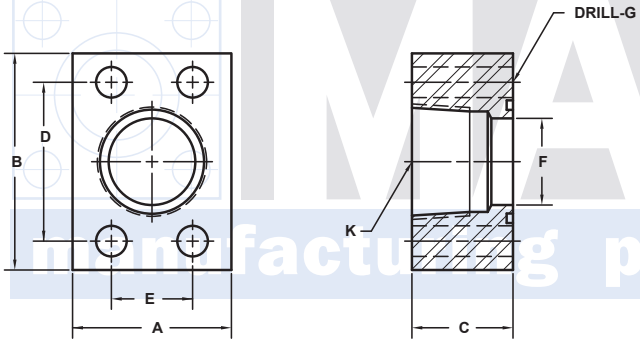
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1/2	1/2	6149-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34		1/2	MK 519	5/16-18 x 1 3/4	210	.8
		6150-08-08D							5/16-18			---	---	---	
3/4	1/2	6149-12-08D	1.75	2.62	1.25	1.875	.875	.70	.41		1/2	MK 520	3/8-16 x 2	214	1.3
		6150-12-08D							3/8-16			---	---	---	
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	3/4	6149-16-12D	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
		6150-16-12D							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	6149-20-16D	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
		6150-20-16D							7/16-14			---	---	---	
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 1/4	1 1/2	----------	3.00	3.19	3.00	2.312	1.188	1.25	----		1 1/2	---	---	---	6.4
		6150-20-24D							7/16-14			---	---	---	
1 1/2	1 1/4	6149-24-20D	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
		6150-24-20D							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			---	---	---	
1 1/2	2	----------	3.50	3.75	3.50	2.750	1.406	1.50	----		2	---	---	---	10.1
		6150-24-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

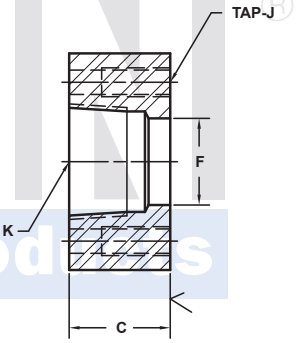


O-Ring Style



Model 6149 / 6151

Companion Style
(Flat Face)



Model 6150 / 6152

MAIN manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
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	1/2	6151-12-08D	2.00	2.81	1.25	2.000	.937	.70	.41		1/2	MK 520	3/8-16 x 2	214	1.6
		6152-12-08D							3/8-16			---	---	---	
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	3/4	6151-16-12D	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
		6152-16-12D							7/16-14			---	---	---	
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	6151-20-16D	2.75	3.75	1.50	2.625	1.250	1.16	.53		1	MK 526	1/2-13 x 2 1/4	222	3.9
		6152-20-16D							1/2-13			---	---	---	
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 1/4	1 1/2	----------	2.75	3.75	3.00	2.625	1.250	1.25	----		1 1/2	---	---	---	7.9
		6152-20-24D							1/2-13			---	---	---	

① Order Separately

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

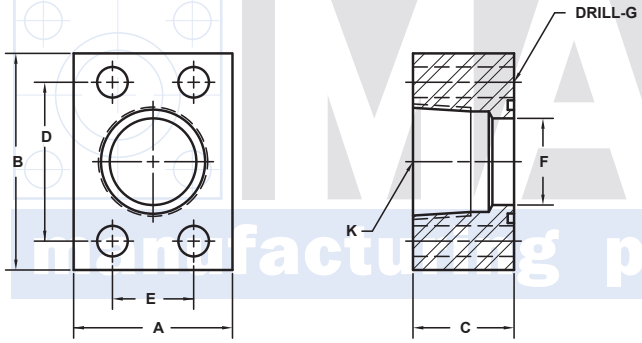
SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K NPTF	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
2	1¼	6149-32-20D	3.25	4.00	1.75	3.062	1.688	1.50	.53		1 1/4	MK 524	1/2-13 x 2 1/2	228	5.2
		6150-32-20D							1/2-13			---------	---------	---	
2	1½	6149-32-24D	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
		6150-32-24D							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			---------	---------	---	
2½②	1½	6149-40-24D	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
		6150-40-24D							1/2-13			---------	---------	---	
2½②	2	6149-40-32D	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
		6150-40-32D							1/2-13			---------	---------	---	
2½②	2½	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			---------	---------	---	
3③	2	6149-48-32D	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
		6150-48-32D							5/8-11			---------	---------	---	
3③	2½	6149-48-40D	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
		6150-48-40D							5/8-11			---------	---------	---	
3③	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			---------	---------	---	
3½④	3½	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			---------	---------	---	
4④	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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

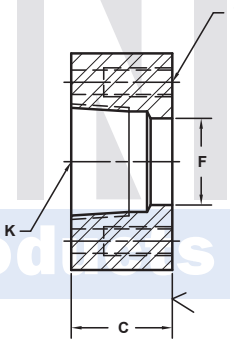
MATERIAL:
316L Stainless

O-Ring Style

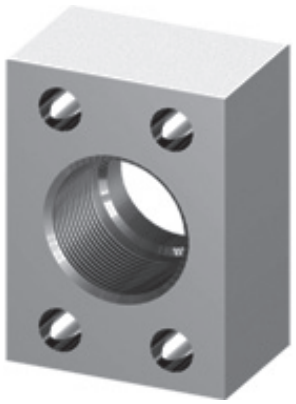


Model 6149 / 6151

Companion Style
(Flat Face)



Model 6150 / 6152



MAIN
Manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
1½	1¼	6151-24-20D	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
		6152-24-20D							5/8-11			---------	---------	---	
1½	1½	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			---------	---------	---	
1½	2	----------	4.00	4.50	4.00	3.125	1.437	1.50	----		2	---------	---------	---	17.0
		6152-24-32D							5/8-11			---------	---------	---	
2	1½	6151-32-24D	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
		6152-32-24D							3/4-10			---------	---------	---	
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			---------	---------	---	
2½	2	6151-40-32D	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
		6152-40-32D							7/8-9			---------	---------	---	
2½	2½	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

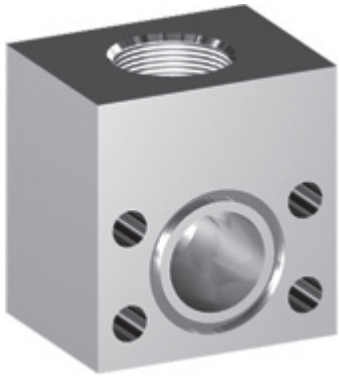
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NPTF THREADED ELBOW FLANGES (Pg 1/2)

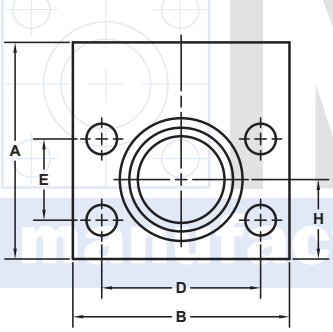
SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K NPTF	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6161-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2	MK 541	5/16-18 x 2	210	1.5
		6162-08-08D							5/16-18			---	---	---	
3/4	1/2	6161-12-08D	2.50	2.62	1.70	1.875	.875	.75	.41	.88	1/2	MK 542	3/8-16 x 2 1/2	214	2.7
		6162-12-08D							3/8-16			---	---	---	
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	3/4	6161-16-12D	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
		6162-16-12D							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 1/4	1 1/2	6161-20-24D	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
		6162-20-24D							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			---	---	---	
1 1/2	2	6161-24-32D	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
		6162-24-32D							1/2-13			---	---	---	

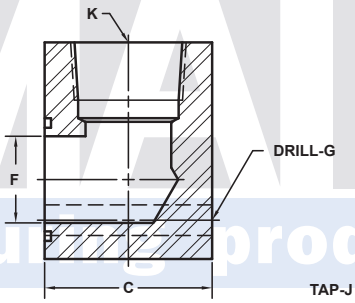
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



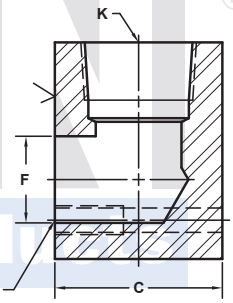
O-Ring Style





Model 6161 / 6163

Companion Style
(Flat Face)



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 / J	H	K NPTF	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
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	1/2	6163-12-08D	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
		6164-12-08D							3/8-16			---	---	---	
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	3/4	6163-16-12D	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
		6164-16-12D							7/16-14			---	---	---	
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	6163-20-16D	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
		6164-20-16D							1/2-13			---	---	---	
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 1/4	1 1/2	6163-20-24D	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
		6164-20-24D							1/2-13			---	---	---	

① Order Separately

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NPTF THREADED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN — 61 SERIES

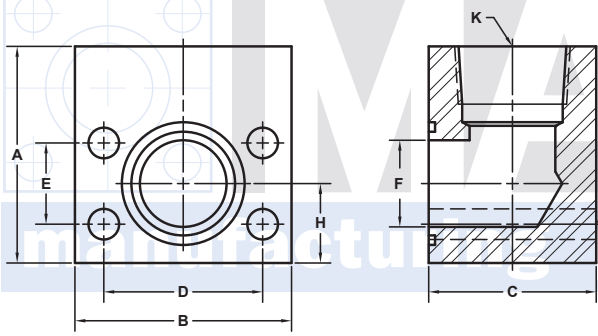
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6161-32-20D	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	1 1/4	MK 558	1/2-13 x 4	228	11.3
		6162-32-20D							1/2-13			---	---	---	
2	1½	6161-32-24D	4.50	4.00	2.96	3.062	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			---	---	---	
2½②	1½	6161-40-24D	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
		6162-40-24D							1/2-13			---	---	---	
2½②	2	6161-40-32D	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
		6162-40-32D							1/2-13			---	---	---	
2½②	2½	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	17.5
		6162-40-40D							1/2-13			---	---	---	
3③	2	6161-48-32D	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
		6162-48-32D							5/8-11			---	---	---	
3③	2½	6161-48-40D	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
		6162-48-40D							5/8-11			---	---	---	
3③	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			---	---	---	
3½④	3	6161-56-48D	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
		6162-56-48D							5/8-11			---	---	---	
3½④	3½	6161-56-56D	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
		6162-56-56D							5/8-11			---	---	---	

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

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

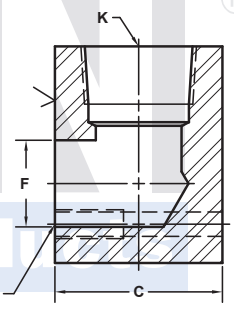
MATERIAL:
316L Stainless

O-Ring Style

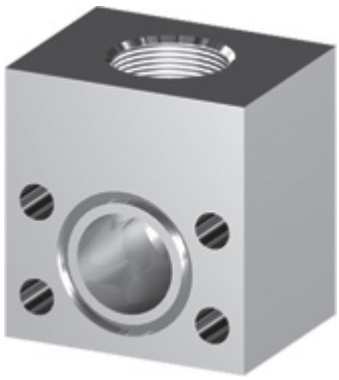


Model 6161 / 6163

Companion Style (Flat Face)



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 / J	H	K NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6163-24-20D	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
		6164-24-20D							5/8-11			---	---	---	
1½	1½	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	11.9
		6164-24-24D							5/8-11			---	---	---	
1½	2	6163-24-32D	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
		6164-24-32D							5/8-11			---	---	---	
2	1½	6163-32-24D	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
		6164-32-24D							3/4-10			---	---	---	
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			---	---	---	
2½	2	6163-40-32D	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
		6164-40-32D							7/8-9			---	---	---	
2½	2½	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	63.7
		6164-48-48D							1 1/8-7			---	---	---	

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

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NPTF THREADED BRANCH TEE FLANGES

SAE BOLT PATTERN — 61 SERIES

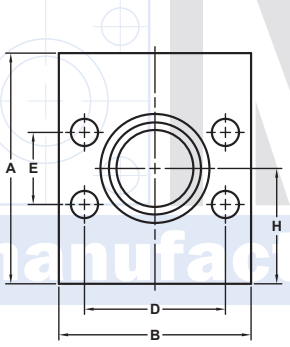
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6153-08-08D	2.50	2.12	1.44	1.500	.688	.50	.34	1.25	1/2	MK 541	5/16-18 x 2	210	1.8
		6154-08-08D							5/16-18			---	---	---	
¾	¾	6153-12-12D	3.00	2.62	1.70	1.875	.875	.75	.41	1.50	3/4	MK 542	3/8-16 x 2 1/2	214	3.0
		6154-12-12D							3/8-16			---	---	---	
1	¾	6153-16-12D	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
		6154-16-12D							3/8-16			---	---	---	
1	1	6153-16-16D	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
		6154-16-16D							3/8-16			---	---	---	
1¼	¾	6153-20-12D	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
		6154-20-12D							7/16-14			---	---	---	
1¼	1	6153-20-16D	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
		6154-20-16D							7/16-14			---	---	---	
1¼	1¼	6153-20-20D	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
		6154-20-20D							7/16-14			---	---	---	
1½	1¼	6153-24-20D	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
		6154-24-20D							1/2-13			---	---	---	
1½	1½	6153-24-24D	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
		6154-24-24D							1/2-13			---	---	---	
2	1½	6153-32-24D	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
		6154-32-24D							1/2-13			---	---	---	
2	2	6153-32-32D	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
		6154-32-32D							1/2-13			---	---	---	

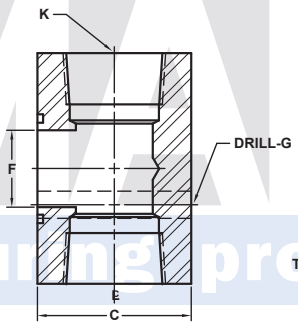
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



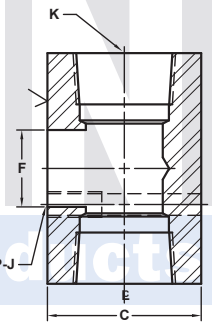
O-Ring Style





Model 6153 / 6155

Companion Style
(Flat Face)



Model 6154 / 6156

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manufacturing products

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 NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6155-08-08D	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
		6156-08-08D							5/16-18			---	---	---	
¾	¾	6155-12-12D	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
		6156-12-12D							3/8-16			---	---	---	
1	1	6155-16-16D	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
		6156-16-16D							7/16-14			---	---	---	
1¼	1¼	6155-20-20D	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
		6156-20-20D							1/2-13			---	---	---	
1½	1½	6155-24-24D	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
		6156-24-24D							5/8-11			---	---	---	
1½	2	6155-24-32D	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
		6156-24-32D							5/8-11			---	---	---	
2	1½	6155-32-24D	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
		6156-32-24D							3/4-10			---	---	---	
2	2	6155-32-32D	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
		6156-32-32D							3/4-10			---	---	---	

① Order Separately

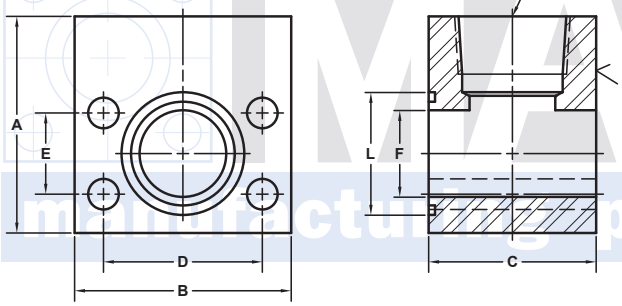
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NPTF THREADED RUN TEE FLANGES

SAE BOLT PATTERN									61 SERIES			
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ①	WT
½	½	6197-08-08D 6198-08-08D	2.00	2.12	1.44	1.500	.688	.50	1/2	1.000 ---	210 ---	1.3
½	¾	6197-08-12D 6198-08-12D	2.75	2.12	1.75	1.500	.688	.50	3/4	1.000 ---	210 ---	2.4
¾	½	6197-12-08D 6198-12-08D	2.50	2.62	1.70	1.875	.875	.75	1/2	1.250 ---	214 ---	2.6
¾	¾	6197-12-12D 6198-12-12D	2.50	2.62	1.70	1.875	.875	.75	3/4	1.250 ---	214 ---	2.5
1	¾	6197-16-12D 6198-16-12D	3.00	2.82	1.94	2.062	1.031	1.00	3/4	1.562 ---	219 ---	3.7
1	1	6197-16-16D 6198-16-16D	3.00	2.82	1.94	2.062	1.031	1.00	1	1.562 ---	219 ---	3.5
1¼	1¼	6197-20-20D 6198-20-20D	3.50	3.19	2.40	2.312	1.188	1.25	1 1/4	1.750 ---	222 ---	5.3
1½	1½	6197-24-24D 6198-24-24D	4.00	3.75	2.90	2.750	1.406	1.50	1 1/2	2.125 ---	225 ---	9.5
2	2	6197-32-32D 6198-32-32D	4.50	4.00	2.96	3.062	1.688	1.94	2	2.500 ---	228 ---	10.0
2½ ②	2½	6197-40-40D 6198-40-40D	5.00	4.50	3.96	3.500	2.000	2.44	2 1/2	3.000 ---	232 ---	18.0
3 ③	3	6197-48-48D 6198-48-48D	6.00	5.31	4.46	4.188	2.438	2.94	3	3.625 ---	237 ---	27.0

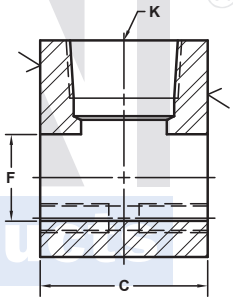
MATERIAL:
316L Stainless

O-Ring Style

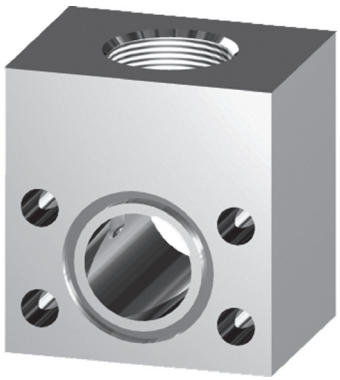


Model 6197 / 6199

Companion Style
(Flat Face)



Model 6198 / 6200



MAIN
manufacturing products

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
½	½	6199-08-08D 6200-08-08D	2.00	2.22	1.46	1.594	.718	.50	1/2	1.000 ---	210 ---	1.5
¾	¾	6199-12-12D 6200-12-12D	2.50	2.81	1.70	2.000	.937	.75	3/4	1.250 ---	214 ---	2.7
1	1	6199-16-16D 6200-16-16D	3.00	3.19	1.96	2.250	1.093	1.00	1	1.562 ---	219 ---	4.2
1¼	1¼	6199-20-20D 6200-20-20D	4.00	3.75	2.44	2.625	1.250	1.25	1 1/4	1.750 ---	222 ---	6.5
1½	1½	6199-24-24D 6200-24-24D	4.00	4.50	2.96	3.125	1.437	1.50	1 1/2	2.125 ---	225 ---	11.7
2	2	6199-32-32D 6200-32-32D	5.00	5.25	3.46	3.812	1.750	1.94	2	2.500 ---	228 ---	20.0
2½	2½	6199-40-40D 6200-40-40D	6.00	6.88	4.00	4.875	2.312	2.44	2 1/2	3.000 ---	232 ---	34.6
3	3	6199-48-48D 6200-48-48D	7.00	8.50	5.00	6.000	2.812	2.94	3	3.625 ---	237 ---	62.1

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

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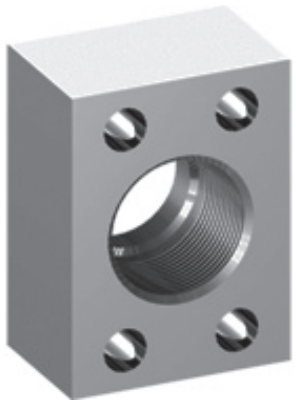
BSPT THREADED IN-LINE FLANGES

SAE BOLT PATTERN — 61 SERIES

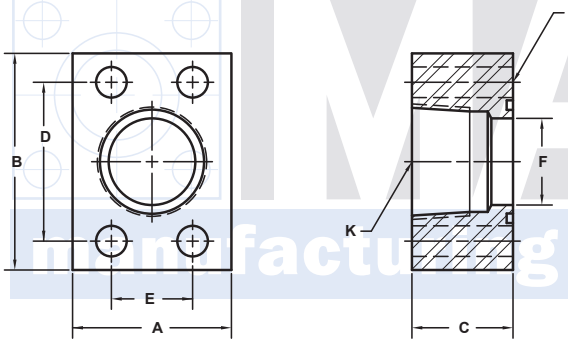
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K BSPT	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6355-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34		1/2	MK 519	5/16-18 x 1 3/4	210	.8
		6356-08-08D							5/16-18			---	---	---	
¾	¾	6355-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41		3/4	MK 520	3/8-16 x 2	214	1.2
		6356-12-12D							3/8-16			---	---	---	
1	1	6355-16-16D	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
		6356-16-16D							3/8-16			---	---	---	
1¼	1¼	6355-20-20D	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
		6356-20-20D							7/16-14			---	---	---	
1½	1½	6355-24-24D	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
		6356-24-24D							1/2-13			---	---	---	
2	1½	6355-32-24D	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
		6356-32-24D							1/2-13			---	---	---	
2	2	6355-32-32D	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
		6356-32-32D							1/2-13			---	---	---	
2½②	2½	6355-40-40D	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
		6356-40-40D							1/2-13			---	---	---	
3③	3	6355-48-48D	4.50	5.50	2.25	4.188	2.438	2.94	.66		3	MK 1516	5/8-11 x 3 1/2	237	9.8
		6356-48-48D							5/8-11			---	---	---	
3½④	3½	6355-56-56D	5.00	6.00	2.25	4.750	2.750	3.44	.66		3 1/2	MK 2576	5/8-11 x 3 1/2	241	11.0
		6356-56-56D							5/8-11			---	---	---	
4④	4	6355-64-64D	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
		6356-64-64D							5/8-11			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

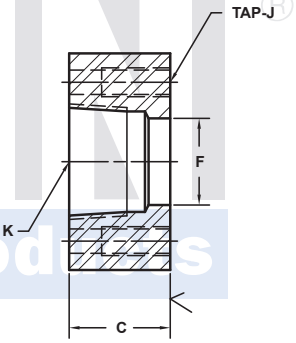


O-Ring Style



Model 6355 / 6357

Companion Style
(Flat Face)



Model 6356 / 6358

MAIN® manufacturing products

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 BSPT	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6357-08-08D	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
		6358-08-08D							5/16-18			---	---	---	
¾	¾	6357-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41		3/4	MK 520	3/8-16 x 2	214	1.5
		6358-12-12D							3/8-16			---	---	---	
1	1	6357-16-16D	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
		6358-16-16D							7/16-14			---	---	---	
1¼	1¼	6357-20-20D	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
		6358-20-20D							1/2-13			---	---	---	
1½	1½	6357-24-24D	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
		6358-24-24D							5/8-11			---	---	---	
2	2	6357-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78		2	MK 516	3/4-10 x 3	228	7.8
		6358-32-32D							3/4-10			---	---	---	
2½	2½	6357-40-40D	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
		6358-40-40D							7/8-9			---	---	---	
3	3	6357-48-48D	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
		6358-48-48D							1 1/8-7			---	---	---	

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

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BSPT THREADED ELBOW FLANGES

SAE BOLT PATTERN — 61 SERIES

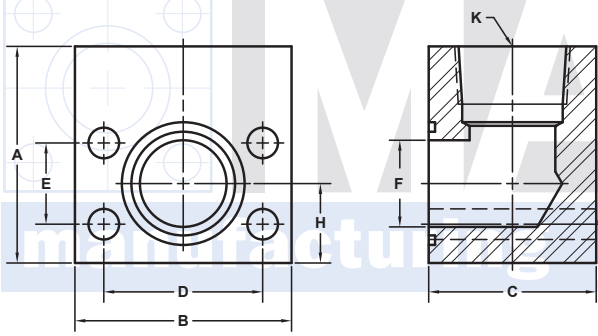
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K BSPT	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6363-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2	MK 541	5/16-18 x 2	210	1.5
		6364-08-08D							5/16-18			---	---	---	
¾	¾	6363-12-12D	2.50	2.62	1.70	1.875	.875	.75	.41	.88	3/4	MK 542	3/8-16 x 2 1/2	214	2.6
		6364-12-12D							3/8-16			---	---	---	
1	1	6363-16-16D	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
		6364-16-16D							3/8-16			---	---	---	
1¼	1	6363-20-16D	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
		6364-20-16D							7/16-14			---	---	---	
1¼	1¼	6363-20-20D	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	6.0
		6364-20-20D							7/16-14			---	---	---	
1½	1¼	6363-24-20D	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
		6364-24-20D							1/2-13			---	---	---	
1½	1½	6363-24-24D	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	9.5
		6364-24-24D							1/2-13			---	---	---	
2	1½	6363-32-24D	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
		6364-32-24D							1/2-13			---	---	---	
2	2	6363-32-32D	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	2	MK 558	1/2-13 x 4	228	10.5
		6364-32-32D							1/2-13			---	---	---	
2½②	2½	6363-40-40D	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	17.5
		6364-40-40D							1/2-13			---	---	---	
3③	3	6363-48-48D	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	26.5
		6364-48-48D							5/8-11			---	---	---	

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

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

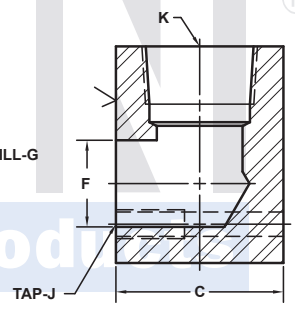
MATERIAL:
316L Stainless

O-Ring Style

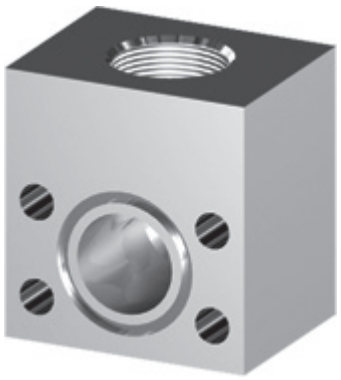


Model 6363 / 6365

Companion Style (Flat Face)



Model 6364 / 6366



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SAE BOLT PATTERN — 62 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K BSPT	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6365-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	1/2	MK 541	5/16-18 x 2	210	1.6
		6366-08-08D							5/16-18			---	---	---	
¾	¾	6365-12-12D	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
		6366-12-12D							3/8-16			---	---	---	
1	1	6365-16-16D	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
		6366-16-16D							7/16-14			---	---	---	
1¼	1¼	6365-20-20D	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	8.2
		6366-20-20D							1/2-13			---	---	---	
1½	1½	6365-24-24D	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	12.0
		6366-24-24D							5/8-11			---	---	---	
2	2	6365-32-32D	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	20.0
		6366-32-32D							3/4-10			---	---	---	
2½	2½	6365-40-40D	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
		6366-40-40D							7/8-9			---	---	---	
3	3	6365-48-48D	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	64.0
		6366-48-48D							1 1/8-7			---	---	---	

① Order Separately ② 2500 PSI Max ③ 2000 PSI Max

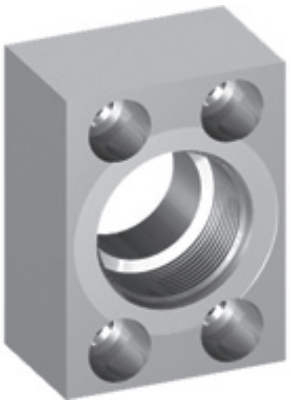
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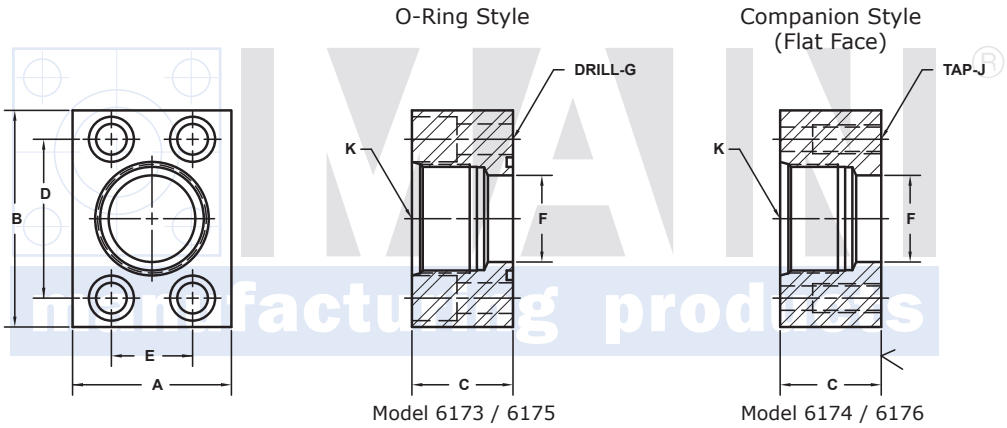
SAE J1926 THREADED IN-LINE FLANGES (Pg 1/2)

SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J		K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	-4	6173-08-04D	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
		6174-08-04D							5/16-18			---	---	---	
½	-6	6173-08-06D	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
		6174-08-06D							5/16-18			---	---	---	
½	-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			---	---	---	
¾	-8	6173-12-08D	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
		6174-12-08D							3/8-16			---	---	---	
¾	-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	1.5
		6174-12-10D							3/8-16			---	---	---	
¾	-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			---	---	---	
¾	-16	----------	2.00	2.62	2.50	1.875	.875	.75	----		1 5/16-12	---	---	---	3.0
		6174-12-16D							3/8-16			---	---	---	
1	-12	6173-16-12D	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
		6174-16-12D							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	1.8
		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	-20	----------	2.50	3.00	3.00	2.062	1.031	1.00	----		1 5/8-12	---	---	---	5.2
		6174-16-20D							3/8-16			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.





MAIN manufacturing products

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SAE BOLT PATTERN 62 SERIES															
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J		K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	-6	6175-08-06D	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
		6176-08-06D							5/16-18			---	---	---	
½	-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	-8	6175-12-08D	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
		6176-12-08D							3/8-16			---	---	---	
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	1.9
		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	-12	6175-16-12D	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
		6176-16-12D							7/16-14			---	---	---	
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	2.4
		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			---	---	---	

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.

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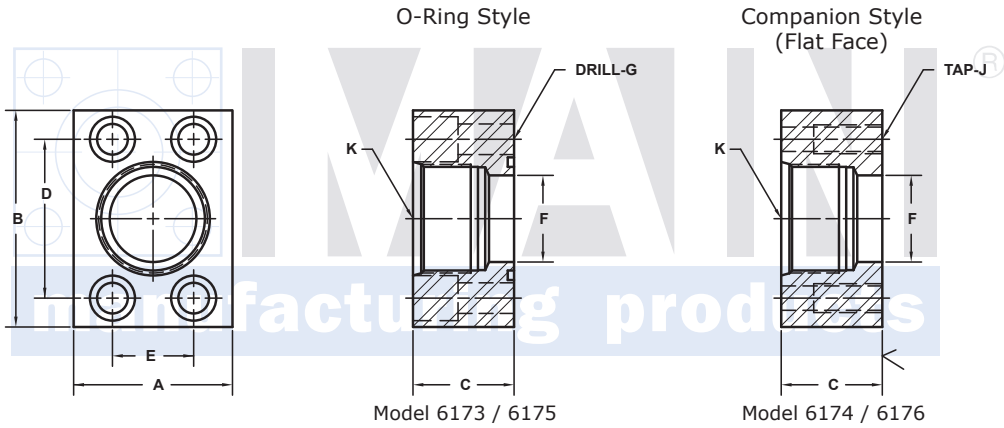
SAE J1926 THREADED IN-LINE FLANGES (Pg 2/2)

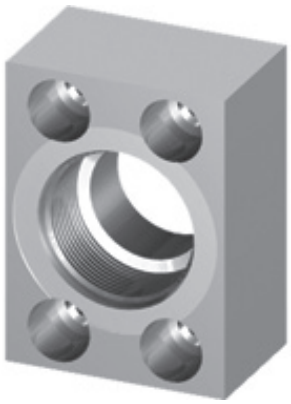
SAE BOLT PATTERN											61 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G J		K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1¼	-16	6173-20-16D 6174-20-16D	2.50	3.19	1.50	2.312	1.188	1.20	.47 7/16-14		1 5/16-12	MK 1527 ---	7/16-14 x 1 1/2 ---	222 ---	2.6
1¼	-20	6173-20-20D 6174-20-20D	2.50	3.19	1.50	2.312	1.188	1.25	.47 7/16-14		1 5/8-12	MK 1527 ---	7/16-14 x 1 1/2 ---	222 ---	2.3
1¼	-24	--- 6174-20-24D	3.00	3.19	3.00	2.312	1.188	1.25	--- 7/16-14		1 7/8-12	--- ---	--- ---	--- ---	6.4
1½	-20	6173-24-20D 6174-24-20D	2.75	3.75	1.75	2.750	1.406	1.50	.53 1/2-13		1 5/8-12	MK 1547 ---	1/2-13 x 1 3/4 ---	225 ---	3.8
1½	-24	6173-24-24D 6174-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	.53 1/2-13		1 7/8-12	MK 1547 ---	1/2-13 x 1 3/4 ---	225 ---	3.5
1½	-32	--- 6174-24-32D	3.50	3.75	3.50	2.750	1.406	1.50	--- 1/2-13		2 1/2-12	--- ---	--- ---	--- ---	9.9
2	-20	6173-32-20D 6174-32-20D	3.25	4.00	1.75	3.062	1.688	1.50	.53 1/2-13		1 5/8-12	MK 582 ---	1/2-13 x 1 3/4 ---	228 ---	5.2
2	-24	6173-32-24D 6174-32-24D	3.25	4.00	1.75	3.062	1.688	1.75	.53 1/2-13		1 7/8-12	MK 582 ---	1/2-13 x 1 3/4 ---	228 ---	4.8
2	-32	--- 6174-32-32D	3.25	4.00	1.75	3.062	1.688	1.94	--- 1/2-13		2 1/2-12	--- ---	--- ---	--- ---	3.9
2½②	-24	6173-40-24D 6174-40-24D	4.00	4.50	1.75	3.500	2.000	1.75	.53 1/2-13		1 7/8-12	MK 1528 ---	1/2-13 x 1 3/4 ---	232 ---	7.4
2½②	-32	6173-40-32D 6174-40-32D	4.00	4.50	1.75	3.500	2.000	2.32	.53 1/2-13		2 1/2-12	MK 1528 ---	1/2-13 x 1 3/4 ---	232 ---	6.3

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

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

MATERIAL:
316L Stainless





MAIN
Manufacturing products

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SAE BOLT PATTERN											62 SERIES				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G J		K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1¼	-16	6175-20-16D 6176-20-16D	2.75	3.75	1.50	2.625	1.250	1.20	.53 1/2-13		1 5/16-12	MK 1523 ---	1/2-13 x 1 1/2 ---	222 ---	4.0
1¼	-20	6175-20-20D 6176-20-20D	2.75	3.75	1.50	2.625	1.250	1.25	.53 1/2-13		1 5/8-12	MK 1523 ---	1/2-13 x 1 1/2 ---	222 ---	3.7
1½	-16	6175-24-16D 6176-24-16D	3.25	4.50	1.75	3.125	1.437	1.20	.66 5/8-11		1 5/16-12	MK 1544 ---	5/8-11 x 1 3/4 ---	225 ---	6.1
1½	-20	6175-24-20D 6176-24-20D	3.25	4.50	1.75	3.125	1.437	1.50	.66 5/8-11		1 5/8-12	MK 1544 ---	5/8-11 x 1 3/4 ---	225 ---	5.8
1½	-24	6175-24-24D 6176-24-24D	3.25	4.50	1.75	3.125	1.437	1.50	.66 5/8-11		1 7/8-12	MK 1544 ---	5/8-11 x 1 3/4 ---	225 ---	5.5
2	-20	6175-32-20D 6176-32-20D	4.00	5.25	1.75	3.812	1.750	1.50	.78 3/4-10		1 5/8-12	MK 563 ---	3/4-10 x 2 ---	228 ---	8.8
2	-24	6175-32-24D 6176-32-24D	4.00	5.25	1.75	3.812	1.750	1.75	.78 3/4-10		1 7/8-12	MK 563 ---	3/4-10 x 2 ---	228 ---	8.4
2	-32	6175-32-32D 6176-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78 3/4-10		2 1/2-12	MK 563 ---	3/4-10 x 2 ---	228 ---	7.5

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.

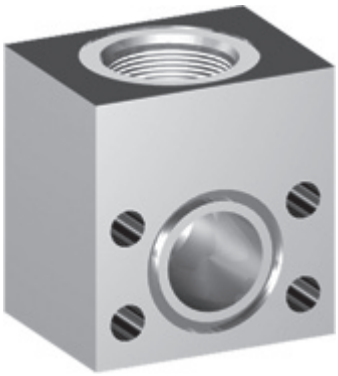
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SAE J1926 THREADED ELBOW FLANGES (Pg 1/2)

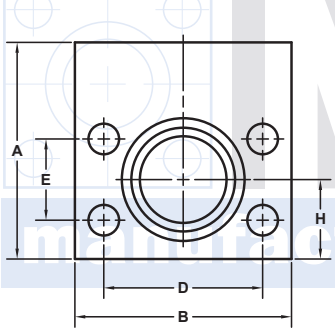
SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	-4	6177-08-04D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	7/16-20	MK 541	5/16-18 x 2	210	1.6
		6178-08-04D							5/16-18			---	---	---	
½	-6	6177-08-06D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	9/16-18	MK 541	5/16-18 x 2	210	1.5
		6178-08-06D							5/16-18			---	---	---	
½	-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			---	---	---	
¾	-8	6177-12-08D	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
		6178-12-08D							3/8-16			---	---	---	
¾	-10	6177-12-10D	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
		6178-12-10D							3/8-16			---	---	---	
¾	-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			---	---	---	
¾	-16	6177-12-16D	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
		6178-12-16D							3/8-16			---	---	---	
1	-12	6177-16-12D	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
		6178-16-12D							3/8-16			---	---	---	
1	-14	6177-16-14D	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
		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	-20	6177-16-20D	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
		6178-16-20D							3/8-16			---	---	---	

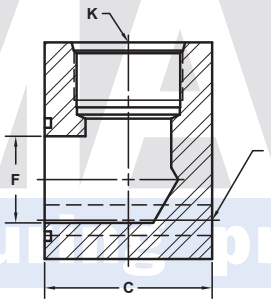
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



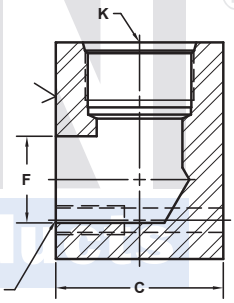
O-Ring Style





Model 6177 / 6179

Companion Style
(Flat Face)



Model 6178 / 6180

MAIN® manufacturing products

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	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	-6	6179-08-06D	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
		6180-08-06D							5/16-18			---	---	---	
½	-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	-8	6179-12-08D	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	3/4-16	MK 542	3/8-16 x 2 1/2	214	3.1
		6180-12-08D							3/8-16			---	---	---	
¾	-10	6179-12-10D	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
		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	-12	6179-16-12D	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 3/4	219	4.6
		6180-16-12D							7/16-14			---	---	---	
1	-14	6179-16-14D	3.00	3.19	1.96	2.250	1.093	1.00	.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			---	---	---	

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.

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SAE J1926 THREADED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN — 61 SERIES

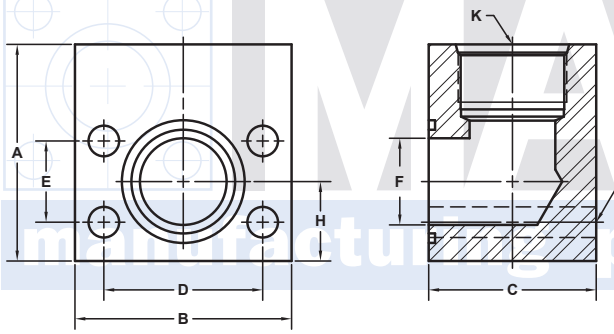
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1¼	-16	6177-20-16D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	1 5/16-12	MK 578	7/16-14 x 3 1/4	222	6.3
		6178-20-16D							7/16-14			---	---	---	
1¼	-20	6177-20-20D	3.50	3.19	2.40	2.312	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			---	---	---	
1¼	-24	6177-20-24D	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
		6178-20-24D							7/16-14			---	---	---	
1½	-16	6177-24-16D	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
		6178-24-16D							1/2-13			---	---	---	
1½	-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			---	---	---	
1½	-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			---	---	---	
1½	-32	6177-24-32D	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
		6178-24-32D							1/2-13			---	---	---	
2	-16	6177-32-16D	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
		6178-32-16D							1/2-13			---	---	---	
2	-20	6177-32-20D	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
		6178-32-20D							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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

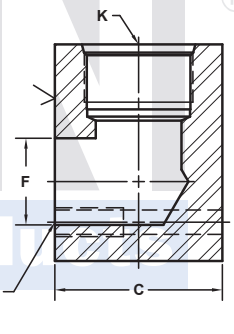
MATERIAL:
316L Stainless

O-Ring Style



Model 6177 / 6179

Companion Style (Flat Face)



Model 6178 / 6180



MAIN® manufacturing products

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	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1¼	-16	6179-20-16D	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
		6180-20-16D							1/2-13			---	---	---	
1¼	-20	6179-20-20D	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
		6180-20-20D							1/2-13			---	---	---	
1½	-16	6179-24-16D	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
		6180-24-16D							5/8-11			---	---	---	
1½	-20	6179-24-20D	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
		6180-24-20D							5/8-11			---	---	---	
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	-20	6179-32-20D	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
		6180-32-20D							3/4-10			---	---	---	
2	-24	6179-32-24D	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
		6180-32-24D							3/4-10			---	---	---	
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.

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SAE J1926 THREADED BRANCH TEE FLANGES

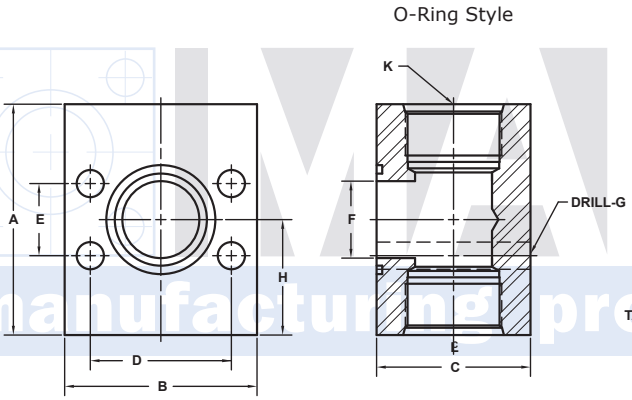
SAE BOLT PATTERN — 61 SERIES

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6157-08-08D	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
		6158-08-08D							5/16-18			---	---	---	
¾	-10	6157-12-10D	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
		6158-12-10D							3/8-16			---	---	---	
¾	-12	6157-12-12D	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
		6158-12-12D							3/8-16			---	---	---	
1	-14	6157-16-14D	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
		6158-16-14D							3/8-16			---	---	---	
1	-16	6157-16-16D	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
		6158-16-16D							3/8-16			---	---	---	
1¼	-20	6157-20-20D	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
		6158-20-20D							7/16-14			---	---	---	
1½	-20	6157-24-20D	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
		6158-24-20D							1/2-13			---	---	---	
1½	-24	6157-24-24D	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
		6158-24-24D							1/2-13			---	---	---	
2	-20	6157-32-20D	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
		6158-32-20D							1/2-13			---	---	---	
2	-24	6157-32-24D	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
		6158-32-24D							1/2-13			---	---	---	
2	-32	6157-32-32D	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
		6158-32-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.





Model 6157 / 6159 Model 6158 / 6160

MAIN ®
manufacturing products

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	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6159-08-08D	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
		6160-08-08D							5/16-18			---	---	---	
¾	-10	6159-12-10D	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
		6160-12-10D							3/8-16			---	---	---	
¾	-12	6159-12-12D	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
		6160-12-12D							3/8-16			---	---	---	
1	-14	6159-16-14D	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
		6160-16-14D							7/16-14			---	---	---	
1	-16	6159-16-16D	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
		6160-16-16D							7/16-14			---	---	---	
1¼	-20	6159-20-20D	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
		6160-20-20D							1/2-13			---	---	---	
1½	-24	6159-24-24D	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
		6160-24-24D							5/8-11			---	---	---	
2	-32	6159-32-32D	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
		6160-32-32D							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.

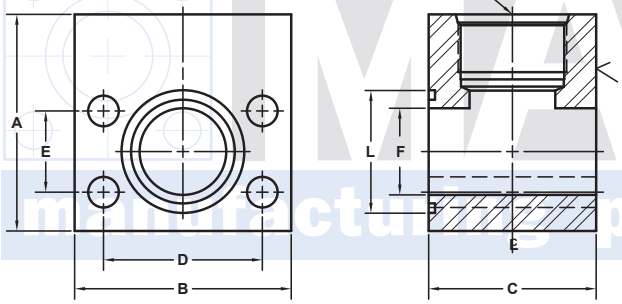
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SAE J1926 THREADED RUN TEE FLANGES

SAE BOLT PATTERN									61 SERIES			
FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ①	WT
½	-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								---	---	
½	-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								---	---	
¾	-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								---	---	
¾	-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								---	---	
¾	-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								---	---	
1¼	-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								---	---	
1½	-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								---	---	

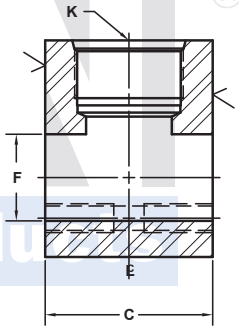
MATERIAL:
316L Stainless

O-Ring Style



Model 6201 / 6203

Companion Style
(Flat Face)



Model 6202 / 6204



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
½	-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								---	---	
¾	-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								---	---	
¾	-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								---	---	
1¼	-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								---	---	
1½	-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.

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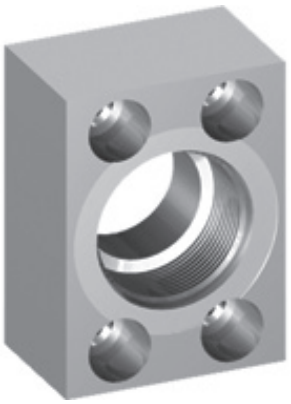
BSPP THREADED IN-LINE FLANGES

SAE BOLT PATTERN — 61 SERIES

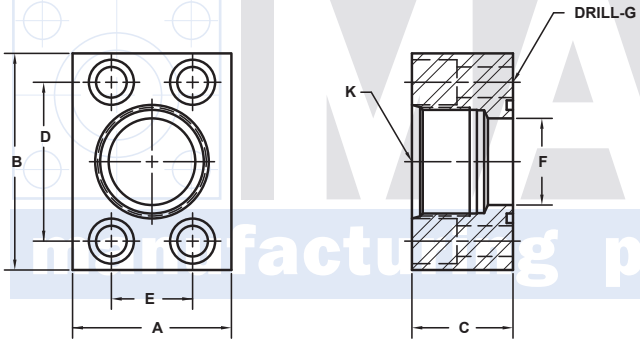
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6351-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34		1/2-14	MK 501	5/16-18 x 1 1/4	210	.8
		6352-08-08D							5/16-18			---	---	---	
¾	-8	6351-12-08D	1.75	2.62	1.50	1.875	.875	.74	.41		1/2-14	MK 1525	3/8-16 x 1 1/2	214	1.4
		6352-12-08D							3/8-16			---	---	---	
¾	-12	6351-12-12D	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
		6352-12-12D							3/8-16			---	---	---	
1	-12	6351-16-12D	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
		6352-16-12D							3/8-16			---	---	---	
1	-16	6351-16-16D	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
		6352-16-16D							3/8-16			---	---	---	
1¼	-20	6351-20-20D	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
		6352-20-20D							7/16-14			---	---	---	
1½	-20	6351-24-20D	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
		6352-24-20D							1/2-13			---	---	---	
1½	-24	6351-24-24D	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
		6352-24-24D							1/2-13			---	---	---	
2	-24	6351-32-24D	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
		6352-32-24D							1/2-13			---	---	---	
2	-32	6351-32-32D	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
		6352-32-32D							1/2-13			---	---	---	
2½②	-32	6351-40-32D	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
		6352-40-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

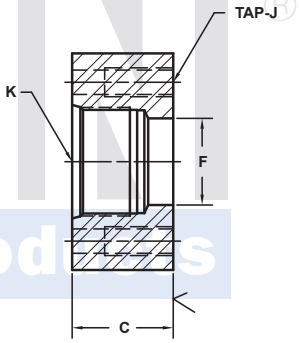


O-Ring Style



Model 6351 / 6353

Companion Style
(Flat Face)



Model 6352 / 6354

MAIN manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6353-08-08D	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
		6354-08-08D							5/16-18			---	---	---	
¾	-8	6353-12-08D	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
		6354-12-08D							3/8-16			---	---	---	
¾	-12	6353-12-12D	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
		6354-12-12D							3/8-16			---	---	---	
1	-12	6353-16-12D	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
		6354-16-12D							7/16-14			---	---	---	
1	-16	6353-16-16D	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
		6354-16-16D							7/16-14			---	---	---	
1¼	-20	6353-20-20D	2.75	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
		6354-20-20D							1/2-13			---	---	---	
1½	-24	6353-24-24D	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
		6354-24-24D							5/8-11			---	---	---	
2	-32	6353-32-32D	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
		6354-32-32D							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.

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BSPP THREADED ELBOW FLANGES

SAE BOLT PATTERN — 61 SERIES

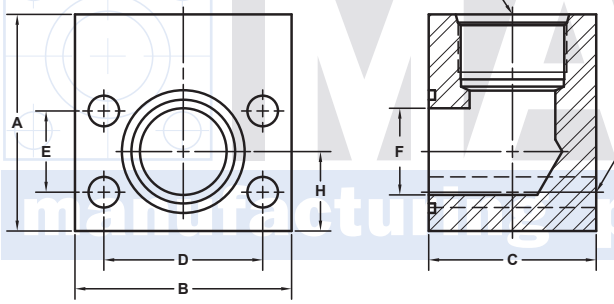
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6359-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	1/2-14	MK 541	5/16-18 x 2	210	1.5
		6360-08-08D							5/16-18			---	---	---	
¾	-8	6359-12-08D	2.50	2.62	1.70	1.875	.875	.50	.41	.88	1/2-14	MK 542	3/8-16 x 2 1/2	214	2.7
		6360-12-08D							3/8-16			---	---	---	
¾	-12	6359-12-12D	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
		6360-12-12D							3/8-16			---	---	---	
1	-12	6359-16-12D	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
		6360-16-12D							3/8-16			---	---	---	
1	-16	6359-16-16D	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
		6360-16-16D							3/8-16			---	---	---	
1¼	-20	6359-20-20D	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
		6360-20-20D							7/16-14			---	---	---	
1½	-20	6359-24-20D	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
		6360-24-20D							1/2-13			---	---	---	
1½	-24	6359-24-24D	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
		6360-24-24D							1/2-13			---	---	---	
2	-20	6359-32-20D	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
		6360-32-20D							1/2-13			---	---	---	
2	-24	6359-32-24D	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
		6360-32-24D							1/2-13			---	---	---	
2	-32	6359-32-32D	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
		6360-32-32D							1/2-13			---	---	---	

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

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

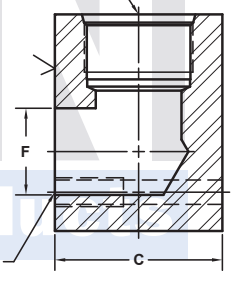
MATERIAL:
316L Stainless

O-Ring Style



Model 6359 / 6361

Companion Style (Flat Face)



Model 6360 / 6362



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	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-8	6361-08-08D	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
		6362-08-08D							5/16-18			---	---	---	
¾	-8	6361-12-08D	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
		6362-12-08D							3/8-16			---	---	---	
¾	-12	6361-12-12D	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
		6362-12-12D							3/8-16			---	---	---	
1	-12	6361-16-12D	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
		6362-16-12D							7/16-14			---	---	---	
1	-16	6361-16-16D	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
		6362-16-16D							7/16-14			---	---	---	
1¼	-20	6361-20-20D	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
		6362-20-20D							1/2-13			---	---	---	
1½	-24	6361-24-24D	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
		6362-24-24D							5/8-11			---	---	---	
2	-32	6361-32-32D	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
		6362-32-32D							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.

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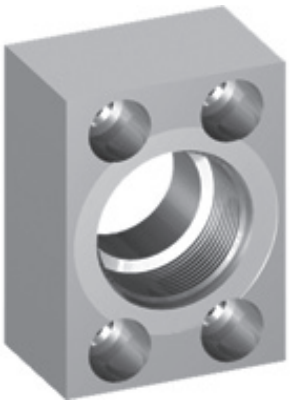
ISO 6149 THREADED IN-LINE FLANGES

SAE BOLT PATTERN — 61 SERIES

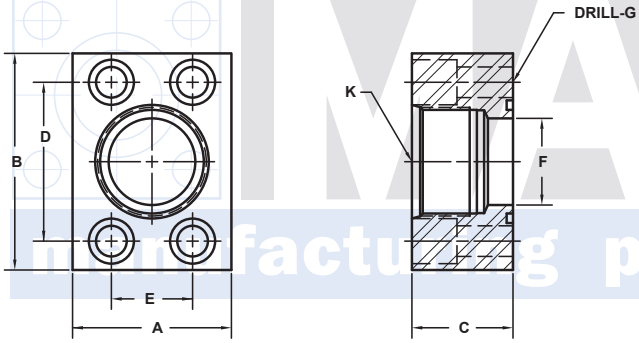
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6601-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34		M18 x 1.5	MK 501	5/16-18 x 1 1/4	210	.9
		6602-08-08D							5/16-18			---------	---------	---	
¾	-10	6601-12-10D	1.75	2.62	1.50	1.875	.875	.50	.41		M22 x 1.5	MK 1525	3/8-16 x 1 1/2	214	1.3
		6602-12-10D							3/8-16			---------	---------	---	
¾	-12	6601-12-12D	1.75	2.62	1.50	1.875	.875	.75	.41		M27 x 2	MK 1525	3/8-16 x 1 1/2	214	1.4
		6602-12-12D							3/8-16			---------	---------	---	
1	-12	6601-16-12D	2.00	2.82	1.50	2.062	1.031	.94	.41		M27 x 2	MK 1542	3/8-16 x 1 1/2	219	1.6
		6602-16-12D							3/8-16			---------	---------	---	
1	-16	6601-16-16D	2.00	2.82	1.50	2.062	1.031	1.00	.41		M33 x 2	MK 1542	3/8-16 x 1 1/2	219	1.7
		6602-16-16D							3/8-16			---------	---------	---	
1¼	-20	6601-20-20D	2.50	3.19	1.50	2.312	1.188	1.25	.47		M42 x 2	MK 1527	7/16-14 x 1 1/2	222	2.3
		6602-20-20D							7/16-14			---------	---------	---	
1½	-20	6601-24-20D	2.75	3.75	1.75	2.750	1.406	1.50	.53		M42 x 2	MK 1547	1/2-13 x 1 3/4	225	3.5
		6602-24-20D							1/2-13			---------	---------	---	
1½	-24	6601-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	.53		M48 x 2	MK 1547	1/2-13 x 1 3/4	225	3.5
		6602-24-24D							1/2-13			---------	---------	---	
2	-24	6601-32-24D	3.25	4.00	1.75	3.062	1.688	1.77	.53		M48 x 2	MK 582	1/2-13 x 1 3/4	228	4.8
		6602-32-24D							1/2-13			---------	---------	---	
2	-32	6601-32-32D	3.25	4.00	1.75	3.062	1.688	1.94	.53		M60 x 2	MK 582	1/2-13 x 1 3/4	228	3.9
		6602-32-32D							1/2-13			---------	---------	---	
2½②	-32	6601-40-32D	4.00	4.50	1.75	3.500	2.000	2.12	.53		M60 x 2	MK 1528	1/2-13 x 1 3/4	232	6.3
		6602-40-32D							1/2-13			---------	---------	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

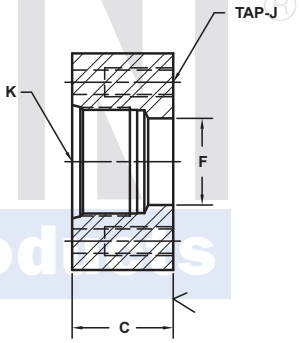


O-Ring Style



Model 6601 / 6603

Companion Style
(Flat Face)



Model 6602 / 6604

MAIN manufacturing products

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 KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6603-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34		M18 x 1.5	MK 501	5/16-18 x 1 1/4	210	1.1
		6604-08-08D							5/16-18			---------	---------	---	
¾	-10	6603-12-10D	2.00	2.81	1.50	2.000	.937	.50	.41		M22 x 1.5	MK 1525	3/8-16 x 1 1/2	214	2.0
		6604-12-10D							3/8-16			---------	---------	---	
¾	-12	6603-12-12D	2.00	2.81	1.50	2.000	.937	.75	.41		M27 x 2	MK 1525	3/8-16 x 1 1/2	214	1.8
		6604-12-12D							3/8-16			---------	---------	---	
1	-12	6603-16-12D	2.25	3.19	1.50	2.250	1.093	.94	.47		M27 x 2	MK 1529	7/16-14 x 1 1/2	219	2.3
		6604-16-12D							7/16-14			---------	---------	---	
1	-16	6603-16-16D	2.25	3.19	1.50	2.250	1.093	1.00	.47		M33 x 2	MK 1529	7/16-14 x 1 1/2	219	2.3
		6604-16-16D							7/16-14			---------	---------	---	
1¼	-20	6603-20-20D	2.75	3.75	1.50	2.625	1.250	1.25	.53		M42 x 2	MK 1523	1/2-13 x 1 1/2	222	3.7
		6604-20-20D							1/2-13			---------	---------	---	
1½	-24	6603-24-24D	3.25	4.50	1.75	3.125	1.437	1.50	.66		M48 x 2	MK 1544	5/8-11 x 1 3/4	225	5.5
		6604-24-24D							5/8-11			---------	---------	---	
2	-32	6603-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78		M60 x 2	MK 563	3/4-10 x 2	228	7.5
		6604-32-32D							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.

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ISO 6149 THREADED ELBOW FLANGES

SAE BOLT PATTERN — 61 SERIES

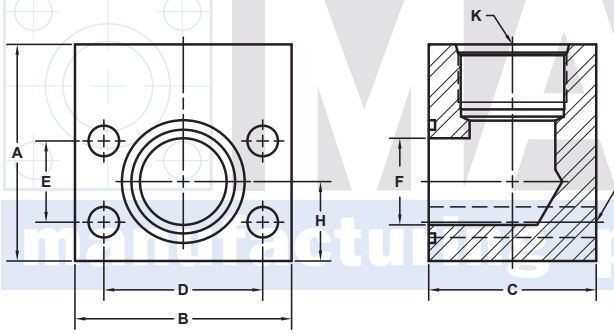
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6605-08-08D	2.00	2.12	1.44	1.500	.688	.50	.34	.75	M18 x 1.5	MK 541	5/16-18 x 2	210	1.5
		6606-08-08D							5/16-18			---	---	---	
¾	-10	6605-12-10D	2.50	2.62	1.70	1.875	.875	.50	.41	.88	M22x 1.5	MK 542	3/8-16 x 2 1/2	214	2.6
		6606-12-10D							3/8-16			---	---	---	
¾	-12	6605-12-12D	2.50	2.62	1.70	1.875	.875	.75	.41	.88	M27 x 2	MK 542	3/8-16 x 2 1/2	214	2.5
		6606-12-12D							3/8-16			---	---	---	
1	-12	6605-16-12D	3.00	2.82	1.94	2.062	1.031	.75	.41	1.00	M27 x 2	MK 543	3/8-16 x 2 3/4	219	3.9
		6606-16-12D							3/8-16			---	---	---	
1	-16	6605-16-16D	3.00	2.82	1.94	2.062	1.031	1.00	.41	1.00	M33 x 2	MK 543	3/8-16 x 2 3/4	219	3.7
		6606-16-16D							3/8-16			---	---	---	
1¼	-16	6605-20-16D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	M33 x 2	MK 578	7/16-14 x 3 1/4	222	6.0
		6606-20-16D							7/16-14			---	---	---	
1¼	-20	6605-20-20D	3.50	3.19	2.40	2.312	1.188	1.25	.47	1.25	M42 x 2	MK 578	7/16-14 x 3 1/4	222	5.8
		6606-20-20D							7/16-14			---	---	---	
1½	-20	6605-24-20D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	M42 x 2	MK 545	1/2-13 x 4	225	9.8
		6606-24-20D							1/2-13			---	---	---	
1½	-24	6605-24-24D	4.00	3.75	2.90	2.750	1.406	1.50	.53	1.38	M48 x 2	MK 545	1/2-13 x 4	225	9.4
		6606-24-24D							1/2-13			---	---	---	
2	-24	6605-32-24D	4.50	4.00	2.96	3.062	1.688	1.94	.53	1.62	M48 x 2	MK 558	1/2-13 x 4	228	12.6
		6606-32-24D							1/2-13			---	---	---	
2	-32	6605-32-32D	4.25	4.00	3.40	3.062	1.688	1.94	.53	1.62	M60 x 2	MK 546	1/2-13 x 4 1/2	228	11.5
		6606-32-32D							1/2-13			---	---	---	

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

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

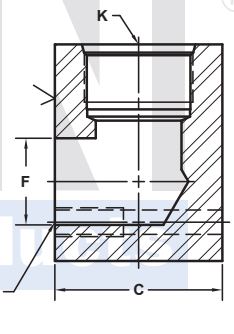
MATERIAL:
316L Stainless

O-Ring Style



Model 6605 / 6607

Companion Style (Flat Face)



Model 6606 / 6608



MAIN® manufacturing products

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	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6607-08-08D	2.00	2.22	1.46	1.594	.718	.50	.34	.88	M18 x 1.5	MK 541	5/16-18 x 2	210	1.6
		6608-08-08D							5/16-18			---	---	---	
¾	-10	6607-12-10D	2.50	2.81	1.70	2.000	.937	.50	.41	1.00	M22 x 1.5	MK 542	3/8-16 x 2 1/2	214	3.0
		6608-12-10D							3/8-16			---	---	---	
¾	-12	6607-12-12D	2.50	2.81	1.70	2.000	.937	.75	.41	1.00	M27 x 2	MK 542	3/8-16 x 2 1/2	214	2.8
		6608-12-12D							3/8-16			---	---	---	
1	-12	6607-16-12D	3.00	3.19	1.96	2.250	1.093	.75	.47	1.12	M27 x 2	MK 551	7/16-14 x 2 3/4	219	4.5
		6608-16-12D							7/16-14			---	---	---	
1	-16	6607-16-16D	3.00	3.19	1.96	2.250	1.093	1.00	.47	1.12	M33 x 2	MK 551	7/16-14 x 2 3/4	219	4.3
		6608-16-16D							7/16-14			---	---	---	
1¼	-20	6607-20-20D	4.00	3.75	2.44	2.625	1.250	1.25	.53	1.38	M42 x 2	MK 552	1/2-13 x 3 1/4	222	8.3
		6608-20-20D							1/2-13			---	---	---	
1½	-24	6607-24-24D	4.00	4.50	2.96	3.125	1.437	1.50	.66	1.62	M48 x 2	MK 553	5/8-11 x 4	225	12.0
		6608-24-24D							5/8-11			---	---	---	
2	-32	6607-32-32D	5.00	5.25	3.46	3.812	1.750	1.94	.78	2.00	M60 x 2	MK 554	3/4-10 x 4 1/2	228	19.7
		6608-32-32D							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.

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

For Schedule 10 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

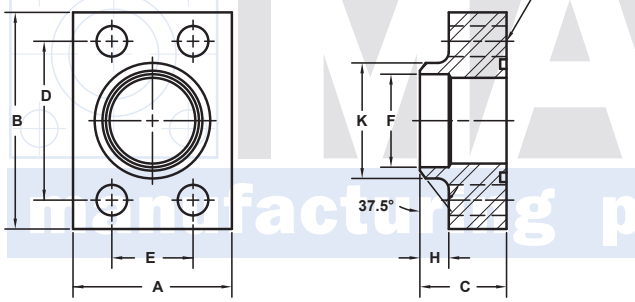
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6279-08-08D	1.50	2.12	1.25	1.500	.688	.67	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6280-08-08D							5/16-18			---	---	---	
¾	½	6279-12-08D	1.75	2.62	1.25	1.875	.875	.67	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.0
		6280-12-08D							3/8-16			---	---	---	
¾	¾	6279-12-12D	1.75	2.62	1.25	1.875	.875	.88	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.0
		6280-12-12D							3/8-16			---	---	---	
1	¾	6279-16-12D	2.00	2.82	1.25	2.062	1.031	.88	.41	.38	1.12	MK 1542	3/8-16 x 1 1/2	219	1.3
		6280-16-12D							3/8-16			---	---	---	
1	1	6279-16-16D	2.00	2.82	1.25	2.062	1.031	1.10	.41	.38	1.38	MK 1542	3/8-16 x 1 1/2	219	1.2
		6280-16-16D							3/8-16			---	---	---	
1¼	1	6279-20-16D	2.50	3.19	1.25	2.312	1.188	1.10	.47	.38	1.38	MK 1527	7/16-14 x 1 1/2	222	1.7
		6280-20-16D							7/16-14			---	---	---	
1¼	1¼	6279-20-20D	2.50	3.19	1.25	2.312	1.188	1.44	.47	.38	1.75	MK 1527	7/16-14 x 1 1/2	222	1.6
		6280-20-20D							7/16-14			---	---	---	
1¼	1½	----------	2.50	3.19	1.50	2.312	1.188	1.68	----	.50	2.00	---	---	---	2.0
		6280-20-24D							7/16-14			---	---	---	
1½	1¼	6279-24-20D	2.75	3.75	1.50	2.750	1.406	1.44	.53	.50	1.75	MK 1547	1/2-13 x 1 3/4	225	2.6
		6280-24-20D							1/2-13			---	---	---	
1½	1½	6279-24-24D	2.75	3.75	1.50	2.750	1.406	1.68	.53	.50	2.00	MK 1547	1/2-13 x 1 3/4	225	2.3
		6280-24-24D							1/2-13			---	---	---	
1½	2	----------	3.50	3.75	2.25	2.750	1.406	2.16	----	.50	2.50	---	---	---	5.6
		6280-24-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

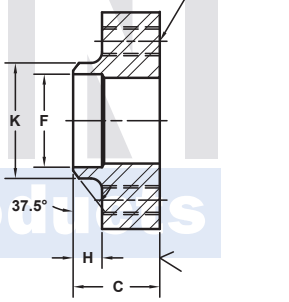


O-Ring Style



Model 6279 / 6281

Companion Style
(Flat Face)



Model 6280 / 6282

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6281-08-08D	1.75	2.22	1.25	1.594	.718	.67	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		6282-08-08D							5/16-18			---	---	---	
¾	½	6281-12-08D	2.00	2.81	1.25	2.000	.937	.67	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.3
		6282-12-08D							3/8-16			---	---	---	
¾	¾	6281-12-12D	2.00	2.81	1.25	2.000	.937	.88	.41	.38	1.12	MK 1525	3/8-16 x 1 1/2	214	1.3
		6282-12-12D							3/8-16			---	---	---	
1	¾	6281-16-12D	2.25	3.19	1.25	2.250	1.093	.88	.47	.38	1.12	MK 513	7/16-14 x 1 3/4	219	1.6
		6282-16-12D							7/16-14			---	---	---	
1	1	6281-16-16D	2.25	3.19	1.25	2.250	1.093	1.10	.47	.38	1.38	MK 513	7/16-14 x 1 3/4	219	1.5
		6282-16-16D							7/16-14			---	---	---	
1¼	1	6281-20-16D	2.75	3.75	1.25	2.625	1.250	1.10	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	2.3
		6282-20-16D							1/2-13			---	---	---	
1¼	1¼	6281-20-20D	2.75	3.75	1.25	2.625	1.250	1.44	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.1
		6282-20-20D							1/2-13			---	---	---	
1¼	1½	----------	3.00	3.75	1.50	2.625	1.250	1.68	----	.50	2.00	---	---	---	3.1
		6282-20-24D							1/2-13			---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule 10 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

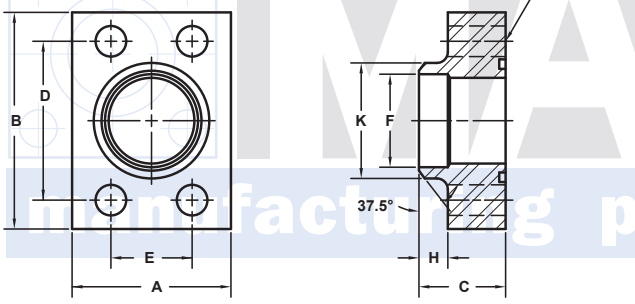
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6279-32-20D	3.25	4.00	1.50	3.062	1.688	1.44	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.3
		6280-32-20D							1/2-13			---	---	---	
2	1½	6279-32-24D	3.25	4.00	1.50	3.062	1.688	1.68	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.2
		6280-32-24D							1/2-13			---	---	---	
2	2	6279-32-32D	3.25	4.00	1.50	3.062	1.688	2.16	.53	.50	2.50	MK 582	1/2-13 x 1 3/4	228	2.8
		6280-32-32D							1/2-13			---	---	---	
2½②	2	6279-40-32D	4.00	4.50	1.75	3.500	2.000	2.16	.53	.50	2.50	MK 561	1/2-13 x 2	232	5.3
		6280-40-32D							1/2-13			---	---	---	
2½②	2½	6279-40-40D	4.00	4.50	1.75	3.500	2.000	2.63	.53	.50	3.00	MK 561	1/2-13 x 2	232	4.8
		6280-40-40D							1/2-13			---	---	---	
3③	2½	6279-48-40D	4.50	5.31	2.00	4.188	2.438	2.63	.66	.50	3.00	MK 585	5/8-11 x 2 1/2	237	8.1
		6280-48-40D							5/8-11			---	---	---	
3③	3	6279-48-48D	4.50	5.31	2.00	4.188	2.438	3.26	.66	.50	3.50	MK 585	5/8-11 x 2 1/2	237	7.2
		6280-48-48D							5/8-11			---	---	---	
3½④	3	6279-56-48D	5.00	6.00	1.50	4.750	2.750	3.26	.66	.50	3.50	MK 1571	5/8-11 x 2	241	6.6
		6280-56-48D							5/8-11			---	---	---	
3½④	3½	6279-56-56D	5.00	6.00	1.50	4.750	2.750	3.76	.66	.50	4.00	MK 1571	5/8-11 x 2	241	5.9
		6280-56-56D							5/8-11			---	---	---	
4④	3	6279-64-48D	5.50	6.38	1.50	5.125	3.062	3.26	.66	.50	3.50	MK 1572	5/8-11 x 2	245	8.1
		6280-64-48D							5/8-11			---	---	---	
4④	4	6279-64-64D	5.50	6.38	1.50	5.125	3.062	4.26	.66	.50	4.50	MK 1572	5/8-11 x 2	245	6.7
		6280-64-64D							5/8-11			---	---	---	

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

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

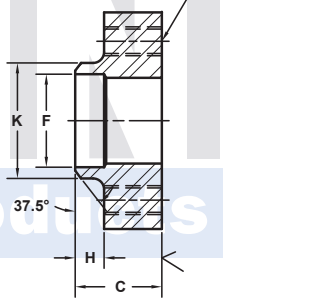
MATERIAL:
316L Stainless

O-Ring Style



Model 6279 / 6281

Companion Style (Flat Face)



Model 6280 / 6282



MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6281-24-20D	3.25	4.50	1.50	3.125	1.437	1.44	.66	.50	1.75	MK 562	5/8-11 x 2	225	3.5
		6282-24-20D							5/8-11			---	---	---	
1½	1½	6281-24-24D	3.25	4.50	1.50	3.125	1.437	1.68	.66	.50	2.00	MK 562	5/8-11 x 2	225	3.3
		6282-24-24D							5/8-11			---	---	---	
1½	2	----------	4.00	4.50	2.00	3.125	1.437	2.16	----	.50	2.50	---	---	---	6.8
		6282-24-32D							5/8-11			---	---	---	
2	1½	6281-32-24D	4.00	5.25	1.75	3.812	1.750	1.68	.78	.50	2.00	MK 1548	3/4-10 x 2 1/2	228	6.4
		6282-32-24D							3/4-10			---	---	---	
2	2	6281-32-32D	4.00	5.25	1.75	3.812	1.750	2.16	.78	.50	2.50	MK 1548	3/4-10 x 2 1/2	228	5.9
		6282-32-32D							3/4-10			---	---	---	
2½	2	6281-40-32D	5.00	6.88	2.00	4.875	2.312	2.16	.94	.50	2.50	MK 1575	7/8-9 x 2 3/4	232	12.8
		6282-40-32D							7/8-9			---	---	---	
2½	2½	6281-40-40D	5.00	6.88	2.00	4.875	2.312	2.63	.94	.50	3.00	MK 1575	7/8-9 x 2 3/4	232	12.0
		6282-40-40D							7/8-9			---	---	---	
3	3	6281-48-48D	6.00	8.50	2.50	6.000	2.812	3.26	1.19	.50	3.50	MK 1776	1 1/8-7 x 4	237	23.3
		6282-48-48D							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

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

For Schedule 40 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

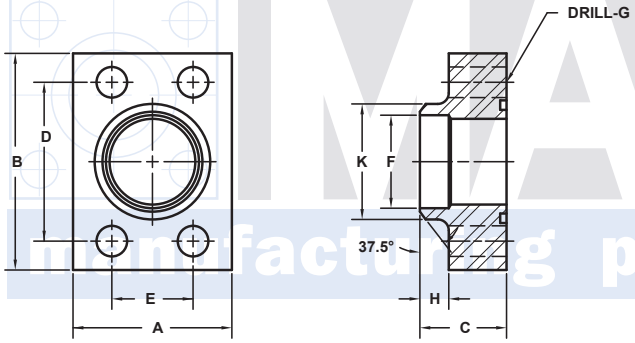
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6105-08-08D	1.50	2.12	1.25	1.500	.688	.62	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6106-08-08D							5/16-18			---	---	---	
¾	½	6105-12-08D	1.75	2.62	1.25	1.875	.875	.62	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.0
		6106-12-08D							3/8-16			---	---	---	
¾	¾	6105-12-12D	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
		6106-12-12D							3/8-16			---	---	---	
1	¾	6105-16-12D	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
		6106-16-12D							3/8-16			---	---	---	
1	1	6105-16-16D	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
		6106-16-16D							3/8-16			---	---	---	
1¼	1	6105-20-16D	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
		6106-20-16D							7/16-14			---	---	---	
1¼	1¼	6105-20-20D	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
		6106-20-20D							7/16-14			---	---	---	
1¼	1½	----------	2.50	3.19	1.50	2.312	1.188	1.61	----	.50	2.00	---	---	---	2.0
		6106-20-24D							7/16-14			---	---	---	
1½	1¼	6105-24-20D	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
		6106-24-20D							1/2-13			---	---	---	
1½	1½	6105-24-24D	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
		6106-24-24D							1/2-13			---	---	---	
1½	2	----------	3.50	3.75	2.25	2.750	1.406	2.06	----	.50	2.50	---	---	---	5.6
		6106-24-32D							1/2-13			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

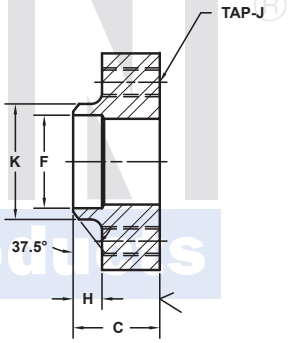


O-Ring Style



Model 6105 / 6107

Companion Style
(Flat Face)



Model 6106 / 6108

MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6107-08-08D	1.75	2.22	1.25	1.594	.718	.62	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		6108-08-08D							5/16-18			---	---	---	
¾	½	6107-12-08D	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
		6108-12-08D							3/8-16			---	---	---	
¾	¾	6107-12-12D	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
		6108-12-12D							3/8-16			---	---	---	
1	¾	6107-16-12D	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
		6108-16-12D							7/16-14			---	---	---	
1	1	6107-16-16D	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
		6108-16-16D							7/16-14			---	---	---	
1¼	1	6107-20-16D	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
		6108-20-16D							1/2-13			---	---	---	
1¼	1¼	6107-20-20D	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
		6108-20-20D							1/2-13			---	---	---	
1¼	1½	----------	3.00	3.75	1.50	2.625	1.250	1.61	----	.50	2.00	---	---	---	3.1
		6108-20-24D							1/2-13			---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule 40 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

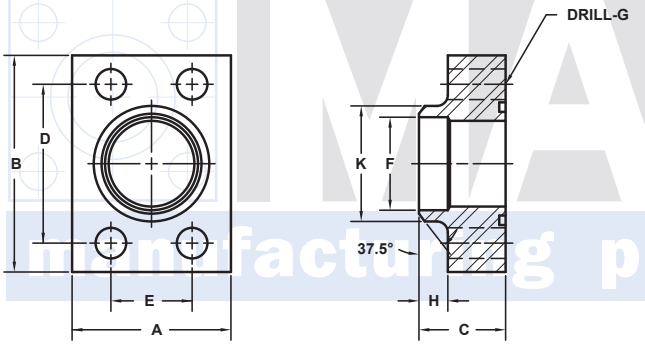
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6105-32-20D	3.25	4.00	1.50	3.062	1.688	1.38	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.3
		6106-32-20D							1/2-13			---	---	---	
2	1½	6105-32-24D	3.25	4.00	1.50	3.062	1.688	1.61	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.2
		6106-32-24D							1/2-13			---	---	---	
2	2	6105-32-32D	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
		6106-32-32D							1/2-13			---	---	---	
2½②	2	6105-40-32D	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
		6106-40-32D							1/2-13			---	---	---	
2½②	2½	6105-40-40D	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
		6106-40-40D							1/2-13			---	---	---	
3③	2½	6105-48-40D	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
		6106-48-40D							5/8-11			---	---	---	
3③	3	6105-48-48D	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
		6106-48-48D							5/8-11			---	---	---	
3½④	3	6105-56-48D	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
		6106-56-48D							5/8-11			---	---	---	
3½④	3½	6105-56-56D	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
		6106-56-56D							5/8-11			---	---	---	
4④	3	6105-64-48D	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
		6106-64-48D							5/8-11			---	---	---	
4④	4	6105-64-64D	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
		6106-64-64D							5/8-11			---	---	---	

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

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

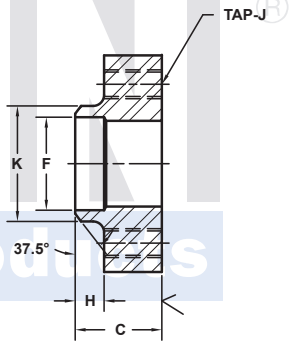
MATERIAL:
316L Stainless

O-Ring Style



Model 6105 / 6107

Companion Style (Flat Face)



Model 6106 / 6108



MAIN
Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6107-24-20D	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
		6108-24-20D							5/8-11			---	---	---	
1½	1½	6107-24-24D	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
		6108-24-24D							5/8-11			---	---	---	
1½	2	----------	4.00	4.50	2.00	3.125	1.437	2.06	----	.50	2.50	---	---	---	6.8
		6108-24-32D							5/8-11			---	---	---	
2	1½	6107-32-24D	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
		6108-32-24D							3/4-10			---	---	---	
2	2	6107-32-32D	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
		6108-32-32D							3/4-10			---	---	---	
2½	2	6107-40-32D	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
		6108-40-32D							7/8-9			---	---	---	
2½	2½	6107-40-40D	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
		6108-40-40D							7/8-9			---	---	---	
3	3	6107-48-48D	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
		6108-48-48D							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

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

For Schedule 80 Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

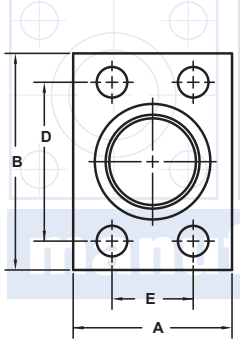
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6109-08-08D	1.50	2.12	1.25	1.500	.688	.53	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6110-08-08D							5/16-18			---	---	---	
3/4	1/2	6109-12-08D	1.75	2.62	1.25	1.875	.875	.53	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.0
		6110-12-08D							3/8-16			---	---	---	
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	3/4	6109-16-12D	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
		6110-16-12D							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	6109-20-16D	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
		6110-20-16D							7/16-14			---	---	---	
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 1/4	1 1/2	----------	2.50	3.19	1.50	2.312	1.188	1.25	----	.50	2.00	---	---	---	2.1
		6110-20-24D							7/16-14			---	---	---	
1 1/2	1 1/4	6109-24-20D	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
		6110-24-20D							1/2-13			---	---	---	
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			---	---	---	
1 1/2	2	----------	3.50	3.75	2.25	2.750	1.406	1.50	----	.50	2.50	---	---	---	5.8
		6110-24-32D							1/2-13			---	---	---	

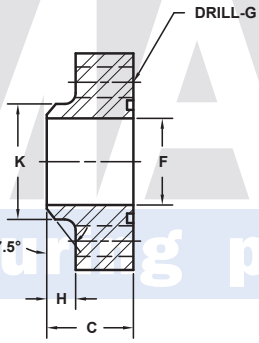
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



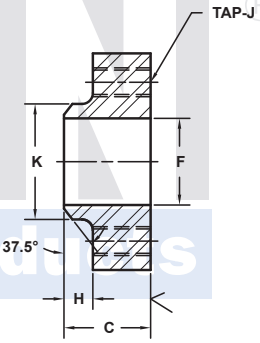
O-Ring Style





Model 6109 / 6111

Companion Style
(Flat Face)



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 / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
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	1/2	6111-12-08D	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
		6112-12-08D							3/8-16			---	---	---	
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	3/4	6111-16-12D	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
		6112-16-12D							7/16-14			---	---	---	
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	6111-20-16D	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
		6112-20-16D							1/2-13			---	---	---	
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 1/4	1 1/2	----------	3.00	3.75	1.50	2.625	1.250	1.25	----	.50	2.00	---	---	---	3.1
		6112-20-24D							1/2-13			---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule 80 Pipe ⑥

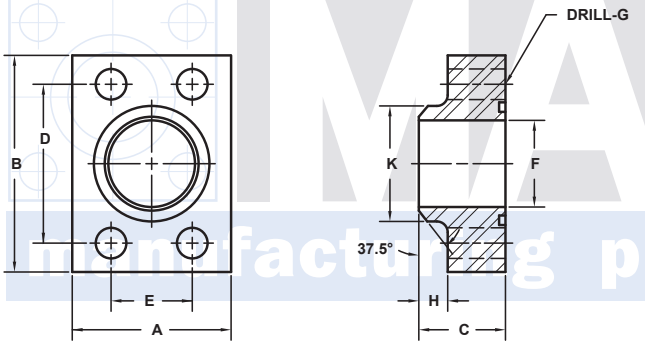
SAE BOLT PATTERN												61 SERIES			
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
2	1¼	6109-32-20D	3.25	4.00	1.50	3.062	1.688	1.25	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.4
		6110-32-20D							1/2-13			---	---	---	
2	1½	6109-32-24D	3.25	4.00	1.50	3.062	1.688	1.50	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.2
		6110-32-24D							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			---	---	---	
2½②	2	6109-40-32D	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
		6110-40-32D							1/2-13			---	---	---	
2½②	2½	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			---	---	---	
3③	2½	6109-48-40D	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
		6110-48-40D							5/8-11			---	---	---	
3③	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			---	---	---	
3½④	3	6109-56-48D	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
		6110-56-48D							5/8-11			---	---	---	
3½④	3½	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			---	---	---	
4④	3	6109-64-48D	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
		6110-64-48D							5/8-11			---	---	---	
4④	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			---	---	---	

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

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

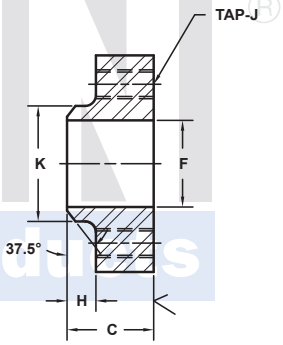
MATERIAL:
316L Stainless

O-Ring Style



Model 6109 / 6111

Companion Style (Flat Face)



Model 6110 / 6112



MAIN Manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
1½	1¼	6111-24-20D	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
		6112-24-20D							5/8-11			---	---	---	
1½	1½	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			---	---	---	
1½	2	----------	4.00	4.50	2.00	3.125	1.437	1.50	----	.50	2.50	---	---	---	6.9
		6112-24-32D							5/8-11			---	---	---	
2	1½	6111-32-24D	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
		6112-32-24D							3/4-10			---	---	---	
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			---	---	---	
2½	2	6111-40-32D	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
		6112-40-32D							7/8-9			---	---	---	
2½	2½	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

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule 160 Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

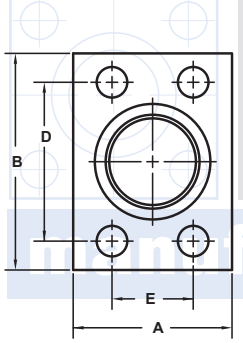
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6117-08-08D	1.50	2.12	1.25	1.500	.688	.47	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.7
		6118-08-08D							5/16-18			---	---	---	
¾	½	6117-12-08D	1.75	2.62	1.25	1.875	.875	.47	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.1
		6118-12-08D							3/8-16			---	---	---	
¾	¾	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	¾	6117-16-12D	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
		6118-16-12D							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			---	---	---	
1¼	1	6117-20-16D	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
		6118-20-16D							7/16-14			---	---	---	
1¼	1¼	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			---	---	---	
1¼	1½	----------	2.50	3.19	1.50	2.312	1.188	1.25	----	.50	2.00	---	---	---	2.1
		6118-20-24D							7/16-14			---	---	---	
1½	1¼	6117-24-20D	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
		6118-24-20D							1/2-13			---	---	---	
1½	1½	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			---	---	---	
1½	2	----------	3.50	3.75	2.25	2.750	1.406	1.50	----	.50	2.50	---	---	---	5.8
		6118-24-32D							1/2-13			---	---	---	

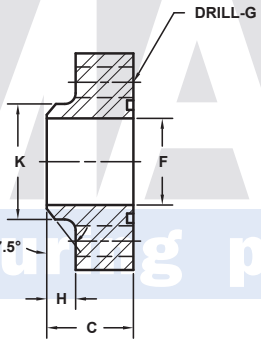
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



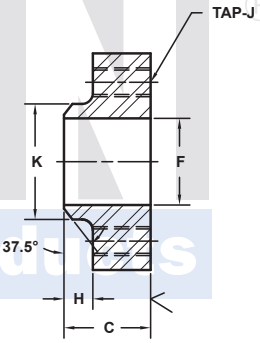
O-Ring Style





Model 6117 / 6119

Companion Style
(Flat Face)



Model 6118 / 6120

MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	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
		6120-08-08D							5/16-18			---	---	---	
¾	½	6119-12-08D	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
		6120-12-08D							3/8-16			---	---	---	
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
		6120-12-12D							3/8-16			---	---	---	
1	¾	6119-16-12D	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
		6120-16-12D							7/16-14			---	---	---	
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
		6120-16-16D							7/16-14			---	---	---	
1¼	1	6119-20-16D	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
		6120-20-16D							1/2-13			---	---	---	
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
		6120-20-20D							1/2-13			---	---	---	
1¼	1½	----------	3.00	3.75	1.50	2.625	1.250	1.25	----	.50	2.00	---	---	---	3.1
		6120-20-24D							1/2-13			---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule 160 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

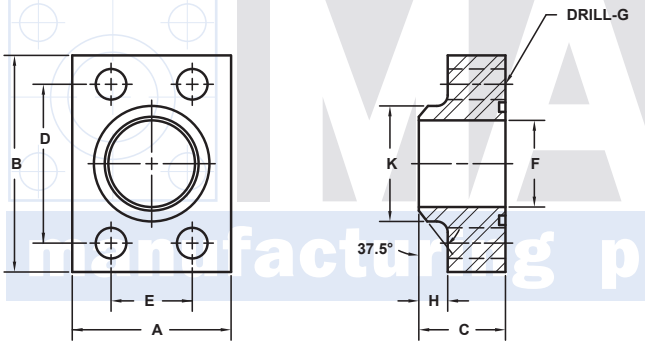
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6117-32-20D	3.25	4.00	1.50	3.062	1.688	1.16	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.4
		6118-32-20D							1/2-13			---	---	---	
2	1½	6117-32-24D	3.25	4.00	1.50	3.062	1.688	1.34	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.3
		6118-32-24D							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			---	---	---	
2½②	2	6117-40-32D	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
		6118-40-32D							1/2-13			---	---	---	
2½②	2½	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			---	---	---	
3③	2½	6117-48-40D	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
		6118-48-40D							5/8-11			---	---	---	
3③	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			---	---	---	
3½④	3	6117-56-48D	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
		6118-56-48D							5/8-11			---	---	---	
3½④	3½	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			---	---	---	
4④	3	6117-64-48D	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
		6118-64-48D							5/8-11			---	---	---	
4④	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			---	---	---	

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

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

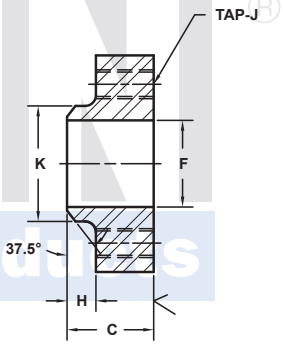
MATERIAL:
316L Stainless

O-Ring Style



Model 6117 / 6119

Companion Style (Flat Face)



Model 6118 / 6120



MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6119-24-20D	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
		6120-24-20D							5/8-11			---	---	---	
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
		6120-24-24D							5/8-11			---	---	---	
1½	2	----------	4.00	4.50	2.00	3.125	1.437	1.50	----	.50	2.50	---	---	---	6.9
		6120-24-32D							5/8-11			---	---	---	
2	1½	6119-32-24D	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
		6120-32-24D							3/4-10			---	---	---	
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
		6120-32-32D							3/4-10			---	---	---	
2½	2	6119-40-32D	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
		6120-40-32D							7/8-9			---	---	---	
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
		6120-40-40D							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
		6120-48-48D							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

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

For Schedule XXS Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

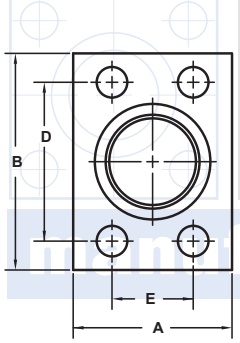
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6121-08-08D	1.50	2.12	1.25	1.500	.688	.25	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.8
		6122-08-08D							5/16-18			---	---	---	
¾	½	6121-12-08D	1.75	2.62	1.25	1.875	.875	.25	.41	.38	.88	MK 1525	3/8-16 x 1 1/2	214	1.1
		6122-12-08D							3/8-16			---	---	---	
¾	¾	6121-12-12D	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
		6122-12-12D							3/8-16			---	---	---	
1	¾	6121-16-12D	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
		6122-16-12D							3/8-16			---	---	---	
1	1	6121-16-16D	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
		6122-16-16D							3/8-16			---	---	---	
1¼	1	6121-20-16D	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
		6122-20-16D							7/16-14			---	---	---	
1¼	1¼	6121-20-20D	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
		6122-20-20D							7/16-14			---	---	---	
1¼	1½	----------	2.50	3.19	1.50	2.312	1.188	1.10	----	.50	2.00	---	---	---	2.1
		6122-20-24D							7/16-14			---	---	---	
1½	1¼	6121-24-20D	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
		6122-24-20D							1/2-13			---	---	---	
1½	1½	6121-24-24D	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
		6122-24-24D							1/2-13			---	---	---	
1½	2	----------	3.50	3.75	2.50	2.750	1.406	1.50	----	.75	2.50	---	---	---	5.9
		6122-24-32D							1/2-13			---	---	---	

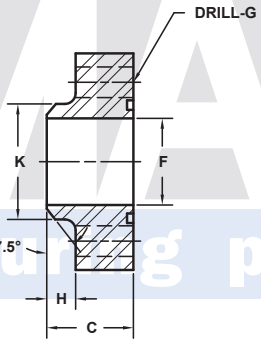
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



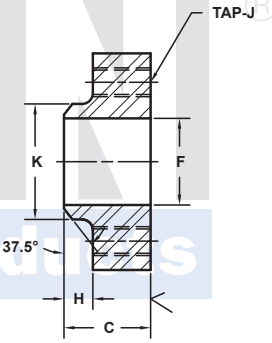
O-Ring Style





Model 6121 / 6123

Companion Style
(Flat Face)



Model 6122 / 6124

MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6123-08-08D	1.75	2.22	1.25	1.594	.718	.25	.34	.38	.88	MK 512	5/16-18 x 1 1/2	210	.9
		6124-08-08D							5/16-18			---	---	---	
¾	½	6123-12-08D	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
		6124-12-08D							3/8-16			---	---	---	
¾	¾	6123-12-12D	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
		6124-12-12D							3/8-16			---	---	---	
1	¾	6123-16-12D	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
		6124-16-12D							7/16-14			---	---	---	
1	1	6123-16-16D	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
		6124-16-16D							7/16-14			---	---	---	
1¼	1	6123-20-16D	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
		6124-20-16D							1/2-13			---	---	---	
1¼	1¼	6123-20-20D	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
		6124-20-20D							1/2-13			---	---	---	
1¼	1½	----------	3.00	3.75	1.75	2.625	1.250	1.10	----	.75	2.00	---	---	---	3.1
		6124-20-24D							1/2-13			---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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

For Schedule XXS Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

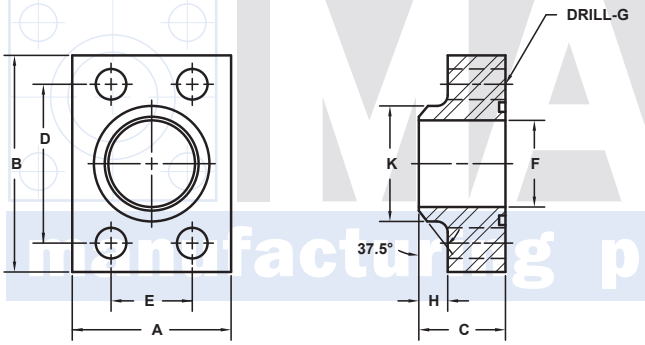
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6121-32-20D	3.25	4.00	1.50	3.062	1.688	.89	.53	.50	1.75	MK 582	1/2-13 x 1 3/4	228	3.5
		6122-32-20D							1/2-13			---	---	---	
2	1½	6121-32-24D	3.25	4.00	1.50	3.062	1.688	1.10	.53	.50	2.00	MK 582	1/2-13 x 1 3/4	228	3.5
		6122-32-24D							1/2-13			---	---	---	
2	2	6121-32-32D	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
		6122-32-32D							1/2-13			---	---	---	
2½②	2	6121-40-32D	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
		6122-40-32D							1/2-13			---	---	---	
2½②	2½	6121-40-40D	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
		6122-40-40D							1/2-13			---	---	---	
3③	2½	6121-48-40D	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
		6122-48-40D							5/8-11			---	---	---	
3③	3	6121-48-48D	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
		6122-48-48D							5/8-11			---	---	---	
3½④	3	6121-56-48D	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
		6122-56-48D							5/8-11			---	---	---	
3½④	3½	6121-56-56D	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
		6122-56-56D							5/8-11			---	---	---	
4④	3	6121-64-48D	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
		6122-64-48D							5/8-11			---	---	---	
4④	4	6121-64-64D	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
		6122-64-64D							5/8-11			---	---	---	

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

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

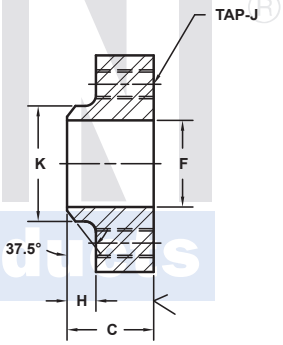
MATERIAL:
316L Stainless

O-Ring Style



Model 6121 / 6123

Companion Style (Flat Face)



Model 6122 / 6124



MAIN Manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6123-24-20D	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
		6124-24-20D							5/8-11			---	---	---	
1½	1½	6123-24-24D	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
		6124-24-24D							5/8-11			---	---	---	
1½	2	----------	4.00	4.50	2.00	3.125	1.437	1.50	----	.75	2.50	---	---	---	6.0
		6124-24-32D							5/8-11			---	---	---	
2	1½	6123-32-24D	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
		6124-32-24D							3/4-10			---	---	---	
2	2	6123-32-32D	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
		6124-32-32D							3/4-10			---	---	---	
2½	2	6123-40-32D	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
		6124-40-32D							7/8-9			---	---	---	
2½	2½	6123-40-40D	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
		6124-40-40D							7/8-9			---	---	---	
3	3	6123-48-48D	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
		6124-48-48D							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

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BUTT WELD ELBOW FLANGES (Pg 1/2)

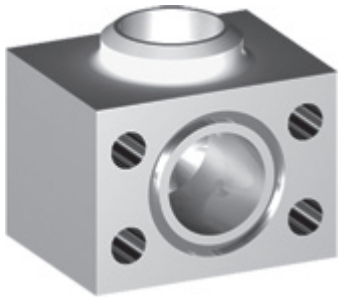
For Schedule 40 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

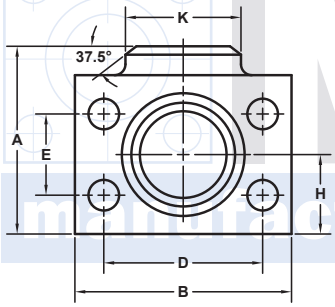
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6133-08-08D	2.00	2.12	1.44	1.500	.688	.62	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6134-08-08D							5/16-18			---	---	---	
3/4	1/2	6133-12-08D	2.25	2.62	1.70	1.875	.875	.62	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1
		6134-12-08D							3/8-16			---	---	---	
3/4	3/4	6133-12-12D	2.25	2.62	1.70	1.875	.875	.82	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.1
		6134-12-12D							3/8-16			---	---	---	
1	3/4	6133-16-12D	2.50	2.82	1.94	2.062	1.031	.82	.41	1.00	1.12	MK 543	3/8-16 x 2 3/4	219	2.8
		6134-16-12D							3/8-16			---	---	---	
1	1	6133-16-16D	2.50	2.82	1.94	2.062	1.031	1.04	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		6134-16-16D							3/8-16			---	---	---	
1 1/4	1	6133-20-16D	3.00	3.19	2.40	2.312	1.188	1.04	.47	1.25	1.38	MK 578	7/16-14 x 3 1/4	222	4.8
		6134-20-16D							7/16-14			---	---	---	
1 1/4	1 1/4	6133-20-20D	3.00	3.19	2.40	2.312	1.188	1.38	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.7
		6134-20-20D							7/16-14			---	---	---	
1 1/4	1 1/2	6133-20-24D	3.00	3.19	3.00	2.312	1.188	1.61	.47	1.25	2.00	MK 591	7/16-14 x 4	222	5.7
		6134-20-24D							7/16-14			---	---	---	
1 1/2	1 1/4	6133-24-20D	3.25	3.75	2.90	2.750	1.406	1.38	.53	1.38	1.75	MK 545	1/2-13 x 4	225	6.8
		6134-24-20D							1/2-13			---	---	---	
1 1/2	1 1/2	6133-24-24D	3.25	3.75	2.90	2.750	1.406	1.61	.53	1.38	2.00	MK 545	1/2-13 x 4	225	6.7
		6134-24-24D							1/2-13			---	---	---	
1 1/2	2	6133-24-32D	3.50	3.75	3.50	2.750	1.406	2.06	.53	1.38	2.50	MK 579	1/2-13 x 4 1/2	225	9.1
		6134-24-32D							1/2-13			---	---	---	

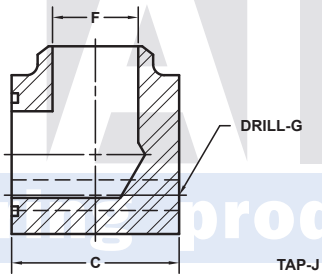
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



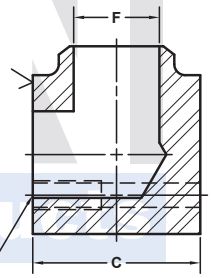
O-Ring Style





Model 6133 / 6135

Companion Style
(Flat Face)



Model 6134 / 6136

MAIN®
manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6135-08-08D	2.25	2.22	1.46	1.594	.718	.62	.34	.88	.88	MK 541	5/16-18 x 2	210	1.5
		6136-08-08D							5/16-18			---	---	---	
3/4	1/2	6135-12-08D	2.50	2.81	1.70	2.000	.937	.62	.41	1.00	.88	MK 542	3/8-16 x 2 1/2	214	2.6
		6136-12-08D							3/8-16			---	---	---	
3/4	3/4	6135-12-12D	2.50	2.81	1.70	2.000	.937	.82	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.5
		6136-12-12D							3/8-16			---	---	---	
1	3/4	6135-16-12D	2.75	3.19	2.21	2.250	1.093	.82	.47	1.12	1.12	MK 2533	7/16-14 x 3	219	4.1
		6136-16-12D							7/16-14			---	---	---	
1	1	6135-16-16D	2.75	3.19	2.21	2.250	1.093	1.04	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.0
		6136-16-16D							7/16-14			---	---	---	
1 1/4	1	6135-20-16D	3.25	3.75	2.44	2.625	1.250	1.04	.53	1.38	1.38	MK 552	1/2-13 x 3 1/4	222	6.3
		6136-20-16D							1/2-13			---	---	---	
1 1/4	1 1/4	6135-20-20D	3.25	3.75	2.44	2.625	1.250	1.38	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.1
		6136-20-20D							1/2-13			---	---	---	

① Order Separately

⑥ Schedules 80, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 40 Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

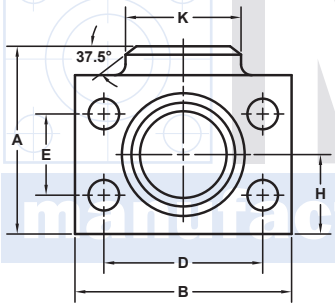
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6133-32-20D	3.75	4.00	3.40	3.062	1.688	1.38	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	9.9
		6134-32-20D							1/2-13			---	---	---	
2	1½	6133-32-24D	3.75	4.00	3.40	3.062	1.688	1.61	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	9.7
		6134-32-24D							1/2-13			---	---	---	
2	2	6133-32-32D	3.75	4.00	3.40	3.062	1.688	2.06	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	9.2
		6134-32-32D							1/2-13			---	---	---	
2½②	2	6133-40-32D	4.50	4.50	3.96	3.500	2.000	2.06	.53	2.00	2.50	MK 547	1/2-13 x 5	232	15.1
		6134-40-32D							1/2-13			---	---	---	
2½②	2½	6133-40-40D	4.50	4.50	3.96	3.500	2.000	2.47	.53	2.00	3.00	MK 547	1/2-13 x 5	232	14.5
		6134-40-40D							1/2-13			---	---	---	
3③	2½	6133-48-40D	5.00	5.31	4.96	4.188	2.438	2.47	.66	2.25	3.00	MK 548	5/8-11 x 6	237	24.6
		6134-48-40D							5/8-11			---	---	---	
3③	3	6133-48-48D	5.00	5.31	4.96	4.188	2.438	3.06	.66	2.25	3.50	MK 548	5/8-11 x 6	237	23.1
		6134-48-48D							5/8-11			---	---	---	
3½④	3	6133-56-48D	5.50	6.00	5.40	4.750	2.750	3.06	.66	2.50	3.50	MK 549	5/8-11 x 6 1/2	241	32.2
		6134-56-48D							5/8-11			---	---	---	
3½④	3½	6133-56-56D	5.50	6.00	5.40	4.750	2.750	3.54	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	30.7
		6134-56-56D							5/8-11			---	---	---	
4④	3	6133-64-48D	6.00	6.38	5.96	5.125	3.062	3.06	.66	2.75	3.50	MK 550	5/8-11 x 7	245	41.4
		6134-64-48D							5/8-11			---	---	---	
4④	4	6133-64-64D	6.00	6.38	5.96	5.125	3.062	4.02	.66	2.75	4.50	MK 550	5/8-11 x 7	245	38.0
		6134-64-64D							5/8-11			---	---	---	

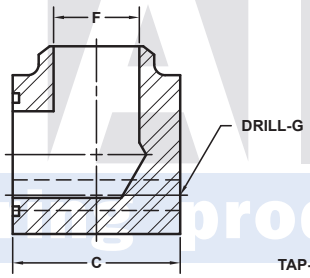
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

MATERIAL:
316L Stainless

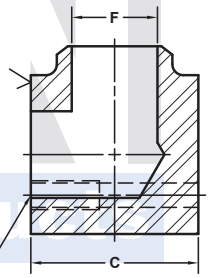
O-Ring Style



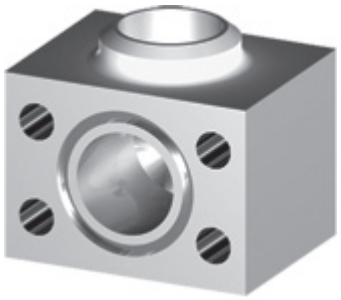


Model 6133 / 6135

Companion Style
(Flat Face)



Model 6134 / 6136



MAIN ® manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6135-24-20D	3.75	4.50	2.96	3.125	1.437	1.38	.66	1.62	1.75	MK 553	5/8-11 x 4	225	10.6
		6136-24-20D							5/8-11			---	---	---	
1½	1½	6135-24-24D	3.75	4.50	2.96	3.125	1.437	1.61	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.0
		6136-24-24D							5/8-11			---	---	---	
2	1½	6135-32-24D	4.50	5.25	3.46	3.812	1.750	1.61	.78	2.00	2.00	MK 554	3/4-10 x 4 1/2	228	16.8
		6136-32-24D							3/4-10			---	---	---	
2	2	6135-32-32D	4.50	5.25	3.46	3.812	1.750	2.06	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	16.2
		6136-32-32D							3/4-10			---	---	---	
2½	2	6135-40-32D	5.50	6.88	4.50	4.875	2.312	2.06	.94	2.50	2.50	MK 2557	7/8-9 x 6	232	36.3
		6136-40-32D							7/8-9			---	---	---	
2½	2½	6135-40-40D	5.50	6.88	4.50	4.875	2.312	2.47	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	35.4
		6136-40-40D							7/8-9			---	---	---	
3	3	6135-48-48D	6.50	8.50	5.00	6.000	2.812	3.06	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	57.2
		6136-48-48D							1 1/8-7			---	---	---	

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

⑥ Schedules 80, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES (Pg 1/2)

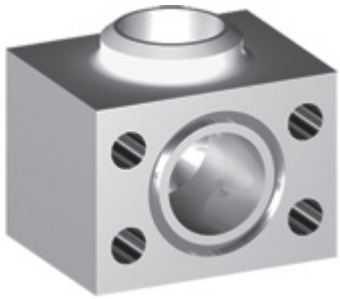
For Schedule 80 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

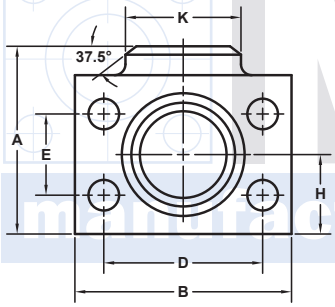
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6137-08-08D	2.00	2.12	1.44	1.500	.688	.53	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6138-08-08D							5/16-18			---	---	---	
3/4	1/2	6137-12-08D	2.25	2.62	1.70	1.875	.875	.53	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1
		6138-12-08D							3/8-16			---	---	---	
3/4	3/4	6137-12-12D	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
		6138-12-12D							3/8-16			---	---	---	
1	3/4	6137-16-12D	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
		6138-16-12D							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	6137-20-16D	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
		6138-20-16D							7/16-14			---	---	---	
1 1/4	1 1/4	6137-20-20D	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
		6138-20-20D							7/16-14			---	---	---	
1 1/4	1 1/2	6137-20-24D	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
		6138-20-24D							7/16-14			---	---	---	
1 1/2	1 1/4	6137-24-20D	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
		6138-24-20D							1/2-13			---	---	---	
1 1/2	1 1/2	6137-24-24D	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
		6138-24-24D							1/2-13			---	---	---	
1 1/2	2	6137-24-32D	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
		6138-24-32D							1/2-13			---	---	---	

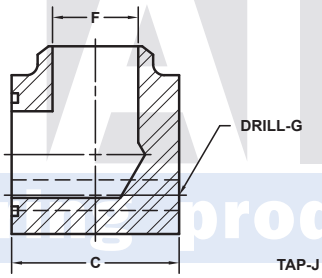
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



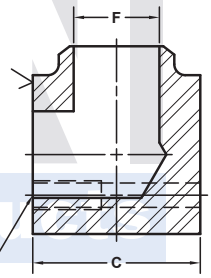
O-Ring Style





Model 6137 / 6139

Companion Style
(Flat Face)



Model 6138 / 6140

MAIN® manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
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	1/2	6139-12-08D	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
		6140-12-08D							3/8-16			---	---	---	
3/4	3/4	6139-12-12D	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
		6140-12-12D							3/8-16			---	---	---	
1	3/4	6139-16-12D	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
		6140-16-12D							7/16-14			---	---	---	
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	6139-20-16D	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
		6140-20-16D							1/2-13			---	---	---	
1 1/4	1 1/4	6139-20-20D	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
		6140-20-20D							1/2-13			---	---	---	

① Order Separately

⑥ Schedules 40, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 80 Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

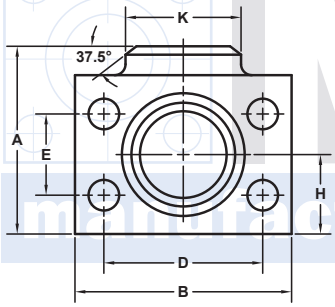
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6137-32-20D	3.75	4.00	3.40	3.062	1.688	1.23	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	10.1
		6138-32-20D							1/2-13			---	---	---	
2	1½	6137-32-24D	3.75	4.00	3.40	3.062	1.688	1.48	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	9.9
		6138-32-24D							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	9.4
		6138-32-32D							1/2-13			---	---	---	
2½②	2	6137-40-32D	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
		6138-40-32D							1/2-13			---	---	---	
2½②	2½	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	14.8
		6138-40-40D							1/2-13			---	---	---	
3③	2½	6137-48-40D	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
		6138-48-40D							5/8-11			---	---	---	
3③	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	23.6
		6138-48-48D							5/8-11			---	---	---	
3½④	3	6137-56-48D	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
		6138-56-48D							5/8-11			---	---	---	
3½④	3½	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	31.5
		6138-56-56D							5/8-11			---	---	---	
4④	3	6137-64-48D	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
		6138-64-48D							5/8-11			---	---	---	
4④	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	38.8
		6138-64-64D							5/8-11			---	---	---	

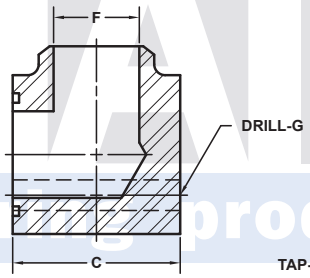
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

MATERIAL:
316L Stainless

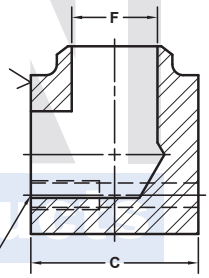
O-Ring Style



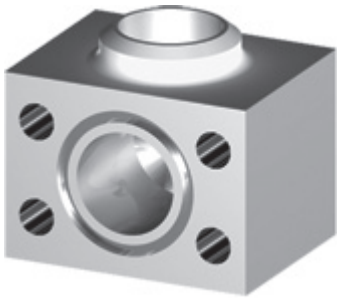


Model 6137 / 6139

Companion Style
(Flat Face)



Model 6138 / 6140



MAIN ® manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6139-24-20D	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
		6140-24-20D							5/8-11			---	---	---	
1½	1½	6139-24-24D	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
		6140-24-24D							5/8-11			---	---	---	
2	1½	6139-32-24D	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
		6140-32-24D							3/4-10			---	---	---	
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	16.4
		6140-32-32D							3/4-10			---	---	---	
2½	2	6139-40-32D	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
		6140-40-32D							7/8-9			---	---	---	
2½	2½	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	35.8
		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	58.0
		6140-48-48D							1 1/8-7			---	---	---	

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

⑥ Schedules 40, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES (Pg 1/2)

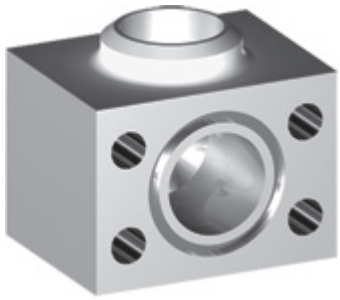
For Schedule 160 Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

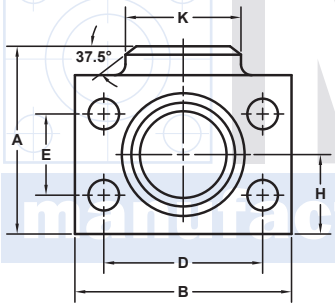
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6141-08-08D	2.00	2.12	1.44	1.500	.688	.47	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6142-08-08D							5/16-18			---	---	---	
3/4	1/2	6141-12-08D	2.25	2.62	1.70	1.875	.875	.47	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1
		6142-12-08D							3/8-16			---	---	---	
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	2.1
		6142-12-12D							3/8-16			---	---	---	
1	3/4	6141-16-12D	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
		6142-16-12D							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	6141-20-16D	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
		6142-20-16D							7/16-14			---	---	---	
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	4.7
		6142-20-20D							7/16-14			---	---	---	
1 1/4	1 1/2	6141-20-24D	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
		6142-20-24D							7/16-14			---	---	---	
1 1/2	1 1/4	6141-24-20D	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
		6142-24-20D							1/2-13			---	---	---	
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	6.9
		6142-24-24D							1/2-13			---	---	---	
1 1/2	2	6141-24-32D	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
		6142-24-32D							1/2-13			---	---	---	

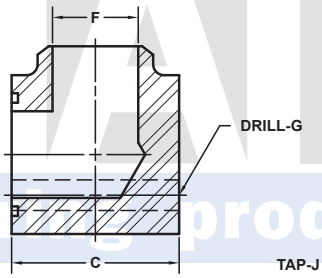
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



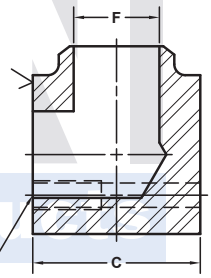
O-Ring Style





Model 6141 / 6143

Companion Style
(Flat Face)



Model 6142 / 6144

MAIN® manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
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	1/2	6143-12-08D	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
		6144-12-08D							3/8-16			---	---	---	
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	2.6
		6144-12-12D							3/8-16			---	---	---	
1	3/4	6143-16-12D	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
		6144-16-12D							7/16-14			---	---	---	
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	6143-20-16D	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
		6144-20-16D							1/2-13			---	---	---	
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	6.3
		6144-20-20D							1/2-13			---	---	---	

① Order Separately

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

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BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule 160 Pipe ⑥

SAE BOLT PATTERN — **61 SERIES**

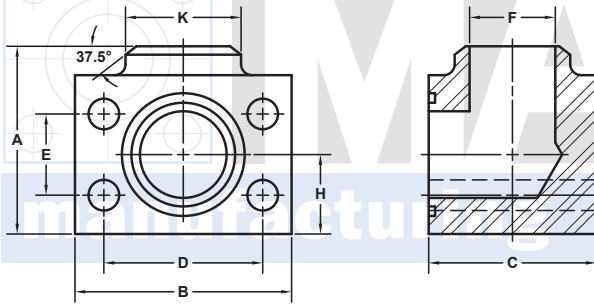
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6141-32-20D	3.75	4.00	3.40	3.062	1.688	1.16	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	10.1
		6142-32-20D							1/2-13			---	---	---	
2	1½	6141-32-24D	3.75	4.00	3.40	3.062	1.688	1.34	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	10.0
		6142-32-24D							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	9.8
		6142-32-32D							1/2-13			---	---	---	
2½②	2	6141-40-32D	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
		6142-40-32D							1/2-13			---	---	---	
2½②	2½	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	15.2
		6142-40-40D							1/2-13			---	---	---	
3③	2½	6141-48-40D	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
		6142-48-40D							5/8-11			---	---	---	
3③	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	24.4
		6142-48-48D							5/8-11			---	---	---	
3½④	3	6141-56-48D	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
		6142-56-48D							5/8-11			---	---	---	
3½④	3½	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	32.7
		6142-56-56D							5/8-11			---	---	---	
4④	3	6141-64-48D	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
		6142-64-48D							5/8-11			---	---	---	
4④	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	40.4
		6142-64-64D							5/8-11			---	---	---	

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

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

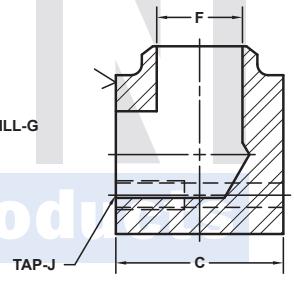
MATERIAL:
316L Stainless

O-Ring Style

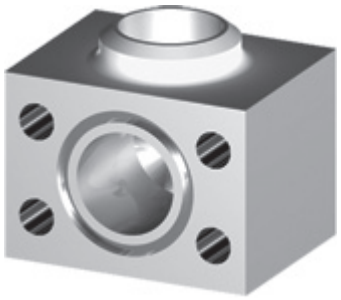


Model 6141 / 6143

Companion Style (Flat Face)



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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6143-24-20D	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
		6144-24-20D							5/8-11			---	---	---	
1½	1½	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	10.8
		6144-24-24D							5/8-11			---	---	---	
2	1½	6143-32-24D	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
		6144-32-24D							3/4-10			---	---	---	
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	16.8
		6144-32-32D							3/4-10			---	---	---	
2½	2	6143-40-32D	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
		6144-40-32D							7/8-9			---	---	---	
2½	2½	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	36.3
		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	59.0
		6144-48-48D							1 1/8-7			---	---	---	

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

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

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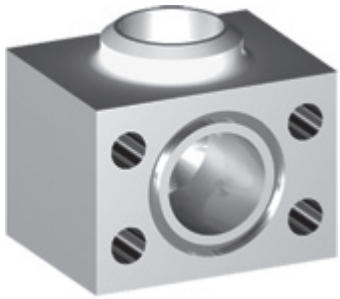
BUTT WELD ELBOW FLANGES (Pg 1/2)

For Schedule XXS Pipe ⑥

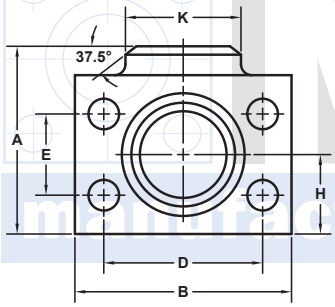
SAE BOLT PATTERN 61 SERIES															
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	6145-08-08D	2.00	2.12	1.44	1.500	.688	.25	.34	.75	.88	MK 541	5/16-18 x 2	210	1.3
		6146-08-08D							5/16-18			---	---	---	
¾	½	6145-12-08D	2.25	2.62	1.70	1.875	.875	.25	.41	.88	.88	MK 542	3/8-16 x 2 1/2	214	2.1
		6146-12-08D							3/8-16			---	---	---	
¾	¾	6145-12-12D	2.25	2.62	1.70	1.875	.875	.44	.41	.88	1.12	MK 542	3/8-16 x 2 1/2	214	2.1
		6146-12-12D							3/8-16			---	---	---	
1	¾	6145-16-12D	2.50	2.82	1.94	2.062	1.031	.44	.41	1.00	1.12	MK 543	3/8-16 x 2 3/4	219	2.9
		6146-16-12D							3/8-16			---	---	---	
1	1	6145-16-16D	2.50	2.82	1.94	2.062	1.031	.60	.41	1.00	1.38	MK 543	3/8-16 x 2 3/4	219	2.8
		6146-16-16D							3/8-16			---	---	---	
1¼	1	6145-20-16D	3.00	3.19	2.40	2.312	1.188	.60	.47	1.25	1.38	MK 578	7/16-14 x 3 1/4	222	4.8
		6146-20-16D							7/16-14			---	---	---	
1¼	1¼	6145-20-20D	3.00	3.19	2.40	2.312	1.188	.89	.47	1.25	1.75	MK 578	7/16-14 x 3 1/4	222	4.7
		6146-20-20D							7/16-14			---	---	---	
1¼	1½	6145-20-24D	3.00	3.19	3.00	2.312	1.188	1.10	.47	1.25	2.00	MK 591	7/16-14 x 4	222	5.8
		6146-20-24D							7/16-14			---	---	---	
1½	1¼	6145-24-20D	3.25	3.75	2.90	2.750	1.406	.89	.53	1.38	1.75	MK 545	1/2-13 x 4	225	7.2
		6146-24-20D							1/2-13			---	---	---	
1½	1½	6145-24-24D	3.25	3.75	2.90	2.750	1.406	1.10	.53	1.38	2.00	MK 545	1/2-13 x 4	225	7.1
		6146-24-24D							1/2-13			---	---	---	
1½	2	6145-24-32D	3.50	3.75	3.50	2.750	1.406	1.50	.53	1.38	2.50	MK 579	1/2-13 x 4 1/2	225	9.2
		6146-24-32D							1/2-13			---	---	---	

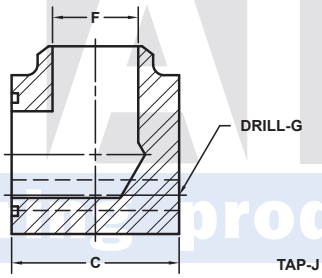
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



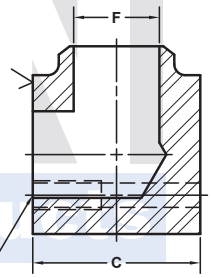
O-Ring Style





Model 6145 / 6147

Companion Style
(Flat Face)



Model 6146 / 6148

MAIN® manufacturing products

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 KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	6147-08-08D	2.25	2.22	1.46	1.594	.718	.25	.34	.88	.88	MK 541	5/16-18 x 2	210	1.6
		6148-08-08D							5/16-18			---	---	---	
¾	½	6147-12-08D	2.50	2.81	1.70	2.000	.937	.25	.41	1.00	.88	MK 542	3/8-16 x 2 1/2	214	2.6
		6148-12-08D							3/8-16			---	---	---	
¾	¾	6147-12-12D	2.50	2.81	1.70	2.000	.937	.44	.41	1.00	1.12	MK 542	3/8-16 x 2 1/2	214	2.6
		6148-12-12D							3/8-16			---	---	---	
1	¾	6147-16-12D	2.75	3.19	2.21	2.250	1.093	.44	.47	1.12	1.12	MK 2533	7/16-14 x 3	219	4.0
		6148-16-12D							7/16-14			---	---	---	
1	1	6147-16-16D	2.75	3.19	2.21	2.250	1.093	.60	.47	1.12	1.38	MK 2533	7/16-14 x 3	219	4.0
		6148-16-16D							7/16-14			---	---	---	
1¼	1	6147-20-16D	3.25	3.75	2.44	2.625	1.250	.60	.53	1.38	1.38	MK 552	1/2-13 x 3 1/4	222	6.3
		6148-20-16D							1/2-13			---	---	---	
1¼	1¼	6147-20-20D	3.25	3.75	2.44	2.625	1.250	.89	.53	1.38	1.75	MK 552	1/2-13 x 3 1/4	222	6.3
		6148-20-20D							1/2-13			---	---	---	

① Order Separately

⑥ Schedules 40, 80 and 160 also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES (Pg 2/2)

For Schedule XXS Pipe ⑥

SAE BOLT PATTERN — 61 SERIES

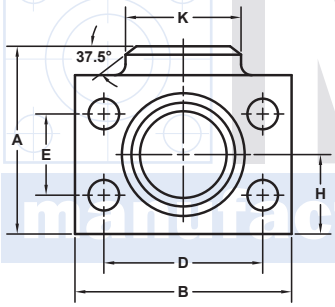
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6145-32-20D	3.75	4.00	3.40	3.062	1.688	.89	.53	1.62	1.75	MK 546	1/2-13 x 4 1/2	228	10.4
		6146-32-20D							1/2-13			---	---	---	
2	1½	6145-32-24D	3.75	4.00	3.40	3.062	1.688	1.10	.53	1.62	2.00	MK 546	1/2-13 x 4 1/2	228	10.2
		6146-32-24D							1/2-13			---	---	---	
2	2	6145-32-32D	4.00	4.00	3.40	3.062	1.688	1.50	.53	1.62	2.50	MK 546	1/2-13 x 4 1/2	228	10.2
		6146-32-32D							1/2-13			---	---	---	
2½②	2	6145-40-32D	4.75	4.50	3.96	3.500	2.000	1.50	.53	2.00	2.50	MK 547	1/2-13 x 5	232	16.3
		6146-40-32D							1/2-13			---	---	---	
2½②	2½	6145-40-40D	4.75	4.50	3.96	3.500	2.000	1.77	.53	2.00	3.00	MK 547	1/2-13 x 5	232	16.1
		6146-40-40D							1/2-13			---	---	---	
3③	2½	6145-48-40D	5.25	5.31	4.96	4.188	2.438	1.77	.66	2.25	3.00	MK 548	5/8-11 x 6	237	26.3
		6146-48-40D							5/8-11			---	---	---	
3③	3	6145-48-48D	5.25	5.31	4.96	4.188	2.438	2.30	.66	2.25	3.50	MK 548	5/8-11 x 6	237	25.5
		6146-48-48D							5/8-11			---	---	---	
3½④	3	6145-56-48D	5.75	6.00	5.40	4.750	2.750	2.30	.66	2.50	3.50	MK 549	5/8-11 x 6 1/2	241	34.8
		6146-56-48D							5/8-11			---	---	---	
3½④	3½	6145-56-56D	5.75	6.00	5.40	4.750	2.750	2.73	.66	2.50	4.00	MK 549	5/8-11 x 6 1/2	241	33.9
		6146-56-56D							5/8-11			---	---	---	
4④	3	6145-64-48D	6.25	6.38	5.96	5.125	3.062	2.30	.66	2.75	3.50	MK 550	5/8-11 x 7	245	44.2
		6146-64-48D							5/8-11			---	---	---	
4④	4	6145-64-64D	6.25	6.38	5.96	5.125	3.062	3.15	.66	2.75	4.50	MK 550	5/8-11 x 7	245	42.0
		6146-64-64D							5/8-11			---	---	---	

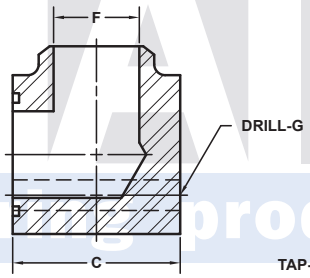
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

MATERIAL:
316L Stainless

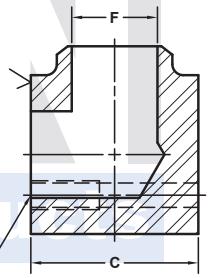
O-Ring Style



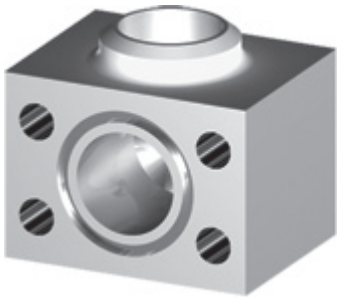


Model 6145 / 6147

Companion Style
(Flat Face)



Model 6146 / 6148



MAIN ® manufacturing products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6147-24-20D	4.00	4.50	2.96	3.125	1.437	.89	.66	1.62	1.75	MK 553	5/8-11 x 4	225	10.8
		6148-24-20D							5/8-11			---	---	---	
1½	1½	6147-24-24D	3.75	4.50	2.96	3.125	1.437	1.10	.66	1.62	2.00	MK 553	5/8-11 x 4	225	10.5
		6148-24-24D							5/8-11			---	---	---	
2	1½	6147-32-24D	4.50	5.25	3.46	3.812	1.750	1.10	.78	2.00	2.00	MK 554	3/4-10 x 4 1/2	228	17.4
		6148-32-24D							3/4-10			---	---	---	
2	2	6147-32-32D	4.75	5.25	3.46	3.812	1.750	1.50	.78	2.00	2.50	MK 554	3/4-10 x 4 1/2	228	17.3
		6148-32-32D							3/4-10			---	---	---	
2½	2	6147-40-32D	5.88	6.88	4.50	4.875	2.312	1.50	.94	2.50	2.50	MK 2557	7/8-9 x 6	232	37.8
		6148-40-32D							7/8-9			---	---	---	
2½	2½	6147-40-40D	5.88	6.88	4.50	4.875	2.312	1.77	.94	2.50	3.00	MK 2557	7/8-9 x 6	232	37.5
		6148-40-40D							7/8-9			---	---	---	
3	3	6147-48-48D	7.00	8.50	5.00	6.000	2.812	2.30	1.19	3.00	3.50	MK 756	1 1/8-7 x 7	237	61.0
		6148-48-48D							1 1/8-7			---	---	---	

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

⑥ Schedules 40, 80 and 160 also Stocked. Other Pipe and Tube Sizes are Available

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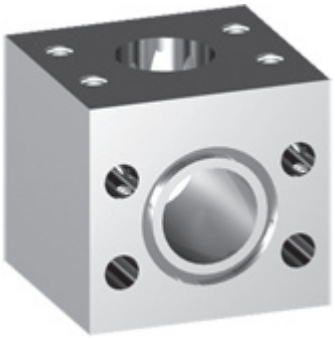
FLANGED ELBOW FLANGES (Pg 1/2)

SAE BOLT PATTERN — 61 SERIES

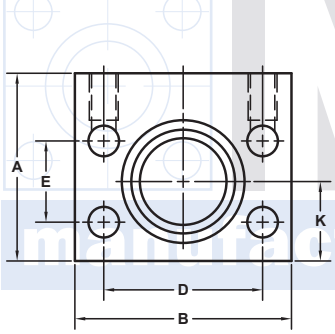
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1/2	1/2	6571-08-08D	2.25	2.12	2.25	1.500	.688	.50	.34	.78	.78	MK 3509	5/16-18 x 2 3/4	210	2.8
		6572-08-08D							5/16-18			---	---	---	
3/4	3/4	6181-12-12D	2.50	2.62	2.25	1.875	.875	.75	.41	1.03	1.03	MK 576	3/8-16 x 3	214	3.5
		6182-12-12D							3/8-16			---	---	---	
3/4	1	6181-12-16D	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 # 6182-16-12D									---	---	---	
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 1/4	6181-16-20D	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 # 6182-20-16D									---	---	---	
1 1/4	1	6181-20-16D	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
		6182-20-16D							7/16-14			---	---	---	
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 1/4	1 1/2	6181-20-24D	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 # 6182-24-20D									---	---	---	
1 1/2	1 1/4	6181-24-20D	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
		6182-24-20D							1/2-13			---	---	---	
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			---	---	---	
1 1/2	2	6181-24-32D	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 # 6182-32-24D									---	---	---	

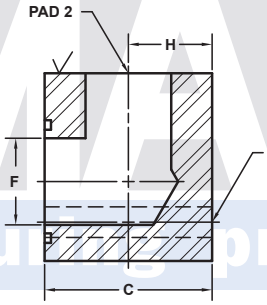
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.



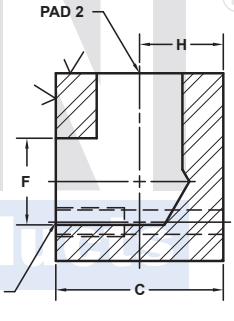
O-Ring Style





Model 6181 / 6183

Companion Style
(Flat Face)



Model 6182 / 6184

MAIN®
manufacturing products

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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
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	2.3
		6184-08-08D							5/16-18			---	---	---	
3/4	1/2	6183-12-08D	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
		6184-12-08D							3/8-16			---	---	---	
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	4.4
		6184-12-12D							3/8-16			---	---	---	
1	3/4	6183-16-12D	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
		6184-16-12D							7/16-14			---	---	---	
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	7.2
		6184-16-16D							7/16-14			---	---	---	
1 1/4	1	6183-20-16D	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
		6184-20-16D							1/2-13			---	---	---	
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 1/4	1 1/2	6183-20-24D	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 # 6184-24-20D									---	---	---	

① Order Separately

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FLANGED ELBOW FLANGES (Pg 2/2)

SAE BOLT PATTERN — 61 SERIES

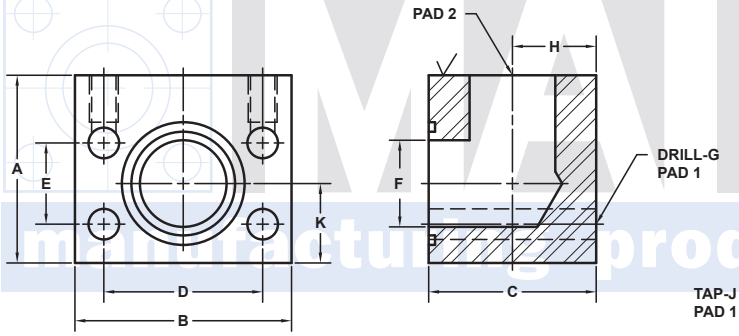
PAD 1 SIZE	PAD 2 SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
2	1¼	6181-32-20D	4.50	4.00	3.00	3.062	1.688	1.94	.53	1.44	1.62	MK 558	1/2-13 x 4	228	12.3
		6182-32-20D							1/2-13			---	---	---	
2	1½	6181-32-24D	4.00	4.00	4.00	3.062	1.688	1.94	.53	1.91	1.91	MK 592	1/2-13 x 5	228	14.5
		6182-32-24D							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	13.9
		6182-32-32D							1/2-13			---	---	---	
2½②	2	6181-40-32D	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
		6182-40-32D							1/2-13			---	---	---	
2½②	2½	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	18.8
		6182-40-40D							1/2-13			---	---	---	
3③	2	6181-48-32D	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
		6182-48-32D							5/8-11			---	---	---	
3③	2½	6181-48-40D	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
		6182-48-40D							5/8-11			---	---	---	
3③	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	32.7
		6182-48-48D							5/8-11			---	---	---	
3½④	3½	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			---	---	---	
4④	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	43.0
		6182-64-64D							5/8-11			---	---	---	
5④	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 specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

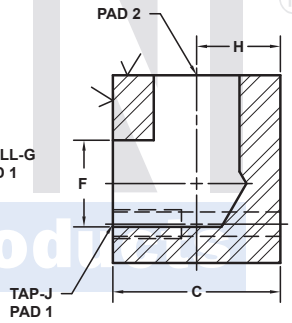
MATERIAL:
316L Stainless

O-Ring Style



Model 6181 / 6183

Companion Style (Flat Face)



Model 6182 / 6184



MAIN® manufacturing products

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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1½	1¼	6183-24-20D	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
		6184-24-20D							5/8-11			---	---	---	
1½	1½	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	16.9
		6184-24-24D							5/8-11			---	---	---	
1½	2	6183-24-32D	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 # 6184-32-24D									---	---	---	
2	1½	6183-32-24D	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
		6184-32-24D							3/4-10			---	---	---	
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	31.5
		6184-32-32D							3/4-10			---	---	---	
2½	2	6183-40-32D	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
		6184-40-32D							7/8-9			---	---	---	
2½	2½	6183-40-40D	6.00	7.00	6.00	4.875	2.312	2.44	.94	2.75	2.50	MK	7/8-9 x 7 1/2	232	56.6
		6184-40-40D							7/8-9			---	---	---	
3	3	6183-48-48D	7.00	8.50	7.00	6.000	2.812	2.94	1.19	3.25	3.00	MK	1 1/8-7 x 9	237	92.4
		6184-48-48D							1 1/8-7			---	---	---	

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

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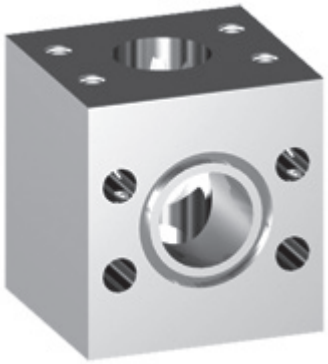
FLANGED BRANCH TEE FLANGES

SAE BOLT PATTERN — 61 SERIES

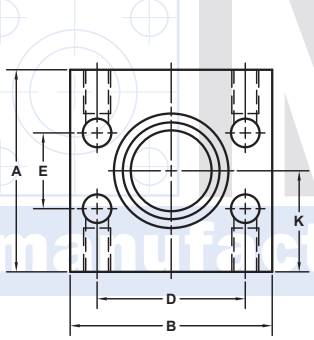
BRANCH SIZE	RUN SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6575-08-08D	3.00	2.12	2.25	1.500	.688	.50	.34	.78	1.50	MK 3509	5/16-18 x 2 3/4	210	3.6
		6576-08-08D							5/16-18			---	---	---	
¾	¾	6185-12-12D	2.75	2.62	2.25	1.875	.875	.75	.41	1.03	1.38	MK 576	3/8-16 x 3	214	3.6
		6186-12-12D							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
		6186-16-16D							3/8-16			---	---	---	
1¼	1¼	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
		6186-20-20D							7/16-14			---	---	---	
1½	1½	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
		6186-24-24D							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
		6186-32-32D							1/2-13			---	---	---	
2½②	2½	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
		6186-40-40D							1/2-13			---	---	---	
3③	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
		6186-48-48D							5/8-11			---	---	---	
3½④	3½	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
		6186-56-56D							5/8-11			---	---	---	
4④	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
		6186-64-64D							5/8-11			---	---	---	
5④	5	6185-80-80D				6.000	3.625		.66					253	
		6186-80-80D							5/8-11			---	---	---	

MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

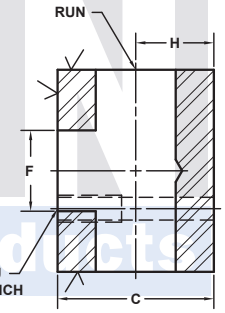


O-Ring Style



Model 6185 / 6187

Companion Style (Flat Face)



Model 6186 / 6188

MAIN manufacturing products

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 / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	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			---	---	---	
¾	¾	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			---	---	---	
1¼	1¼	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			---	---	---	
1½	1½	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			---	---	---	
2½	2½	6187-40-40D	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
		6188-40-40D							7/8-9			---	---	---	
3	3	6187-48-48D	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
		6188-48-48D							1 1/8-7			---	---	---	

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

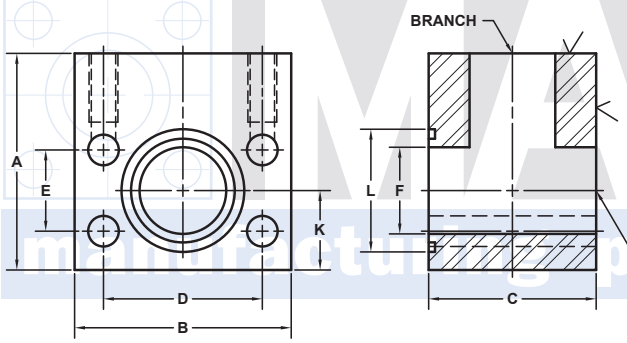
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FLANGED RUN TEE FLANGES

SAE BOLT PATTERN												61 SERIES
RUN SIZE	BRANCH SIZE	PART NUMBER	A	B	C	D	E	F	K	L	O-RING ①	WT
½	½	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							---	---	
¾	¾	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							---	---	
1¼	1¼	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							---	---	
1½	1½	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							---	---	
2½ ②	2½	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							---	---	
3½ ④	3½	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							---	---	

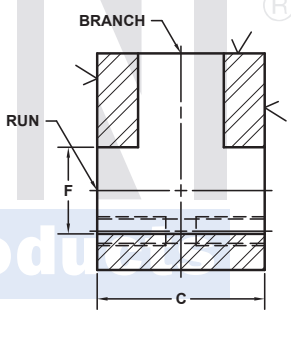
MATERIAL:
316L Stainless

O-Ring Style

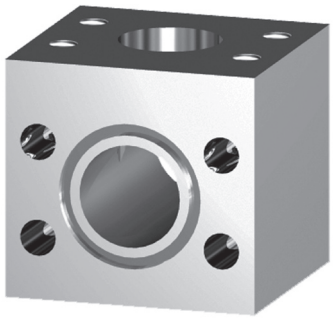


Model 6205 / 6207

Companion Style
(Flat Face)



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
½	½	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							---	---	
¾	¾	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							---	---	
1¼	1¼	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							---	---	
1½	1½	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							---	---	
2½	2½	6207-40-40D	6.00	7.00	6.00	4.875	2.312	2.44	2.50	3.000	232	54.5
		6208-40-40D	USE PART # 6188-40-40D							---	---	
3	3	6207-48-48D	7.00	8.50	7.00	6.000	2.812	2.94	3.00	3.625	237	88.7
		6208-48-48D	USE PART # 6188-48-48D							---	---	

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

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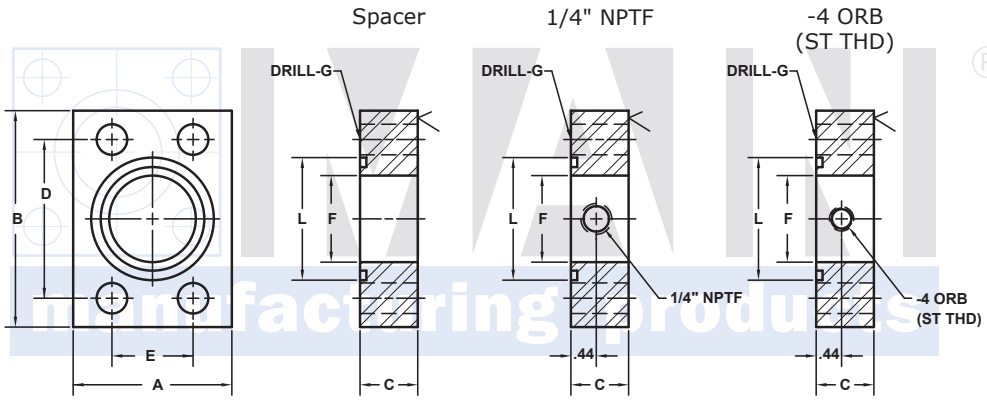
SPACERS AND GAUGE PORT ADAPTERS

1/4" GAUGE PORTS

SAE BOLT PATTERN							61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6303-08-08D 7303-08-08D 8303-08-08D	1.50	2.12	1.00	1.500	.688	.50	.34	1.000	210	.7
¾	NA	6303-12-12D 7303-12-12D 8303-12-12D	1.75	2.62	1.00	1.875	.875	.75	.41	1.250	214	1.0
1	NA	6303-16-16D 7303-16-16D 8303-16-16D	2.00	2.82	1.00	2.062	1.031	1.00	.41	1.562	219	1.1
1¼	NA	6303-20-20D 7303-20-20D 8303-20-20D	2.50	3.19	1.00	2.312	1.188	1.25	.47	1.750	222	1.6
1½	NA	6303-24-24D 7303-24-24D 8303-24-24D	2.75	3.75	1.00	2.750	1.406	1.50	.53	2.125	225	2.0
2	NA	6303-32-32D 7303-32-32D 8303-32-32D	3.25	4.00	1.00	3.062	1.688	1.94	.53	2.500	228	2.4
2½②	NA	6303-40-40D 7303-40-40D 8303-40-40D	4.00	4.50	1.00	3.500	2.000	2.44	.53	3.000	232	3.3
3③	NA	6303-48-48D 7303-48-48D 8303-48-48D	4.50	5.31	1.00	4.188	2.438	2.94	.66	3.625	237	4.1

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-RING①	WT
½	NA	6305-08-08D 7305-08-08D 8305-08-08D	1.75	2.22	1.00	1.594	.718	.50	.34	1.000	210	.8
¾	NA	6305-12-12D 7305-12-12D 8305-12-12D	2.00	2.81	1.00	2.000	.937	.75	.41	1.250	214	1.2
1	NA	6305-16-16D 7305-16-16D 8305-16-16D	2.25	3.19	1.00	2.250	1.093	1.00	.47	1.562	219	1.5
1¼	NA	6305-20-20D 7305-20-20D 8305-20-20D	2.75	3.75	1.00	2.625	1.250	1.25	.53	1.750	222	2.2
1½	NA	6305-24-24D 7305-24-24D 8305-24-24D	3.25	4.50	1.00	3.125	1.437	1.50	.66	2.125	225	3.1
2	NA	6305-32-32D 7305-32-32D 8305-32-32D	4.00	5.25	1.00	3.812	1.750	1.94	.78	2.500	228	4.3

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

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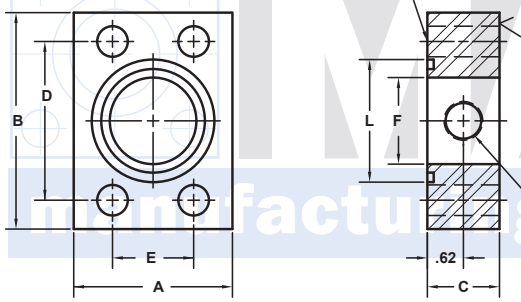
GAUGE PORT ADAPTERS

3/8" GAUGE PORTS

SAE BOLT PATTERN							61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6291-08-08D 6293-08-08D	1.50	2.12	1.25	1.500	.688	.50	.34	1.000	210	1.0
¾	NA	6291-12-12D 6293-12-12D	1.75	2.62	1.25	1.875	.875	.75	.41	1.250	214	1.2
1	NA	6291-16-16D 6293-16-16D	2.00	2.82	1.25	2.062	1.031	1.00	.41	1.562	219	1.5
1¼	NA	6291-20-20D 6293-20-20D	2.50	3.19	1.25	2.312	1.188	1.25	.47	1.750	222	2.1
1½	NA	6291-24-24D 6293-24-24D	2.75	3.75	1.25	2.750	1.406	1.50	.53	2.125	225	2.6
2	NA	6291-32-32D 6293-32-32D	3.25	4.00	1.25	3.062	1.688	1.94	.53	2.500	228	3.2
2½②	NA	6291-40-40D 6293-40-40D	4.00	4.50	1.25	3.500	2.000	2.44	.53	3.000	232	4.3
3③	NA	6291-48-48D 6293-48-48D	4.50	5.31	1.25	4.188	2.438	2.94	.66	3.625	237	5.5

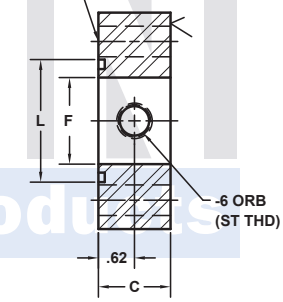
MATERIAL:
316L Stainless

3/8" NPTF



Model 6291 / 6292

-6 ORB
(ST THD)



Model 6293 / 6294



MAIN ®
Manufacturing products

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-RING①	WT
½	NA	6292-08-08D 6294-08-08D	1.75	2.22	1.25	1.594	.718	.50	.34	1.000	210	1.2
¾	NA	6292-12-12D 6294-12-12D	2.00	2.81	1.25	2.000	.937	.75	.41	1.250	214	1.6
1	NA	6292-16-16D 6294-16-16D	2.25	3.19	1.25	2.250	1.093	1.00	.47	1.562	219	1.9
1¼	NA	6292-20-20D 6294-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	1.750	222	2.8
1½	NA	6292-24-24D 6294-24-24D	3.25	4.50	1.25	3.125	1.437	1.50	.66	2.125	225	4.0
2	NA	6292-32-32D 6294-32-32D	4.00	5.25	1.25	3.812	1.750	1.94	.78	2.500	228	5.6

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

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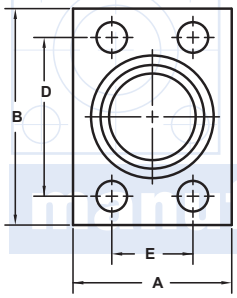
GAUGE PORT ADAPTERS

1/2" GAUGE PORTS

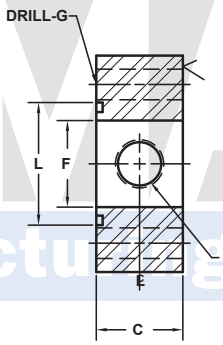
SAE BOLT PATTERN							61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6295-08-08D	USE PART # 6197-08-08D								210	
		6297-08-08D	USE PART # 6201-08-08D									
¾	NA	6295-12-12D	USE PART # 6197-12-08D								214	
		6297-12-12D	USE PART # 6201-12-08D									
1	NA	6295-16-16D	2.00	2.82	1.50	2.062	1.031	1.00	.41	1.562	219	1.7
		6297-16-16D										
1¼	NA	6295-20-20D	2.50	3.19	1.50	2.312	1.188	1.25	.47	1.750	222	2.5
		6297-20-20D										
1½	NA	6295-24-24D	2.75	3.75	1.50	2.750	1.406	1.50	.53	2.125	225	3.2
		6297-24-24D										
2	NA	6295-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	2.500	228	3.8
		6297-32-32D										
2½②	NA	6295-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	3.000	232	6.0
		6297-40-40D										
3③	NA	6295-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	3.625	237	8.8
		6297-48-48D										

MATERIAL:
316L Stainless



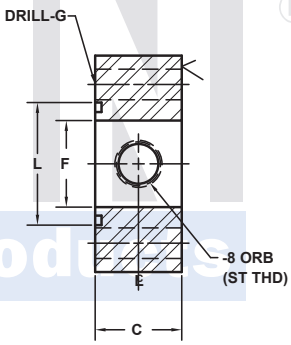


1/2" NPTF



Model 6295 / 6296

-8 ORB
(ST THD)



Model 6297 / 6298

MAIN ® manufacturing products

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-RING①	WT
½	NA	6296-08-08D	USE PART # 6199-08-08D								210	
		6298-08-08D	USE PART # 6203-08-08D									
¾	NA	6296-12-12D	USE PART # 6199-12-08D								214	
		6298-12-12D	USE PART # 6203-12-08D									
1	NA	6296-16-16D	2.25	3.19	1.50	2.250	1.093	1.00	.47	1.562	219	2.3
		6298-16-16D										
1¼	NA	6296-20-20D	3.00	3.75	1.50	2.625	1.250	1.25	.53	1.750	222	3.8
		6298-20-20D										
1½	NA	6296-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	2.125	225	4.7
		6298-24-24D										
2	NA	6296-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	2.500	228	7.8
		6298-32-32D										

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

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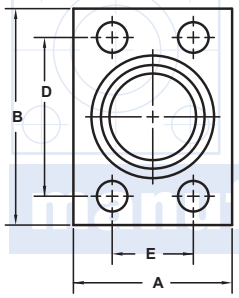
GAUGE PORT ADAPTERS

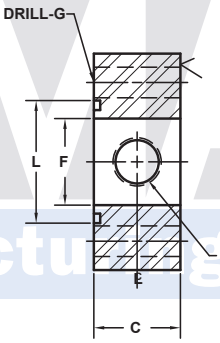
3/4" GAUGE PORTS

SAE BOLT PATTERN							61 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6299-08-08D	USE PART # 6197-08-12D								210	
		6301-08-08D	USE PART # 6201-08-12D									
¾	NA	6299-12-12D	USE PART # 6197-12-12D								214	
		6301-12-12D	USE PART # 6201-12-12D									
1	NA	6299-16-16D	USE PART # 6197-16-12D								219	
		6301-16-16D	USE PART # 6201-16-12D									
1¼	NA	6299-20-20D	2.50	3.19	1.75	2.312	1.188	1.25	.47	1.750	222	2.8
		6301-20-20D										
1½	NA	6299-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	.53	2.125	225	3.6
		6301-24-24D										
2	NA	6299-32-32D	3.25	4.00	1.75	3.062	1.688	1.94	.53	2.500	228	4.3
		6301-32-32D										
2½②	NA	6299-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	3.000	232	6.0
		6301-40-40D										
3③	NA	6299-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	3.625	237	8.7
		6301-48-48D										

MATERIAL:
316L Stainless

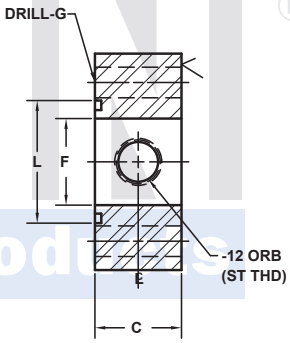
3/4" NPTF





Model 6299 / 6300

-12 ORB
(ST THD)



Model 6301 / 6302



MAIN ® Manufacturing products

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SAE BOLT PATTERN							62 SERIES					
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6300-08-08D	USE PART # 6199-08-12D								210	
		6302-08-08D	USE PART # 6203-08-12D									
¾	NA	6300-12-12D	USE PART # 6199-12-12D								214	
		6302-12-12D	USE PART # 6203-12-12D									
1	NA	6300-16-16D	USE PART # 6199-16-12D								219	
		6302-16-16D	USE PART # 6203-16-12D									
1¼	NA	6300-20-20D	3.00	3.75	1.75	2.625	1.250	1.25	.53	1.750	222	4.3
		6302-20-20D										
1½	NA	6300-24-24D	3.25	4.50	1.75	3.125	1.437	1.50	.66	2.125	225	5.4
		6302-24-24D										
2	NA	6300-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	2.500	228	7.7
		6302-32-32D										

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

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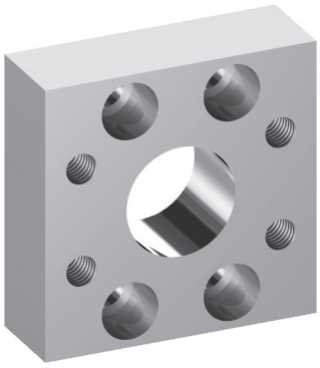
FLANGE ADAPTERS

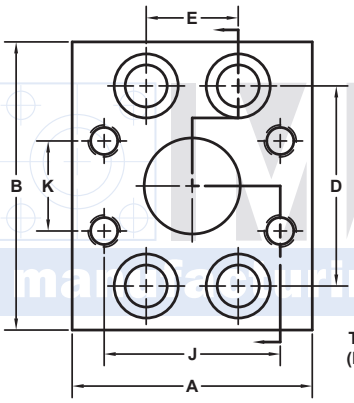
AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

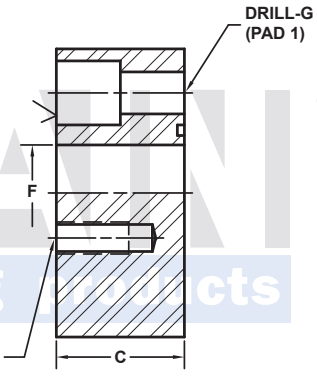
SAE BOLT PATTERN										61 SERIES⑥ TO 62 SERIES					
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	6315-08-08D	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	1/2	6315-12-08D	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.594	.718	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	6315-12-12D	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	6315-16-08D	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	6315-16-12D	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	6315-16-16D	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	6315-20-12D	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	6315-20-16D	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	6315-20-20D	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	6315-24-16D	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	6315-24-20D	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	6315-24-24D	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

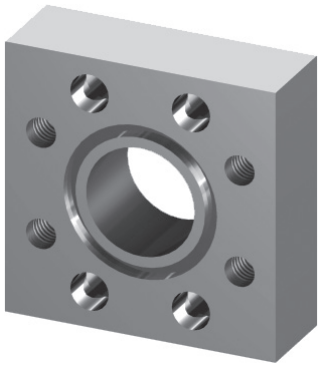
MATERIAL:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**









NOTE: Model 6315, shown, is O-Ring Face by Flat Face. Model 6316, see page 64, is Flat Face by Flat Face.

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SAE BOLT PATTERN										61 SERIES⑥ TO 62 SERIES					
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	6315-32-20D	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	6315-32-24D	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	6315-32-32D	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 1/2②	1 1/2	6315-40-24D	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 1/2②	2	6315-40-32D	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 1/2②	2 1/2	6315-40-40D	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
3③	2	6315-48-32D	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
3③	2 1/2	6315-48-40D	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
3③	3	6315-48-48D	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

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

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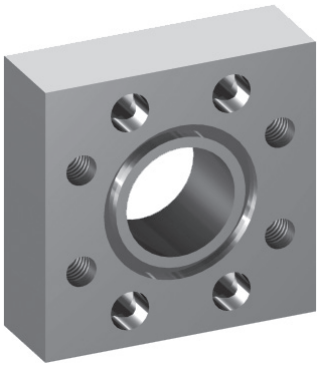
FLANGE ADAPTERS

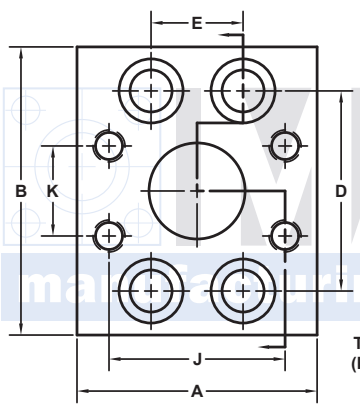
AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

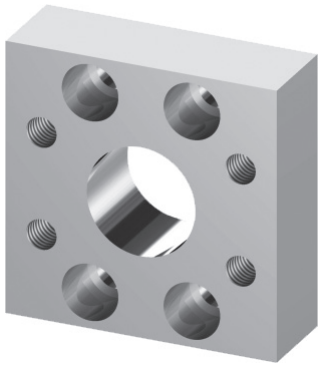
SAE BOLT PATTERN										61 SERIES TO 61 SERIES					
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	6317-08-08D	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.500	.688	MK 564	5/16-18 x 1	210
3/4	1/2	6317-12-08D	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.500	.688	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	6317-12-12D	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	6317-16-08D	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	6317-16-12D	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	6317-16-16D	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	6317-20-12D	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	6317-20-16D	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	6317-20-20D	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	6317-24-16D	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	6317-24-20D	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	6317-24-24D	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

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**

MATERIAL:
316L Stainless







NOTE: Model 6317, shown, is O-Ring Face by Flat Face. Model 6318, see page 66, 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 KIT①		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	6317-32-20D	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	6317-32-24D	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	6317-32-32D	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 1/2②	1 1/2	6317-40-24D	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 1/2②	2	6317-40-32D	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 1/2②	2 1/2	6317-40-40D	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
3③	2	6317-48-32D	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
3③	2 1/2	6317-48-40D	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
3③	3	6317-48-48D	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

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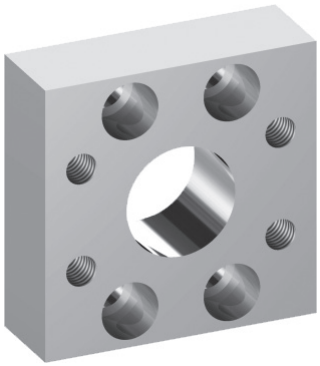
FLANGE ADAPTERS

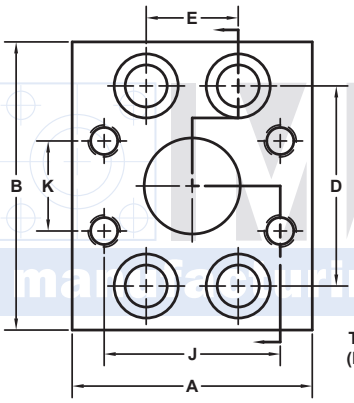
AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

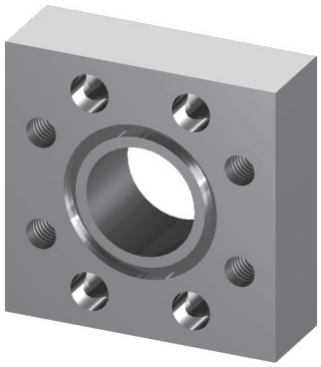
SAE BOLT PATTERN										62 SERIES TO 61 SERIES⑥					
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	6339-08-08D	2.25	2.25	1.00	1.594	.718	.50	.34	5/16-18	1.500	.688	MK 564	5/16-18 x 1	210
3/4	1/2	6339-12-08D	2.25	2.81	1.75	2.000	.937	.50	.41	5/16-18	1.500	.688	MK 502	3/8-16 x 1 3/4	214
3/4	3/4	6339-12-12D	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	6339-16-08D	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	6339-16-12D	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	6339-16-16D	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	6339-20-12D	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	6339-20-16D	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	6339-20-20D	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	6339-24-16D	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	6339-24-20D	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	6339-24-24D	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:
316L Stainless

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**







NOTE: Model 6339, shown, is O-Ring Face by Flat Face. Model 6340, see page 64, is Flat Face by Flat Face.

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SAE BOLT PATTERN										62 SERIES TO 61 SERIES⑥					
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	6339-32-20D	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	6339-32-24D	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	6339-32-32D	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	6339-40-24D	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	6339-40-32D	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 1/2②	6339-40-40D	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	6339-48-32D	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 1/2②	6339-48-40D	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	3③	6339-48-48D	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

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

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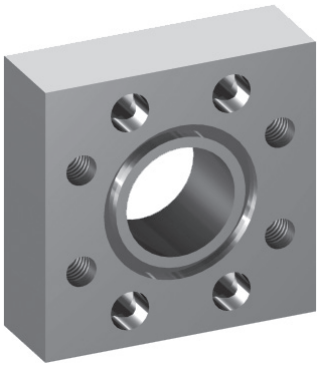
FLANGE ADAPTERS

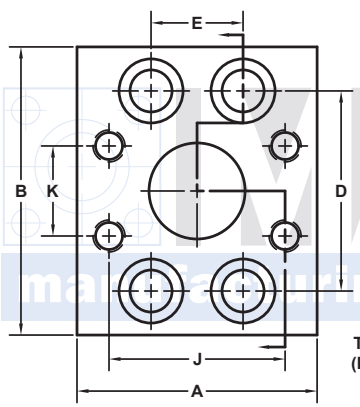
AVAILABLE AS PAD ROTATORS, REDUCERS AND INCREASERS (Not shown)

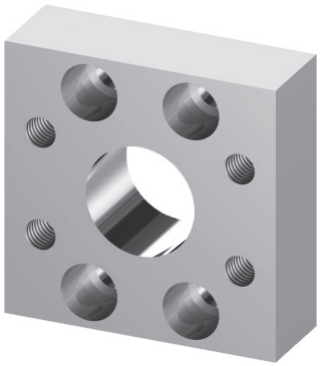
SAE BOLT PATTERN 62 SERIES TO 62 SERIES															
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT①		
													PART NO.	SCREW SIZE	O-RING
1/2	1/2	6341-08-08D	2.25	2.25	1.00	1.594	.718	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	1/2	6341-12-08D	2.25	2.81	1.50	2.000	.937	.50	.41	5/16-18	1.594	.718	MK 1525	3/8-16 x 1 1/2	214
3/4	3/4	6341-12-12D	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	6341-16-08D	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	6341-16-12D	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	6341-16-16D	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	6341-20-12D	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	6341-20-16D	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	6341-20-20D	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	6341-24-16D	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	6341-24-20D	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	6341-24-24D	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

MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**

MATERIAL:
316L Stainless







NOTE: Model 6341, shown, is O-Ring Face by Flat Face. Model 6342, see page 66, 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 KIT①		
													PART NO.	SCREW SIZE	O-RING
2	1 1/4	6341-32-20D	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	6341-32-24D	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	6341-32-32D	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	6341-40-24D	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	6341-40-32D	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	6341-40-40D	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	6341-48-32D	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	6341-48-40D	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	6341-48-48D	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

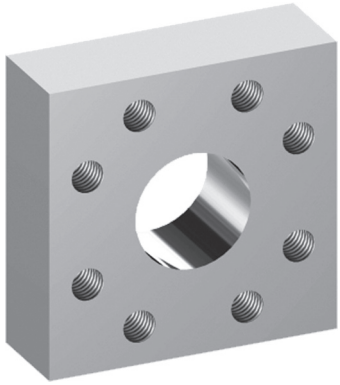
① Order Separately

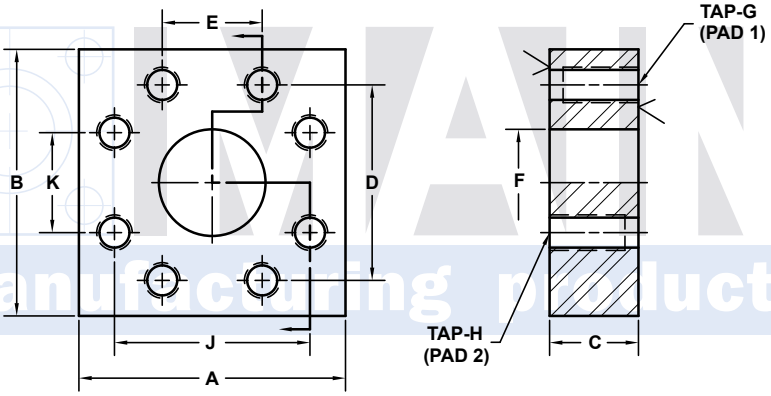
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FLANGE ADAPTERS

SAE BOLT PATTERN									61 SERIES⑥ TO 62 SERIES				
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
½	½	6316-08-08D	2.25	2.25	1.00	1.500	.688	.50	5/16-18	5/16-18	1.594	.718	
¾	¾	6316-12-12D	2.81	2.75	1.00	1.875	.875	.75	3/8-16	3/8-16	2.000	.937	
1	1	6316-16-16D	3.19	3.00	1.25	2.062	1.031	1.00	3/8-16	7/16-14	2.250	1.093	
1¼	1¼	6316-20-20D	3.75	3.25	1.25	2.312	1.188	1.25	7/16-14	1/2-13	2.625	1.250	
1½	1½	6316-24-24D	4.50	3.75	1.50	2.750	1.406	1.50	1/2-13	5/8-11	3.125	1.437	
2	2	6316-32-32D	5.25	4.00	1.75	3.062	1.688	1.94	1/2-13	3/4-10	3.812	1.750	
2½②	2½	6316-40-40D	6.88	5.00	2.00	3.500	2.000	2.44	1/2-13	7/8-9	4.875	2.312	
3③	3	6316-48-48D	8.50	6.00	2.50	4.188	2.438	2.94	5/8-11	1 1/8-7	6.000	2.812	

MATERIAL:
316L Steel





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SAE BOLT PATTERN									62 SERIES TO 61 SERIES⑥				
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
¾	½	6340-12-08D	2.25	2.81	1.75	2.000	.937	.50	3/8-16	5/16-18	1.500	.688	
1	¾	6340-16-12D	2.75	3.19	1.75	2.250	1.093	.75	7/16-14	3/8-16	1.875	.875	
1¼	1	6340-20-16D	2.75	3.75	1.75	2.625	1.250	1.00	1/2-13	3/8-16	2.062	1.031	
1½	1¼	6340-24-20D	3.25	4.50	2.00	3.125	1.437	1.25	5/8-11	7/16-14	2.312	1.188	
2	1½	6340-32-24D	4.00	5.25	2.00	3.812	1.750	1.50	3/4-10	1/2-13	2.750	1.406	
2½	2	6340-40-32D	5.00	6.88	2.00	4.875	2.312	1.94	7/8-9	1/2-13	3.062	1.688	

② 2500 PSI Max ③ 2000 PSI Max

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

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CREATE-A-FLANGE

Our **"CREATE-A-FLANGE"** tool is a great place to go to sketch your designs and send them to **MAIN**. It has interactive sketches of popular specials and helps to avoid the "missing one dimension" problem.

STEP 1. Visit our website at **MAINmfg.com**.

STEP 2. Click on the "**CREATE-A-FLANGE**" link.

STEP 3. Choose the style of Flange needed.

a. Choose from IN-LINE, ELBOW, RUN TEE or BRANCH TEE.
b. O-Ring Style or Flat Faced Style.
c. Socket Weld, Butt Weld, Taper Thread, Straight Thread or Flanged.

STEP 4. Follow the instructions on the form.

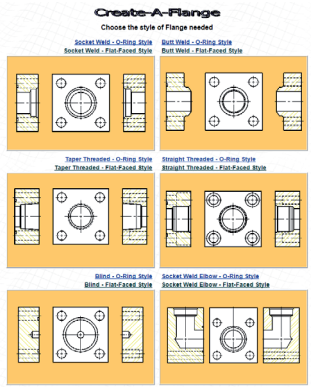
a. You can fill it out by clicking or tabbing to the blanks, save as... and e-mail it to **info@MAINmfg.com**.
b. You can print it out, fill in the blanks and fax it to **(810) 953-1385**.

NOTE: Please be sure to include your contact information, the quantity and material required, as well as any miscellaneous notes (gauge ports, mounting holes, pressure rating, etc.). Also let us know if any of the block dimensions are critical. For instance a customer sends in that they are looking for a flange with a square bolt pattern of 3.375 x 3.375 with a 5/8 bolt on a block that is 4.88 x 4.88 and 1.62 thick. Are the 4.88 and/or 1.62 dimensions critical or would 5.00 x 5.00 at 1.75 thick be acceptable?

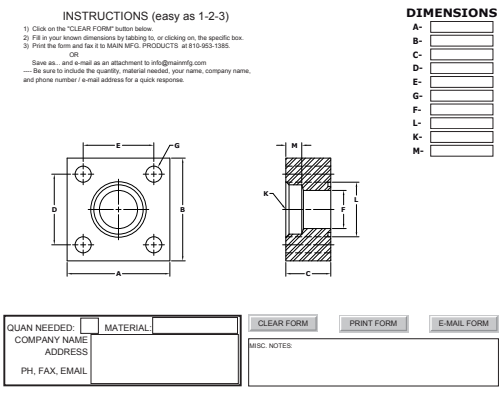
STEP 5. **MAIN Manufacturing Products** will:

a. Contact you with any questions.
b. Search their extended database of standard and special flanges to see if we have the part or similar part on the shelf and get back to you with price and delivery ASAP.
c. If we do not have the part on the shelf our standard delivery is 3 to 5 business days, some parts require a longer lead time.

(step 3)



(step 4)

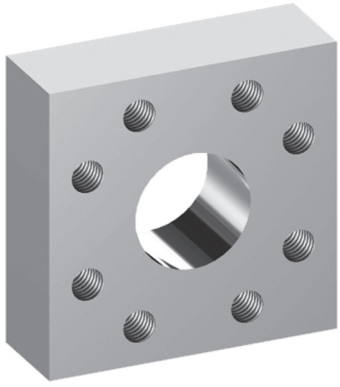


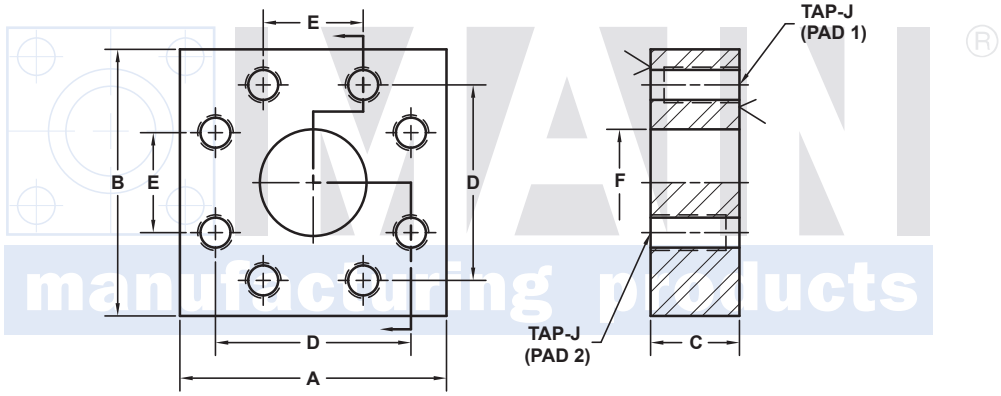
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CONNECTOR BLOCKS - FA STYLE

SAE BOLT PATTERN						61 SERIES TO 61 SERIES				
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	J	WT
½	½	6318-08-08D	2.25	2.25	1.00	1.500	.688	.50	5/16-18	1.3
¾	¾	6318-12-12D	2.75	2.75	1.00	1.875	.875	.75	3/8-16	1.8
1	1	6318-16-16D	3.00	3.00	1.25	2.062	1.031	1.00	3/8-16	2.7
1¼	1¼	6318-20-20D	3.25	3.25	1.25	2.312	1.188	1.25	7/16-14	3.0
1½	1½	6318-24-24D	3.75	3.75	1.25	2.750	1.406	1.50	1/2-13	4.0
2	2	6318-32-32D	4.00	4.00	1.25	3.062	1.688	1.94	1/2-13	4.2
2½②	2½	6318-40-40D	4.50	4.50	1.50	3.500	2.000	2.44	1/2-13	6.1
3③	3	6318-48-48D	5.50	5.50	1.75	4.188	2.438	2.94	5/8-11	10.8

MATERIAL:
316L Stainless





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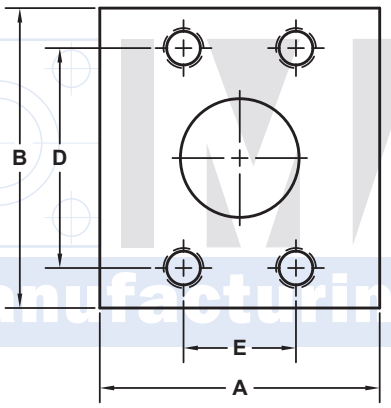
SAE BOLT PATTERN						62 SERIES TO 62 SERIES				
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	J	WT
½	½	6342-08-08D	2.25	2.25	1.00	1.594	.718	.50	5/16-18	1.3
¾	¾	6342-12-12D	3.00	3.00	1.00	2.000	.937	.75	3/8-16	2.3
1	1	6342-16-16D	3.25	3.25	1.25	2.250	1.093	1.00	7/16-14	3.2
1¼	1¼	6342-20-20D	3.75	3.75	1.25	2.625	1.250	1.25	1/2-13	4.2
1½	1½	6342-24-24D	4.50	4.50	1.75	3.125	1.437	1.50	5/8-11	8.3
2	2	6342-32-32D	5.25	5.25	1.75	3.812	1.750	1.94	3/4-10	10.9

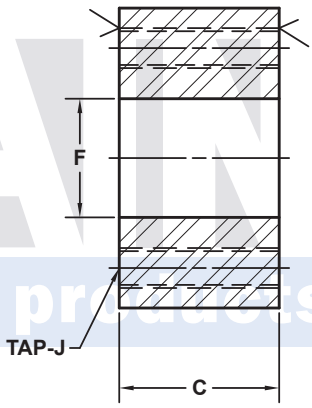
② 2500 PSI Max ③ 2000 PSI Max

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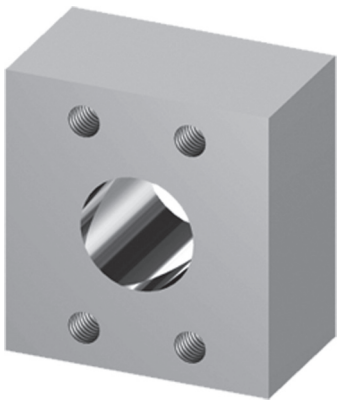
CONNECTOR BLOCKS

SAE BOLT PATTERN						61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	WT
½	NA	6304-08-08D	2.00	2.12	1.75	1.500	.688	.50	5/16-18	1.8
¾	NA	6304-12-12D	2.00	2.62	1.75	1.875	.875	.75	3/8-16	2.1
1	NA	6304-16-16D	2.25	2.75	1.75	2.062	1.031	1.00	3/8-16	2.4
1¼	NA	6304-20-20D	3.00	3.19	2.00	2.312	1.188	1.25	7/16-14	4.4
1½	NA	6304-24-24D	3.50	3.75	2.25	2.750	1.406	1.50	1/2-13	5.9
2	NA	6304-32-32D	3.88	4.00	2.25	3.062	1.688	1.94	1/2-13	6.6
2½②	NA	6304-40-40D	4.38	4.50	2.25	3.500	2.000	2.44	1/2-13	9.1
3③	NA	6304-48-48D	5.00	5.31	2.50	4.188	2.438	2.94	5/8-11	11.9





MATERIAL:
316L Stainless



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SAE BOLT PATTERN						62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	WT
½	NA	6306-08-08D	2.00	2.22	1.75	1.594	.718	.50	5/16-18	1.9
¾	NA	6306-12-12D	2.50	2.81	2.00	2.000	.937	.75	3/8-16	3.4
1	NA	6306-16-16D	2.75	3.19	2.00	2.250	1.093	1.00	7/16-14	4.2
1¼	NA	6306-20-20D	3.00	3.75	2.00	2.625	1.250	1.25	1/2-13	5.2
1½	NA	6306-24-24D	3.88	4.50	2.88	3.125	1.437	1.50	5/8-11	12.1
2	NA	6306-32-32D	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

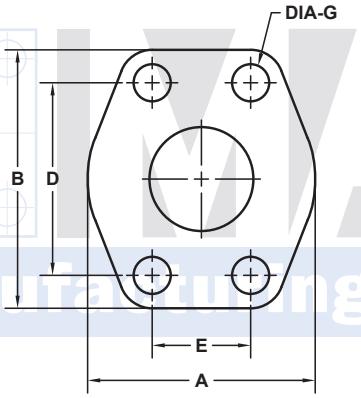
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CONNECTOR PLATES

SAE BOLT PATTERN						61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
½	NA	6211-08-08	1.81	2.12	.06	1.500	.688	.50	.34	
¾	NA	6211-12-12	2.06	2.56	.06	1.875	.875	.75	.41	
1	NA	6211-16-16	2.31	2.75	.06	2.062	1.031	1.00	.41	
1¼	NA	6211-20-20	2.88	3.12	.06	2.312	1.188	1.25	.47	
1½	NA	6211-24-24	3.25	3.69	.06	2.750	1.406	1.50	.53	
2	NA	6211-32-32	3.81	4.00	.06	3.062	1.688	2.00	.53	
2½	NA	6211-40-40	4.12	4.44	.06	3.500	2.000	2.50	.53	
3	NA	6211-48-48	5.16	5.31	.06	4.188	2.438	3.00	.66	

MATERIAL:
Stainless





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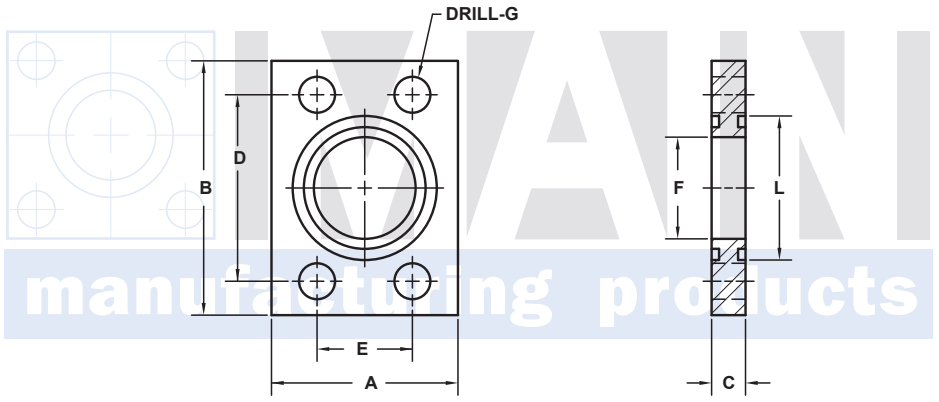
SAE BOLT PATTERN						62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
¾	NA	6212-12-12	2.38	2.81	.06	2.000	.937	.75	.41	
1	NA	6212-16-16	2.75	3.19	.06	2.250	1.093	1.00	.47	
1¼	NA	6212-20-20	3.06	3.75	.06	2.625	1.250	1.25	.53	
1½	NA	6212-24-24	3.75	4.44	.06	3.125	1.437	1.50	.66	
2	NA	6212-32-32	4.50	5.25	.06	3.812	1.750	2.00	.78	

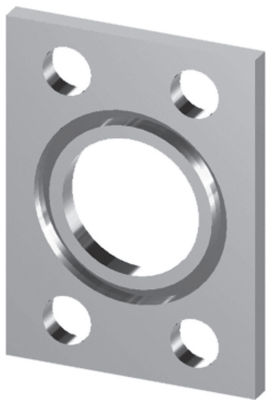
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DOUBLE O-RING ADAPTERS

SAE BOLT PATTERN								61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6275-08-08D	1.50	2.12	.50	1.500	.688	.50	.34	1.000	210	.3
¾	NA	6275-12-12D	1.75	2.62	.50	1.875	.875	.75	.41	1.250	214	.5
1	NA	6275-16-16D	2.00	2.82	.50	2.062	1.031	1.00	.41	1.562	219	.6
1¼	NA	6275-20-20D	2.50	3.19	.50	2.312	1.188	1.25	.47	1.750	222	.8
1½	NA	6275-24-24D	2.75	3.75	.50	2.750	1.406	1.50	.53	2.125	225	1.0
2	NA	6275-32-32D	3.25	4.00	.50	3.062	1.688	1.94	.53	2.500	228	1.2
2½	NA	6275-40-40D	4.00	4.50	.50	3.500	2.000	2.44	.53	3.000	232	1.7
3	NA	6275-48-48D	4.50	5.31	.50	4.188	2.438	2.94	.66	3.625	237	2.1

MATERIAL:
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SAE BOLT PATTERN								62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	L	O-RING①	WT
½	NA	6276-08-08D	1.75	2.22	.50	1.594	.718	.50	.34	1.000	210	.4
¾	NA	6276-12-12D	2.00	2.81	.50	2.000	.937	.75	.41	1.250	214	.6
1	NA	6276-16-16D	2.25	3.19	.50	2.250	1.093	1.00	.47	1.562	219	.8
1¼	NA	6276-20-20D	2.75	3.75	.50	2.625	1.250	1.25	.53	1.750	222	1.1
1½	NA	6276-24-24D	3.25	4.50	.50	3.125	1.437	1.50	.66	2.125	225	1.6
2	NA	6276-32-32D	4.00	5.25	.50	3.812	1.750	1.94	.78	2.500	228	2.2

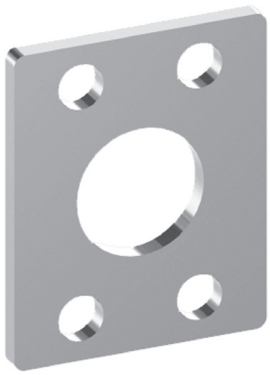
① Includes 2 Buna-N O-Rings

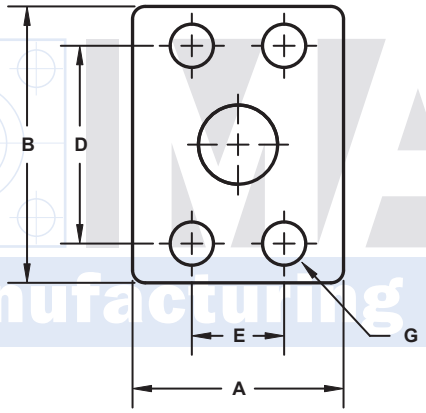
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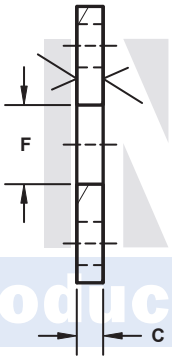
'MAIN' 1/4" THICK CONNECTOR PLATES

SAE BOLT PATTERN						61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
½	NA	6321-08-08D	1.75	2.12	.25	1.500	.688	.50	.34	
¾	NA	6321-12-12D	2.00	2.62	.25	1.875	.875	.75	.41	
1	NA	6321-16-16D	2.25	2.82	.25	2.062	1.031	1.00	.41	
1¼	NA	6321-20-20D	2.75	3.19	.25	2.312	1.188	1.25	.47	
1½	NA	6321-24-24D	3.00	3.75	.25	2.750	1.406	1.50	.53	
2	NA	6321-32-32D	3.50	4.00	.25	3.062	1.688	1.94	.53	
2½	NA	6321-40-40D	4.25	4.50	.25	3.500	2.000	2.44	.53	
3	NA	6321-48-48D	4.75	5.31	.25	4.188	2.438	2.94	.66	

MATERIAL:
316L Stainless







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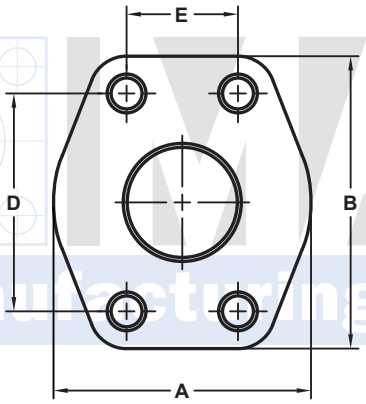
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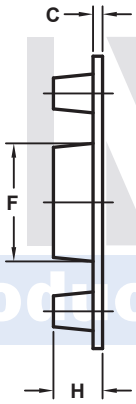
SAE BOLT PATTERN						62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	
½	NA	6322-08-08D	2.00	2.22	.25	1.594	.718	.50	.34	
¾	NA	6322-12-12D	2.25	2.81	.25	2.000	.937	.75	.41	
1	NA	6322-16-16D	2.50	3.19	.25	2.250	1.093	1.00	.47	
1¼	NA	6322-20-20D	3.00	3.75	.25	2.625	1.250	1.25	.53	
1½	NA	6322-24-24D	3.50	4.50	.25	3.125	1.437	1.50	.66	
2	NA	6322-32-32D	4.25	5.25	.25	3.812	1.750	1.94	.78	

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PLASTIC COVERS

SAE BOLT PATTERN						61 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	H	
½	NA	1213-08-08	1.81	2.12	.06	1.500	.688	.50	.60	
¾	NA	1213-12-12	2.06	2.56	.06	1.875	.875	.75	.60	
1	NA	1213-16-16	2.31	2.75	.06	2.062	1.031	1.00	.60	
1¼	NA	1213-20-20	2.88	3.12	.06	2.312	1.188	1.25	.60	
1½	NA	1213-24-24	3.25	3.69	.06	2.750	1.406	1.50	.60	
2	NA	1213-32-32	3.81	4.00	.06	3.062	1.688	2.00	.60	
2½	NA	1213-40-40	4.12	4.44	.06	3.500	2.000	2.50	.60	
3	NA	1213-48-48	5.16	5.31	.06	4.188	2.438	3.00	.60	







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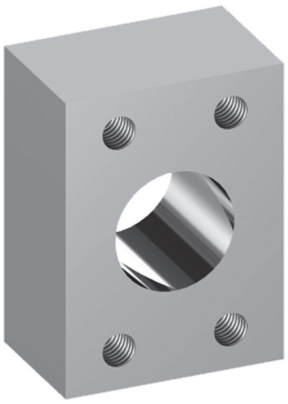
SAE BOLT PATTERN						62 SERIES				
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	H	
½	NA	1214-08-08	1.88	2.22	.06	1.594	.718	.50	.60	
¾	NA	1214-12-12	2.38	2.81	.06	2.000	.937	.75	.60	
1	NA	1214-16-16	2.75	3.19	.06	2.250	1.093	1.00	.60	
1¼	NA	1214-20-20	3.06	3.75	.06	2.625	1.250	1.25	.60	
1½	NA	1214-24-24	3.75	4.44	.06	3.125	1.437	1.50	.60	
2	NA	1214-32-32	4.50	5.25	.06	3.812	1.750	2.00	.60	

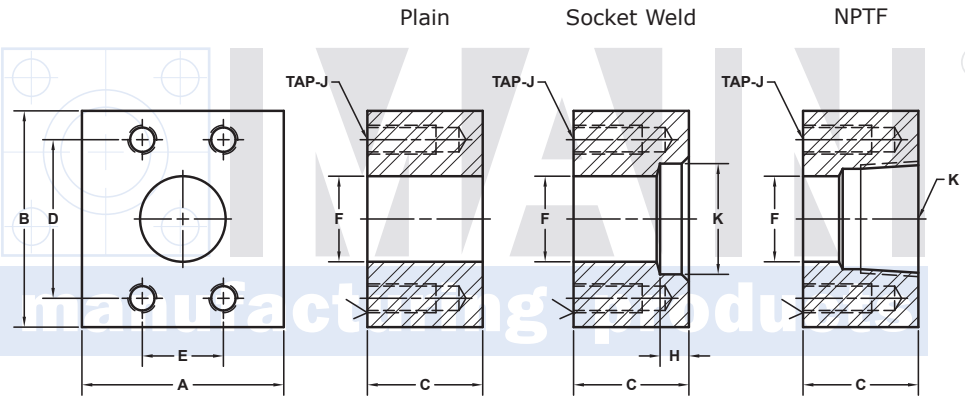
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RESERVOIR ADAPTERS

SAE BOLT PATTERN 61 SERIES												
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	H	K	WT
½	½	6209-08-08D	1.50	2.12	1.50	1.500	.688	.50	5/16-18	NA	NA	1.2
		6563-08-08D								.38	.860	1.2
		6565-08-08D								NA	1/2" NPTF	1.2
¾	¾	6209-12-12D	1.75	2.62	1.50	1.875	.875	.75	3/8-16	NA	NA	1.7
		6563-12-12D								.50	1.070	1.6
		6565-12-12D								NA	3/4" NPTF	1.6
1	1	6209-16-16D	2.00	2.82	1.50	2.062	1.031	1.00	3/8-16	NA	NA	2.0
		6563-16-16D								.50	1.335	1.9
		6565-16-16D								NA	1" NPTF	1.9
1¼	1¼	6209-20-20D	2.50	3.19	1.75	2.312	1.188	1.25	7/16-14	NA	NA	3.2
		6563-20-20D								.50	1.680	3.0
		6565-20-20D								NA	1 1/4" NPTF	3.0
1½	1½	6209-24-24D	2.75	3.75	1.75	2.750	1.406	1.50	1/2-13	NA	NA	4.0
		6563-24-24D								.50	1.920	3.8
		6565-24-24D								NA	1 1/2" NPTF	3.8
2	2	6209-32-32D	3.25	4.00	1.75	3.062	1.688	1.94	1/2-13	NA	NA	4.8
		6563-32-32D								.62	2.411	4.4
		6565-32-32D								NA	2" NPTF	4.4
2½②	2½	6209-40-40D	4.00	4.50	2.00	3.500	2.000	2.44	1/2-13	NA	NA	7.3
		6563-40-40D								.75	2.911	6.8
		6565-40-40D								NA	2 1/2" NPTF	7.0
3③	3	6209-48-48D	4.50	5.31	2.25	4.188	2.438	2.94	5/8-11	NA	NA	10.5
		6563-48-48D								.75	3.540	9.8
		6565-48-48D								NA	3" NPTF	9.7

MATERIAL:
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SAE BOLT PATTERN 62 SERIES												
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	J	H	K	WT
½	½	6210-08-08D	1.75	2.22	1.50	1.594	.718	.50	5/16-18	NA	NA	1.5
		6564-08-08D								.50	.860	1.4
		6566-08-08D								NA	1/2" NPTF	1.5
¾	¾	6210-12-12D	2.00	2.81	1.75	2.000	.937	.75	3/8-16	NA	NA	2.5
		6564-12-12D								.50	1.070	2.4
		6566-12-12D								NA	3/4" NPTF	2.4
1	1	6210-16-16D	2.25	3.19	1.75	2.250	1.093	1.00	7/16-14	NA	NA	3.0
		6564-16-16D								.50	1.335	2.9
		6566-16-16D								NA	1" NPTF	2.9
1¼	1¼	6210-20-20D	2.75	3.75	1.75	2.625	1.250	1.25	1/2-13	NA	NA	4.3
		6564-20-20D								.50	1.680	4.1
		6566-20-20D								NA	1 1/4" NPTF	4.1
1½	1½	6210-24-24D	3.25	4.50	2.25	3.125	1.437	1.50	5/8-11	NA	NA	7.8
		6564-24-24D								.50	1.920	7.6
		6566-24-24D								NA	1 1/2" NPTF	7.5
2	2	6210-32-32D	4.00	5.25	2.50	3.812	1.750	1.94	3/4-10	NA	NA	12.0
		6564-32-32D								.62	2.411	11.7
		6566-32-32D								NA	2" NPTF	11.7

② 2500 PSI Max ③ 2000 PSI Max

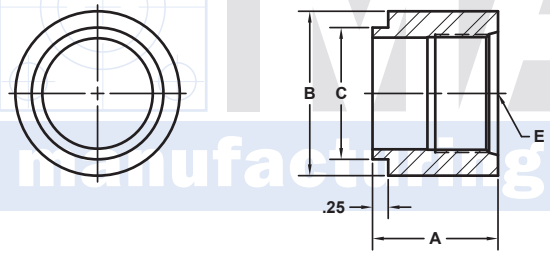
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TANK PORT ADAPTERS

SAE J1926 (ORB) TANK PORT						
ORB	PART NUMBER	A	B	C	E	WT
-4	6220-04-04D	1.25	1.00	.73	7/16 - 20	.2
-6	6220-06-06D	1.38	1.12	.73	9/16 - 18	.3
-8	6220-08-08D	1.50	1.25	.86	3/4 - 16	.3
-10	6220-10-10D	1.75	1.50	.98	7/8 - 14	.6
-12	6220-12-12D	2.00	1.75	1.23	1 1/16 - 12	.9
-14	6220-14-14D	2.00	1.88	1.36	1 3/16 - 12	.9
-16	6220-16-16D	2.00	2.00	1.48	1 5/16 - 12	1.0
-20	6220-20-20D	2.00	2.38	1.86	1 5/8 - 12	1.3
-24	6220-24-24D	2.00	2.62	2.10	1 7/8 - 12	1.5
-32	6220-32-32D	2.00	3.50	2.98	2 1/2 - 12	2.6

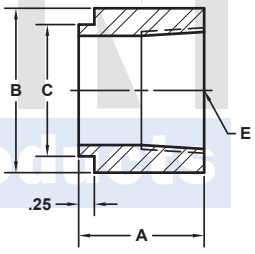
MATERIAL:
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ORB
(ST THD)

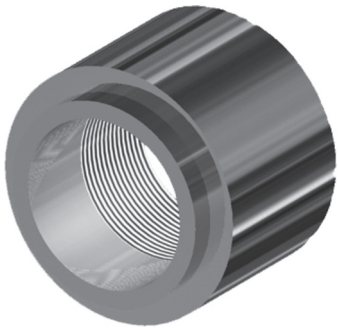


Model 6220

NPTF



Model 6219



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NPTF TANK PORT						
SIZE	PART NUMBER	A	B	C	E NPTF	WT
1/4	6219-04-04D	1.25	1.00	.73	1/4	.2
3/8	6219-06-06D	1.38	1.12	.73	3/8	.3
1/2	6219-08-08D	1.50	1.25	.86	1/2	.3
3/4	6219-12-12D	2.00	1.75	1.23	3/4	.8
1	6219-16-16D	2.00	2.00	1.48	1	1.1
1 1/4	6219-20-20D	2.00	2.38	1.86	1 1/4	1.3
1 1/2	6219-24-24D	2.00	2.62	2.10	1 1/2	1.6
2	6219-32-32D	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.

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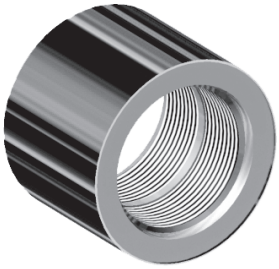
'MAIN' COUPLINGS

NPTF x NPTF

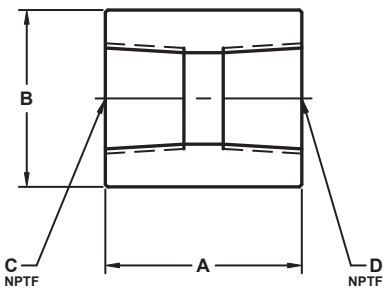
SIZE (C)	SIZE (D)	PART NUMBER	A	B	C NPTF	D NPTF	WT
1/4	1/4	6265-04-04D	1.50	1.00	1/4	1/4	.3
3/8	3/8	6265-06-06D	1.75	1.25	3/8	3/8	.5
1/2	1/2	6265-08-08D	2.00	1.50	1/2	1/2	.4
3/4	3/4	6265-12-12D	2.25	1.75	3/4	3/4	1.1
1	1	6265-16-16D	2.50	2.25	1	1	2.1
1 1/4	1 1/4	6265-20-20D	2.50	2.50	1 1/4	1 1/4	2.2
1 1/2	1 1/2	6265-24-24D	2.50	3.00	1 1/2	1 1/2	3.3
2	2	6265-32-32D	3.00	3.62	2	2	5.4

SAE ORB x SAE ORB

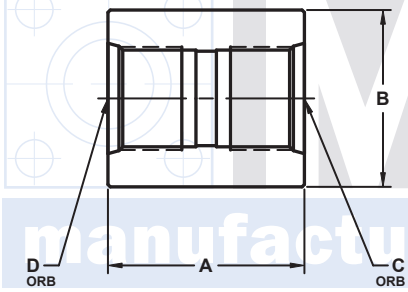
SIZE (C)	SIZE (D)	PART NUMBER	A	B	C ORB	D ORB	WT
-4	-4	6266-04-04D	1.25	1.00	7/16-20	7/16-20	.3
-6	-6	6266-06-06D	1.38	1.12	9/16-18	9/16-18	.4
-8	-8	6266-08-08D	1.50	1.25	3/4-16	3/4-16	.5
-10	-10	6266-10-10D	1.75	1.50	7/8-14	7/8-14	.7
-12	-8	6266-12-08D	2.25	1.75	1 1/16-12	3/4-16	1.3
-12	-12	6266-12-12D	2.00	1.75	1 1/16-12	1 1/16-12	1.0
-14	-14	6266-14-14D	2.00	1.88	1 3/16-12	1 3/16-12	1.1
-16	-16	6266-16-16D	2.00	2.00	1 5/16-12	1 5/16-12	1.2
-20	-20	6266-20-20D	2.00	2.38	1 5/8-12	1 5/8-12	1.5
-24	-24	6266-24-24D	2.00	2.62	1 7/8-12	1 7/8-12	1.7
-32	-32	6266-32-32D	2.00	3.50	2 1/2-12	2 1/2-12	2.9



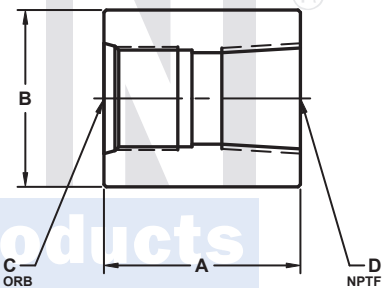
MATERIAL:
316L Stainless



Model 6265



Model 6266



Model 6267

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SAE ORB x NPTF

SIZE (C)	SIZE (D)	PART NUMBER	A	B	C ORB	D NPTF	WT
-4	1/4	6267-04-04D	1.25	1.00	7/16-20	1/4	.3
-8	1/2	6267-08-08D	2.00	1.50	3/4-16	1/2	.9
-12	1/2	6267-12-08D	2.25	1.75	1 1/16-12	1/2	1.3
-12	3/4	6267-12-12D	2.25	1.75	1 1/16-12	3/4	1.2
-12	1	6267-12-16D	2.50	2.25	1 1/16-12	1	2.2
-16	1	6267-16-16D	2.50	2.25	1 5/16-12	1	2.1
-20	1 1/4	6267-20-20D	2.50	2.50	1 5/8-12	1 1/4	2.2
-24	1 1/2	6267-24-24D	2.50	3.00	1 7/8-12	1 1/2	3.3
-32	2	6267-32-32D	3.00	3.62	2 1/2-12	2	5.3

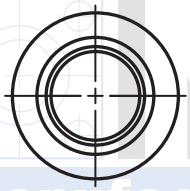
NOTE: The pressure rating of the assembly should not exceed the lower of the flange pad or the fitting. Check the fitting manufacturer for details.

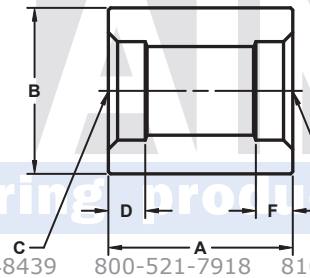
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'MAIN' COUPLINGS

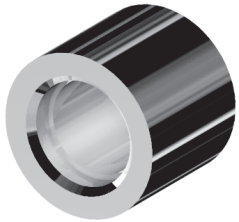
SOCKET WELD PIPE x SOCKET WELD PIPE

SIZE (C)	SIZE (E)	PART NUMBER	A	B	C PIPE	D	E PIPE	F	WT
1/2	1/2	6268-08-08D	2.00	1.50	.860	.38	.860	.38	.8
3/4	3/4	6268-12-12D	2.00	1.75	1.070	.50	1.070	.50	1.0
1	1	6268-16-16D	2.00	2.25	1.335	.50	1.335	.50	1.6
1 1/4	1	6268-20-16D	2.00	2.50	1.680	.50	1.335	.50	2.0
1 1/4	1 1/4	6268-20-20D	2.00	2.50	1.680	.50	1.680	.50	1.8
1 1/2	1 1/4	6268-24-20D	2.00	3.00	1.920	.50	1.680	.50	2.9
1 1/2	1 1/2	6268-24-24D	2.50	3.00	1.920	.50	1.920	.50	3.4
2	2	6268-32-32D	2.50	3.62	2.411	.62	2.411	.62	4.6





MATERIAL:
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SOCKET WELD TUBE x SOCKET WELD TUBE

SIZE (C)	SIZE (E)	PART NUMBER	A	B	C TUBE	D	E TUBE	F	WT
1/2	1/2	6269-08-08D	1.00	1.25	.510	.38	.510	.38	.3
5/8	5/8	6269-10-10D	1.00	1.25	.635	.38	.635	.38	.3
3/4	3/4	6269-12-12D	1.50	1.50	.760	.38	.760	.38	.6
1	1	6269-16-16D	2.00	1.75	1.010	.50	1.010	.50	1.1
1 1/4	1	6269-20-16D	2.00	2.25	1.260	.50	1.010	.50	1.9
1 1/4	1 1/4	6269-20-20D	2.00	2.25	1.260	.50	1.260	.50	1.8
1 1/2	1 1/2	6269-24-24D	2.00	2.50	1.510	.50	1.510	.50	2.0
2	2	6269-32-32D	2.50	3.00	2.010	.50	2.010	.50	3.7

SOCKET WELD PIPE x SOCKET WELD TUBE

SIZE (C)	SIZE (E)	PART NUMBER	A	B	C PIPE	D	E TUBE	F	WT
3/4	1/2	6270-12-08D	2.00	1.75	1.070	.50	.510	.50	1.2
1	1	6270-16-16D	2.00	2.25	1.335	.50	1.010	.50	1.8
1 1/4	1 1/4	6270-20-20D	2.00	2.50	1.680	.50	1.260	.50	2.0
1 1/2	1 1/2	6270-24-24D	2.50	3.00	1.920	.50	1.510	.50	3.7
1 1/2	2	6270-24-32D	2.50	3.00	1.920	.50	2.010	.50	3.4

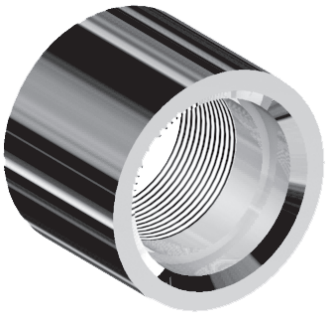
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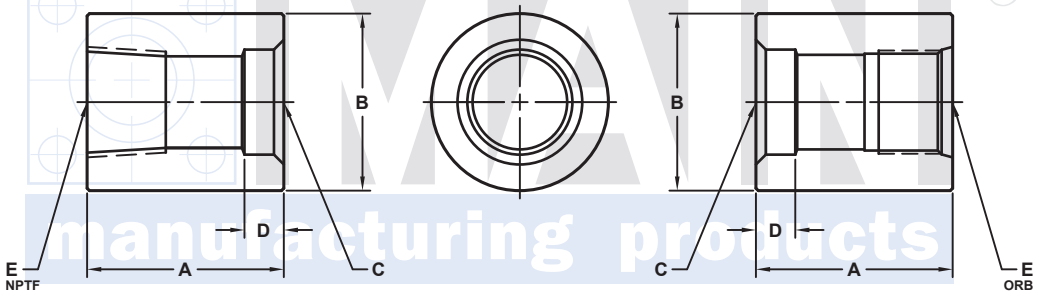
'MAIN' COUPLINGS

SOCKET WELD PIPE x NPTF

SIZE (C)	SIZE (E)	PART NUMBER	A	B	C	D	E NPTF	WT
½	½	6271-08-08D	2.00	1.50	.860	.38	1/2	.8
¾	¾	6271-12-12D	2.25	1.75	1.070	.50	3/4	1.1
1	1	6271-16-16D	2.50	2.25	1.335	.50	1	2.0
1¼	1	6271-20-16D	2.00	2.50	1.680	.50	1	2.0
1¼	1¼	6271-20-20D	2.50	2.50	1.680	.50	1 1/4	2.2
1½	1½	6271-24-24D	2.50	3.00	1.920	.50	1 1/2	3.2
1½	2	6271-24-32D	3.00	3.62	1.920	.50	2	6.2
2	2	6271-32-32D	3.00	3.62	2.411	.62	2	5.5

MATERIAL:
316L Stainless





Model 6271 Model 6273

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SOCKET WELD PIPE x SAE ORB

SIZE (C)	SIZE (E)	PART NUMBER	A	B	C	D	E ORB	WT
½	-8	6273-08-08D	2.00	1.50	.860	.38	3/4-16	.8
¾	-12	6273-12-12D	2.25	1.75	1.070	.50	1 1/16-12	1.0
1	-12	6273-16-12D	2.50	2.25	1.335	.50	1 1/16-12	1.9
1	-16	6273-16-16D	2.50	2.25	1.335	.50	1 5/16-12	1.9
1	-20	6273-16-20D	2.50	2.50	1.335	.50	1 5/8-12	2.4
1¼	-20	6273-20-20D	2.50	2.50	1.680	.50	1 5/8-12	2.1
1½	-24	6273-24-24D	2.50	3.00	1.920	.50	1 7/8-12	3.1
2	-32	6273-32-32D	3.00	3.62	2.411	.62	2 1/2-12	5.3

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.

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SOCKET WELD PIPE IN-LINE FLANGES

Flat Face with Clearance Bolt Holes

SAE BOLT PATTERN — **61 SERIES**

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6324-08-08D	1.50	2.12	.75	1.500	.688	.50	.34	.38	.860	---	---	---	.5
¾	¾	6324-12-12D	1.75	2.62	1.00	1.875	.875	.75	.41	.50	1.070	---	---	---	1.0
1	1	6324-16-16D	2.00	2.82	1.00	2.062	1.031	1.00	.41	.50	1.335	---	---	---	1.2
1¼	1¼	6324-20-20D	2.50	3.19	1.00	2.312	1.188	1.25	.47	.50	1.680	---	---	---	1.5
1½	1½	6324-24-24D	2.75	3.75	1.25	2.750	1.406	1.50	.53	.50	1.920	---	---	---	2.5
2	2	6324-32-32D	3.25	4.00	1.50	3.062	1.688	1.94	.53	.62	2.411	---	---	---	3.6
2½②	2½	6324-40-40D	4.00	4.50	1.75	3.500	2.000	2.44	.53	.75	2.911	---	---	---	5.7
3③	3	6324-48-48D	4.50	5.31	2.00	4.188	2.438	2.94	.66	.75	3.540	---	---	---	8.3
3½④	3½	6324-56-56D	5.00	6.00	1.50	4.750	2.750	3.44	.66	.75	4.045	---	---	---	7.5
4④	4	6324-64-64D	5.50	6.38	1.50	5.125	3.062	3.94	.66	.75	4.550	---	---	---	8.3
5④	5	6324-80-80D	7.00	7.25	2.00	6.000	3.625	4.94	.66	.75	5.635	---	---	---	16.0

MATERIAL:
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SAE BOLT PATTERN — **62 SERIES**

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6326-08-08D	1.75	2.22	1.00	1.594	.718	.50	.34	.50	.860	---	---	---	.8
¾	¾	6326-12-12D	2.00	2.81	1.00	2.000	.937	.75	.41	.50	1.070	---	---	---	1.3
1	1	6326-16-16D	2.25	3.19	1.00	2.250	1.093	1.00	.47	.50	1.335	---	---	---	1.5
1¼	1¼	6326-20-20D	2.75	3.75	1.25	2.625	1.250	1.25	.53	.50	1.680	---	---	---	2.7
1½	1½	6326-24-24D	3.25	4.50	1.50	3.125	1.437	1.50	.66	.50	1.920	---	---	---	4.8
2	2	6326-32-32D	4.00	5.25	1.75	3.812	1.750	1.94	.78	.62	2.411	---	---	---	7.8
2½	2½	6326-40-40D	5.00	6.88	2.00	4.875	2.312	2.44	.94	.62	2.911	---	---	---	15.2
3	3	6326-48-48D	6.00	8.50	2.50	6.000	2.812	2.94	1.19	.62	3.540	---	---	---	28.0

① Not Applicable ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

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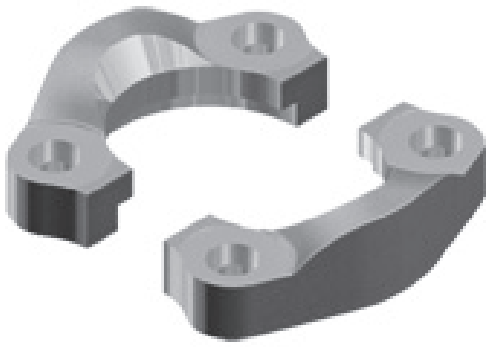
SPLIT FLANGES

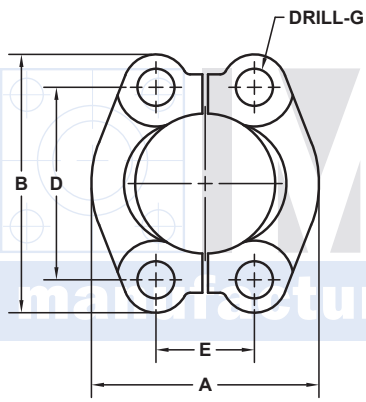
SAE J518 61 SERIES / ISO 6162-1 PATTERN (J518 61 SERIES METRIC)

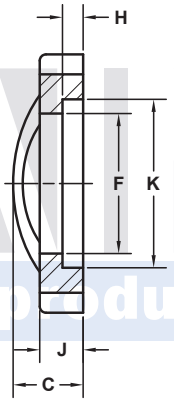
FLANGE SIZE		PART ⑥ NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
½	13	6319-08-08 6319-08-08M8	1.81	2.12	.75	1.500	.688	.955	.34 [8.5]	.245	.50	1.219	MK 701 MKM 764	5/16-18 x 1 1/4 M8 x 25	210
¾	19	6319-12-12 6319-12-12M10	2.05	2.56	.88	1.875	.875	1.265	.41 [11.0]	.245	.56	1.531	MK 1743 MKM 1743	3/8-16 x 1 1/4 M10 x 30	214
1	25	6319-16-16 6319-16-16M10	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
1¼	32	6319-20-20 6319-20-20M10 6319-20-20M12*	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
1½	38	6319-24-24 6319-24-24M12 6319-24-24M14*	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	6319-32-32 6319-32-32M12 6319-32-32M14*	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
2½②	64	6319-40-40 6319-40-40M12 6319-40-40M14*	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
3③	76	6319-48-48 6319-48-48M16	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
3½④	89	6319-56-56 6319-56-56M16	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
4④	102	6319-64-64 6319-64-64M16	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

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

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







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

FLANGE SIZE		PART ⑥ NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
½	13	6320-08-08 6320-08-08M8	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
¾	19	6320-12-12 6320-12-12M10	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	6320-16-16 6320-16-16M12	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
1¼	32	6320-20-20 6320-20-20M12 6320-20-20M14*	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
1½	38	6320-24-24 6320-24-24M16	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	6320-32-32 6320-32-32M20	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

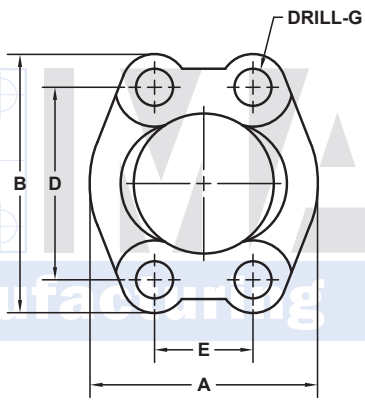
With Clearance Bolt Holes

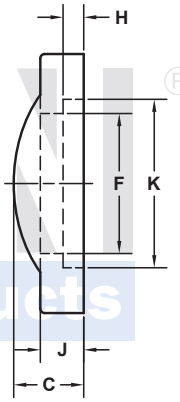
SAE J518 61 SERIES / ISO 6162-1 PATTERN (J518 61 SERIES METRIC)

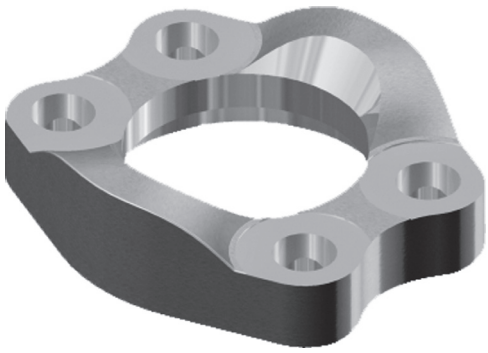
FLANGE SIZE		PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ①		
													PART NO.	SCREW SIZE	O-RING
½	13	6221-08-08 6221-08-08M8	1.81	2.12	.75	1.500	.688	.955	.34 [8.5]	.245	.50	1.219	MK 701 MKM 764	5/16-18 x 1 1/4 M8 x 25	210
¾	19	6221-12-12 6221-12-12M10	2.05	2.56	.88	1.875	.875	1.265	.41 [11.0]	.245	.56	1.531	MK 1743 MKM 1743	3/8-16 x 1 1/4 M10 x 30	214
1	25	6221-16-16 6221-16-16M10	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
1¼	32	6221-20-20 6221-20-20M10 6221-20-20M12*	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
1½	38	6221-24-24 6221-24-24M12 6221-24-24M14*	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	6221-32-32 6221-32-32M12 6221-32-32M14*	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
2½②	64	6221-40-40 6221-40-40M12 6221-40-40M14*	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
3③	76	6221-48-48 6221-48-48M16	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
3½④	89	6221-56-56 6221-56-56M16	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
4④	102	6221-64-64 6221-64-64M16	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

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

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







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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
½	13	6223-08-08 6223-08-08M8	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
¾	19	6223-12-12 6223-12-12M10	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	6223-16-16 6223-16-16M12	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
1¼	32	6223-20-20 6223-20-20M12 6223-20-20M14*	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
1½	38	6223-24-24 6223-24-24M16	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	6223-32-32 6223-32-32M20	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

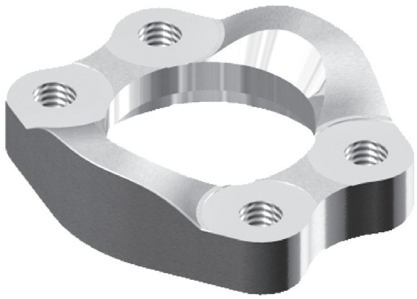
NOTE: ALL Dimensions are in Inches. Metric Equivalents are in [].

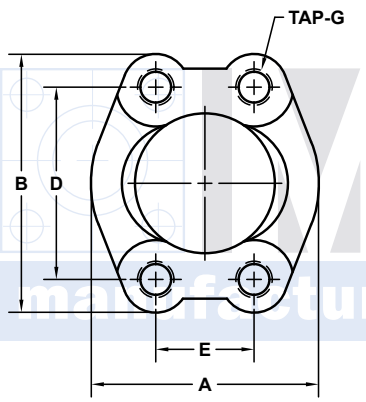
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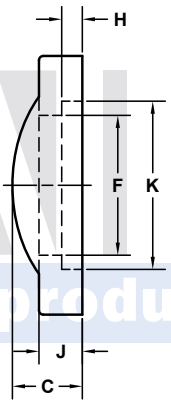
FLANGED CLAMPS

With Tapped Bolt Holes

SAE BOLT PATTERN 61 SERIES												
FLANGE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	J	K	WT
½	6222-08-08	1.81	2.12	.75	1.500	.688	.955	5/16 - 18	.245	.50	1.219	.3
¾	6222-12-12	2.05	2.56	.88	1.875	.875	1.265	3/8 - 16	.245	.56	1.531	.4
1	6222-16-16	2.31	2.75	.94	2.062	1.031	1.515	3/8 - 16	.295	.62	1.781	.5
1¼	6222-20-20	2.88	3.12	.88	2.312	1.188	1.720	7/16 - 14	.295	.56	2.031	.8
1½	6222-24-24	3.25	3.69	1.00	2.750	1.406	2.000	1/2 - 13	.295	.62	2.406	.9
2	6222-32-32	3.81	4.00	1.03	3.062	1.688	2.470	1/2 - 13	.355	.62	2.844	1.2
2½①	6222-40-40	4.28	4.50	1.50	3.500	2.000	2.950	1/2 - 13	.355	.75	3.344	1.9
3②	6222-48-48	5.16	5.31	1.62	4.188	2.438	3.580	5/8 - 11	.355	.88	4.031	2.9
3½③	6222-56-56	5.50	6.00	1.12	4.750	2.750	4.030	5/8 - 11	.422	.88	4.531	3.4
4③	6222-64-64	6.00	6.38	1.38	5.125	3.062	4.530	5/8 - 11	.422	1.00	5.031	3.9







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SAE BOLT PATTERN 62 SERIES												
FLANGE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	J	K	WT
½	6224-08-08	1.88	2.22	.88	1.594	.718	.970	5/16 - 18	1.000	.62	1.281	.4
¾	6224-12-12	2.38	2.81	1.12	2.000	.937	1.280	3/8 - 16	1.250	.75	1.656	.8
1	6224-16-16	2.75	3.19	1.31	2.250	1.093	1.530	7/16 - 14	1.562	.94	1.906	1.2
1¼	6224-20-20	3.06	3.75	1.50	2.625	1.250	1.750	1/2 - 13	1.750	1.06	2.156	1.8
1½	6224-24-24	3.75	4.44	1.69	3.125	1.437	2.030	5/8 - 11	2.125	1.19	2.531	3.0
2	6224-32-32	4.50	5.25	2.06	3.812	1.750	2.660	3/4 - 10	2.500	1.44	3.156	4.7

① 2500 PSI Max ② 2000 PSI Max ③ 500 PSI Max

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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.

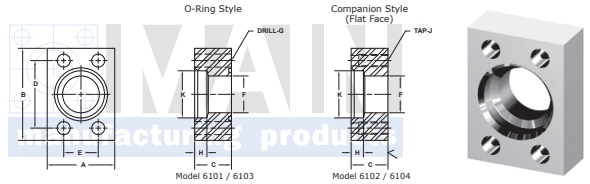
SAE PATTERN METRIC SCREW SIZES

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 / ISO6162-1 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① 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	2.750	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 1/2②	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
3③	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 1/2④	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	4.045	MKM 509 ---------	M16 x 65 ---------	241 ---	7.5
4④	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
5④	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 / ISO6162-2 PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1/2	1/2	1103-08-08M8 1104-08-08M8	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 1104-12-12M10	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 1104-16-16M12	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‡ 1104-20-20M12‡	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 1104-24-24M16	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	1103-32-32M20 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 1104-40-40M24	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	1103-48-48M30 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

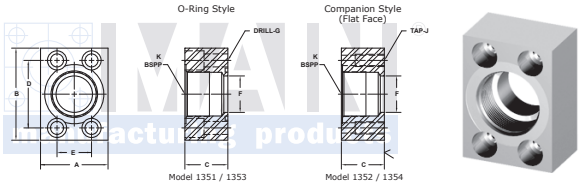
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

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	A	B	C	D	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
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	1351-20-20M10† 1352-20-20M10†	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 ---	4.5
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 1/2②	-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	A	B	C	D	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1/2	-8	1353-08-08M8 1354-08-08M8	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
3/4	-8	1353-12-08M10 1354-12-08M10	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
3/4	-12	1353-12-12M10 1354-12-12M10	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
1	-12	1353-16-12M12 1354-16-12M12	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	-16	1353-16-16M12 1354-16-16M12	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
1 1/4	-20	1353-20-20M12‡ 1354-20-20M12‡	3.00	3.75	1.50	2.625	1.250	1.25	13.0 M12x1.75	1 1/4-11	MKM 567 ---------	M12 x 35 ---------	222 ---	3.4
1 1/2	-24	1353-24-24M16 1354-24-24M16	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 ---	4.9
2	-32	1353-32-32M20 1354-32-32M20	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

① Order Separately ② 2500 PSI Max

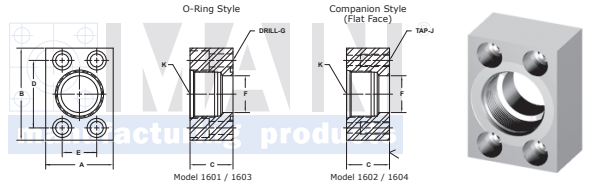
NOTE: The Pressure Rating of the Assembly Should NOT Exceed the Lower of the Flange Pad or the Fitting. Check the Fitting Manufacturer for Details.

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 / ISO6162-1 PATTERN

FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① 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	1601-20-20M10† 1602-20-20M10†	2.50	3.19	1.50	2.312	1.188	1.25	10.5 M10x1.5	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	1.77	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 1/2②	-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 / ISO6162-2 PATTERN

FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
1/2	-8	1603-08-08M8 1604-08-08M8	1.75	2.22	1.25	1.594	.718	.50	8.5 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	10.5 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	10.5 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 M12x1.75	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 M12x1.75	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 M12x1.75	M42 x 2	MKM 567 ---------	M12 x 35 ---------	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 M16x2	M48 x 2	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 M20x2.5	M60 x 2	MKM 563 ---------	M20 x 45 ---------	228 ---	7.5

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.

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

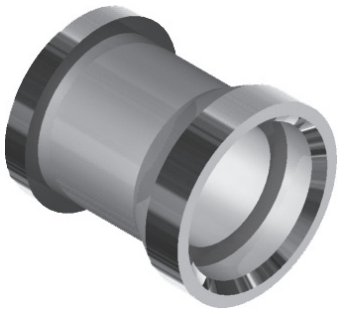
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SOCKET WELD PIPE FLANGED HEADS

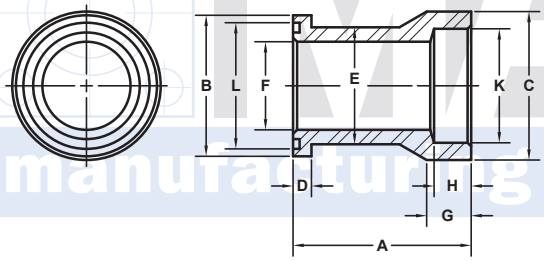
61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	L	O-RING NO.①	WT
½	½	6233-08-08D	2.12	1.188	1.31	.265	.92	.50	.50	.50	.860	1.000	210	
		6234-08-08D										---	---	
¾	¾	6233-12-12D	2.25	1.500	1.62	.265	1.23	.75	.50	.50	1.070	1.250	214	
		6234-12-12D										---	---	
1	1	6233-16-16D	2.25	1.750	1.88	.315	1.48	1.00	.50	.50	1.335	1.562	219	
		6234-16-16D										---	---	
1¼	1¼	6233-20-20D	2.62	2.000	2.12	.315	1.69	1.25	.50	.50	1.680	1.750	222	
		6234-20-20D										---	---	
1½	1½	6233-24-24D	2.75	2.375	2.50	.315	1.97	1.50	.50	.50	1.920	2.125	225	
		6234-24-24D										---	---	
1½	2	6233-24-32D	4.00	2.375	3.00	.315	1.97	1.50	1.00	.62	2.411	2.125	225	
		6234-24-32D										---	---	
2	2	6233-32-32D	3.00	2.812	3.00	.375	2.44	1.94	.75	.62	2.411	2.500	228	
		6234-32-32D										---	---	
2½②	2½	6233-40-40D	3.25	3.312	3.62	.375	2.89	2.32	.75	.62	2.911	3.000	232	
		6234-40-40D										---	---	
3③	3	6233-48-48D	3.75	4.000	4.50	.375	3.53	2.90	.88	.75	3.540	3.625	237	
		6234-48-48D										---	---	
4④	4	6233-64-64D	4.25	5.000	5.50	.442	4.48	3.88	.88	.75	4.550	4.609	245	
		6234-64-64D										---	---	

MATERIAL:
316L Stainless

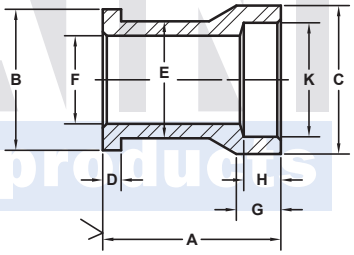


O-Ring Style



Model 6233 / 6235

Companion Style
(Flat Face)



Model 6234 / 6236

MAIN® manufacturing products

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	H	K	L	O-RING NO.①	WT
½	½	6235-08-08D	2.38	1.250	1.31	.305	.92	.50	.62	.50	.860	1.000	210	
		6236-08-08D										---	---	
¾	¾	6235-12-12D	2.75	1.625	1.62	.345	1.23	.69	.62	.50	1.070	1.250	214	
		6236-12-12D										---	---	
1	1	6235-16-16D	3.00	1.875	2.00	.375	1.48	.88	.62	.50	1.335	1.562	219	
		6236-16-16D										---	---	
1¼	1¼	6235-20-20D	3.38	2.125	2.38	.405	1.69	1.19	.62	.50	1.680	1.750	222	
		6236-20-20D										---	---	
1¼	1½	6235-20-24D	3.75	2.125	2.75	.405	1.69	1.19	.62	.50	1.920	1.750	222	
		6236-20-24D										---	---	
1½	1½	6235-24-24D	3.75	2.500	2.75	.495	1.97	1.38	.62	.50	1.920	2.125	225	
		6236-24-24D										---	---	
1½	2	6235-24-32D	4.88	2.500	3.25	.495	1.97	1.38	1.00	.75	2.411	2.125	225	
		6236-24-32D										---	---	
2	2	6235-32-32D	4.00	3.125	3.50	.495	2.60	1.75	.75	.62	2.411	2.500	228	
		6236-32-32D										---	---	

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

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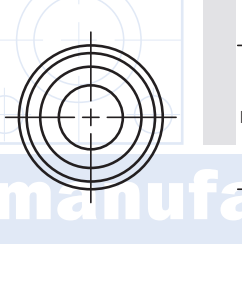
SOCKET WELD TUBE FLANGED HEADS

61 SERIES

FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	F	H	K	L	O-RING NO.①	WT
½	½	6287-08-08D	.50	1.188	.91	.265	.41	.31	.510	1.000	210	.2
		6288-08-08D								---	---	
¾	¾	6287-12-12D	.56	1.500	1.22	.265	.63	.38	.760	1.250	214	.2
		6288-12-12D								---	---	
1	1	6287-16-16D	.56	1.750	1.47	.315	.88	.38	1.010	1.562	219	.2
		6288-16-16D								---	---	
1¼	1	6287-20-16D	.56	2.000	1.67	.315	.88	.38	1.010	1.750	222	.4
		6288-20-16D								---	---	
1¼	1¼	6287-20-20D	.56	2.000	1.67	.315	1.12	.38	1.260	1.750	222	.3
		6288-20-20D								---	---	
1½	1½	6287-24-24D	.62	2.375	1.95	.315	1.38	.44	1.510	2.125	225	.3
		6288-24-24D								---	---	
2	2	6287-32-32D	.62	2.812	2.42	.375	1.88	.44	2.010	2.500	228	.4
		6288-32-32D								---	---	
2½②	2	6287-40-32D	.75	3.312	2.89	.375	1.88	.44	2.010	3.000	232	.8
		6288-40-32D								---	---	
2½②	2½	6287-40-40D	.75	3.312	2.89	.375	2.38	.50	2.510	3.000	232	.6
		6288-40-40D								---	---	
3③	3	6287-48-48D	.94	4.000	3.52	.375	2.88	.62	3.010	3.625	237	1.0
		6288-48-48D								---	---	

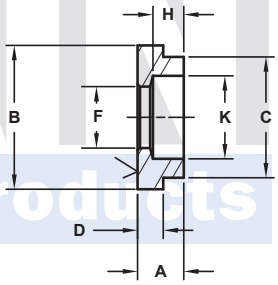
MATERIAL:
316L Stainless

O-Ring Style



Model 6287 / 6289

Companion Style
(Flat Face)



Model 6288 / 6290



MAIN® manufacturing products

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
½	½	6289-08-08D	.75	1.250	.91	.305	.41	.50	.510	1.000	210	.2
		6290-08-08D								---	---	
¾	¾	6289-12-12D	.75	1.625	1.22	.345	.63	.50	.760	1.250	214	.2
		6290-12-12D								---	---	
1	1	6289-16-16D	.94	1.875	1.47	.375	.75	.50	1.010	1.562	219	.4
		6290-16-16D								---	---	
1¼	1	6289-20-16D	1.00	2.125	1.69	.405	.75	.50	1.010	1.750	222	.6
		6290-20-16D								---	---	
1¼	1¼	6289-20-20D	1.00	2.125	1.69	.405	1.00	.62	1.260	1.750	222	.5
		6290-20-20D								---	---	
1½	1½	6289-24-24D	1.25	2.500	1.97	.495	1.25	.75	1.510	2.125	225	.8
		6290-24-24D								---	---	
2	1½	6289-32-24D	1.50	3.125	2.59	.495	1.38	.75	1.510	2.500	228	1.6
		6290-32-24D								---	---	
2	2	6289-32-32D	1.50	3.125	2.59	.495	1.75	.75	2.010	2.500	228	1.4
		6290-32-32D								---	---	

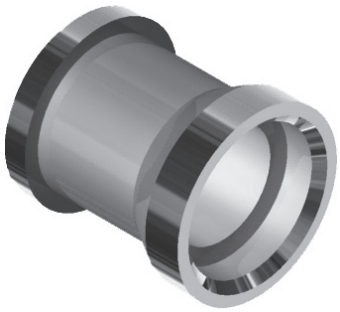
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max

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SOCKET WELD TUBE FLANGED HEADS

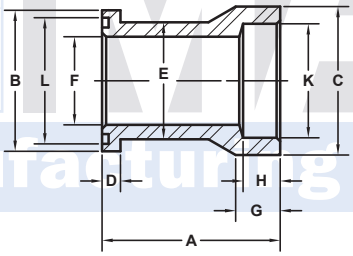
61 SERIES														
FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	L	O-RING NO.①	WT
½	⅝	6237-08-10D	2.12	1.188	1.31	.265	.92	.50	.50	.50	.635	1.000	210	.4
		6238-08-10D										---	---	
½	¾	6237-08-12D	2.12	1.188	1.31	.265	.92	.50	.50	.50	.760	1.000	210	.4
		6238-08-12D										---	---	
¾	1	6237-12-16D	2.25	1.500	1.62	.265	1.23	.75	.50	.50	1.010	1.250	214	.6
		6238-12-16D										---	---	
1	1¼	6237-16-20D	2.25	1.750	1.88	.315	1.48	1.00	.50	.50	1.260	1.562	219	.8
		6238-16-20D										---	---	
1¼	1½	6237-20-24D	2.62	2.000	2.12	.315	1.69	1.25	.50	.50	1.510	1.750	222	1.0
		6238-20-24D										---	---	
1½	1¾	6237-24-28D	2.75	2.375	2.50	.315	1.97	1.50	.50	.50	1.760	2.125	225	1.4
		6238-24-28D										---	---	
1½	2	6237-24-32D	2.75	2.375	2.50	.315	1.97	1.50	.50	.50	2.010	2.125	225	1.3
		6238-24-32D										---	---	
2	2¼	6237-32-36D	3.00	2.812	3.00	.375	2.44	1.94	.75	.62	2.260	2.500	228	2.1
		6238-32-36D										---	---	
2	2½	6237-32-40D	3.00	2.812	3.00	.375	2.44	1.94	.75	.62	2.510	2.500	228	1.9
		6238-32-40D										---	---	
2½	3	6237-40-48D	3.25	3.312	3.62	.375	2.89	2.32	.75	.62	3.010	3.000	232	2.9
		6238-40-48D										---	---	

MATERIAL:
316L Stainless



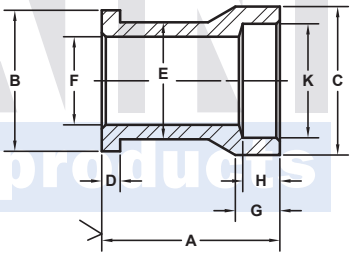
O-Ring Style





Model 6237 / 6239

Companion Style
(Flat Face)



Model 6238 / 6240

MAIN® manufacturing products

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	E	F	G	H	K	L	O-RING NO.①	WT
½	⅝	6239-08-10D	2.38	1.250	1.31	.305	.92	.50	.62	.50	.635	1.000	210	.5
		6240-08-10D										---	---	
½	¾	6239-08-12D	2.38	1.250	1.31	.305	.92	.50	.62	.50	.760	1.000	210	.5
		6240-08-12D										---	---	
¾	1	6239-12-16D	2.75	1.625	1.62	.345	1.23	.69	.62	.50	1.010	1.250	214	.8
		6240-12-16D										---	---	
1	1¼	6239-16-20D	3.00	1.875	2.00	.375	1.48	.88	.62	.50	1.260	1.562	219	1.2
		6240-16-20D										---	---	
1¼	1½	6239-20-24D	3.12	2.125	2.38	.405	1.69	1.19	.62	.50	1.510	1.750	222	1.5
		6240-20-24D										---	---	
1½	1¾	6239-24-28D	3.75	2.500	2.75	.495	1.97	1.38	.62	.50	1.760	2.125	225	2.4
		6240-24-28D										---	---	
1½	2	6239-24-32D	3.75	2.500	2.75	.495	1.97	1.38	.62	.50	2.010	2.125	225	2.3
		6240-24-32D										---	---	
2	2¼	6239-32-36D	4.00	3.125	3.50	.495	2.60	1.75	.75	.62	2.260	2.500	228	4.5
		6240-32-36D										---	---	

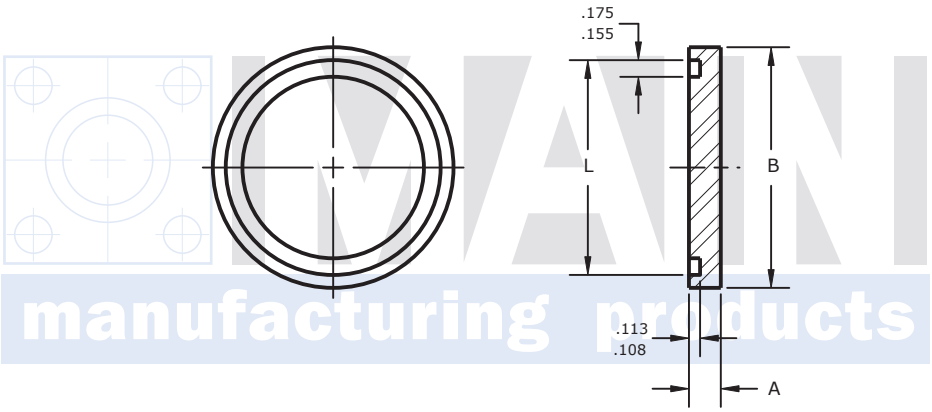
① Order Separately

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'MAIN' FLANGE PLUGS

61 SERIES						
FLANGE SIZE	PART NUMBER	A	B	L	O-RING NO. ①	WT
½	6215-08-08D	.265	1.19	1.000	210	
¾	6215-12-12D	.265	1.50	1.250	214	
1	6215-16-16D	.315	1.75	1.562	219	
1¼	6215-20-20D	.315	2.00	1.750	222	
1½	6215-24-24D	.315	2.38	2.125	225	
2	6215-32-32D	.375	2.81	2.500	228	
2½	6215-40-40D	.375	3.31	3.000	232	
3	6215-48-48D	.375	4.00	3.625	237	

MATERIAL:
316L Stainless





MAIN ®
manufacturing products

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	PART NUMBER	A	B	L	O-RING NO. ①	WT
½	6216-08-08D	.305	1.25	1.000	210	
¾	6216-12-12D	.345	1.62	1.250	214	
1	6216-16-16D	.375	1.88	1.562	219	
1¼	6216-20-20D	.405	2.12	1.750	222	
1½	6216-24-24D	.495	2.50	2.125	225	
2	6216-32-32D	.495	3.12	2.500	228	

① Order Separately

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NPTF THREADED FLANGED HEADS

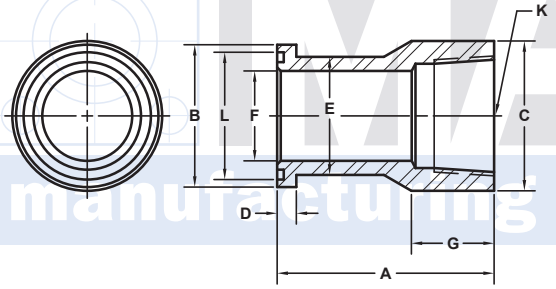
61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G	H	K	L	O-RING NO.①	WT
½	½	6241-08-08D	2.62	1.188	1.31	.265	.92	.50	1.00	1.06	1/2	1.000	210	
		6242-08-08D										---	---	
¾	¾	6241-12-12D	2.75	1.500	1.62	.265	1.23	.75	1.00	1.06	3/4	1.250	214	
		6242-12-12D										---	---	
1	1	6241-16-16D	3.00	1.750	1.88	.315	1.48	1.00	1.25	1.25	1	1.562	219	
		6242-16-16D										---	---	
1	1¼	6241-16-20D	3.50	1.750	2.12	.315	1.48	1.00	1.38	1.31	1 1/4	1.562	219	
		6242-16-20D										---	---	
1¼	1¼	6241-20-20D	3.50	2.000	2.12	.315	1.69	1.25	1.38	1.31	1 1/4	1.750	222	
		6242-20-20D										---	---	
1¼	1½	6241-20-24D	3.25	2.000	2.50	.315	1.69	1.25	1.31	1.31	1 1/2	1.750	222	
		6242-20-24D										---	---	
1½	1½	6241-24-24D	3.62	2.375	2.50	.315	1.97	1.50	1.38	1.31	1 1/2	2.125	225	
		6242-24-24D										---	---	
1½	2	6241-24-32D	3.62	2.375	3.00	.315	1.97	1.50	1.38	1.31	2	2.125	225	
		6242-24-32D										---	---	
2	2	6241-32-32D	3.62	2.812	3.00	.375	2.44	1.94	1.38	1.31	2	2.500	228	
		6242-32-32D										---	---	
2½②	2½	6241-40-40D	4.38	3.312	3.62	.375	2.89	2.44	1.75	1.59	2 1/2	3.000	232	
		6242-40-40D										---	---	

MATERIAL:
316L Stainless

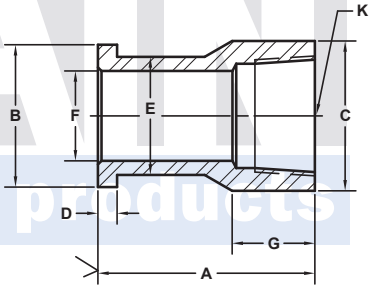


O-Ring Style



Model 6241 / 6243

Companion Style
(Flat Face)



Model 6242 / 6244

MAIN ®
manufacturing products

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	H	K	L	O-RING NO.①	WT
½	½	6243-08-08D	2.75	1.250	1.31	.305	.92	.50	1.06	1.06	1/2	1.000	210	
		6244-08-08D										---	---	
¾	¾	6243-12-12D	3.12	1.625	1.62	.345	1.23	.69	1.06	1.06	3/4	1.250	214	
		6244-12-12D										---	---	
1	1	6243-16-16D	3.62	1.875	2.00	.375	1.48	.88	1.25	1.25	1	1.562	219	
		6244-16-16D										---	---	
1¼	1¼	6243-20-20D	4.00	2.125	2.38	.405	1.69	1.19	1.31	1.31	1 1/4	1.750	222	
		6244-20-20D										---	---	
1¼	1½	6243-20-24D	4.50	2.125	2.75	.405	1.69	1.19	1.38	1.31	1 1/2	1.750	222	
		6244-20-24D										---	---	
1½	1½	6243-24-24D	4.50	2.500	2.75	.495	1.97	1.38	1.38	1.31	1 1/2	2.125	225	
		6244-24-24D										---	---	
1½	2	6243-24-32D	5.75	2.500	3.50	.495	1.97	1.38	1.38	1.31	2	2.125	225	
		6244-24-32D										---	---	
2	2	6243-32-32D	4.62	3.125	3.50	.495	2.60	1.75	1.38	1.31	2	2.500	228	
		6244-32-32D										---	---	

① Order Separately ② 2500 PSI Max

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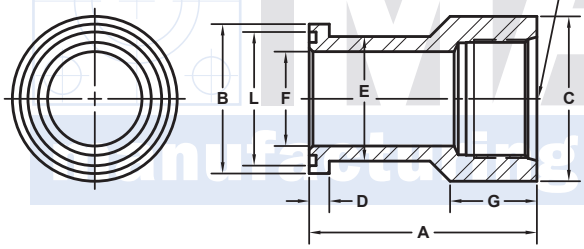
SAE J1926 THREADED FLANGED HEADS

61 SERIES

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G	K	L	O-RING NO.①	WT
½	-8	6245-08-08D	2.62	1.188	1.31	.265	.92	.50	1.00	3/4-16	1.000	210	
		6246-08-08D									---	---	
¾	-12	6245-12-12D	3.00	1.500	1.75	.265	1.23	.75	1.12	1 1/16-12	1.250	214	
		6246-12-12D									---	---	
1	-16	6245-16-16D	3.00	1.750	2.00	.315	1.48	1.00	1.12	1 5/16-12	1.562	219	
		6246-16-16D									---	---	
1	-20	6245-16-20D	3.50	1.750	2.38	.315	1.48	1.00	1.19	1 5/8-12	1.562	219	
		6246-16-20D									---	---	
1¼	-20	6245-20-20D	3.50	2.000	2.38	.315	1.69	1.25	1.19	1 5/8-12	1.750	222	
		6246-20-20D									---	---	
1¼	-24	6245-20-24D	3.62	2.000	2.62	.315	1.69	1.25	1.38	1 7/8-12	1.750	222	
		6246-20-24D									---	---	
1½	-24	6245-24-24D	3.62	2.375	2.62	.315	1.97	1.50	1.38	1 7/8-12	2.125	225	
		6246-24-24D									---	---	
1½	-32	6245-24-32D	4.00	2.375	3.50	.315	1.97	1.50	1.12	2 1/2-12	2.125	225	
		6246-24-32D									---	---	
2	-32	6245-32-32D	4.00	2.812	3.50	.375	2.44	1.94	1.12	2 1/2-12	2.500	228	
		6246-32-32D									---	---	
2½②	-32	6245-40-32D	4.00	3.312	3.50	.375	2.89	1.94	1.44	2 1/2-12	3.000	232	
		6246-40-32D									---	---	

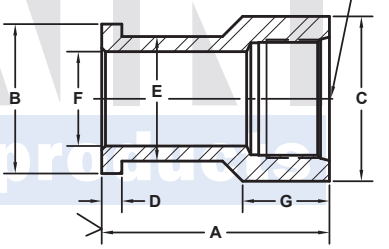
MATERIAL:
316L Stainless

O-Ring Style



Model 6245 / 6247

Companion Style
(Flat Face)



Model 6246 / 6248



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
½	-8	6247-08-08D	2.75	1.250	1.31	.305	.92	.50	1.06	3/4-16	1.000	210	
		6248-08-08D									---	---	
¾	-12	6247-12-12D	3.25	1.625	1.75	.345	1.23	.69	1.31	1 1/16-12	1.250	214	
		6248-12-12D									---	---	
1	-16	6247-16-16D	3.62	1.875	2.00	.375	1.48	.88	1.25	1 5/16-12	1.562	219	
		6248-16-16D									---	---	
1	-20	6247-16-20D	4.00	1.875	2.38	.375	1.48	.88	1.31	1 5/8-12	1.562	219	
		6248-16-20D									---	---	
1¼	-20	6247-20-20D	4.00	2.125	2.38	.405	1.69	1.19	1.31	1 5/8-12	1.750	222	
		6248-20-20D									---	---	
1½	-24	6247-24-24D	4.50	2.500	2.75	.495	1.97	1.38	1.38	1 7/8-12	2.125	225	
		6248-24-24D									---	---	
1½	-32	6247-24-32D	5.00	2.500	3.50	.495	1.97	1.38	1.38	2 1/2-12	2.125	225	
		6248-24-32D									---	---	
2	-32	6247-32-32D	4.62	3.125	3.50	.495	2.60	1.75	1.38	2 1/2-12	2.500	228	
		6248-32-32D									---	---	

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.

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BUTT WELD FLANGED HEADS

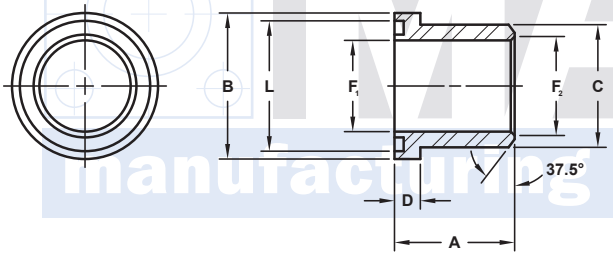
For Schedule 40 Pipe ⑥

61 SERIES											
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	F_1	F_2	L	O-RING NO.①	WT
½	½	6249-08-08D	1.25	1.188	.92	.265	.53	.62	1.000	210	.2
		6250-08-08D							---	---	
¾	¾	6249-12-12D	1.44	1.500	1.23	.265	.75	.82	1.250	214	.3
		6250-12-12D							---	---	
1	1	6249-16-16D	1.44	1.750	1.48	.315	.94	1.05	1.562	219	.4
		6250-16-16D							---	---	
1¼	1¼	6249-20-20D	1.44	2.000	1.69	.315	1.25	1.38	1.750	222	.5
		6250-20-20D							---	---	
1½	1½	6249-24-24D	1.50	2.375	1.97	.315	1.50	1.61	2.125	225	.6
		6250-24-24D							---	---	
2	2	6249-32-32D	1.50	2.812	2.44	.375	1.94	2.06	2.500	228	.8
		6250-32-32D							---	---	
2½	2½	6249-40-40D	2.00	3.312	2.89	.375	2.47	2.47	3.000	232	1.2
		6250-40-40D							---	---	
3	3	6249-48-48D	2.12	4.000	3.53	.375	2.90	3.06	3.625	237	2.1
		6250-48-48D							---	---	
3½	3½	6249-56-56D	1.62	4.500	3.98	.442	3.36	3.54	4.109	241	2.0
		6250-56-56D							---	---	
4	4	6249-64-64D	1.88	5.000	4.48	.442	3.83	4.02	4.609	245	2.6
		6250-64-64D							---	---	

MATERIAL:
316L Stainless

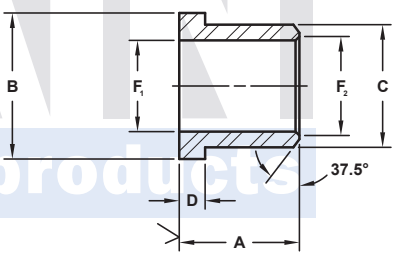


O-Ring Style



Model 6249 / 6251

Companion Style
(Flat Face)



Model 6250 / 6252

MAIN® manufacturing products

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
½	½	6251-08-08D	1.38	1.250	.92	.305	.53	.62	1.000	210	.2
		6252-08-08D							---	---	
¾	¾	6251-12-12D	1.62	1.625	1.23	.345	.75	.82	1.250	214	.4
		6252-12-12D							---	---	
1	1	6251-16-16D	1.88	1.875	1.48	.375	.94	1.05	1.562	219	.6
		6252-16-16D							---	---	
1¼	1¼	6251-20-20D	2.00	2.125	1.69	.405	1.25	1.38	1.750	222	.7
		6252-20-20D							---	---	
1½	1½	6251-24-24D	2.25	2.500	1.97	.495	1.50	1.61	2.125	225	1.1
		6252-24-24D							---	---	
2	2	6251-32-32D	2.56	3.125	2.60	.495	1.94	2.06	2.500	228	1.9
		6252-32-32D							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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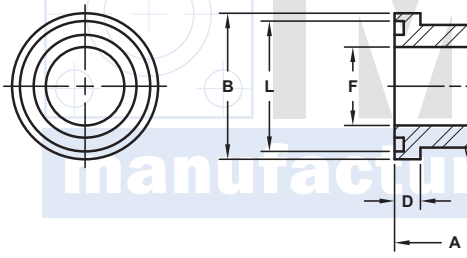
BUTT WELD FLANGED HEADS

For Schedule 80 Pipe ⑥

61 SERIES											
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO.①	WT
½	½	6253-08-08D	1.25	1.188	.92	.265	.65	.53	1.000	210	.2
		6254-08-08D							---	---	
¾	¾	6253-12-12D	1.44	1.500	1.23	.265	.88	.75	1.250	214	.3
		6254-12-12D							---	---	
1	1	6253-16-16D	1.44	1.750	1.48	.315	1.06	1.00	1.562	219	.4
		6254-16-16D							---	---	
1¼	1¼	6253-20-20D	1.44	2.000	1.69	.315	1.38	1.25	1.750	222	.5
		6254-20-20D							---	---	
1½	1½	6253-24-24D	1.50	2.375	1.97	.315	1.62	1.50	2.125	225	.6
		6254-24-24D							---	---	
2	2	6253-32-32D	1.50	2.812	2.44	.375	2.06	1.94	2.500	228	.8
		6254-32-32D							---	---	
2½	2½	6253-40-40D	2.00	3.312	2.89	.375	2.44	2.32	3.000	232	1.4
		6254-40-40D							---	---	
3	3	6253-48-48D	2.12	4.000	3.53	.375	3.02	2.90	3.625	237	2.1
		6254-48-48D							---	---	
3½	3½	6253-56-56D	1.62	4.500	3.98	.442	3.48	3.36	4.109	241	1.9
		6254-56-56D							---	---	
4	4	6253-64-64D	1.88	5.000	4.48	.442	3.95	3.83	4.609	245	2.6
		6254-64-64D							---	---	

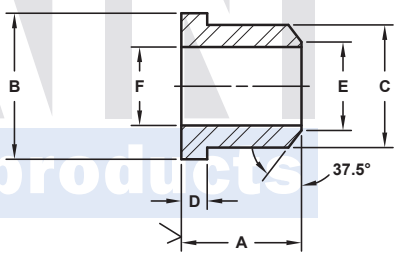
MATERIAL:
316L Stainless

O-Ring Style



Model 6253 / 6255

Companion Style
(Flat Face)



Model 6254 / 6256



MAIN® manufacturing products

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
½	½	6255-08-08D	1.38	1.250	.92	.305	.65	.53	1.000	210	.2
		6256-08-08D							---	---	
¾	¾	6255-12-12D	1.62	1.625	1.23	.345	.88	.75	1.250	214	.4
		6256-12-12D							---	---	
1	1	6255-16-16D	1.88	1.875	1.48	.375	1.06	.94	1.562	219	.6
		6256-16-16D							---	---	
1¼	1¼	6255-20-20D	2.00	2.125	1.69	.405	1.38	1.25	1.750	222	.7
		6256-20-20D							---	---	
1½	1½	6255-24-24D	2.25	2.500	1.97	.495	1.62	1.50	2.125	225	1.1
		6256-24-24D							---	---	
2	2	6255-32-32D	2.56	3.125	2.60	.495	2.06	1.94	2.500	228	1.9
		6256-32-32D							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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BUTT WELD FLANGED HEADS

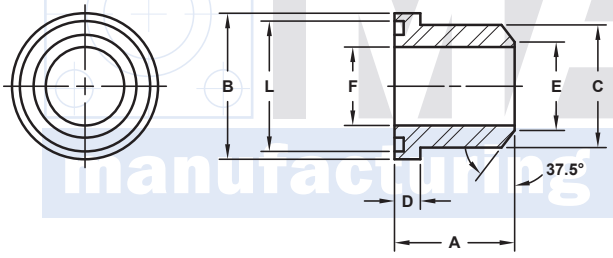
For Schedule 160 Pipe ⑥

			61 SERIES								
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO.①	WT
½	½	6257-08-08D	1.25	1.188	.92	.265	.59	.47	1.000	210	.2
		6258-08-08D							---	---	
¾	¾	6257-12-12D	1.44	1.500	1.23	.265	.73	.61	1.250	214	.4
		6258-12-12D							---	---	
1	1	6257-16-16D	1.44	1.750	1.48	.315	.93	.81	1.562	219	.5
		6258-16-16D							---	---	
1¼	1¼	6257-20-20D	1.44	2.000	1.69	.315	1.28	1.16	1.750	222	.6
		6258-20-20D							---	---	
1½	1½	6257-24-24D	1.50	2.375	1.97	.315	1.46	1.34	2.125	225	.7
		6258-24-24D							---	---	
2	2	6257-32-32D	1.50	2.812	2.44	.375	1.81	1.69	2.500	228	1.1
		6258-32-32D							---	---	
2½	2½	6257-40-40D	2.00	3.312	2.89	.375	2.24	2.12	3.000	232	1.8
		6258-40-40D							---	---	
3	3	6257-48-48D	2.12	4.000	3.53	.375	2.75	2.62	3.625	237	2.7
		6258-48-48D							---	---	
3½	3½	6257-56-56D	1.62	4.500	3.98	.442	3.12	3.00	4.109	241	2.6
		6258-56-56D							---	---	
4	4	6257-64-64D	1.88	5.000	4.48	.442	3.56	3.44	4.609	245	3.6
		6258-64-64D							---	---	

MATERIAL:
316L Stainless

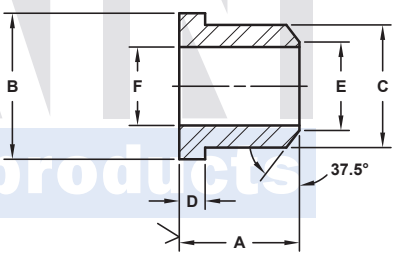


O-Ring Style



Model 6257 / 6259

Companion Style
(Flat Face)



Model 6258 / 6260

MAIN® manufacturing products

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
½	½	6259-08-08D	1.38	1.250	.92	.305	.59	.47	1.000	210	.2
		6260-08-08D							---	---	
¾	¾	6259-12-12D	1.62	1.625	1.23	.345	.73	.61	1.250	214	.5
		6260-12-12D							---	---	
1	1	6259-16-16D	1.88	1.875	1.48	.375	.93	.81	1.562	219	.7
		6260-16-16D							---	---	
1¼	1¼	6259-20-20D	2.00	2.125	1.69	.405	1.28	1.16	1.750	222	.8
		6260-20-20D							---	---	
1½	1½	6259-24-24D	2.25	2.500	1.97	.495	1.46	1.34	2.125	225	1.2
		6260-24-24D							---	---	
2	2	6259-32-32D	2.56	3.125	2.60	.495	1.81	1.69	2.500	228	2.4
		6260-32-32D							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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BUTT WELD FLANGED HEADS

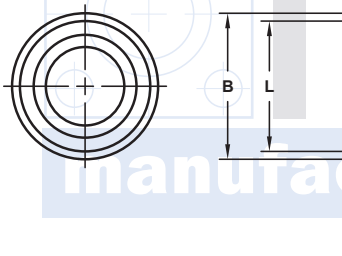
For Schedule XXS Pipe ⑥

61 SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	L	O-RING NO. ①	WT
½	½	6261-08-08D	1.25	1.188	.92	.265	.38	.25	1.000	210	.2
		6262-08-08D							---	---	
¾	¾	6261-12-12D	1.44	1.500	1.23	.265	.56	.44	1.250	214	.4
		6262-12-12D							---	---	
1	1	6261-16-16D	1.44	1.750	1.48	.315	.71	.59	1.562	219	.6
		6262-16-16D							---	---	
1¼	1¼	6261-20-20D	1.44	2.000	1.69	.315	1.01	.89	1.750	222	.7
		6262-20-20D							---	---	
1½	1½	6261-24-24D	1.50	2.375	1.97	.315	1.22	1.10	2.125	225	.9
		6262-24-24D							---	---	
2	2	6261-32-32D	1.50	2.812	2.44	.375	1.62	1.50	2.500	228	1.2
		6262-32-32D							---	---	
2½	2½	6261-40-40D	2.00	3.312	2.89	.375	1.89	1.77	3.000	232	2.3
		6262-40-40D							---	---	
3	3	6261-48-48D	2.12	4.000	3.53	.375	2.42	2.30	3.625	237	3.3
		6262-48-48D							---	---	
3½	3½	6261-56-56D	1.62	4.500	3.98	.442	2.84	2.72	4.109	241	3.0
		6262-56-56D							---	---	
4	4	6261-64-64D	1.88	5.000	4.48	.442	3.25	3.12	4.609	245	4.2
		6262-64-64D							---	---	

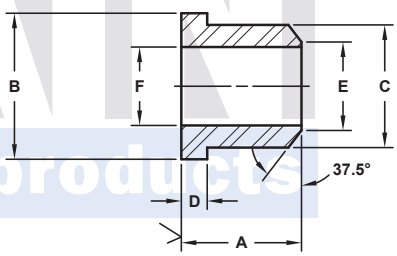
MATERIAL:
316L Stainless

O-Ring Style



Model 6261 / 6263

Companion Style
(Flat Face)



Model 6262 / 6264



MAIN ® manufacturing products

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
½	½	6263-08-08D	1.38	1.250	.92	.305	.38	.25	1.000	210	.3
		6264-08-08D							---	---	
¾	¾	6263-12-12D	1.62	1.625	1.23	.345	.56	.44	1.250	214	.5
		6264-12-12D							---	---	
1	1	6263-16-16D	1.88	1.875	1.48	.375	.71	.59	1.562	219	.8
		6264-16-16D							---	---	
1¼	1¼	6263-20-20D	2.00	2.125	1.69	.405	1.01	.89	1.750	222	1.0
		6264-20-20D							---	---	
1½	1½	6263-24-24D	2.25	2.500	1.97	.495	1.22	1.10	2.125	225	1.5
		6264-24-24D							---	---	
2	2	6263-32-32D	2.56	3.125	2.60	.495	1.62	1.50	2.500	228	2.7
		6264-32-32D							---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

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NOTES CONCERNING SQUARE FLANGES

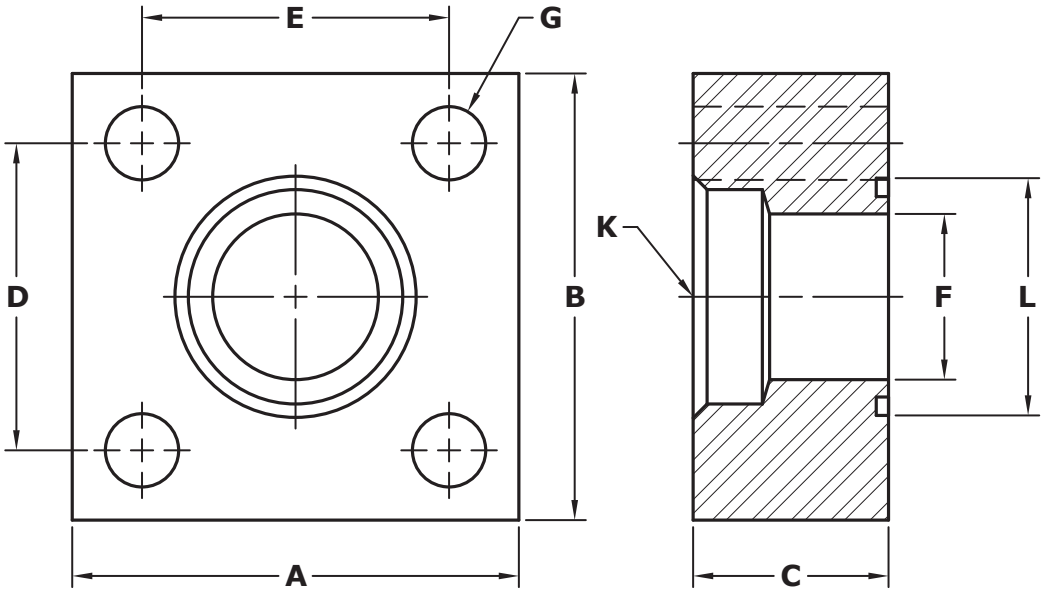
***Please be sure your bolt pattern matches.**
(+/- .010"). There are dozens of similar square bolt patterns besides the pages shown here.

***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.

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SOCKET WELD PIPE IN-LINE FLANGES

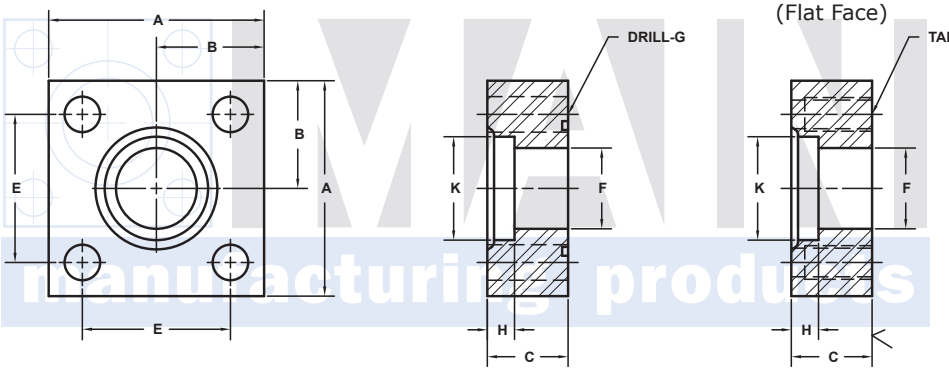
For JIS O-Ring and JIS Pipe ⑥

JIS B 2291 BOLT PATTERN (210K) — **TYPE SHA & SHB (TAPPED)**

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	15	6501-08-08DM	2.50	1.25	.87	40.0	1.574	.63	11.0	.43	.874	MKM 4771	M10 x 40	G25	1.3
		6504-08-08DM							M10x1.5			---	---	---	
20	20	6501-12-12DM	2.75	1.38	.87	45.0	1.772	.81	11.0	.47	1.091	MKM 4772	M10 x 40	G30	1.5
		6504-12-12DM							M10x1.5			---	---	---	
25	25	6501-16-16DM	3.25	1.62	1.10	53.0	2.086	.98	13.0	.55	1.358	MKM 4773	M12 x 50	G35	2.5
		6504-16-16DM							M12x1.75			---	---	---	
32	32	6501-20-20DM	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
		6504-20-20DM							M12x1.75			---	---	---	
40	40	6501-24-24DM	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
		6504-24-24DM							M16x2			---	---	---	
50	50	6501-32-32DM	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
		6504-32-32DM							M16x2			---	---	---	
65	65	6501-40-40DM	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
		6504-40-40DM							M20x2.5			---	---	---	
80	80	6501-48-48DM	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
		6504-48-48DM							M22x2.5			---	---	---	

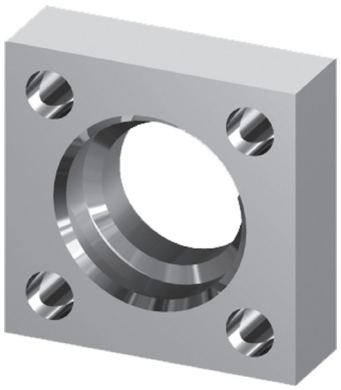
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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



Model 6501 / 6505 — Model 6504 / 6506

MATERIAL:
316L Stainless



MAIN® manufacturing products

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 / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	15	6505-08-08DM	2.25	1.12	.87	36.0	1.417	.63	11.0	.43	.874	MKM 4571	M10 x 40	G25	1.0
		6506-08-08DM							M10x1.5			---	---	---	
20	20	6505-12-12DM	2.25	1.12	.87	40.0	1.574	.81	11.0	.47	1.091	MKM 4572	M10 x 40	G30	.9
		6506-12-12DM							M10x1.5			---	---	---	
25	25	6505-16-16DM	2.75	1.38	1.10	48.0	1.890	.98	13.0	.55	1.358	MKM 4573	M12 x 50	G35	1.7
		6506-16-16DM							M12x1.75			---	---	---	
32	32	6505-20-20DM	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
		6506-20-20DM							M12x1.75			---	---	---	
40	40	6505-24-24DM	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
		6506-24-24DM							M16x2			---	---	---	
50	50	6505-32-32DM	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
		6506-32-32DM							M16x2			---	---	---	
65	65	6505-40-40DM	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
		6506-40-40DM							M20x2.5			---	---	---	
80	80	6505-48-48DM	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
		6506-48-48DM							M22x2.5			---	---	---	

① Order Separately

⑥ 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

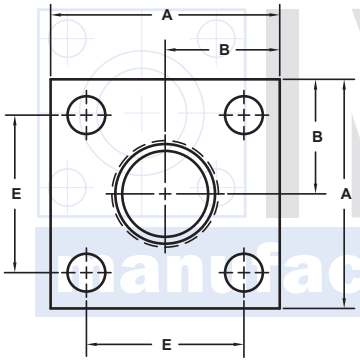
JIS B 2291 BOLT PATTERN (210K)											TYPE SH(A & B)			
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm / Jmm	K NPTF	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	½	6507-08-08DM	2.50	1.25	1.25	40.0	1.574	.63	11.0	1/2	MKM 5507	M10 x 50	G25	1.9
		6508-08-08DM							M10x1.5		---	---	---	
20	¾	6507-12-12DM	2.75	1.38	1.25	45.0	1.772	.75	11.0	3/4	MKM 5508	M10 x 50	G30	2.3
		6508-12-12DM							M10x1.5		---	---	---	
25	1	6507-16-16DM	3.25	1.62	1.50	53.0	2.086	1.00	13.0	1	MKM 4588	M12 x 60	G35	3.8
		6508-16-16DM							M12x1.75		---	---	---	
32	1¼	6507-20-20DM	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
		6508-20-20DM							M12x1.75		---	---	---	
40	1½	6507-24-24DM	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
		6508-24-24DM							M16x2		---	---	---	
50	2	6507-32-32DM	4.50	2.25	1.75	80.0	3.150	1.94	18.0	2	MKM 5521	M16 x 70	G60	7.3
		6508-32-32DM							M16x2		---	---	---	
65	2½	6507-40-40DM	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
		6508-40-40DM							M20x2.5		---	---	---	
80	3	6507-48-48DM	6.25	3.12	2.25	112.0	4.409	2.80	24.0	3	MKM 4593	M22 x 90	G85	17.9
		6508-48-48DM							M22x2.5		---	---	---	

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

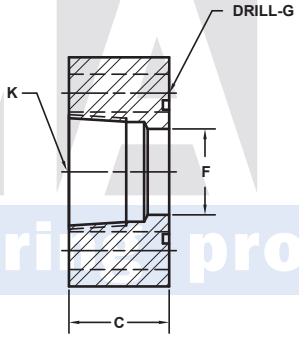
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



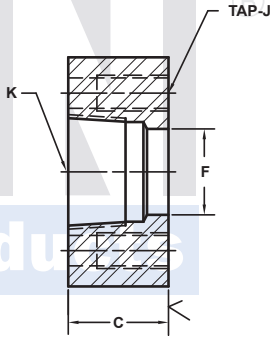


O-Ring Style



Model 6507 / 6509

Companion Style
(Flat Face)



Model 6508 / 6510

MAIN manufacturing products

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	PIPE SIZE	PART NUMBER	A	B	C	Emm	E	F	Gmm / Jmm	K NPTF	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	½	6509-08-08DM	2.25	1.12	1.25	36.0	1.417	.63	11.0	1/2	MKM 5507	M10 x 50	G25	1.4
		6510-08-08DM							M10x1.5		---	---	---	
20	¾	6509-12-12DM	2.25	1.12	1.25	40.0	1.574	.75	11.0	3/4	MKM 5508	M10 x 50	G30	1.4
		6510-12-12DM							M10x1.5		---	---	---	
25	1	6509-16-16DM	2.75	1.38	1.50	48.0	1.890	1.00	13.0	1	MKM 4588	M12 x 60	G35	2.5
		6510-16-16DM							M12x1.75		---	---	---	
32	1¼	6509-20-20DM	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
		6510-20-20DM							M12x1.75		---	---	---	
40	1½	6509-24-24DM	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
		6510-24-24DM							M16x2		---	---	---	
50	2	6509-32-32DM	4.00	2.00	1.75	73.0	2.874	1.94	18.0	2	MKM 5521	M16 x 70	G60	5.6
		6510-32-32DM							M16x2		---	---	---	
65	2½	6509-40-40DM	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
		6510-40-40DM							M20x2.5		---	---	---	
80	3	6509-48-48DM	5.50	2.75	2.25	103.0	4.055	2.80	24.0	3	MKM 4593	M22 x 90	G85	12.6
		6510-48-48DM							M22x2.5		---	---	---	

① Order Separately

NOTE: Dimensions are in Inches Unless Otherwise Noted.

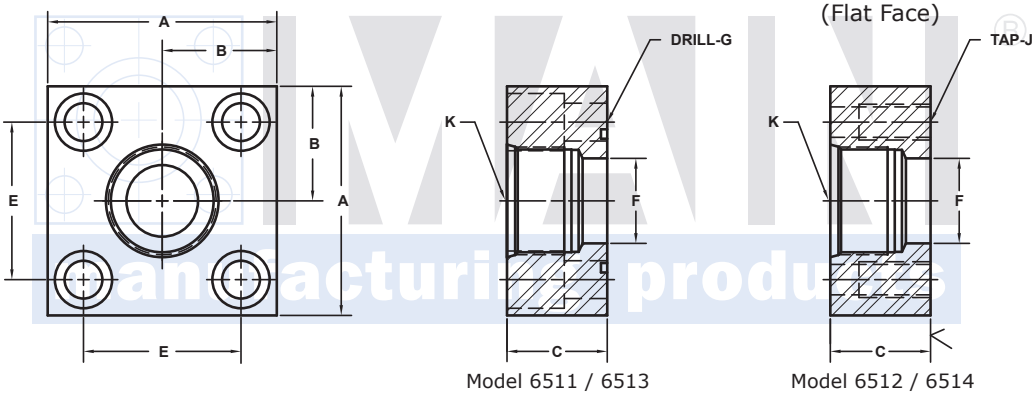
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SAE J1926 THREADED IN-LINE FLANGES

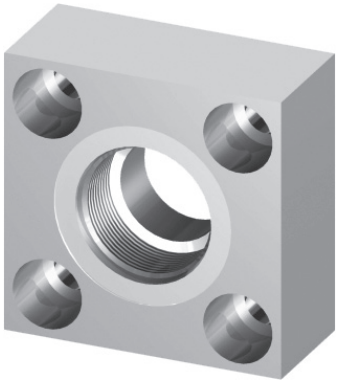
JIS B 2291 BOLT PATTERN (210K)										TYPE SH(A & B)				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	Emm	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	-8	6511-08-08DM	2.50	1.25	1.25	40.0	1.574	.63	11.0	3/4-16	MKM 4586	M10 x 35	G25	1.9
		6512-08-08DM							M10x1.5		---------	---------	---	
20	-10	6511-12-10DM	2.75	1.38	1.50	45.0	1.772	.50	11.0	7/8-14	MKM 5505	M10 x 40	G30	2.4
		6512-12-10DM							M10x1.5		---------	---------	---	
20	-12	6511-12-12DM	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
		6512-12-12DM							M10x1.5		---------	---------	---	
25	-14	6511-16-14DM	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
		6512-16-14DM							M12x1.75		---------	---------	---	
25	-16	6511-16-16DM	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
		6512-16-16DM							M12x1.75		---------	---------	---	
32	-20	6511-20-20DM	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
		6512-20-20DM							M12x1.75		---------	---------	---	
40	-24	6511-24-24DM	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
		6512-24-24DM							M16x2		---------	---------	---	
50	-32	6511-32-32DM	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
		6512-32-32DM							M16x2		---------	---------	---	

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

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

JIS B 2291 BOLT PATTERN (210K)										TYPE SS(A & B)				
FLANGE SIZE	ORB	PART NUMBER	A	B	C	Emm	E	F	Gmm / Jmm	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
15	-8	6513-08-08DM	2.25	1.12	1.25	36.0	1.417	.63	11.0	3/4-16	MKM 4586	M10 x 35	G25	1.4
		6514-08-08DM							M10x1.5		---------	---------	---	
20	-10	6513-12-10DM	2.50	1.25	1.50	40.0	1.574	.50	11.0	7/8-14	MKM 5505	M10 x 40	G30	2.0
		6514-12-10DM							M10x1.5		---------	---------	---	
20	-12	6513-12-12DM	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
		6514-12-12DM							M10x1.5		---------	---------	---	
25	-14	6513-16-14DM	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
		6514-16-14DM							M12x1.75		---------	---------	---	
25	-16	6513-16-16DM	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
		6514-16-16DM							M12x1.75		---------	---------	---	
32	-20	6513-20-20DM	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
		6514-20-20DM							M12x1.75		---------	---------	---	
40	-24	6513-24-24DM	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
		6514-24-24DM							M16x2		---------	---------	---	
50	-32	6513-32-32DM	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
		6514-32-32DM							M16x2		---------	---------	---	

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.

NOTE: Dimensions are in Inches Unless Otherwise Noted.

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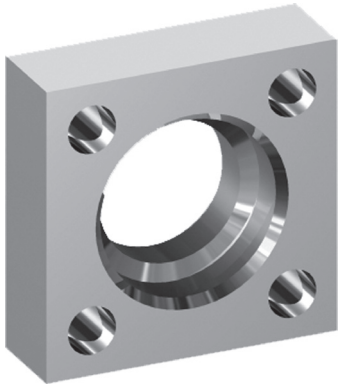
SOCKET WELD PIPE IN-LINE FLANGES

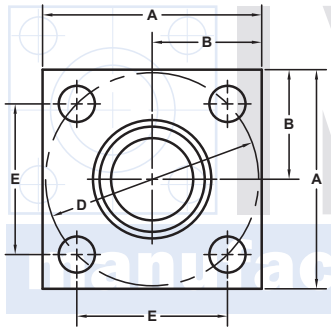
ISO 6164 BOLT PATTERN — 250 BAR SERIES

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
10	3/8	6631-06-06DM 6632-06-06DM	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.												
13	1/2	6631-08-08DM 6632-08-08DM													
19	3/4	6631-12-12DM 6632-12-12DM													
25	1	6631-16-16DM 6632-16-16DM													
32	1 1/4	6631-20-20DM 6632-20-20DM													
38	1 1/2	6631-24-24DM 6632-24-24DM													
51	2	6631-32-32DM 6632-32-32DM	4.00	2.00	1.60	98	2.728	1.94	17.5 M16x2	.62	2.411	MKM 3531 ---	M16 x 65 ---	228 ---	4.9
56	2 1/2	6631-40-40DM 6632-40-40DM	4.75	2.38	1.88	118	3.285	2.44	22.0 M20x2.5	.75	2.911	MKM 5573 ---	M20 x 80 ---	232 ---	7.8
63	3	6631-48-48DM 6632-48-48DM	5.50	2.75	2.28	145	4.037	2.94	22.0 M20x2.5	.75	3.540	MKM 5558 ---	M20 x 90 ---	237 ---	12.8

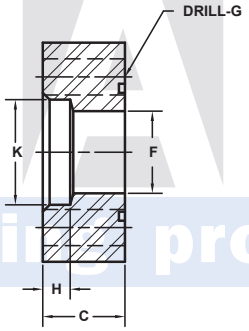
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
316L Stainless



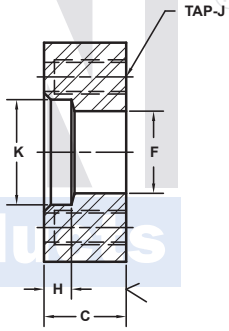


O-Ring Style



Model 6631 / 6635

Companion Style
(Flat Face)



Model 6632 / 6636

MAIN® manufacturing products

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 / Jmm	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
10	3/8	6635-06-06DM 6636-06-06DM	1.50	.75	.73	35	.974	.44	6.5 M6x1	.38	.688	MKM 5546 ---	M6 x 30 ---	115 ---	.4
13	1/2	6635-08-08DM 6636-08-08DM	1.75	.88	.81	42	1.170	.50	9.0 M8x1.25	.50	.860	MKM 512 ---	M8 x 35 ---	210 ---	.5
19	3/4	6635-12-12DM 6636-12-12DM	2.00	1.00	.90	50	1.392	.75	9.0 M8x1.25	.50	1.070	MKM 5559 ---	M8 x 35 ---	214 ---	.7
25	1	6635-16-16DM 6636-16-16DM	2.50	1.25	1.00	62	1.726	1.00	11.0 M10x1.5	.50	1.335	MKM 503 ---	M10 x 40 ---	219 ---	1.3
32	1 1/4	6635-20-20DM 6636-20-20DM	3.00	1.50	1.20	73	2.032	1.25	13.5 M12x1.75	.50	1.680	MKM 1502 ---	M12 x 50 ---	222 ---	2.2
38	1 1/2	6635-24-24DM 6636-24-24DM	3.50	1.75	1.44	85	2.366	1.50	17.5 M16x2	.62	1.920	MKM 515 ---	M16 x 60 ---	225 ---	3.4
51	2	6635-32-32DM 6636-32-32DM	4.00	2.00	1.60	98	2.728	1.69	17.5 M16x2	.62	2.411	MKM 5560 ---	M16 x 65 ---	331 ---	5.0
56	2 1/2	6635-40-40DM 6636-40-40DM	4.75	2.38	1.98	118	3.285	2.12	22.0 M20x2.5	.75	2.911	MKM 5538 ---	M20 x 80 ---	335 ---	8.5
63	3	6635-48-48DM 6636-48-48DM	6.00	3.00	2.12	145	4.037	2.32	26.0 M24x3	.75	3.540	MKM 5561 ---	M24 x 90 ---	337 ---	15.6
70	3 1/2	6635-56-56DM 6636-56-56DM	6.50	3.25	2.46	160	4.454	2.73	26.0 M24x3	.75	4.045	MKM 5562 ---	M24 x 100 ---	340 ---	21.3
80	4	6635-64-64DM 6636-64-64DM	7.00	3.50	2.85	175	4.872	3.15	33.0 M30x3.5	.75	4.550	MKM 5563 ---	M30 x 120 ---	341 ---	26.8

① Order Separately

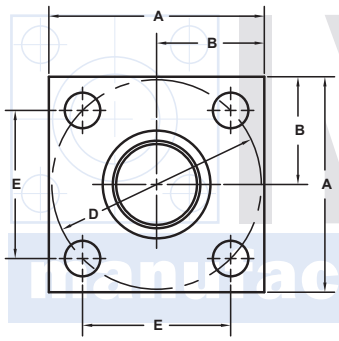
NOTE: Dimensions are in Inches Unless Otherwise Noted.

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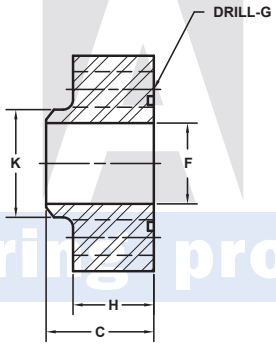
BUTT WELD IN-LINE FLANGES

For Schedule 80 Pipe ⑥

ISO 6164 BOLT PATTERN									250 BAR SERIES						
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
10	3/8	6639-06-06DM	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. MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**												
		6640-06-06DM													
13	1/2	6639-08-08DM													
		6640-08-08DM													
19	3/4	6639-12-12DM													
		6640-12-12DM													
25	1	6639-16-16DM													
		6640-16-16DM													
32	1 1/4	6639-20-20DM													
		6640-20-20DM													
38	1 1/2	6639-24-24DM													
		6640-24-24DM													
51	2	6639-32-32DM	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
		6640-32-32DM							M16x2			---	---	---	
56	2 1/2	6639-40-40DM	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
		6640-40-40DM							M20x2.5			---	---	---	
63	3	6639-48-48DM	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
		6640-48-48DM							M20x2.5			---	---	---	

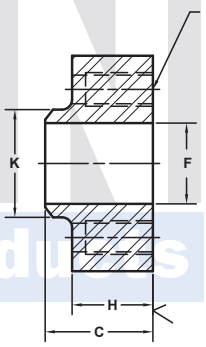


O-Ring Style



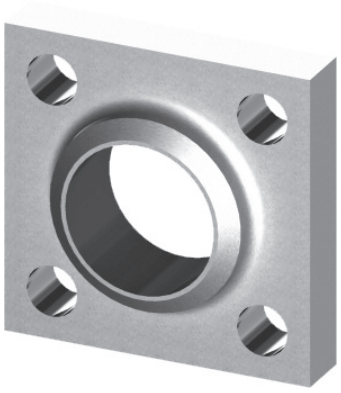
Model 6639 / 6643

Companion Style (Flat Face)



Model 6640 / 6644

MATERIAL:
316L Stainless



MAIN
Manufacturing products

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 / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
10	3/8	6643-06-06DM	1.50	.75	1.00	35	.974	.42	6.5	.73	.68	MKM 5546	M6 x 30	115	.5
		6644-06-06DM							M6x1			---	---	---	
13	1/2	6643-08-08DM	1.75	.88	1.12	42	1.170	.53	9.0	.81	.88	MKM 512	M8 x 35	210	.7
		6644-08-08DM							M8x1.25			---	---	---	
19	3/4	6643-12-12DM	2.00	1.00	1.25	50	1.392	.75	9.0	.90	1.12	MKM 5559	M8 x 35	214	1.0
		6644-12-12DM							M8x1.25			---	---	---	
25	1	6643-16-16DM	2.50	1.25	1.50	62	1.726	.94	11.0	1.00	1.38	MKM 503	M10 x 40	219	1.5
		6644-16-16DM							M10x1.5			---	---	---	
32	1 1/4	6643-20-20DM	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
		6644-20-20DM							M12x1.75			---	---	---	
38	1 1/2	6643-24-24DM	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
		6644-24-24DM							M16x2			---	---	---	
51	2	6643-32-32DM	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
		6644-32-32DM							M16x2			---	---	---	
56	2 1/2	6643-40-40DM	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
		6644-40-40DM							M20x2.5			---	---	---	
63	3	6643-48-48DM	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
		6644-48-48DM							M24x3			---	---	---	
70	3 1/2	6643-56-56DM	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
		6644-56-56DM							M24x3			---	---	---	
80	4	6643-64-64DM	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
		6644-64-64DM							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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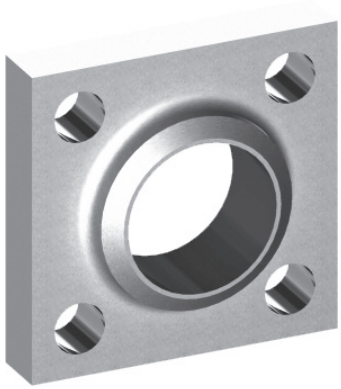
BUTT WELD IN-LINE FLANGES

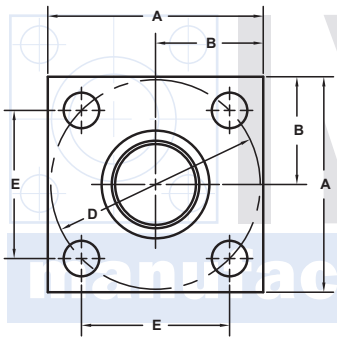
For Schedule 160 Pipe ⑥

ISO 6164 BOLT PATTERN — 250 BAR SERIES

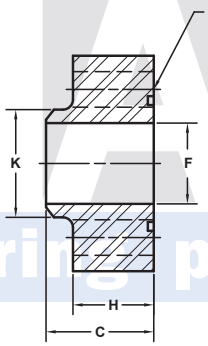
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
13	½	6647-08-08DM 6648-08-08DM	PLEASE USE THE 400 BAR SERIES FOUND BELOW. THE BLOCK SIZE, BOLT PATTERN AND THE O-RING ARE IDENTICAL IN FLANGE SIZES 13 - 38. IF YOU HAVE ANY QUESTIONS PLEASE CALL ENGINEERING AT 1-800-521-7918. MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**													
19	¾	6647-12-12DM 6648-12-12DM													
25	1	6647-16-16DM 6648-16-16DM													
32	1¼	6647-20-20DM 6648-20-20DM													
38	1½	6647-24-24DM 6648-24-24DM													
51	2	6647-32-32DM 6648-32-32DM	4.00	2.00	2.25	98	2.728	1.69	17.5 M16x2	1.60	2.50	MKM 3531 ---	M16 x 65 ---	228 ---	6.0
56	2½	6647-40-40DM 6648-40-40DM	4.75	2.38	2.50	118	3.285	2.12	22.0 M20x2.5	1.88	3.00	MKM 5573 ---	M20 x 80 ---	232 ---	9.4
63	3	6647-48-48DM 6648-48-48DM	5.50	2.75	3.00	145	4.037	2.62	22.0 M20x2.5	2.28	3.50	MKM 5558 ---	M20 x 90 ---	237 ---	15.7

MATERIAL:
316L Stainless



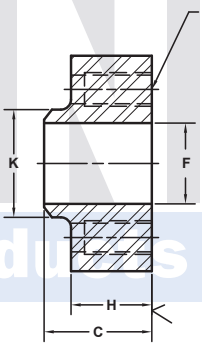


O-Ring Style



Model 6647 / 6651

Companion Style
(Flat Face)



Model 6648 / 6652

MAIN manufacturing products

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 / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
13	½	6651-08-08DM 6652-08-08DM	1.75	.88	1.12	42	1.170	.47	9.0 M8x1.25	.81	.88	MKM 512 ---	M8 x 35 ---	210 ---	.7
19	¾	6651-12-12DM 6652-12-12DM	2.00	1.00	1.25	50	1.392	.61	9.0 M8x1.25	.90	1.12	MKM 5559 ---	M8 x 35 ---	214 ---	1.0
25	1	6651-16-16DM 6652-16-16DM	2.50	1.25	1.50	62	1.726	.81	11.0 M10x1.5	1.00	1.38	MKM 503 ---	M10 x 40 ---	219 ---	1.7
32	1¼	6651-20-20DM 6652-20-20DM	3.00	1.50	1.75	73	2.032	1.16	13.5 M12x1.75	1.20	1.75	MKM 1502 ---	M12 x 50 ---	222 ---	2.7
38	1½	6651-24-24DM 6652-24-24DM	3.50	1.75	2.00	85	2.366	1.34	17.5 M16x2	1.44	2.00	MKM 515 ---	M16 x 60 ---	225 ---	4.2
51	2	6651-32-32DM 6652-32-32DM	4.00	2.00	2.25	98	2.728	1.69	17.5 M16x2	1.60	2.50	MKM 5560 ---	M16 x 65 ---	331 ---	6.1
56	2½	6651-40-40DM 6652-40-40DM	4.75	2.38	2.75	118	3.285	2.12	22.0 M20x2.5	1.98	3.00	MKM 5538 ---	M20 x 80 ---	335 ---	10.1
63	3	6651-48-48DM 6652-48-48DM	6.00	3.00	3.00	145	4.037	2.62	26.0 M24x3	2.12	3.50	MKM 5561 ---	M24 x 90 ---	337 ---	17.5
70	3½	6651-56-56DM 6652-56-56DM	6.50	3.25	3.50	160	4.454	2.73	26.0 M24x3	2.46	4.00	MKM 5562 ---	M24 x 100 ---	340 ---	25.0
80	4	6651-64-64DM 6652-64-64DM	7.00	3.50	4.00	175	4.872	3.15	33.0 M30x3.5	2.85	4.50	MKM 5563 ---	M30 x 120 ---	341 ---	31.5

① Order Separately

⑥ 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 XXS Pipe ⑥

ISO 6164 BOLT PATTERN — **250 BAR SERIES**

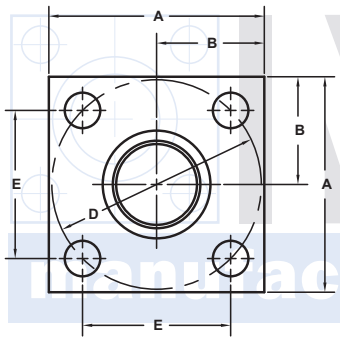
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	Dmm	E	F	Gmm / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
13	½	6655-08-08DM													
		6656-08-08DM													
19	¾	6655-12-12DM													
		6656-12-12DM													
25	1	6655-16-16DM													
		6656-16-16DM													
32	1¼	6655-20-20DM													
		6656-20-20DM													
38	1½	6655-24-24DM													
		6656-24-24DM													

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.

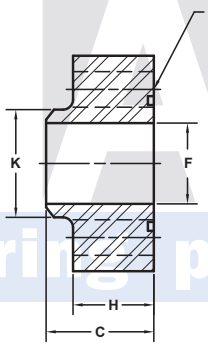
MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specifiy stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**).

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

51	2	6655-32-32DM	4.00	2.00	2.25	98	2.728	1.50	17.5 / M16x2	1.60	2.50	MKM 3531	M16 x 65	228	6.3
		6656-32-32DM										---	---	---	
56	2½	6655-40-40DM	4.75	2.38	2.50	118	3.285	1.77	22.0 / M20x2.5	1.88	3.00	MKM 5573	M20 x 80	232	10.0
		6656-40-40DM										---	---	---	
63	3	6655-48-48DM	5.50	2.75	3.00	145	4.037	2.30	22.0 / M20x2.5	2.28	3.50	MKM 5558	M20 x 90	237	16.5
		6656-48-48DM										---	---	---	

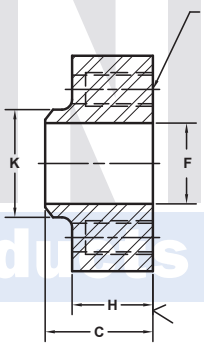


O-Ring Style



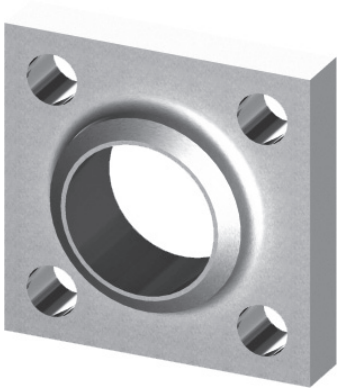
Model 6655 / 6659

Companion Style (Flat Face)



Model 6656 / 6660

MATERIAL:
316L Stainless



MAIN Manufacturing products

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 / Jmm	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
13	½	6659-08-08DM	1.75	.88	1.25	42	1.170	.25	9.0 / M8x1.25	.81	.88	MKM 512	M8 x 35	210	.8
		6660-08-08DM										---	---	---	
19	¾	6659-12-12DM	2.00	1.00	1.38	50	1.392	.44	9.0 / M8x1.25	.90	1.12	MKM 5559	M8 x 35	214	1.1
		6660-12-12DM										---	---	---	
25	1	6659-16-16DM	2.50	1.25	1.50	62	1.726	.60	11.0 / M10x1.5	1.00	1.38	MKM 503	M10 x 40	219	1.8
		6660-16-16DM										---	---	---	
32	1¼	6659-20-20DM	3.00	1.50	1.75	73	2.032	.89	13.5 / M12x1.75	1.20	1.75	MKM 1502	M12 x 50	222	2.8
		6660-20-20DM										---	---	---	
38	1½	6659-24-24DM	3.50	1.75	2.00	85	2.366	1.10	17.5 / M16x2	1.44	2.00	MKM 515	M16 x 60	225	4.4
		6660-24-24DM										---	---	---	
51	2	6659-32-32DM	4.00	2.00	2.25	98	2.728	1.50	17.5 / M16x2	1.60	2.50	MKM 5560	M16 x 65	331	6.3
		6660-32-32DM										---	---	---	
56	2½	6659-40-40DM	4.75	2.38	2.75	118	3.285	1.77	22.0 / M20x2.5	1.98	3.00	MKM 5538	M20 x 80	335	10.8
		6660-40-40DM										---	---	---	
63	3	6659-48-48DM	6.00	3.00	3.00	145	4.037	2.30	26.0 / M24x3	2.12	3.50	MKM 5561	M24 x 90	337	18.3
		6660-48-48DM										---	---	---	
70	3½	6659-56-56DM	6.50	3.25	3.50	160	4.454	2.73	26.0 / M24x3	2.46	4.00	MKM 5562	M24 x 100	340	25.0
		6660-56-56DM										---	---	---	
80	4	6659-64-64DM	7.00	3.50	4.00	175	4.872	3.15	33.0 / M30x3.5	2.85	4.50	MKM 5563	M30 x 120	341	31.5
		6660-64-64DM										---	---	---	

① Order Separately

⑥ Other Pipe and Tube Sizes are Available

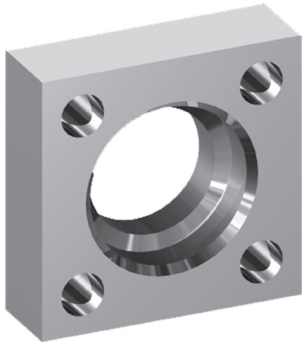
NOTE: Dimensions are in Inches Unless Otherwise Noted.

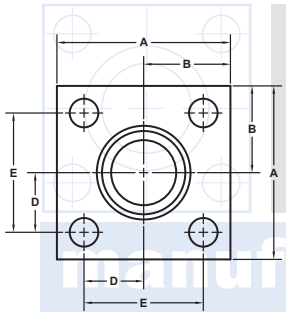
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SOCKET WELD PIPE IN-LINE FLANGES

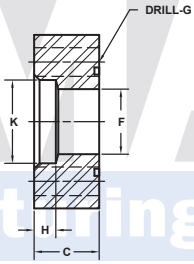
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
¾	¾	6387-12-12D	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
		6388-12-12D							3/8-16			---	---	---	
1	1	6387-16-16D	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
		6388-16-16D							1/2-13			---	---	---	
1¼	1¼	6387-20-20D	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
		6388-20-20D							1/2-13			---	---	---	
1½	1½	6387-24-24D	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
		6388-24-24D							5/8-11			---	---	---	
2	2	6387-32-32D	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
		6388-32-32D							5/8-11			---	---	---	
2½	2½	6387-40-40D	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
		6388-40-40D							7/8-9			---	---	---	
3	3	6387-48-48D	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
		6388-48-48D							7/8-9			---	---	---	
3½	3½	6387-56-56D	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
		6388-56-56D							7/8-9			---	---	---	
4	4	6387-64-64D	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
		6388-64-64D							1-8			---	---	---	
5	5	6387-80-80D	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
		6388-80-80D							1-8			---	---	---	
6	6	6387-96-96D	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
		6388-96-96D							1 1/4-7			---	---	---	



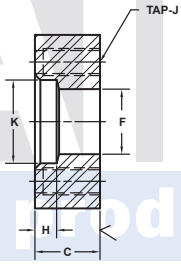


O-Ring Style



Model 6387 / 6389

Companion Style (Flat Face)



Model 6388 / 6390

MATERIAL:
316L Stainless

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

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

6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6389-08-08D	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
		6390-08-08D							3/8-16			---	---	---	
¾	¾	6389-12-12D	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
		6390-12-12D							3/8-16			---	---	---	
1	1	6389-16-16D	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
		6390-16-16D							1/2-13			---	---	---	
1¼	1¼	6389-20-20D	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
		6390-20-20D							5/8-11			---	---	---	
1½	1½	6389-24-24D	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
		6390-24-24D							5/8-11			---	---	---	
2	2	6389-32-32D	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
		6390-32-32D							3/4-10			---	---	---	
2½	2½	6389-40-40D	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
		6390-40-40D							7/8-9			---	---	---	
3	3	6389-48-48D	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
		6390-48-48D							1-8			---	---	---	
3½	3½	6389-56-56D	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
		6390-56-56D							1 1/4-7			---	---	---	
4	4	6389-64-64D	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
		6390-64-64D							1 1/4-7			---	---	---	
5	5	6389-80-80D	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
		6390-80-80D							1 1/2-6			---	---	---	

① Order Separately

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BLIND FLANGES

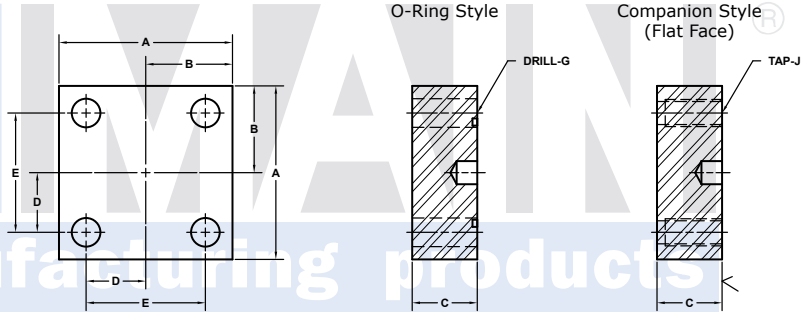
3000 SERIES SQUARE BOLT PATTERN

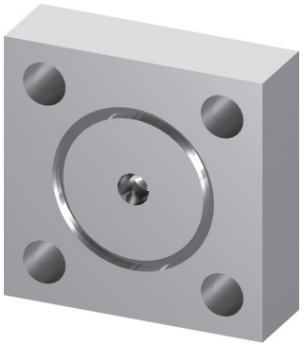
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	G / J	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
3/4	3/4	6387-12-00D	2.25	1.12	1.00	.719	1.438	.41	MK 528	3/8-16 x 1 3/4	216	1.3
		6388-12-00D						3/8-16	---	---	---	
1	1	6387-16-00D	3.00	1.50	1.00	1.000	2.000	.53	MK 529	1/2-13 x 1 3/4	222	2.3
		6388-16-00D						1/2-13	---	---	---	
1 1/4	1 1/4	6387-20-00D	3.00	1.50	1.00	1.000	2.000	.53	MK 529	1/2-13 x 1 3/4	222	2.3
		6388-20-00D						1/2-13	---	---	---	
1 1/2	1 1/2	6387-24-00D	4.00	2.00	1.25	1.375	2.750	.66	MK 530	5/8-11 x 2 1/4	228	5.3
		6388-24-00D						5/8-11	---	---	---	
2	2	6387-32-00D	4.00	2.00	1.25	1.375	2.750	.66	MK 530	5/8-11 x 2 1/4	228	5.3
		6388-32-00D						5/8-11	---	---	---	
2 1/2	2 1/2	6387-40-00D	5.50	2.75	1.50	1.875	3.750	.94	MK 531	7/8-9 x 2 3/4	236	11.9
		6388-40-00D						7/8-9	---	---	---	
3	3	6387-48-00D	5.50	2.75	1.50	1.875	3.750	.94	MK 531	7/8-9 x 2 3/4	236	11.9
		6388-48-00D						7/8-9	---	---	---	
3 1/2	3 1/2	6387-56-00D	6.00	3.00	1.75	2.125	4.250	.94	MK 589	7/8-9 x 3	240	16.8
		6388-56-00D						7/8-9	---	---	---	
4	4	6387-64-00D	7.00	3.50	2.00	2.500	5.000	1.06	MK 572	1-8 x 3 1/2	347	26.2
		6388-64-00D						1-8	---	---	---	
5	5	6387-80-00D	8.00	4.00	2.50	3.000	6.000	1.06	MK 590	1-8 x 4	355	43.0
		6388-80-00D						1-8	---	---	---	
6	6	6387-96-00D	10.00	5.00	2.50	3.500	7.000	1.31	MK 573	1 1/4-7 x 4 1/2	362	67.3
		6388-96-00D						1 1/4-7	---	---	---	

MATERIAL:
316L Stainless

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

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





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6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	G / J	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
1/2	1/2	6389-08-00D	2.25	1.12	1.00	.719	1.438	.41	MK 2501	3/8-16 x 1 3/4	210	1.3
		6390-08-00D						3/8-16	---	---	---	
3/4	3/4	6389-12-00D	2.50	1.25	1.00	.875	1.750	.41	MK 2502	3/8-16 x 1 3/4	214	1.6
		6390-12-00D						3/8-16	---	---	---	
1	1	6389-16-00D	3.00	1.50	1.00	1.000	2.000	.53	MK 2503	1/2-13 x 2	219	2.2
		6390-16-00D						1/2-13	---	---	---	
1 1/4	1 1/4	6389-20-00D	4.00	2.00	1.25	1.375	2.750	.66	MK 2504	5/8-11 x 2 1/2	222	5.1
		6390-20-00D						5/8-11	---	---	---	
1 1/2	1 1/2	6389-24-00D	4.00	2.00	1.50	1.375	2.750	.66	MK 2505	5/8-11 x 2 3/4	225	6.4
		6390-24-00D						5/8-11	---	---	---	
2	2	6389-32-00D	5.00	2.50	1.75	1.750	3.500	.78	MK 2506	3/4-10 x 3 1/2	228	11.6
		6390-32-00D						3/4-10	---	---	---	
2 1/2	2 1/2	6389-40-00D	5.50	2.75	1.75	1.875	3.750	.94	MK 2507	7/8-9 x 3 1/2	232	14.1
		6390-40-00D						7/8-9	---	---	---	
3	3	6389-48-00D	7.00	3.50	2.00	2.375	4.750	1.06	MK 2508	1-8 x 4	236	26.1
		6390-48-00D						1-8	---	---	---	
3 1/2	3 1/2	6389-56-00D	8.00	4.00	2.50	2.750	5.500	1.31	MK 2509	1 1/4-7 x 5	342	40.8
		6390-56-00D						1 1/4-7	---	---	---	
4	4	6389-64-00D	8.50	4.25	2.50	3.000	6.000	1.31	MK 2510	1 1/4-7 x 5	346	47.0
		6390-64-00D						1 1/4-7	---	---	---	
5	5	6389-80-00D	10.00	5.00	3.00	3.625	7.250	1.56	MK 2511	1 1/2-6 x 6	353	79.0
		6390-80-00D						1 1/2-6	---	---	---	

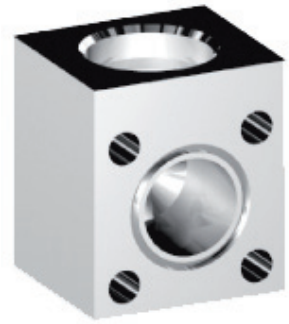
① Order Separately

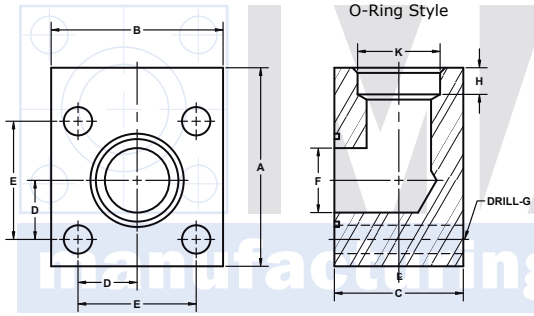
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SOCKET WELD PIPE ELBOW FLANGES

3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6411-08-08D	2.75	2.25	1.50	.719	1.438	.50	.41	.50	.860	MK 532	3/8-16 x 2 1/4	216	2.3
		6412-08-08D							3/8-16			---------	---------	---	
¾	¾	6411-12-12D	2.75	2.25	1.50	.719	1.438	.75	.41	.50	1.070	MK 532	3/8-16 x 2 1/4	216	2.0
		6412-12-12D							3/8-16			---------	---------	---	
1	1	6411-16-16D	3.50	3.00	2.00	1.000	2.000	1.00	.53	.50	1.335	MK 533	1/2-13 x 2 3/4	222	4.8
		6412-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6411-20-20D	3.50	3.00	2.25	1.000	2.000	1.25	.53	.50	1.680	MK 534	1/2-13 x 3	222	5.1
		6412-20-20D							1/2-13			---------	---------	---	
1½	1½	6411-24-24D	4.62	4.00	3.00	1.375	2.750	1.50	.66	.62	1.920	MK 535	5/8-11 x 4	228	12.1
		6412-24-24D							5/8-11			---------	---------	---	
2	2	6411-32-32D	4.62	4.00	3.50	1.375	2.750	1.94	.66	.62	2.411	MK 1598	5/8-11 x 4 1/2	228	13.1
		6412-32-32D							5/8-11			---------	---------	---	
2½	2½	6411-40-40D	6.25	5.50	4.00	1.875	3.750	2.44	.94	.75	2.911	MK 536	7/8-9 x 5 1/2	236	28.6
		6412-40-40D							7/8-9			---------	---------	---	
3	3	6411-48-48D	6.25	5.50	4.50	1.875	3.750	2.88	.94	.75	3.540	MK 537	7/8-9 x 6	236	31.9
		6412-48-48D							7/8-9			---------	---------	---	
3½	3½	6411-56-56D	7.00	6.00	5.50	2.125	4.250	3.38	.94	.75	4.045	MK 3528	7/8-9 x 7	240	47.2
		6412-56-56D							7/8-9			---------	---------	---	
4	4	6411-64-64D	8.00	7.00	6.00	2.500	5.000	3.88	1.06	1.00	4.550	MK 2573	1-8 x 7 1/2	347	66.8
		6412-64-64D							1-8			---------	---------	---	
5	5	6411-80-80D	9.00	8.00	7.00	3.000	6.000	4.81	1.06	1.00	5.635	MK 3522	1-8 x 8 1/2	355	97.0
		6412-80-80D							1-8			---------	---------	---	





Model 6411 / 6413 Model 6412 / 6414

MATERIAL:
316L Stainless

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

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

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6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6413-08-08D	2.75	2.25	1.50	.719	1.438	.50	.41	.50	.860	MK 5515	3/8-16 x 2 1/4	210	2.2
		6414-08-08D							3/8-16			---------	---------	---	
¾	¾	6413-12-12D	3.00	2.50	1.75	.875	1.750	.62	.41	.50	1.070	MK 542	3/8-16 x 2 1/2	214	3.2
		6414-12-12D							3/8-16			---------	---------	---	
1	1	6413-16-16D	3.50	3.00	2.25	1.000	2.000	.81	.53	.50	1.335	MK 5516	1/2-13 x 2 3/4	219	5.5
		6414-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6413-20-20D	4.62	4.00	3.00	1.375	2.750	1.16	.66	.50	1.680	MK 5517	5/8-11 x 4	222	13.1
		6414-20-20D							5/8-11			---------	---------	---	
1½	1¼	6413-24-20D	4.62	4.00	3.00	1.375	2.750	1.34	.66	.50	1.680	MK 553	5/8-11 x 4	225	13.0
		6414-24-20D							5/8-11			---------	---------	---	
1½	1½	6413-24-24D	4.62	4.00	3.00	1.375	2.750	1.34	.66	.62	1.920	MK 553	5/8-11 x 4	225	12.5
		6414-24-24D							5/8-11			---------	---------	---	
1½	2	6413-24-32D	4.62	4.00	3.50	1.375	2.750	1.34	.66	.62	2.411	MK 1587	5/8-11 x 4 1/2	225	14.6
		6414-24-32D							5/8-11			---------	---------	---	
2	1½	6413-32-24D	5.50	5.00	4.00	1.750	3.500	1.69	.78	.62	1.920	MK 4580	3/4-10 x 5 1/2	228	26.5
		6414-32-24D							3/4-10			---------	---------	---	
2	2	6413-32-32D	5.50	5.00	4.00	1.750	3.500	1.69	.78	.62	2.411	MK 4580	3/4-10 x 5 1/2	228	25.5
		6414-32-32D							3/4-10			---------	---------	---	
2½	2½	6413-40-40D	6.25	5.50	4.50	1.875	3.750	2.12	.94	.75	2.911	MK 2557	7/8-9 x 6	232	34.0
		6414-40-40D							7/8-9			---------	---------	---	
3	3	6413-48-48D	8.00	7.00	5.00	2.375	4.750	2.62	1.06	.75	3.540	MK 5518	1-8 x 7	236	64.0
		6414-48-48D							1-8			---------	---------	---	

① Order Separately

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STAINLESS STEEL PART NUMBERING

CATALOG PART NUMBERING SYSTEM

To change any **Main Manufacturing Products'** part number in this catalog to 304L stainless change the D to B.
To change to carbon steel, subtract 5 from the first digit and remove the SS Grade Option from the end of the part number:

316/316L Stainless Steel Part Number: **6103 - 20 - 16 D**

304/304L Stainless Steel Part Number: **6103 - 20 - 16 B**

Carbon Steel Part Number: **1103 - 20 - 16**

6 103 20 16 D M**

TYPE | **MODEL** | **PAD SIZE** | **PORT SIZE** | **OPTION**

Stainless Steel

Grade Specified by Option Code

6 = Standard - No Gauge Port
7 = 1/4" NPTF Gauge Port
8 = -4 ORB (7/16-20) Gauge Port

Carbon Steel

1 = Standard - No Gauge Port
2 = 1/4" NPTF Gauge Port
3 = -4 ORB (7/16-20) Gauge Port

Indicated in 1/16ths

08 = 1/2"
12 = 3/4"
16 = 1"
20 = 1 1/4"
24 = 1 1/2"
32 = 2"
40 = 2 1/2"
48 = 3"
56 = 3 1/2"
64 = 4"
80 = 5"
96 = 6"

00 = NO PORT

SS Grade

D = 316/316L
B = 304/304L

Metric

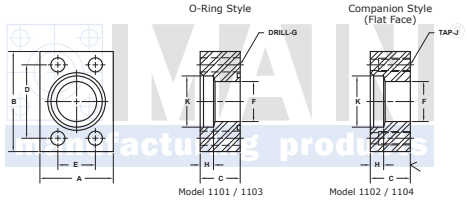
M** = Metric and screw size
EXAMPLE:
M12 - for use with M12 screws

SOCKET WELD PIPE IN-LINE FLANGES

SAE BOLT PATTERN												61 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---------	---------	---	
¾	¾	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	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			---------	---------	---	
1¼	1¼	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			---------	---------	---	
1½	1½	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			---------	---------	---	
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			---------	---------	---	
2½②	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			---------	---------	---	
3③	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			---------	---------	---	
3½④	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			---------	---------	---	
4④	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			---------	---------	---	
5④	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





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 KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---------	---------	---	
¾	¾	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	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			---------	---------	---	
1¼	1¼	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			---------	---------	---	
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			---------	---------	---	
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	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			---------	---------	---	

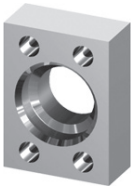
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

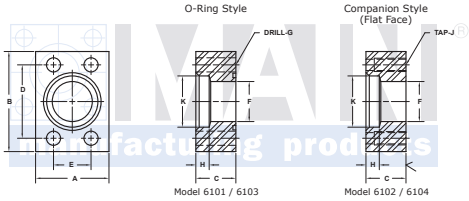
SOCKET WELD PIPE IN-LINE FLANGES

SAE BOLT PATTERN												61 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---------	---------	---	
¾	¾	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			---------	---------	---	
1¼	1¼	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			---------	---------	---	
1½	1½	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			---------	---------	---	
2½②	2½	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			---------	---------	---	
3③	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			---------	---------	---	
3½④	3½	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			---------	---------	---	
4④	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			---------	---------	---	
5④	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			---------	---------	---	

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 501**SS**).
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:
304L Stainless





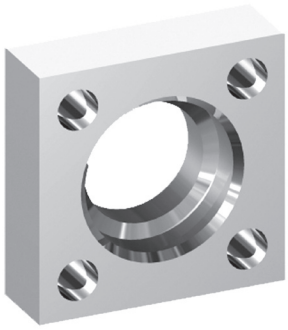
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN												62 SERIES							
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	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			---------	---------	---	
¾	¾	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			---------	---------	---	
1¼	1¼	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			---------	---------	---	
1½	1½	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			---------	---------	---	
2½	2½	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			---------	---------	---	

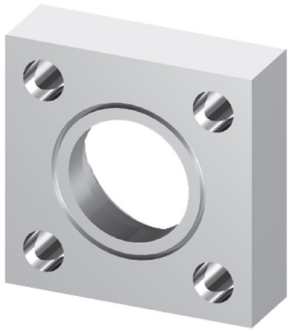
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

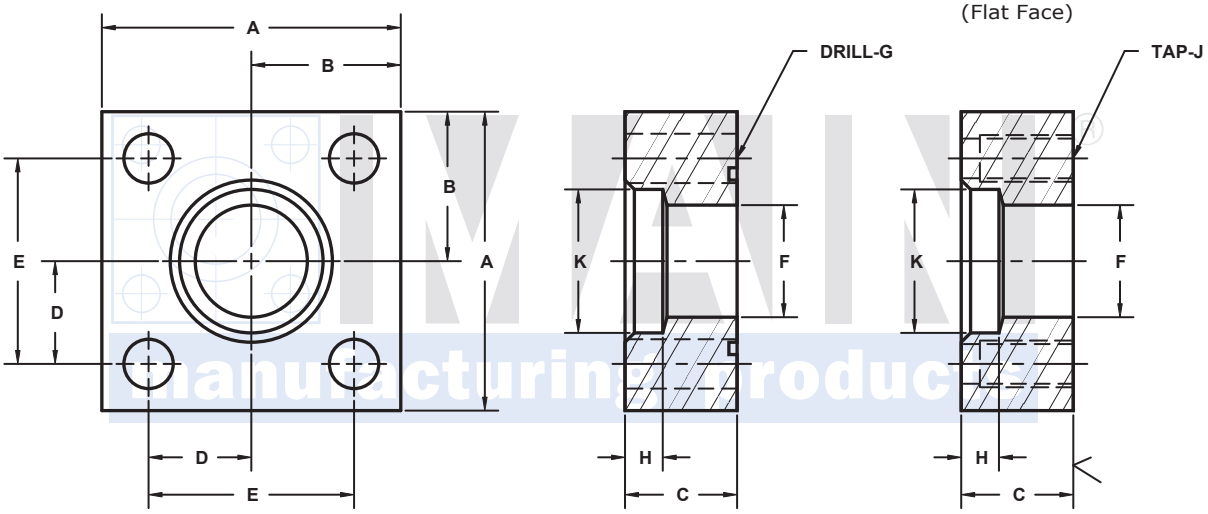
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SOCKET WELD TUBE IN-LINE FLANGES



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 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**





MATERIAL: **316L** Stainless

Model 6391 Model 6392

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

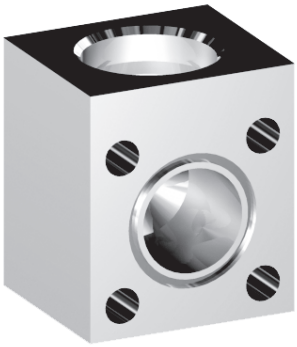
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6391-08-08D	2.25	1.12	1.00	.719	1.438	.38	.41	.50	.510	MK 528	3/8-16 x 1 3/4	216	1.2
		6392-08-08D							3/8-16			---------	---------	---	
¾	¾	6391-12-12D	2.25	1.12	1.00	.719	1.438	.50	.41	.50	.760	MK 528	3/8-16 x 1 3/4	216	1.2
		6392-12-12D							3/8-16			---------	---------	---	
¾	1	6391-12-16D	2.25	1.12	1.00	.719	1.438	.75	.41	.50	1.010	MK 528	3/8-16 x 1 3/4	216	1.1
		6392-12-16D							3/8-16			---------	---------	---	
1	¾	6391-16-12D	3.00	1.50	1.00	1.000	2.000	.50	.53	.50	.760	MK 529	1/2-13 x 1 3/4	222	2.2
		6392-16-12D							1/2-13			---------	---------	---	
1	1	6391-16-16D	3.00	1.50	1.00	1.000	2.000	.75	.53	.50	1.010	MK 529	1/2-13 x 1 3/4	222	2.1
		6392-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6391-20-20D	3.00	1.50	1.00	1.000	2.000	1.00	.53	.50	1.260	MK 529	1/2-13 x 1 3/4	222	2.0
		6392-20-20D							1/2-13			---------	---------	---	
1¼	1½	6391-20-24D	3.00	1.50	1.00	1.000	2.000	1.25	.53	.50	1.510	MK 529	1/2-13 x 1 3/4	222	1.8
		6392-20-24D							1/2-13			---------	---------	---	
1½	1¼	6391-24-20D	4.00	2.00	1.25	1.375	2.750	1.00	.66	.50	1.260	MK 530	5/8-11 x 2 1/4	228	4.8
		6392-24-20D							5/8-11			---------	---------	---	
1½	1½	6391-24-24D	4.00	2.00	1.25	1.375	2.750	1.25	.66	.50	1.510	MK 530	5/8-11 x 2 1/4	228	4.6
		6392-24-24D							5/8-11			---------	---------	---	
2	2	6391-32-32D	4.00	2.00	1.25	1.375	2.750	1.75	.66	.62	2.010	MK 530	5/8-11 x 2 1/4	228	4.1
		6392-32-32D							5/8-11			---------	---------	---	
2	2¼	6391-32-36D	4.00	2.00	1.25	1.375	2.750	1.94	.66	.62	2.260	MK 530	5/8-11 x 2 1/4	228	3.9
		6392-32-36D							5/8-11			---------	---------	---	
2	2½	6391-32-40D	4.00	2.00	1.25	1.375	2.750	1.94	.66	.62	2.510	MK 530	5/8-11 x 2 1/4	228	3.7
		6392-32-40D							5/8-11			---------	---------	---	
2½	2½	6391-40-40D	5.50	2.75	1.50	1.875	3.750	1.94	.94	.62	2.510	MK 531	7/8-9 x 2 3/4	236	10.0
		6392-40-40D							7/8-9			---------	---------	---	
2½	2¾	6391-40-44D	5.50	2.75	1.50	1.875	3.750	2.44	.94	.75	2.760	MK 531	7/8-9 x 2 3/4	236	9.3
		6392-40-44D							7/8-9			---------	---------	---	

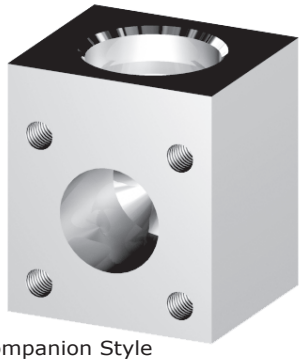
① Order Separately

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SOCKET WELD TUBE ELBOW FLANGES

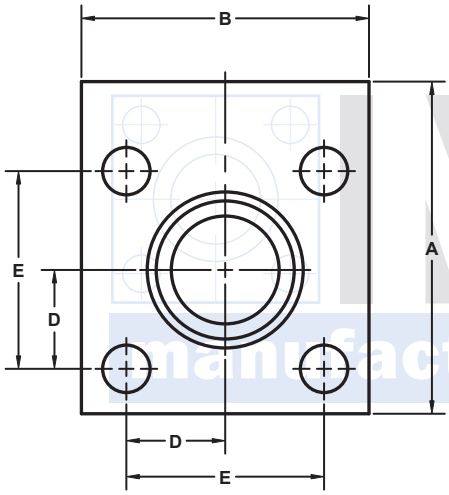


MOUNTING KITs listed contain carbon steel bolts and Buna N O-Ring. To specify stainless Grade 18-8 bolts, add an SS at the end of the kit number (MK 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**

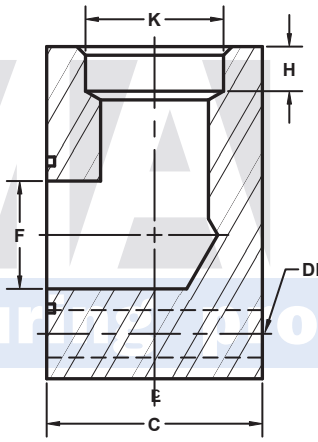


O-Ring Style

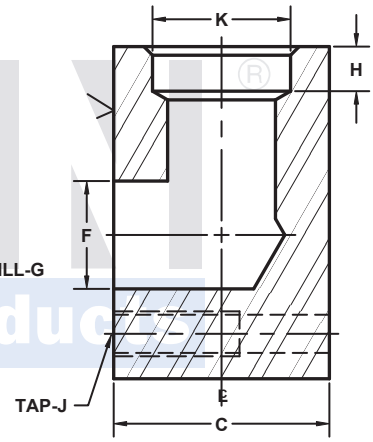
Companion Style (Flat Face)



MATERIAL: **316L** Stainless



Model 6415



Model 6416

MAIN
manufacturer of products

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

3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	TUBE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6415-08-08D	2.75	2.25	1.50	.719	1.438	.31	.41	.50	.510	MK 532	3/8-16 x 2 1/4	216	2.3
		6416-08-08D							3/8-16			---	---	---	
¾	¾	6415-12-12D	2.75	2.25	1.50	.719	1.438	.62	.41	.50	.760	MK 532	3/8-16 x 2 1/4	216	2.2
		6416-12-12D							3/8-16			---	---	---	
¾	1	6415-12-16D	2.75	2.25	1.50	.719	1.438	.75	.41	.50	1.010	MK 532	3/8-16 x 2 1/4	216	2.0
		6416-12-16D							3/8-16			---	---	---	
1	1	6415-16-16D	3.50	3.00	2.00	1.000	2.000	1.00	.53	.50	1.010	MK 533	1/2-13 x 2 3/4	222	4.9
		6416-16-16D							1/2-13			---	---	---	
1¼	1¼	6415-20-20D	3.50	3.00	2.00	1.000	2.000	1.00	.53	.50	1.260	MK 533	1/2-13 x 2 3/4	222	4.7
		6416-20-20D							1/2-13			---	---	---	
1¼	1½	6415-20-24D	3.50	3.00	2.00	1.000	2.000	1.25	.53	.50	1.510	MK 533	1/2-13 x 2 3/4	222	4.3
		6416-20-24D							1/2-13			---	---	---	
1½	1½	6415-24-24D	4.62	4.00	3.00	1.375	2.750	1.50	.66	.62	1.510	MK 535	5/8-11 x 4	228	12.7
		6416-24-24D							5/8-11			---	---	---	
2	2	6415-32-32D	4.62	4.00	3.00	1.375	2.750	1.75	.66	.62	2.010	MK 535	5/8-11 x 4	228	11.7
		6416-32-32D							5/8-11			---	---	---	
2	2¼	6415-32-36D	4.62	4.00	3.00	1.375	2.750	1.94	.66	.62	2.260	MK 535	5/8-11 x 4	228	11.3
		6416-32-36D							5/8-11			---	---	---	

① Order Separately

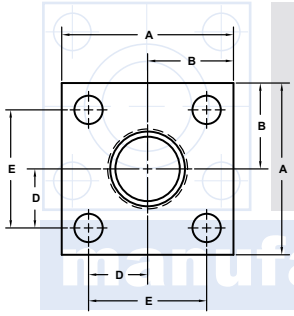
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NPTF THREADED IN-LINE FLANGES

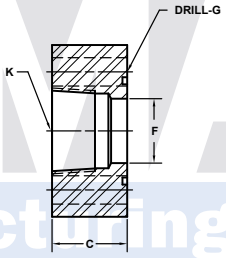
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J		K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
¾	¾	6435-12-12D	2.25	1.12	1.25	.719	1.438	.75	.41		3/4	MK 538	3/8-16 x 2	216	1.4
		6436-12-12D							3/8-16			---------	---------	---	
1	1	6435-16-16D	3.00	1.50	1.50	1.000	2.000	1.00	.53		1	MK 539	1/2-13 x 2 1/4	222	3.1
		6436-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6435-20-20D	3.00	1.50	1.50	1.000	2.000	1.25	.53		1 1/4	MK 539	1/2-13 x 2 1/4	222	2.7
		6436-20-20D							1/2-13			---------	---------	---	
1½	1¼	6435-24-20D	4.00	2.00	1.75	1.375	2.750	1.50	.66		1 1/4	MK 540	5/8-11 x 2 3/4	228	6.2
		6436-24-20D							5/8-11			---------	---------	---	
1½	1½	6435-24-24D	4.00	2.00	1.75	1.375	2.750	1.50	.66		1 1/2	MK 540	5/8-11 x 2 3/4	228	6.2
		6436-24-24D							5/8-11			---------	---------	---	
2	2	6435-32-32D	4.00	2.00	1.75	1.375	2.750	1.94	.66		2	MK 540	5/8-11 x 2 3/4	228	5.5
		6436-32-32D							5/8-11			---------	---------	---	
2½	2	6435-40-32D	5.50	2.75	2.25	1.875	3.750	2.12	.94		2	MK 1517	7/8-9 x 3 1/2	236	14.8
		6436-40-32D							7/8-9			---------	---------	---	
2½	2½	6435-40-40D	5.50	2.75	2.25	1.875	3.750	2.44	.94		2 1/2	MK 1517	7/8-9 x 3 1/2	236	14.5
		6436-40-40D							7/8-9			---------	---------	---	
3	3	6435-48-48D	5.50	2.75	2.25	1.875	3.750	2.88	.94		3	MK 1517	7/8-9 x 3 1/2	236	12.8
		6436-48-48D							7/8-9			---------	---------	---	
3½	3½	6435-56-56D	6.00	3.00	2.50	2.125	4.250	3.38	.94		3 1/2	MK 4546	7/8-9 x 4	240	16.1
		6436-56-56D							7/8-9			---------	---------	---	
4	4	6435-64-64D	7.00	3.50	2.50	2.500	5.000	3.88	1.06		4	MK 3552	1-8 x 4	347	22.5
		6436-64-64D							1-8			---------	---------	---	

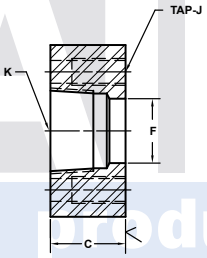




O-Ring Style



Companion Style (Flat Face)



MATERIAL:
316L Stainless

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

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

Model 6435 / 6437 Model 6436 / 6438

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		K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6437-08-08D	2.25	1.12	1.25	.719	1.438	.50	.41		1/2	MK 4541	3/8-16 x 2	210	1.6
		6438-08-08D							3/8-16			---------	---------	---	
¾	¾	6437-12-12D	2.50	1.25	1.25	.875	1.750	.61	.41		3/4	MK 520	3/8-16 x 2	214	2.0
		6438-12-12D							3/8-16			---------	---------	---	
1	1	6437-16-16D	3.00	1.50	1.50	1.000	2.000	.81	.53		1	MK 4542	1/2-13 x 2 1/2	219	3.2
		6438-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6437-20-20D	4.00	2.00	1.50	1.375	2.750	1.16	.66		1 1/4	MK 4543	5/8-11 x 2 3/4	222	5.7
		6438-20-20D							5/8-11			---------	---------	---	
1½	1½	6437-24-24D	4.00	2.00	1.75	1.375	2.750	1.34	.66		1 1/2	MK 1595	5/8-11 x 3	225	6.5
		6438-24-24D							5/8-11			---------	---------	---	
2	1½	6437-32-24D	5.00	2.50	1.75	1.750	3.500	1.74	.78		1 1/2	MK 2506	3/4-10 x 3 1/2	228	10.7
		6438-32-24D							3/4-10			---------	---------	---	
2	2	6437-32-32D	5.00	2.50	1.75	1.750	3.500	1.69	.78		2	MK 2506	3/4-10 x 3 1/2	228	10.0
		6438-32-32D							3/4-10			---------	---------	---	
2½	2½	6437-40-40D	5.50	2.75	2.25	1.875	3.750	2.12	.94		2 1/2	MK 5513	7/8-9 x 4	232	15.0
		6438-40-40D							7/8-9			---------	---------	---	
3	3	6437-48-48D	7.00	3.50	2.25	2.375	4.750	2.62	1.06		3	MK 5545	1-8 x 4 1/2	236	24.5
		6438-48-48D							1-8			---------	---------	---	
3½	3½	6437-56-56D	8.00	4.00	2.50	2.750	5.500	3.00	1.31		3 1/2	MK 2509	1 1/4-7 x 5	342	34.3
		6438-56-56D							1 1/4-7			---------	---------	---	
4	4	6437-64-64D	8.50	4.25	2.50	3.000	6.000	3.44	1.31		4	MK 2510	1 1/4-7 x 5	346	37.9
		6438-64-64D							1 1/4-7			---------	---------	---	

① Order Separately

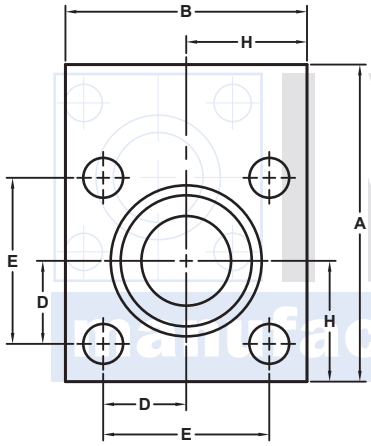
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NPTF THREADED ELBOW FLANGES

3000 SERIES SQUARE BOLT PATTERN

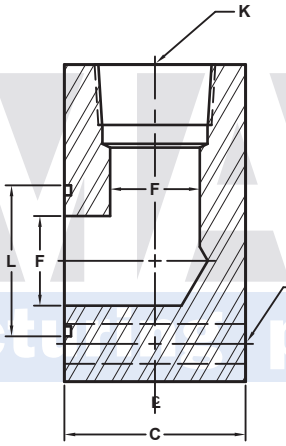
FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6459-08-08D	3.12	2.25	1.50	.719	1.438	.50	.41	1.12	1/2	MK 532	3/8-16 x 2 1/4	216	1.8
		6460-08-08D							3/8-16			---------	---------	---	
¾	¾	6459-12-12D	3.12	2.25	1.50	.719	1.438	.75	.41	1.12	3/4	MK 532	3/8-16 x 2 1/4	216	3.0
		6460-12-12D							3/8-16			---------	---------	---	
1	1	6459-16-16D	4.12	3.00	2.00	1.000	2.000	1.00	.53	1.50	1	MK 533	1/2-13 x 2 3/4	222	4.8
		6460-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6459-20-20D	4.12	3.00	2.25	1.000	2.000	1.25	.53	1.50	1 1/4	MK 534	1/2-13 x 3	222	7.3
		6460-20-20D							1/2-13			---------	---------	---	
1½	1½	6459-24-24D	5.25	4.00	3.00	1.375	2.750	1.50	.66	2.00	1 1/2	MK 535	5/8-11 x 4	228	10.2
		6460-24-24D							5/8-11			---------	---------	---	
2	2	6459-32-32D	5.25	4.00	3.00	1.375	2.750	1.94	.66	2.00	2	MK 535	5/8-11 x 4	228	11.5
		6460-32-32D							5/8-11			---------	---------	---	
2½	2½	6459-40-40D	7.12	5.50	4.00	1.875	3.750	2.44	.94	2.75	2 1/2	MK 536	7/8-9 x 5 1/2	236	10.2
		6460-40-40D							7/8-9			---------	---------	---	
3	3	6459-48-48D	7.12	5.50	4.50	1.875	3.750	2.88	.94	2.75	3	MK 537	7/8-9 x 6	236	11.5
		6460-48-48D							7/8-9			---------	---------	---	

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 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**



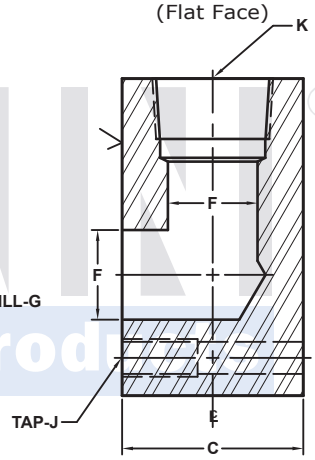
MATERIAL: **316L** Stainless

O-Ring Style

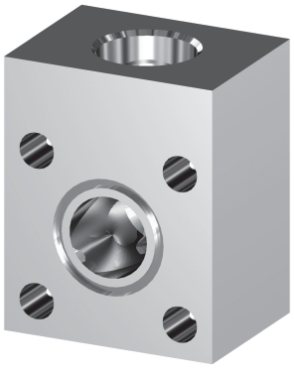


Model 6459 / 6461

Companion Style (Flat Face)



Model 6460 / 6462



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 NPTF	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	½	6461-08-08D	3.00	2.25	1.50	.719	1.438	.50	.41	1.12	1/2	MK 5515	3/8-16 x 2 1/4	210	2.0
		6462-08-08D							3/8-16			---------	---------	---	
¾	¾	6461-12-12D	3.50	2.50	1.75	.875	1.750	.62	.41	1.25	3/4	MK 542	3/8-16 x 2 1/2	214	3.3
		6462-12-12D							3/8-16			---------	---------	---	
1	1	6461-16-16D	4.50	3.00	2.00	1.000	2.000	.81	.53	1.50	1	MK 5516	1/2-13 x 2 3/4	219	5.7
		6462-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6461-20-20D	5.00	4.00	3.00	1.375	2.750	1.12	.66	2.00	1 1/4	MK 5517	5/8-11 x 4	222	9.0
		6462-20-20D							5/8-11			---------	---------	---	
1½	1½	6461-24-24D	5.00	4.00	3.00	1.375	2.750	1.38	.66	2.00	1 1/2	MK 553	5/8-11 x 4	225	13.0
		6462-24-24D							5/8-11			---------	---------	---	
2	2	6461-32-32D	6.50	5.00	4.00	1.750	3.500	1.69	.78	2.50	2	MK 4580	3/4-10 x 5 1/2	228	22.8
		6462-32-32D							3/4-10			---------	---------	---	

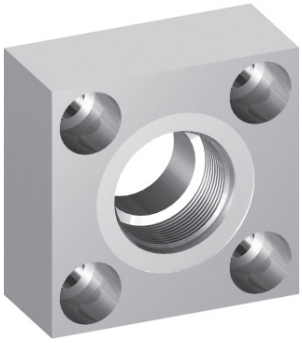
① Order Separately

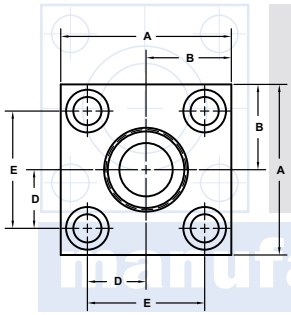
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SAE J1926 THREADED IN-LINE FLANGES

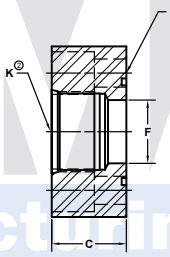
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-6	6439-08-06D	2.25	1.12	1.25	.719	1.438	.47	.41	9/16-18	MK 580	3/8-16 x 1 1/4	216	1.5
		6440-08-06D							3/8-16		---	---	---	
½	-8	6439-08-08D	2.25	1.12	1.25	.719	1.438	.50	.41	3/4-16	MK 580	3/8-16 x 1 1/4	216	1.5
		6440-08-08D							3/8-16		---	---	---	
¾	-10	6439-12-10D	2.25	1.12	1.25	.719	1.438	.50	.41	7/8-14	MK 580	3/8-16 x 1 1/4	216	1.4
		6440-12-10D							3/8-16		---	---	---	
¾	-12	6439-12-12D	2.25	1.12	1.50	.719	1.438	.75	.41	1 1/16-12	MK 1522	3/8-16 x 1 1/2	216	1.4
		6440-12-12D							3/8-16		---	---	---	
1	-14	6439-16-14D	3.00	1.50	1.50	1.000	2.000	.75	.53	1 3/16-12	MK 1523	1/2-13 x 1 1/2	222	2.8
		6440-16-14D							1/2-13		---	---	---	
1	-16	6439-16-16D	3.00	1.50	1.50	1.000	2.000	1.00	.53	1 5/16-12	MK 1523	1/2-13 x 1 1/2	222	2.7
		6440-16-16D							1/2-13		---	---	---	
1¼	-20	6439-20-20D	3.00	1.50	1.50	1.000	2.000	1.25	.53	1 5/8-12	MK 1523	1/2-13 x 1 1/2	222	2.5
		6440-20-20D							1/2-13		---	---	---	
1½	-20	6439-24-20D	4.00	2.00	1.75	1.375	2.750	1.50	.66	1 5/8-12	MK 1524	5/8-11 x 1 3/4	228	6.0
		6440-24-20D							5/8-11		---	---	---	
1½	-24	6439-24-24D	4.00	2.00	1.75	1.375	2.750	1.50	.66	1 7/8-12	MK 1524	5/8-11 x 1 3/4	228	5.7
		6440-24-24D							5/8-11		---	---	---	
2	-32	6439-32-32D	4.00	2.00	1.75	1.375	2.750	1.94	.66	2 1/2-12	MK 1524	5/8-11 x 1 3/4	228	4.8
		6440-32-32D							5/8-11		---	---	---	
2½	-32	6439-40-32D	5.50	2.75	2.25	1.875	3.750	2.32	.94	2 1/2-12	MK 1519	7/8-9 x 2 1/2	236	13.3
		6440-40-32D							7/8-9		---	---	---	

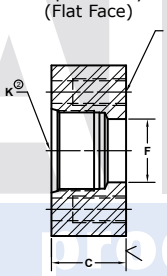




O-Ring Style



Companion Style (Flat Face)



MATERIAL:
316L Stainless

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

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

Model 6439 / 6441 Model 6440 / 6442

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6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	ORB	PART NUMBER	A	B	C	D	E	F	G / J	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	-6	6441-08-06D	2.25	1.12	1.25	.719	1.438	.47	.41	9/16-18	MK 4544	3/8-16 x 1 1/4	210	1.5
		6442-08-06D							3/8-16		---	---	---	
½	-8	6441-08-08D	2.25	1.12	1.25	.719	1.438	.50	.41	3/4-16	MK 4544	3/8-16 x 1 1/4	210	1.5
		6442-08-08D							3/8-16		---	---	---	
¾	-10	6441-12-10D	2.50	1.25	1.25	.875	1.750	.62	.41	7/8-14	MK 1543	3/8-16 x 1 1/4	214	2.2
		6442-12-10D							3/8-16		---	---	---	
¾	-12	6441-12-12D	2.50	1.25	1.50	.875	1.750	.75	.41	1 1/16-12	MK 1525	3/8-16 x 1 1/2	214	2.1
		6442-12-12D							3/8-16		---	---	---	
1	-14	6441-16-14D	3.00	1.50	1.50	1.000	2.000	.75	.53	1 3/16-12	MK 5542	1/2-13 x 1 1/2	219	2.9
		6442-16-14D							1/2-13		---	---	---	
1	-16	6441-16-16D	3.00	1.50	1.50	1.000	2.000	1.00	.53	1 5/16-12	MK 5542	1/2-13 x 1 1/2	219	2.8
		6442-16-16D							1/2-13		---	---	---	
1¼	-16	6441-20-16D	4.00	2.00	1.50	1.375	2.750	1.20	.66	1 5/16-12	MK 5556	5/8-11 x 1 3/4	222	5.4
		6442-20-16D							5/8-11		---	---	---	
1¼	-20	6441-20-20D	4.00	2.00	1.50	1.375	2.750	1.25	.66	1 5/8-12	MK 5556	5/8-11 x 1 3/4	222	5.0
		6442-20-20D							5/8-11		---	---	---	
1½	-24	6441-24-24D	4.00	2.00	1.75	1.375	2.750	1.50	.66	1 7/8-12	MK 562	5/8-11 x 2	225	5.8
		6442-24-24D							5/8-11		---	---	---	
2	-24	6441-32-24D	5.00	2.50	1.75	1.750	3.500	1.75	.78	1 7/8-12	MK 563	3/4-10 x 2	228	9.0
		6442-32-24D							3/4-10		---	---	---	
2	-32	6441-32-32D	5.00	2.50	1.75	1.750	3.500	1.94	.78	2 1/2-12	MK 563	3/4-10 x 2	228	8.7
		6442-32-32D							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.

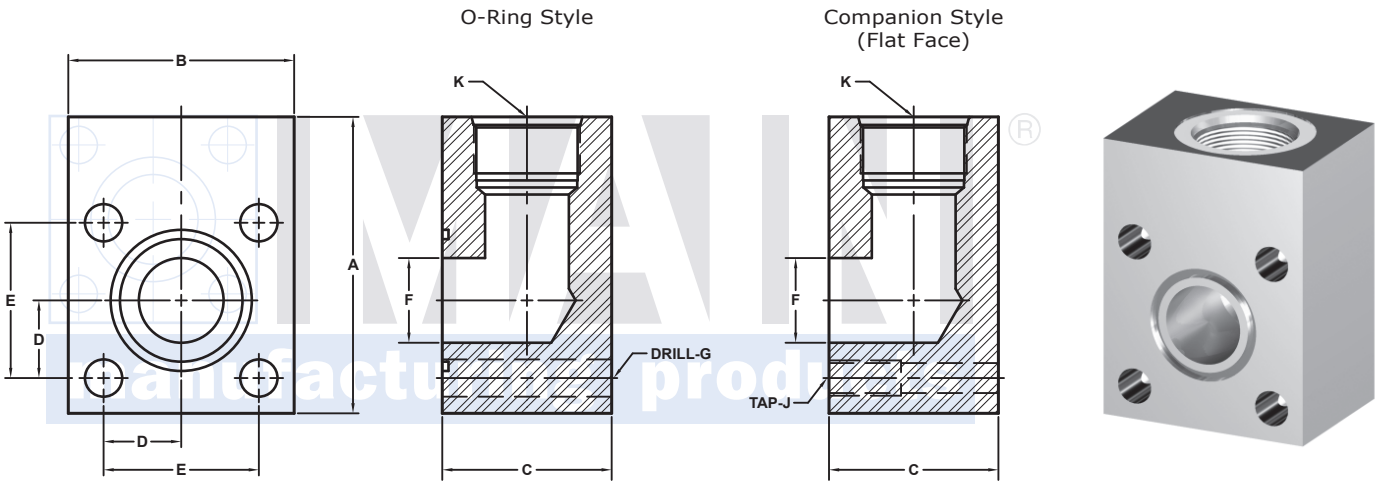
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SAE J1926 THREADED ELBOW FLANGES

3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6491-08-08D	3.50	2.25	1.50	.719	1.438	.50	.41	3/4-16	MK 532	3/8-16 x 2 1/4	216	1.8
		6492-08-08D							3/8-16		---	---	---	
¾	-10	6491-12-10D	3.50	2.25	1.75	.719	1.438	.62	.41	7/8-14	MK 4585	3/8-16 x 2 1/2	216	3.0
		6492-12-10D							3/8-16		---	---	---	
¾	-12	6491-12-12D	3.50	2.25	1.75	.719	1.438	.75	.41	1 1/16-12	MK 4585	3/8-16 x 2 1/2	216	4.8
		6492-12-12D							3/8-16		---	---	---	
1	-14	6491-16-14D	4.12	3.00	2.00	1.000	2.000	.88	.53	1 3/16-12	MK 533	1/2-13 x 2 3/4	222	7.3
		6492-16-14D							1/2-13		---	---	---	
1	-16	6491-16-16D	4.12	3.00	2.00	1.000	2.000	1.00	.53	1 5/16-12	MK 533	1/2-13 x 2 3/4	222	10.2
		6492-16-16D							1/2-13		---	---	---	
1¼	-20	6491-20-20D	4.12	3.00	2.50	1.000	2.000	1.25	.53	1 5/8-12	MK 552	1/2-13 x 3 1/4	222	11.5
		6492-20-20D							1/2-13		---	---	---	
1½	-24	6491-24-24D	5.25	4.00	3.00	1.375	2.750	1.50	.66	1 7/8-12	MK 535	5/8-11 x 4	228	10.2
		6492-24-24D							5/8-11		---	---	---	
2	-32	6491-32-32D	5.25	4.00	4.00	1.375	2.750	1.94	.66	2 1/2-12	MK 575	5/8-11 x 5	228	11.5
		6492-32-32D							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 501**SS**). **Please note that using stainless steel bolts may reduce the pressure rating of the assembly.**



MATERIAL: **316L** Stainless

Model 6491 / 6493

Model 6492 / 6494

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	PORT SIZE	PART NUMBER	A	B	C	D	E	F	G / J	K	MOUNTING KIT① PART NO.	MOUNTING KIT① BOLT SIZE	MOUNTING KIT① O-RING	WT
½	-8	6493-08-08D	3.00	2.25	1.50	.719	1.438	.50	.41	3/4-16	MK 5515	3/8-16 x 2 1/4	210	2.0
		6494-08-08D							3/8-16		---	---	---	
¾	-12	6493-12-12D	3.50	2.50	1.75	.875	1.750	.75	.41	1 1/16-12	MK 542	3/8-16 x 2 1/2	214	3.3
		6494-12-12D							3/8-16		---	---	---	
1	-16	6493-16-16D	4.50	3.00	2.00	1.000	2.000	1.00	.53	1 5/16-12	MK 5516	1/2-13 x 2 3/4	219	5.7
		6494-16-16D							1/2-13		---	---	---	
1¼	-20	6493-20-20D	5.00	4.00	3.00	1.375	2.750	1.25	.66	1 5/8-12	MK 5517	5/8-11 x 4	222	9.0
		6494-20-20D							5/8-11		---	---	---	
1½	-24	6493-24-24D	5.00	4.00	3.00	1.375	2.750	1.50	.66	1 7/8-12	MK 553	5/8-11 x 4	225	13.0
		6494-24-24D							5/8-11		---	---	---	
2	-32	6493-32-32D	6.50	5.00	4.00	1.750	3.500	1.94	.78	2 1/2-12	MK 4580	3/4-10 x 5 1/2	228	22.8
		6494-32-32D							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.

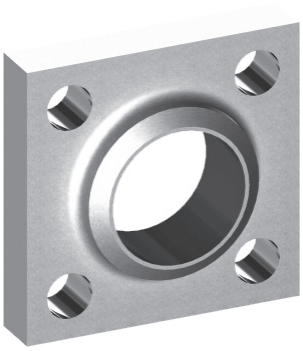
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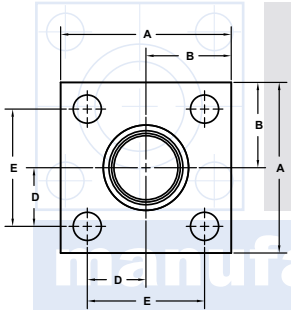
BUTT WELD IN-LINE FLANGES

For Schedule 40 Pipe ⑥

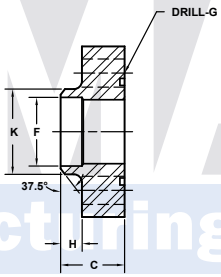
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
¾	¾	6395-12-12D	2.25	1.12	1.25	.719	1.438	.82	.41	.38	1.12	MK 528	3/8-16 x 1 3/4	216	1.1
		6396-12-12D							3/8-16			---	---	---	
1	1	6395-16-16D	3.00	1.50	1.25	1.000	2.000	1.04	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	2.2
		6396-16-16D							1/2-13			---	---	---	
1¼	1¼	6395-20-20D	3.00	1.50	1.25	1.000	2.000	1.38	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	2.0
		6396-20-20D							1/2-13			---	---	---	
1½	1½	6395-24-24D	4.00	2.00	1.50	1.375	2.750	1.61	.66	.50	2.00	MK 581	5/8-11 x 2	228	4.1
		6396-24-24D							5/8-11			---	---	---	
2	2	6395-32-32D	4.00	2.00	1.50	1.375	2.750	2.06	.66	.50	2.50	MK 581	5/8-11 x 2	228	3.8
		6396-32-32D							5/8-11			---	---	---	
2½	2½	6395-40-40D	5.50	2.75	1.75	1.875	3.750	2.47	.94	.50	3.00	MK 1519	7/8-9 x 2 1/2	236	8.6
		6396-40-40D							7/8-9			---	---	---	
3	3	6395-48-48D	5.50	2.75	1.75	1.875	3.750	3.06	.94	.50	3.50	MK 1519	7/8-9 x 2 1/2	236	8.1
		6396-48-48D							7/8-9			---	---	---	
3½	3½	6395-56-56D	6.00	3.00	1.75	2.125	4.250	3.54	.94	.50	4.00	MK 1577	7/8-9 x 2 1/2	240	9.4
		6396-56-56D							7/8-9			---	---	---	
4	4	6395-64-64D	7.00	3.50	2.00	2.500	5.000	4.02	1.06	.50	4.50	MK 1578	1-8 x 3	347	15.0
		6396-64-64D							1-8			---	---	---	
5	5	6395-80-80D	8.00	4.00	2.50	3.000	6.000	5.04	1.06	.50	5.62	MK 1579	1-8 x 3 1/2	355	24.5
		6396-80-80D							1-8			---	---	---	
6	6	6395-96-96D	10.00	5.00	2.50	3.500	7.000	6.06	1.31	.50	6.75	MK 5533	1 1/4-7 x 4	362	40.2
		6396-96-96D							1 1/4-7			---	---	---	

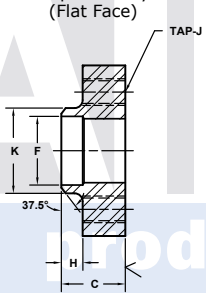




O-Ring Style



Companion Style (Flat Face)



Model 6395 / 6397 Model 6396 / 6398

MATERIAL:
316L Stainless

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

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

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6000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6397-08-08D	2.25	1.12	1.50	.719	1.438	.62	.41	.50	.88	MK 2501	3/8-16 x 1 3/4	210	1.5
		6398-08-08D							3/8-16			---	---	---	
¾	¾	6397-12-12D	2.50	1.25	1.50	.875	1.750	.82	.41	.50	1.12	MK 2502	3/8-16 x 1 3/4	214	1.7
		6398-12-12D							3/8-16			---	---	---	
1	1	6397-16-16D	3.00	1.50	1.50	1.000	2.000	1.04	.53	.50	1.38	MK 2503	1/2-13 x 2	219	2.4
		6398-16-16D							1/2-13			---	---	---	
1¼	1¼	6397-20-20D	4.00	2.00	1.75	1.375	2.750	1.38	.66	.50	1.75	MK 2504	5/8-11 x 2 1/2	222	5.1
		6398-20-20D							5/8-11			---	---	---	
1½	1½	6397-24-24D	4.00	2.00	2.00	1.375	2.750	1.61	.66	.50	2.00	MK 2505	5/8-11 x 2 3/4	225	6.0
		6398-24-24D							5/8-11			---	---	---	
2	2	6397-32-32D	5.00	2.50	2.25	1.750	3.500	2.06	.78	.50	2.50	MK 2506	3/4-10 x 3 1/2	228	11.0
		6398-32-32D							3/4-10			---	---	---	
2½	2½	6397-40-40D	5.50	2.75	2.25	1.875	3.750	2.47	.94	.50	3.00	MK 2507	7/8-9 x 3 1/2	232	12.3
		6398-40-40D							7/8-9			---	---	---	
3	3	6397-48-48D	7.00	3.50	2.50	2.375	4.750	3.06	1.06	.50	3.50	MK 2508	1-8 x 4	236	22.9
		6398-48-48D							1-8			---	---	---	
3½	3½	6397-56-56D	8.00	4.00	3.50	2.750	5.500	3.54	1.31	1.00	4.00	MK 2509	1 1/4-7 x 5	342	36.5
		6398-56-56D							1 1/4-7			---	---	---	
4	4	6397-64-64D	8.50	4.25	3.50	3.000	6.000	4.02	1.31	1.00	4.50	MK 2510	1 1/4-7 x 5	346	40.3
		6398-64-64D							1 1/4-7			---	---	---	
5	5	6397-80-80D	10.00	5.00	4.00	3.625	7.250	5.04	1.56	1.00	5.62	MK 2511	1 1/2-6 x 6	353	64.5
		6398-80-80D							1 1/2-6			---	---	---	

① Order Separately

⑥ Schedules 80, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD IN-LINE FLANGES

For Schedule 80 Pipe ⑥

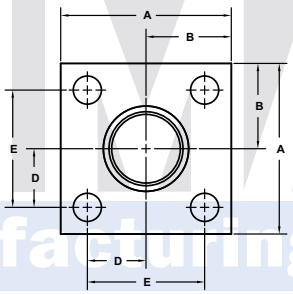
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	SCREW SIZE	O-RING	WT
¾	¾	6399-12-12D	2.25	1.12	1.25	.719	1.438	.75	.41	.38	1.12	MK 528	3/8-16 x 1 3/4	216	1.1
		6400-12-12D							3/8-16			---	---	---	
1	1	6399-16-16D	3.00	1.50	1.25	1.000	2.000	.94	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	1.6
		6400-16-16D							1/2-13			---	---	---	
1¼	1¼	6399-20-20D	3.00	1.50	1.25	1.000	2.000	1.25	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	1.5
		6400-20-20D							1/2-13			---	---	---	
1½	1½	6399-24-24D	4.00	2.00	1.50	1.375	2.750	1.50	.66	.50	2.00	MK 581	5/8-11 x 2	228	3.2
		6400-24-24D							5/8-11			---	---	---	
2	2	6399-32-32D	4.00	2.00	1.50	1.375	2.750	1.94	.66	.50	2.50	MK 581	5/8-11 x 2	228	3.1
		6400-32-32D							5/8-11			---	---	---	
2½	2½	6399-40-40D	5.50	2.75	1.75	1.875	3.750	2.32	.94	.50	3.00	MK 1519	7/8-9 x 2 1/2	236	7.3
		6400-40-40D							7/8-9			---	---	---	
3	3	6399-48-48D	5.50	2.75	1.75	1.875	3.750	2.90	.94	.50	3.50	MK 1519	7/8-9 x 2 1/2	236	6.7
		6400-48-48D							7/8-9			---	---	---	
3½	3½	6399-56-56D	6.00	3.00	1.75	2.125	4.250	3.36	.94	.50	4.00	MK 1577	7/8-9 x 2 1/2	240	9.7
		6400-56-56D							7/8-9			---	---	---	
4	4	6399-64-64D	7.00	3.50	2.00	2.500	5.000	3.83	1.06	.50	4.50	MK 1578	1-8 x 3	347	15.5
		6400-64-64D							1-8			---	---	---	
5	5	6399-80-80D	8.00	4.00	2.50	3.000	6.000	4.81	1.06	.50	5.62	MK 1579	1-8 x 3 1/2	355	25.2
		6400-80-80D							1-8			---	---	---	
6	6	6399-96-96D	10.00	5.00	2.50	3.500	7.000	5.75	1.31	.50	6.75	MK 5533	1 1/4-7 x 4	362	40.4
		6400-96-96D							1 1/4-7			---	---	---	

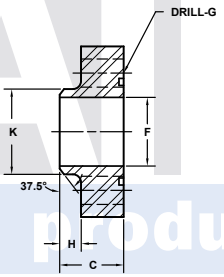
MATERIAL:
316L Stainless

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

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

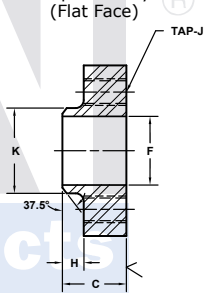


O-Ring Style

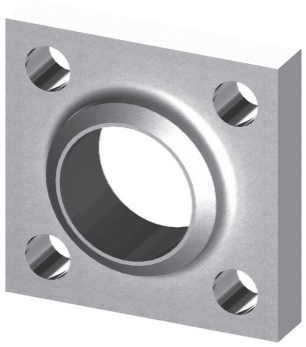


Model 6399 / 6401

Companion Style (Flat Face)



Model 6400 / 6402



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 KIT① PART NO.	SCREW SIZE	O-RING	WT
½	½	6401-08-08D	2.25	1.12	1.50	.719	1.438	.53	.41	.50	.88	MK 2501	3/8-16 x 1 3/4	210	1.5
		6402-08-08D							3/8-16			---	---	---	
¾	¾	6401-12-12D	2.50	1.25	1.50	.875	1.750	.75	.41	.50	1.12	MK 2502	3/8-16 x 1 3/4	214	1.8
		6402-12-12D							3/8-16			---	---	---	
1	1	6401-16-16D	3.00	1.50	1.50	1.000	2.000	.94	.53	.50	1.38	MK 2503	1/2-13 x 2	219	2.4
		6402-16-16D							1/2-13			---	---	---	
1¼	1¼	6401-20-20D	4.00	2.00	1.75	1.375	2.750	1.25	.66	.50	1.75	MK 2504	5/8-11 x 2 1/2	222	5.1
		6402-20-20D							5/8-11			---	---	---	
1½	1½	6401-24-24D	4.00	2.00	2.00	1.375	2.750	1.50	.66	.50	2.00	MK 2505	5/8-11 x 2 3/4	225	6.0
		6402-24-24D							5/8-11			---	---	---	
2	2	6401-32-32D	5.00	2.50	2.25	1.750	3.500	1.94	.78	.50	2.50	MK 2506	3/4-10 x 3 1/2	228	11.0
		6402-32-32D							3/4-10			---	---	---	
2½	2½	6401-40-40D	5.50	2.75	2.25	1.875	3.750	2.32	.94	.50	3.00	MK 2507	7/8-9 x 3 1/2	232	12.5
		6402-40-40D							7/8-9			---	---	---	
3	3	6401-48-48D	7.00	3.50	2.50	2.375	4.750	2.90	1.06	.50	3.50	MK 2508	1-8 x 4	236	23.0
		6402-48-48D							1-8			---	---	---	
3½	3½	6401-56-56D	8.00	4.00	3.50	2.750	5.500	3.36	1.31	1.00	4.00	MK 2509	1 1/4-7 x 5	342	37.0
		6402-56-56D							1 1/4-7			---	---	---	
4	4	6401-64-64D	8.50	4.25	3.50	3.000	6.000	3.83	1.31	1.00	4.50	MK 2510	1 1/4-7 x 5	346	41.0
		6402-64-64D							1 1/4-7			---	---	---	
5	5	6401-80-80D	10.00	5.00	4.00	3.625	7.250	4.81	1.56	1.00	5.62	MK 2511	1 1/2-6 x 6	353	65.5
		6402-80-80D							1 1/2-6			---	---	---	

① Order Separately

⑥ Schedules 40, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

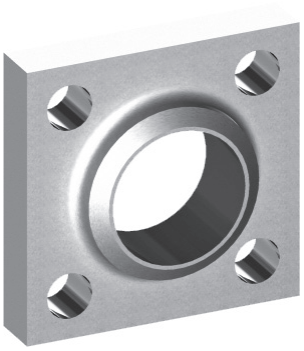
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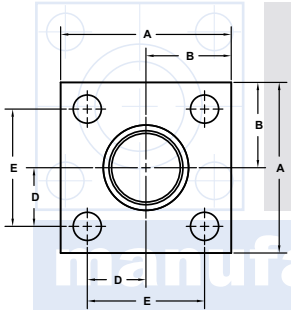
BUTT WELD IN-LINE FLANGES

For Schedule 160 Pipe ⑥

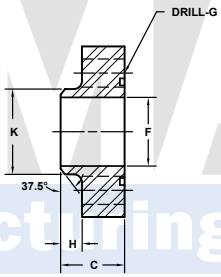
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
¾	¾	6403-12-12D	2.25	1.12	1.25	.719	1.438	.61	.41	.38	1.12	MK 528	3/8-16 x 1 3/4	216	1.1
		6404-12-12D							3/8-16			---	---	---	
1	1	6403-16-16D	3.00	1.50	1.25	1.000	2.000	.81	.53	.38	1.38	MK 529	1/2-13 x 1 3/4	222	1.6
		6404-16-16D							1/2-13			---	---	---	
1¼	1¼	6403-20-20D	3.00	1.50	1.25	1.000	2.000	1.16	.53	.38	1.75	MK 529	1/2-13 x 1 3/4	222	1.5
		6404-20-20D							1/2-13			---	---	---	
1½	1½	6403-24-24D	4.00	2.00	1.50	1.375	2.750	1.34	.66	.50	2.00	MK 581	5/8-11 x 2	228	3.3
		6404-24-24D							5/8-11			---	---	---	
2	2	6403-32-32D	4.00	2.00	1.50	1.375	2.750	1.69	.66	.50	2.50	MK 581	5/8-11 x 2	228	3.2
		6404-32-32D							5/8-11			---	---	---	
2½	2½	6403-40-40D	5.50	2.75	1.75	1.875	3.750	2.12	.94	.50	3.00	MK 1519	7/8-9 x 2 1/2	236	7.4
		6404-40-40D							7/8-9			---	---	---	
3	3	6403-48-48D	5.50	2.75	1.75	1.875	3.750	2.62	.94	.50	3.50	MK 1519	7/8-9 x 2 1/2	236	7.0
		6404-48-48D							7/8-9			---	---	---	
3½	3½	6403-56-56D	6.00	3.00	1.75	2.125	4.250	3.00	.94	.50	4.00	MK 1577	7/8-9 x 2 1/2	240	10.2
		6404-56-56D							7/8-9			---	---	---	
4	4	6403-64-64D	7.00	3.50	2.00	2.500	5.000	3.44	1.06	.50	4.50	MK 1578	1-8 x 3	347	16.5
		6404-64-64D							1-8			---	---	---	
5	5	6403-80-80D	8.00	4.00	2.50	3.000	6.000	4.31	1.06	.50	5.62	MK 1579	1-8 x 3 1/2	355	27.0
		6404-80-80D							1-8			---	---	---	
6	6	6403-96-96D	10.00	5.00	2.50	3.500	7.000	5.19	1.31	.50	6.75	MK 5533	1 1/4-7 x 4	362	38.8
		6404-96-96D							1 1/4-7			---	---	---	

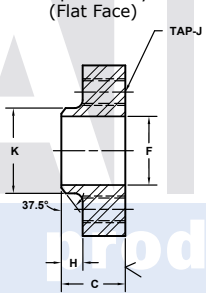




O-Ring Style



Companion Style (Flat Face)



MATERIAL:
316L Stainless

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

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

Model 6403 / 6405 Model 6404 / 6406

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6405-08-08D	2.25	1.12	1.50	.719	1.438	.47	.41	.50	.88	MK 2501	3/8-16 x 1 3/4	210	1.5
		6406-08-08D							3/8-16			---	---	---	
¾	¾	6405-12-12D	2.50	1.25	1.50	.875	1.750	.61	.41	.50	1.12	MK 2502	3/8-16 x 1 3/4	214	1.7
		6406-12-12D							3/8-16			---	---	---	
1	1	6405-16-16D	3.00	1.50	1.50	1.000	2.000	.81	.53	.50	1.38	MK 2503	1/2-13 x 2	219	2.5
		6406-16-16D							1/2-13			---	---	---	
1¼	1¼	6405-20-20D	4.00	2.00	1.75	1.375	2.750	1.16	.66	.50	1.75	MK 2504	5/8-11 x 2 1/2	222	5.3
		6406-20-20D							5/8-11			---	---	---	
1½	1½	6405-24-24D	4.00	2.00	2.00	1.375	2.750	1.34	.66	.50	2.00	MK 2505	5/8-11 x 2 3/4	225	6.2
		6406-24-24D							5/8-11			---	---	---	
2	2	6405-32-32D	5.00	2.50	2.25	1.750	3.500	1.69	.78	.50	2.50	MK 2506	3/4-10 x 3 1/2	228	11.0
		6406-32-32D							3/4-10			---	---	---	
2½	2½	6405-40-40D	5.50	2.75	2.25	1.875	3.750	2.12	.94	.50	3.00	MK 2507	7/8-9 x 3 1/2	232	12.8
		6406-40-40D							7/8-9			---	---	---	
3	3	6405-48-48D	7.00	3.50	2.50	2.375	4.750	2.62	1.06	.50	3.50	MK 2508	1-8 x 4	236	23.8
		6406-48-48D							1-8			---	---	---	
3½	3½	6405-56-56D	8.00	4.00	3.50	2.750	5.500	3.00	1.31	1.00	4.00	MK 2509	1 1/4-7 x 5	342	38.5
		6406-56-56D							1 1/4-7			---	---	---	
4	4	6405-64-64D	8.50	4.25	3.50	3.000	6.000	3.44	1.31	1.00	4.50	MK 2510	1 1/4-7 x 5	346	43.0
		6406-64-64D							1 1/4-7			---	---	---	
5	5	6405-80-80D	10.00	5.00	4.00	3.625	7.250	4.31	1.56	1.00	5.62	MK 2511	1 1/2-6 x 6	353	69.0
		6406-80-80D							1 1/2-6			---	---	---	

① Order Separately

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

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BUTT WELD IN-LINE FLANGES

For Schedule XXS Pipe ⑥

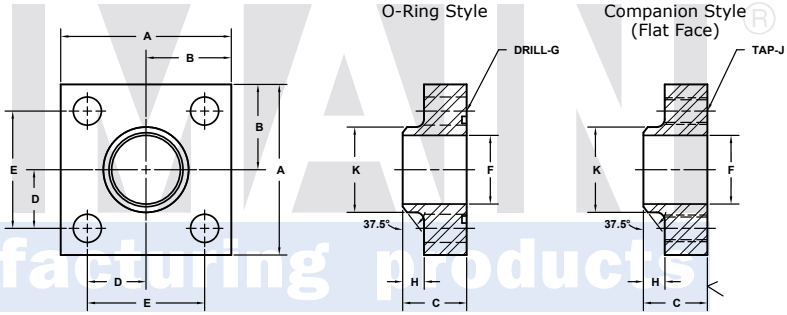
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
¾	¾	6407-12-12D	2.25	1.12	1.25	.719	1.438	.44	.41	.38	1.12	MK 528	3/8-16 x 1 3/4	216	1.3
		6408-12-12D							3/8-16			---------	---------	---	
1	1	6407-16-16D	3.00	1.50	1.50	1.000	2.000	.60	.53	.50	1.38	MK 529	1/2-13 x 1 3/4	222	2.6
		6408-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6407-20-20D	3.00	1.50	1.50	1.000	2.000	.89	.53	.50	1.75	MK 529	1/2-13 x 1 3/4	222	2.6
		6408-20-20D							1/2-13			---------	---------	---	
1½	1½	6407-24-24D	4.00	2.00	1.50	1.375	2.750	1.10	.66	.50	2.00	MK 581	5/8-11 x 2	228	4.5
		6408-24-24D							5/8-11			---------	---------	---	
2	2	6407-32-32D	4.00	2.00	1.50	1.375	2.750	1.50	.66	.50	2.50	MK 581	5/8-11 x 2	228	4.3
		6408-32-32D							5/8-11			---------	---------	---	
2½	2½	6407-40-40D	5.50	2.75	2.00	1.875	3.750	1.77	.94	.75	3.00	MK 1519	7/8-9 x 2 1/2	236	9.9
		6408-40-40D							7/8-9			---------	---------	---	
3	3	6407-48-48D	5.50	2.75	2.00	1.875	3.750	2.30	.94	.75	3.50	MK 1519	7/8-9 x 2 1/2	236	9.6
		6408-48-48D							7/8-9			---------	---------	---	
3½	3½	6407-56-56D	6.00	3.00	2.00	2.125	4.250	2.73	.94	.75	4.00	MK 1577	7/8-9 x 2 1/2	240	11.2
		6408-56-56D							7/8-9			---------	---------	---	
4	4	6407-64-64D	7.00	3.50	2.50	2.500	5.000	3.15	1.06	1.00	4.50	MK 1578	1-8 x 3	347	18.0
		6408-64-64D							1-8			---------	---------	---	
5	5	6407-80-80D	8.00	4.00	3.00	3.000	6.000	4.06	1.06	1.00	5.62	MK 1579	1-8 x 3 1/2	355	30.0
		6408-80-80D							1-8			---------	---------	---	
6	6	6407-96-96D	10.00	5.00	3.00	3.500	7.000	4.88	1.31	1.00	6.75	MK 5533	1 1/4-7 x 4	362	47.0
		6408-96-96D							1 1/4-7			---------	---------	---	

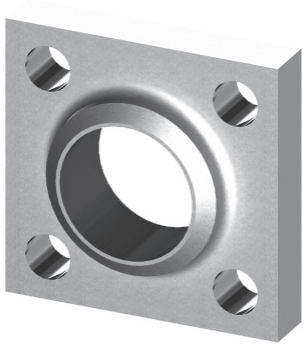
MATERIAL:
316L Stainless

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

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



Model 6407 / 6409 Model 6408 / 6410



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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6409-08-08D	2.25	1.12	1.50	.719	1.438	.25	.41	.50	.88	MK 2501	3/8-16 x 1 3/4	210	1.5
		6410-08-08D							3/8-16			---------	---------	---	
¾	¾	6409-12-12D	2.50	1.25	1.50	.875	1.750	.44	.41	.50	1.12	MK 2502	3/8-16 x 1 3/4	214	1.9
		6410-12-12D							3/8-16			---------	---------	---	
1	1	6409-16-16D	3.00	1.50	1.50	1.000	2.000	.60	.53	.50	1.38	MK 2503	1/2-13 x 2	219	2.5
		6410-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6409-20-20D	4.00	2.00	2.00	1.375	2.750	.89	.66	.75	1.75	MK 2504	5/8-11 x 2 1/2	222	5.5
		6410-20-20D							5/8-11			---------	---------	---	
1½	1½	6409-24-24D	4.00	2.00	2.25	1.375	2.750	1.10	.66	.75	2.00	MK 2505	5/8-11 x 2 3/4	225	6.5
		6410-24-24D							5/8-11			---------	---------	---	
2	2	6409-32-32D	5.00	2.50	2.50	1.750	3.500	1.50	.78	.75	2.50	MK 2506	3/4-10 x 3 1/2	228	11.7
		6410-32-32D							3/4-10			---------	---------	---	
2½	2½	6409-40-40D	5.50	2.75	2.50	1.875	3.750	1.77	.94	.75	3.00	MK 2507	7/8-9 x 3 1/2	232	13.8
		6410-40-40D							7/8-9			---------	---------	---	
3	3	6409-48-48D	7.00	3.50	3.00	2.375	4.750	2.30	1.06	1.00	3.50	MK 2508	1-8 x 4	236	25.2
		6410-48-48D							1-8			---------	---------	---	
3½	3½	6409-56-56D	8.00	4.00	3.50	2.750	5.500	2.73	1.31	1.00	4.00	MK 2509	1 1/4-7 x 5	342	39.5
		6410-56-56D							1 1/4-7			---------	---------	---	
4	4	6409-64-64D	8.50	4.25	3.50	3.000	6.000	3.15	1.31	1.00	4.50	MK 2510	1 1/4-7 x 5	346	44.2
		6410-64-64D							1 1/4-7			---------	---------	---	
5	5	6409-80-80D	10.00	5.00	4.00	3.625	7.250	4.06	1.56	1.00	5.62	MK 2511	1 1/2-6 x 6	353	70.5
		6410-80-80D							1 1/2-6			---------	---------	---	

① Order Separately

⑥ Schedules 40, 80 and 160 also Stocked. Other Pipe and Tube Sizes are Available

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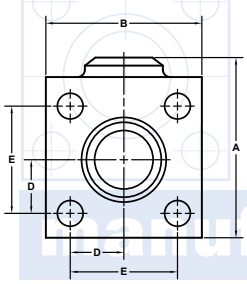
BUTT WELD ELBOW FLANGES

For Schedule 40 Pipe ⑥

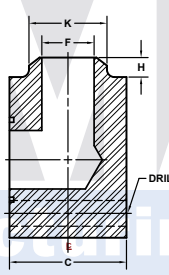
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6419-08-08D	2.75	2.25	1.50	.719	1.438	.62	.41	.38	.88	MK 532	3/8-16 x 2 1/4	216	1.9
		6420-08-08D							3/8-16			---------	---------	---	
¾	¾	6419-12-12D	2.75	2.25	1.50	.719	1.438	.82	.41	.38	1.12	MK 532	3/8-16 x 2 1/4	216	1.8
		6420-12-12D							3/8-16			---------	---------	---	
1	1	6419-16-16D	3.50	3.00	2.00	1.000	2.000	1.04	.53	.38	1.38	MK 533	1/2-13 x 2 3/4	222	4.3
		6420-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6419-20-20D	3.50	3.00	2.25	1.000	2.000	1.38	.53	.38	1.75	MK 534	1/2-13 x 3	222	4.7
		6420-20-20D							1/2-13			---------	---------	---	
1½	1½	6419-24-24D	4.62	4.00	3.00	1.375	2.750	1.61	.66	.50	2.00	MK 535	5/8-11 x 4	228	11.0
		6420-24-24D							5/8-11			---------	---------	---	
2	2	6419-32-32D	4.62	4.00	3.50	1.375	2.750	2.06	.66	.50	2.50	MK 1598	5/8-11 x 4 1/2	228	12.5
		6420-32-32D							5/8-11			---------	---------	---	
2½	2½	6419-40-40D	6.25	5.50	4.00	1.875	3.750	2.47	.94	.50	3.00	MK 536	7/8-9 x 5 1/2	236	27.0
		6420-40-40D							7/8-9			---------	---------	---	
3	3	6419-48-48D	6.25	5.50	4.50	1.875	3.750	3.06	.94	.50	3.50	MK 537	7/8-9 x 6	236	29.6
		6420-48-48D							7/8-9			---------	---------	---	
3½	3½	6419-56-56D	7.00	6.00	5.50	2.125	4.250	3.54	.94	1.00	4.00	MK 3528	7/8-9 x 7	240	42.2
		6420-56-56D							7/8-9			---------	---------	---	
4	4	6419-64-64D	8.00	7.00	6.00	2.500	5.000	4.02	1.06	1.00	4.50	MK 2573	1-8 x 7 1/2	347	61.8
		6420-64-64D							1-8			---------	---------	---	
5	5	6419-80-80D	9.00	8.00	7.00	3.000	6.000	5.04	1.06	1.00	5.62	MK 3522	1-8 x 8 1/2	355	89.7
		6420-80-80D							1-8			---------	---------	---	

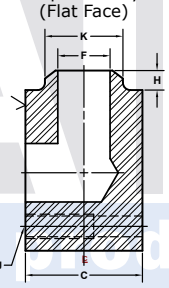




O-Ring Style



Companion Style (Flat Face)



MATERIAL:
316L Stainless

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

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

Model 6419 / 6421 Model 6420 / 6422

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6421-08-08D	2.75	2.25	1.50	.719	1.438	.62	.41	.38	.88	MK 5515	3/8-16 x 2 1/4	210	2.0
		6422-08-08D							3/8-16			---------	---------	---	
¾	¾	6421-12-12D	3.00	2.50	1.75	.875	1.750	.82	.41	.38	1.12	MK 542	3/8-16 x 2 1/2	214	2.8
		6422-12-12D							3/8-16			---------	---------	---	
1	1	6421-16-16D	3.50	3.00	2.25	1.000	2.000	1.04	.53	.38	1.38	MK 5516	1/2-13 x 2 3/4	219	5.1
		6422-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6421-20-20D	4.62	4.00	3.00	1.375	2.750	1.38	.66	.38	1.75	MK 5517	5/8-11 x 4	222	12.0
		6422-20-20D							5/8-11			---------	---------	---	
1½	1¼	6421-24-20D	4.62	4.00	3.00	1.375	2.750	1.38	.66	.50	1.75	MK 553	5/8-11 x 4	225	11.5
		6422-24-20D							5/8-11			---------	---------	---	
1½	1½	6421-24-24D	4.62	4.00	3.00	1.375	2.750	1.61	.66	.50	2.00	MK 553	5/8-11 x 4	225	11.6
		6422-24-24D							5/8-11			---------	---------	---	
2	1½	6421-32-24D	5.50	5.00	4.00	1.750	3.500	1.61	.78	.50	2.00	MK 4580	3/4-10 x 5 1/2	228	23.6
		6422-32-24D							3/4-10			---------	---------	---	
2	2	6421-32-32D	5.50	5.00	4.00	1.750	3.500	2.06	.78	.50	2.50	MK 4580	3/4-10 x 5 1/2	228	22.6
		6422-32-32D							3/4-10			---------	---------	---	
2½	2	6421-40-32D	6.25	5.50	4.50	1.875	3.750	2.06	.94	.50	2.50	MK 2557	7/8-9 x 6	232	31.9
		6422-40-32D							7/8-9			---------	---------	---	
2½	2½	6421-40-40D	6.25	5.50	4.50	1.875	3.750	2.47	.94	.50	3.00	MK 2557	7/8-9 x 6	232	31.9
		6422-40-40D							7/8-9			---------	---------	---	
3	3	6421-48-48D	7.50	7.00	5.00	2.375	4.750	3.06	1.06	.50	3.50	MK 5518	1-8 x 7	236	56.7
		6422-48-48D							1-8			---------	---------	---	

① Order Separately

⑥ Schedules 80, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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BUTT WELD ELBOW FLANGES

For Schedule 80 Pipe ⑥

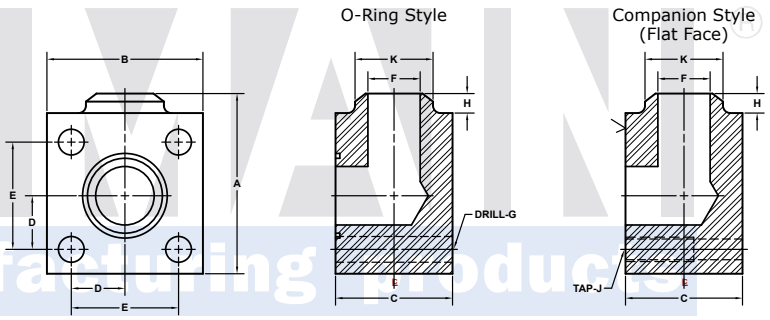
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6423-08-08D	2.75	2.25	1.50	.719	1.438	.53	.41	.38	.88	MK 532	3/8-16 x 2 1/4	216	2.0
		6424-08-08D							3/8-16			---	---	---	
¾	¾	6423-12-12D	2.75	2.25	1.50	.719	1.438	.75	.41	.38	1.12	MK 532	3/8-16 x 2 1/4	216	1.9
		6424-12-12D							3/8-16			---	---	---	
1	1	6423-16-16D	3.50	3.00	2.00	1.000	2.000	.94	.53	.38	1.38	MK 533	1/2-13 x 2 3/4	222	4.3
		6424-16-16D							1/2-13			---	---	---	
1¼	1¼	6423-20-20D	3.50	3.00	2.25	1.000	2.000	1.25	.53	.38	1.75	MK 534	1/2-13 x 3	222	4.6
		6424-20-20D							1/2-13			---	---	---	
1½	1½	6423-24-24D	4.62	4.00	3.00	1.375	2.750	1.50	.66	.50	2.00	MK 535	5/8-11 x 4	228	11.2
		6424-24-24D							5/8-11			---	---	---	
2	2	6423-32-32D	4.62	4.00	3.50	1.375	2.750	1.94	.66	.50	2.50	MK 1598	5/8-11 x 4 1/2	228	12.0
		6424-32-32D							5/8-11			---	---	---	
2½	2½	6423-40-40D	6.25	5.50	4.00	1.875	3.750	2.32	.94	.50	3.00	MK 536	7/8-9 x 5 1/2	236	27.0
		6424-40-40D							7/8-9			---	---	---	
3	3	6423-48-48D	6.25	5.50	4.50	1.875	3.750	2.90	.94	.50	3.50	MK 537	7/8-9 x 6	236	29.6
		6424-48-48D							7/8-9			---	---	---	
3½	3½	6423-56-56D	7.00	6.00	5.50	2.125	4.250	3.36	.94	1.00	4.00	MK 3528	7/8-9 x 7	240	42.3
		6424-56-56D							7/8-9			---	---	---	
4	4	6423-64-64D	8.00	7.00	6.00	2.500	5.000	3.83	1.06	1.00	4.50	MK 2573	1-8 x 7 1/2	347	61.8
		6424-64-64D							1-8			---	---	---	
5	5	6423-80-80D	9.00	8.00	7.00	3.000	6.000	4.81	1.06	1.00	5.62	MK 3522	1-8 x 8 1/2	355	89.8
		6424-80-80D							1-8			---	---	---	

MATERIAL:
316L Stainless

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

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



Model 6423 / 6425 Model 6424 / 6426



MAIN Manufacturing Products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6425-08-08D	2.75	2.25	1.50	.719	1.438	.53	.41	.38	.88	MK 5515	3/8-16 x 2 1/4	210	2.0
		6426-08-08D							3/8-16			---	---	---	
¾	¾	6425-12-12D	3.00	2.50	1.75	.875	1.750	.75	.41	.38	1.12	MK 542	3/8-16 x 2 1/2	214	2.8
		6426-12-12D							3/8-16			---	---	---	
1	1	6425-16-16D	3.50	3.00	2.25	1.000	2.000	.94	.53	.38	1.38	MK 5516	1/2-13 x 2 3/4	219	5.1
		6426-16-16D							1/2-13			---	---	---	
1¼	1¼	6425-20-20D	4.62	4.00	3.00	1.375	2.750	1.25	.66	.38	1.75	MK 5517	5/8-11 x 4	222	12.2
		6426-20-20D							5/8-11			---	---	---	
1½	1¼	6425-24-20D	4.62	4.00	3.00	1.375	2.750	1.25	.66	.50	1.75	MK 553	5/8-11 x 4	225	11.7
		6426-24-20D							5/8-11			---	---	---	
1½	1½	6425-24-24D	4.62	4.00	3.00	1.375	2.750	1.50	.66	.50	2.00	MK 553	5/8-11 x 4	225	11.6
		6426-24-24D							5/8-11			---	---	---	
2	1½	6425-32-24D	5.50	5.00	4.00	1.750	3.500	1.50	.78	.50	2.00	MK 4580	3/4-10 x 5 1/2	228	23.8
		6426-32-24D							3/4-10			---	---	---	
2	2	6425-32-32D	5.50	5.00	4.00	1.750	3.500	1.94	.78	.50	2.50	MK 4580	3/4-10 x 5 1/2	228	23.6
		6426-32-32D							3/4-10			---	---	---	
2½	2	6425-40-32D	6.25	5.50	4.50	1.875	3.750	1.94	.94	.50	2.50	MK 2557	7/8-9 x 6	232	32.2
		6426-40-32D							7/8-9			---	---	---	
2½	2½	6425-40-40D	6.25	5.50	4.50	1.875	3.750	2.32	.94	.50	3.00	MK 2557	7/8-9 x 6	232	31.9
		6426-40-40D							7/8-9			---	---	---	
3	3	6425-48-48D	7.50	7.00	5.00	2.375	4.750	2.90	1.06	.50	3.50	MK 5518	1-8 x 7	236	56.7
		6426-48-48D							1-8			---	---	---	

① Order Separately

⑥ Schedules 40, 160 and XXS also Stocked. Other Pipe and Tube Sizes are Available

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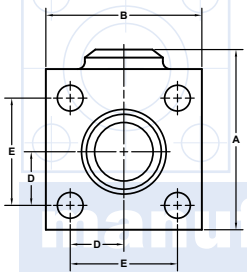
BUTT WELD ELBOW FLANGES

For Schedule 160 Pipe ⑥

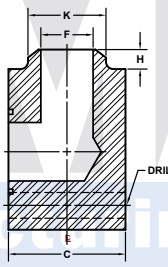
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6427-08-08D	2.75	2.25	1.50	.719	1.438	.47	.41	.38	.88	MK 532	3/8-16 x 2 1/4	216	2.0
		6428-08-08D							3/8-16			---------	---------	---	
¾	¾	6427-12-12D	2.75	2.25	1.50	.719	1.438	.61	.41	.38	1.12	MK 532	3/8-16 x 2 1/4	216	1.9
		6428-12-12D							3/8-16			---------	---------	---	
1	1	6427-16-16D	3.50	3.00	2.00	1.000	2.000	.81	.53	.38	1.38	MK 533	1/2-13 x 2 3/4	222	4.4
		6428-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6427-20-20D	3.50	3.00	2.25	1.000	2.000	1.16	.53	.38	1.75	MK 534	1/2-13 x 3	222	4.7
		6428-20-20D							1/2-13			---------	---------	---	
1½	1½	6427-24-24D	4.62	4.00	3.00	1.375	2.750	1.34	.66	.50	2.00	MK 535	5/8-11 x 4	228	11.5
		6428-24-24D							5/8-11			---------	---------	---	
2	2	6427-32-32D	4.62	4.00	3.50	1.375	2.750	1.69	.66	.50	2.50	MK 1598	5/8-11 x 4 1/2	228	12.4
		6428-32-32D							5/8-11			---------	---------	---	
2½	2½	6427-40-40D	6.25	5.50	4.00	1.875	3.750	2.12	.94	.75	3.00	MK 536	7/8-9 x 5 1/2	236	26.3
		6428-40-40D							7/8-9			---------	---------	---	
3	3	6427-48-48D	6.25	5.50	4.50	1.875	3.750	2.62	.94	.75	3.50	MK 537	7/8-9 x 6	236	28.6
		6428-48-48D							7/8-9			---------	---------	---	
3½	3½	6427-56-56D	7.00	6.00	5.50	2.125	4.250	3.00	.94	1.00	4.00	MK 3528	7/8-9 x 7	240	42.3
		6428-56-56D							7/8-9			---------	---------	---	
4	4	6427-64-64D	8.00	7.00	6.00	2.500	5.000	3.44	1.06	1.00	4.50	MK 2573	1-8 x 7 1/2	347	61.8
		6428-64-64D							1-8			---------	---------	---	
5	5	6427-80-80D	9.00	8.00	7.00	3.000	6.000	4.31	1.06	1.00	5.62	MK 3522	1-8 x 8 1/2	355	89.6
		6428-80-80D							1-8			---------	---------	---	

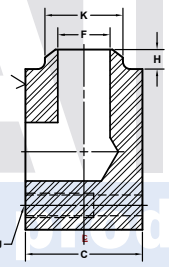




O-Ring Style



Companion Style (Flat Face)



MATERIAL:
316L Stainless

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

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

Model 6427 / 6429 Model 6428 / 6430

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6429-08-08D	2.75	2.25	1.50	.719	1.438	.47	.41	.38	.88	MK 5515	3/8-16 x 2 1/4	210	2.0
		6430-08-08D							3/8-16			---------	---------	---	
¾	¾	6429-12-12D	3.00	2.50	1.75	.875	1.750	.61	.41	.38	1.12	MK 542	3/8-16 x 2 1/2	214	2.9
		6430-12-12D							3/8-16			---------	---------	---	
1	1	6429-16-16D	3.50	3.00	2.25	1.000	2.000	.81	.53	.38	1.38	MK 5516	1/2-13 x 2 3/4	219	5.1
		6430-16-16D							1/2-13			---------	---------	---	
1¼	1¼	6429-20-20D	4.62	4.00	3.00	1.375	2.750	1.16	.66	.38	1.75	MK 5517	5/8-11 x 4	222	12.3
		6430-20-20D							5/8-11			---------	---------	---	
1½	1¼	6429-24-20D	4.62	4.00	3.00	1.375	2.750	1.16	.66	.50	1.75	MK 553	5/8-11 x 4	225	11.8
		6430-24-20D							5/8-11			---------	---------	---	
1½	1½	6429-24-24D	4.62	4.00	3.00	1.375	2.750	1.34	.66	.50	2.00	MK 553	5/8-11 x 4	225	11.6
		6430-24-24D							5/8-11			---------	---------	---	
2	1½	6429-32-24D	5.50	5.00	4.00	1.750	3.500	1.34	.78	.50	2.00	MK 4580	3/4-10 x 5 1/2	228	24.1
		6430-32-24D							3/4-10			---------	---------	---	
2	2	6429-32-32D	5.50	5.00	4.00	1.750	3.500	1.69	.78	.50	2.50	MK 4580	3/4-10 x 5 1/2	228	23.6
		6430-32-32D							3/4-10			---------	---------	---	
2½	2	6429-40-32D	6.25	5.50	4.50	1.875	3.750	1.69	.94	.75	2.50	MK 2557	7/8-9 x 6	232	31.4
		6430-40-32D							7/8-9			---------	---------	---	
2½	2½	6429-40-40D	6.25	5.50	4.50	1.875	3.750	2.12	.94	.75	3.00	MK 2557	7/8-9 x 6	232	30.6
		6430-40-40D							7/8-9			---------	---------	---	
3	3	6429-48-48D	7.50	7.00	5.00	2.375	4.750	2.62	1.06	.75	3.50	MK 5518	1-8 x 7	236	57.0
		6430-48-48D							1-8			---------	---------	---	

① Order Separately

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

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BUTT WELD ELBOW FLANGES

For Schedule XXS Pipe ⑥

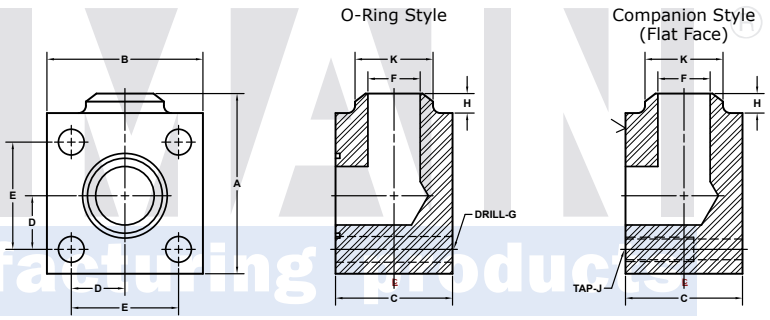
3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	PIPE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	K	MOUNTING KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6431-08-08D	2.75	2.25	1.50	.719	1.438	.25	.41	.38	.88	MK 532	3/8-16 x 2 1/4	216	2.0
		6432-08-08D							3/8-16			---	---	---	
¾	¾	6431-12-12D	2.75	2.25	1.50	.719	1.438	.44	.41	.38	1.12	MK 532	3/8-16 x 2 1/4	216	2.0
		6432-12-12D							3/8-16			---	---	---	
1	1	6431-16-16D	3.50	3.00	2.00	1.000	2.000	.59	.53	.50	1.38	MK 533	1/2-13 x 2 3/4	222	4.4
		6432-16-16D							1/2-13			---	---	---	
1¼	1¼	6431-20-20D	3.50	3.00	2.25	1.000	2.000	.89	.53	.50	1.75	MK 534	1/2-13 x 3	222	4.7
		6432-20-20D							1/2-13			---	---	---	
1½	1½	6431-24-24D	4.62	4.00	3.00	1.375	2.750	1.10	.66	.62	2.00	MK 535	5/8-11 x 4	228	11.4
		6432-24-24D							5/8-11			---	---	---	
2	2	6431-32-32D	4.62	4.00	3.50	1.375	2.750	1.50	.66	.62	2.50	MK 1598	5/8-11 x 4 1/2	228	12.4
		6432-32-32D							5/8-11			---	---	---	
2½	2½	6431-40-40D	6.25	5.50	4.00	1.875	3.750	1.77	.94	.75	3.00	MK 536	7/8-9 x 5 1/2	236	27.1
		6432-40-40D							7/8-9			---	---	---	
3	3	6431-48-48D	6.25	5.50	4.50	1.875	3.750	2.32	.94	.75	3.50	MK 537	7/8-9 x 6	236	28.4
		6432-48-48D							7/8-9			---	---	---	
3½	3½	6431-56-56D	7.00	6.00	5.50	2.125	4.250	2.73	.94	1.00	4.00	MK 3528	7/8-9 x 7	240	42.2
		6432-56-56D							7/8-9			---	---	---	
4	4	6431-64-64D	8.00	7.00	6.00	2.500	5.000	3.15	1.06	1.00	4.50	MK 2573	1-8 x 7 1/2	347	61.7
		6432-64-64D							1-8			---	---	---	
5	5	6431-80-80D	9.00	8.00	7.00	3.000	6.000	4.06	1.06	1.00	5.62	MK 3522	1-8 x 8 1/2	355	89.4
		6432-80-80D							1-8			---	---	---	

MATERIAL:
316L Stainless

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

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



Model 6431 / 6433 Model 6432 / 6434



MAIN Manufacturing Products

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 KIT① PART NO.	MOUNTING KIT① SCREW SIZE	MOUNTING KIT① O-RING	WT
½	½	6433-08-08D	2.75	2.25	1.50	.719	1.438	.25	.41	.38	.88	MK 5515	3/8-16 x 2 1/4	210	2.0
		6434-08-08D							3/8-16			---	---	---	
¾	¾	6433-12-12D	3.00	2.50	1.75	.875	1.750	.44	.41	.38	1.12	MK 542	3/8-16 x 2 1/2	214	2.9
		6434-12-12D							3/8-16			---	---	---	
1	1	6433-16-16D	3.50	3.00	2.25	1.000	2.000	.59	.53	.50	1.38	MK 5516	1/2-13 x 2 3/4	219	5.0
		6434-16-16D							1/2-13			---	---	---	
1¼	1¼	6433-20-20D	4.62	4.00	3.00	1.375	2.750	.89	.66	.50	1.75	MK 5517	5/8-11 x 4	222	12.2
		6434-20-20D							5/8-11			---	---	---	
1½	1¼	6433-24-20D	4.62	4.00	3.00	1.375	2.750	.89	.66	.50	1.75	MK 553	5/8-11 x 4	225	12.0
		6434-24-20D							5/8-11			---	---	---	
1½	1½	6433-24-24D	4.62	4.00	3.00	1.375	2.750	1.10	.66	.62	2.00	MK 553	5/8-11 x 4	225	11.6
		6434-24-24D							5/8-11			---	---	---	
2	1½	6433-32-24D	5.50	5.00	4.00	1.750	3.500	1.10	.78	.62	2.00	MK 4580	3/4-10 x 5 1/2	228	23.8
		6434-32-24D							3/4-10			---	---	---	
2	2	6433-32-32D	5.50	5.00	4.00	1.750	3.500	1.50	.78	.62	2.50	MK 4580	3/4-10 x 5 1/2	228	23.4
		6434-32-32D							3/4-10			---	---	---	
2½	2	6433-40-32D	6.50	5.50	4.50	1.875	3.750	1.50	.94	1.00	2.50	MK 2557	7/8-9 x 6	232	32.0
		6434-40-32D							7/8-9			---	---	---	
2½	2½	6433-40-40D	6.50	5.50	4.50	1.875	3.750	1.77	.94	1.00	3.00	MK 2557	7/8-9 x 6	232	31.8
		6434-40-40D							7/8-9			---	---	---	
3	3	6433-48-48D	8.00	7.00	5.00	2.375	4.750	2.32	1.06	1.00	3.50	MK 5518	1-8 x 7	236	57.5
		6434-48-48D							1-8			---	---	---	

① Order Separately

⑥ Schedules 40, 80 and 160 also Stocked. Other Pipe and Tube Sizes are Available

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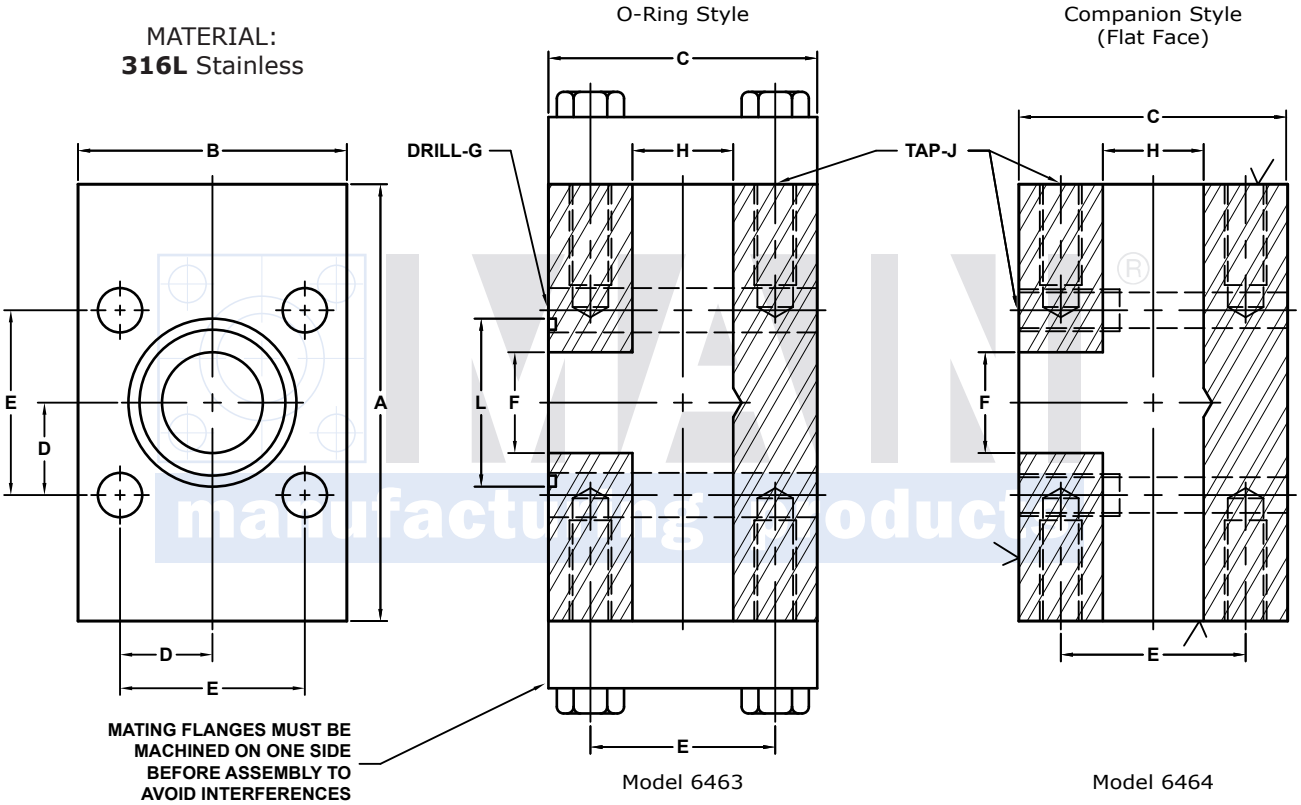
FLANGED BRANCH TEE FLANGES



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 501**SS**). **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

3000 SERIES SQUARE BOLT PATTERN

FLANGE SIZE	FLANGE SIZE	PART NUMBER	A	B	C	D	E	F	G / J	H	L	MOUNTING KIT①			WT
												PART NO.	BOLT SIZE	O-RING	
1/2	1/2	6463-08-08D	4.00	2.25	2.25	.719	1.438	.50	.41	.50	1.375	MK 586	3/8-16 x 3	216	5.0
		6464-08-08D							3/8-16			---	---	---	
3/4	3/4	6463-12-12D	4.00	2.25	2.25	.719	1.438	.75	.41	.75	1.375	MK 586	3/8-16 x 3	216	4.6
		6464-12-12D							3/8-16			---	---	---	
1	1	6463-16-16D	5.25	3.00	3.00	1.000	2.000	1.00	.53	1.00	1.750	MK 587	1/2-13 x 4	222	10.7
		6464-16-16D							1/2-13			---	---	---	
1 1/4	1 1/4	6463-20-20D	5.25	3.00	3.00	1.000	2.000	1.25	.53	1.12	1.750	MK 587	1/2-13 x 4	222	10.0
		6464-20-20D							1/2-13			---	---	---	
1 1/2	1 1/2	6463-24-24D	6.50	4.00	4.00	1.375	2.750	1.50	.66	1.50	2.500	MK 574	5/8-11 x 5	228	23.0
		6464-24-24D							5/8-11			---	---	---	
2	2	6463-32-32D	6.50	4.00	4.00	1.375	2.750	1.94	.66	1.62	2.500	MK 574	5/8-11 x 5	228	22.2
		6464-32-32D							5/8-11			---	---	---	
2 1/2	2 1/2	6463-40-40D	9.00	5.50	5.50	1.875	3.750	2.38	.94	2.25	3.500	MK 588	7/8-9 x 7	236	58.0
		6464-40-40D							7/8-9			---	---	---	
3	3	6463-48-48D	9.00	5.50	5.50	1.875	3.750	2.88	.94	2.25	3.500	MK 588	7/8-9 x 7	236	57.2
		6464-48-48D							7/8-9			---	---	---	

① Order Separately

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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.

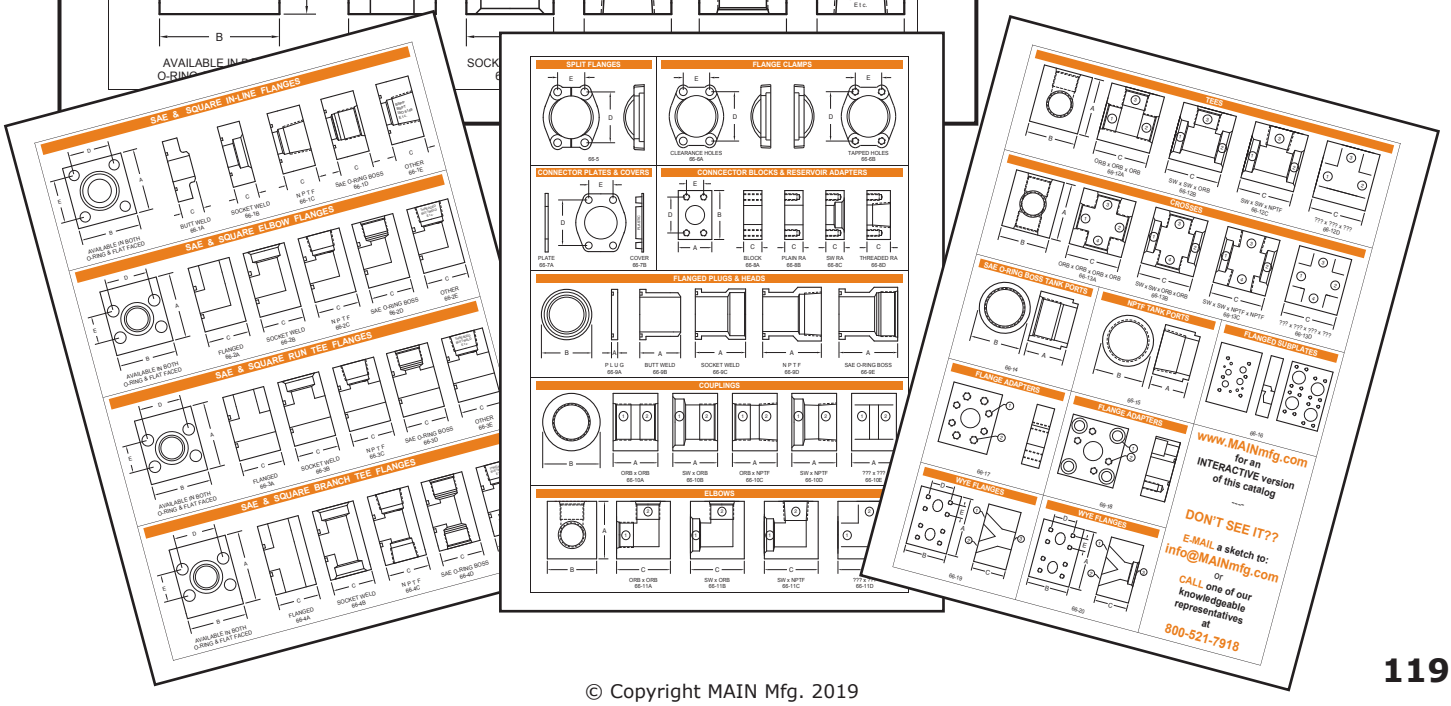
To aid in conversation, **MAIN**'s "*Quick Reference Guide*" is useful, with the drawing number and parameters, our engineers can quote the exact flange. Because we have the skill, knowledge, experience, materials, and tools, you can be assured of receiving a flange manufactured to **MAIN** Manufacturing's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

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.

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



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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.

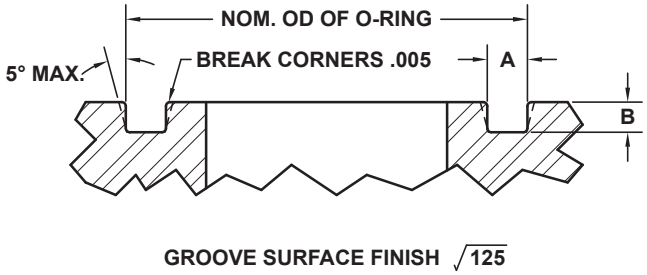
MK **5****, MK 1**5****, MK 2**5****, MK 3**5**** series: Socket head screws, lock washers, & Buna-N O-Ring
MK **6****, MK 1**6****, MK 2**6****, MK 3**6**** series: Socket head screws, lock washers, & Viton O-Ring
MK **7****, MK 1**7****, MK 2**7****, MK 3**7**** series: Hex head screws, lock washers, & Buna-N O-Ring
MK **8****, MK 1**8****, MK 2**8****, MK 3**8**** 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



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

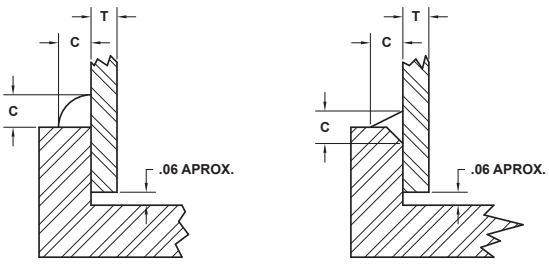
The following general information may need to be changed for specific applications. Consult with a welding specialist for specific applications.

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 APPRECIATES OUR CUSTOMERS

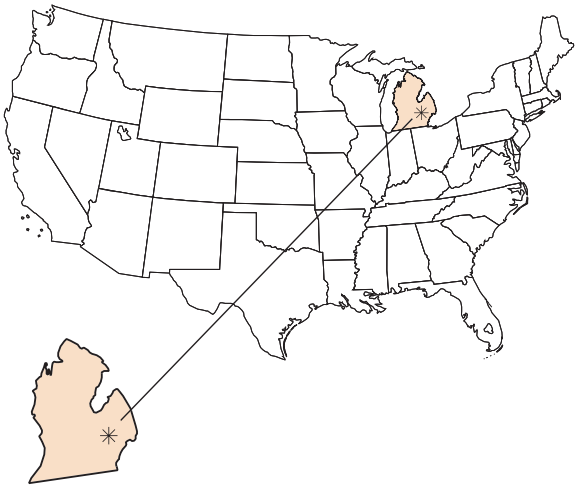
MAIN Manufacturing Products, Inc. would like to thank all of our partners (customers, vendors and employees) who helped us become a premier supplier of hydraulic flanges and couplings for over 55 years. **MAIN** currently has over 1,200 active customers. We appreciate and thank their reliance on **MAIN**'s 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!

VISIT MAIN'S PRODUCTION FACILITY IN MICHIGAN

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

We welcome your visit.



GRAND BLANC, MICHIGAN

MAIN® manufacturing products



WORLDWIDE

MAIN Manufacturing Products, Inc. works closely with distributors and users of hydraulic flanges and components WORLDWIDE from our sole manufacturing facility in Grand Blanc, Michigan USA. Inquiries are promptly handled. **Call 800-521-7918** or 810-953-1380; **Fax 810-953-1385**; **e-mail info@MAINmfg.com**; and visit us at our **web site MAINmfg.com**.

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OVER 55 YEARS OF FLUID POWER EXPERIENCE

MAIN MANUFACTURING PRODUCTS, INC. directs all of its knowledge and energy to the design, development, manufacturing, and distribution of quality flanges and components for the fluid power industry.

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info@MAINmfg.com
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