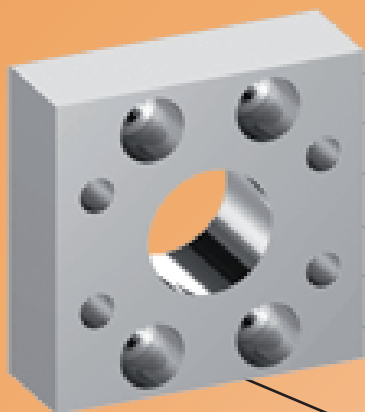
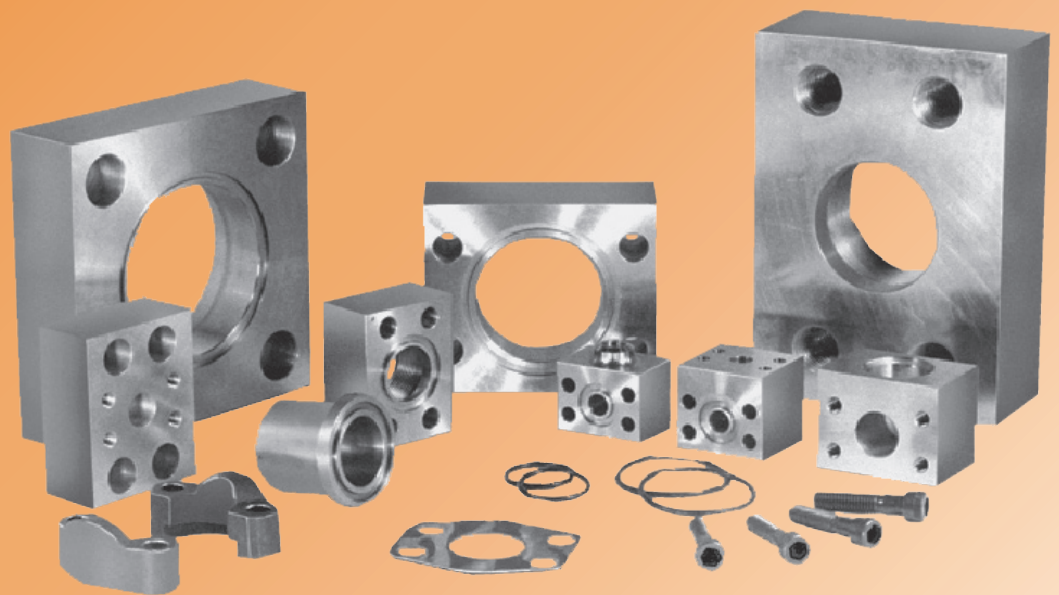




CATALOG 45
FLANGE ADAPTER
VERSION

‘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

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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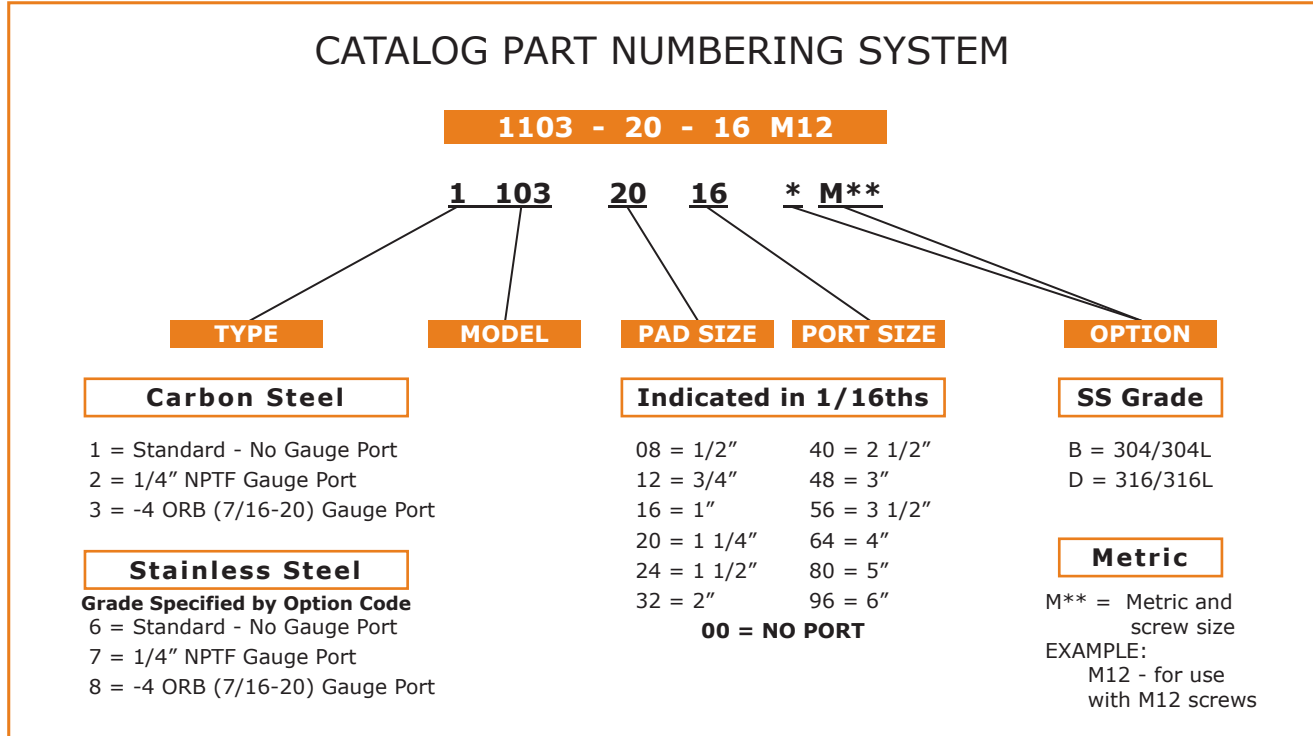
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PREFACE AND ORDERING INFORMATION

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



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

MATERIAL SPECIFICATIONS

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

SAE 4-BOLT HYDRAULIC FLANGES

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

GAUGE PORTS

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

SPECIAL FLANGES

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

SPECIAL PRODUCTS and CONTRACT MACHINING

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

MOUNTING KITS (must be ordered separately)

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

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

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

LIMITED WARRANTY

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

LIMITATION OF REMEDY

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

SALES TERMS AND CONDITIONS

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

ORDERING

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

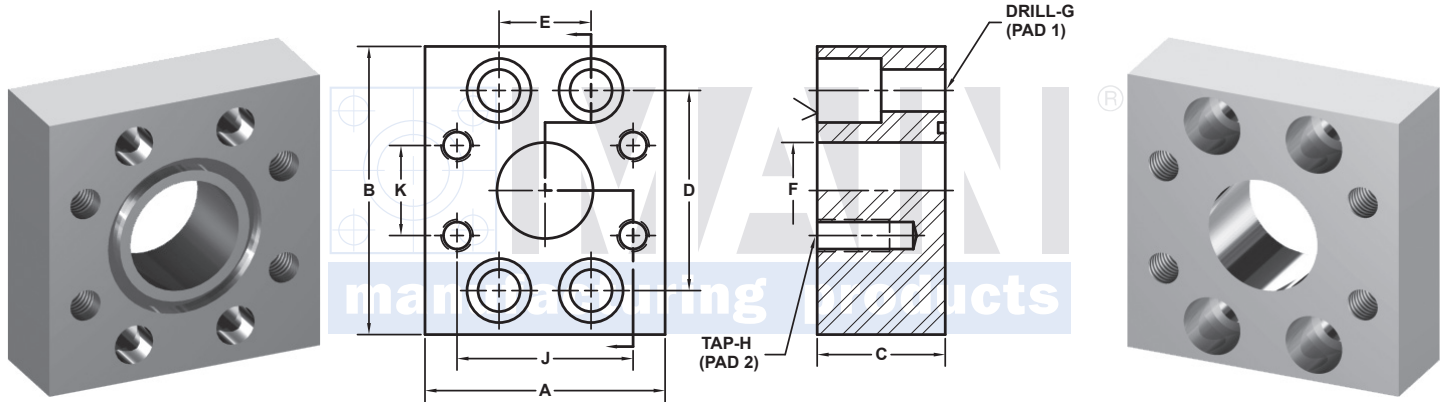
TERMS

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

RETURNS

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

FLANGE ADAPTERS



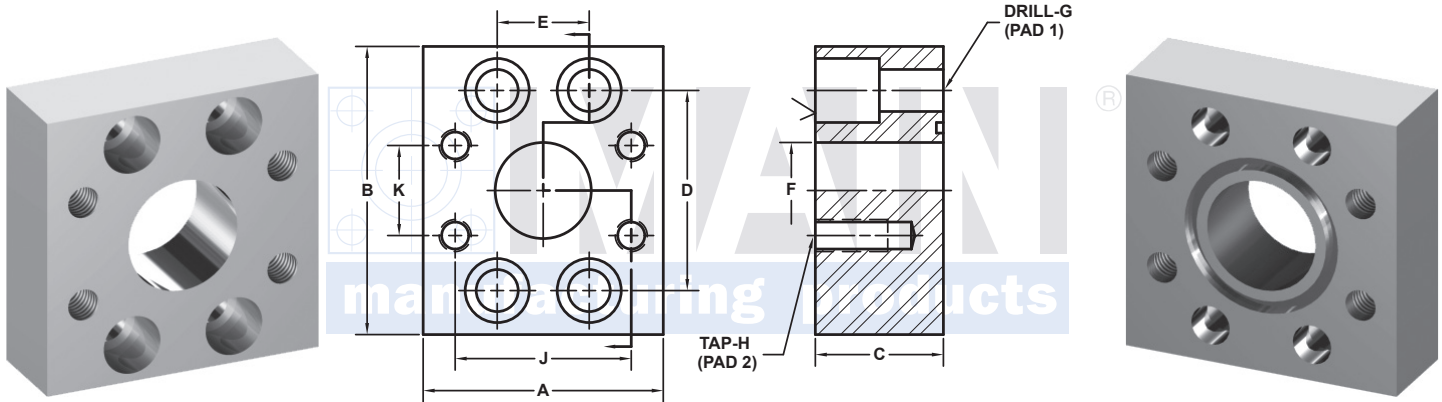
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													61 SERIES ^⑤ TO 62 SERIES		
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
1/2	1/2	1315-08-08	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	3/4	1315-12-12	2.81	2.75	1.00	1.875	.875	.75	.41	3/8-16	2.000	.937	MK 565	3/8-16 x 1	214
3/4	1/2	1315-12-08	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.594	.718	MK 502	3/8-16 x 1 3/4	214
1	1	1315-16-16	3.19	3.00	1.25	2.062	1.031	1.00	.41	7/16-14	2.250	1.093	MK 2535	3/8-16 x 1 1/4	219
1	3/4	1315-16-12	2.81	3.00	1.75	2.062	1.031	.75	.41	3/8-16	2.000	.937	MK 503	3/8-16 x 1 3/4	219
1	1/2	1315-16-08	2.25	3.00	1.75	2.062	1.031	.50	.41	5/16-18	1.594	.718	MK 503	3/8-16 x 1 3/4	219
1 1/4	1 1/4	1315-20-20	3.75	3.25	1.25	2.312	1.188	1.25	.47	1/2-13	2.625	1.250	MK 567	7/16-14 x 1 1/4	222
1 1/4	1	1315-20-16	3.19	3.25	1.75	2.312	1.188	1.00	.47	7/16-14	2.250	1.093	MK 504	7/16-14 x 1 3/4	222
1 1/4	3/4	1315-20-12	2.81	3.25	1.75	2.312	1.188	.75	.47	3/8-16	2.000	.937	MK 504	7/16-14 x 1 3/4	222
1 1/4	1/2	1315-20-08	2.50	3.25	1.50	2.312	1.188	.50	.47	5/16-18	1.594	.718	MK 1527	7/16-14 x 1 1/2	222
1 1/2	1 1/2	1315-24-24	4.50	3.75	1.50	2.750	1.406	1.50	.53	5/8-11	3.125	1.437	MK 2536	1/2-13 x 1 1/2	225
1 1/2	1 1/4	1315-24-20	3.75	3.75	1.75	2.750	1.406	1.25	.53	1/2-13	2.625	1.250	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1	1315-24-16	3.19	3.75	1.75	2.750	1.406	1.00	.53	7/16-14	2.250	1.093	MK 1547	1/2-13 x 1 3/4	225
1 1/2	3/4	1315-24-12	2.75	3.75	1.75	2.750	1.406	.75	.53	3/8-16	2.000	.937	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1/2	1315-24-08	2.75	3.75	1.50	2.750	1.406	.50	.53	5/16-18	1.594	.718	MK 2536	1/2-13 x 1 1/2	225

① Order Separately

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS



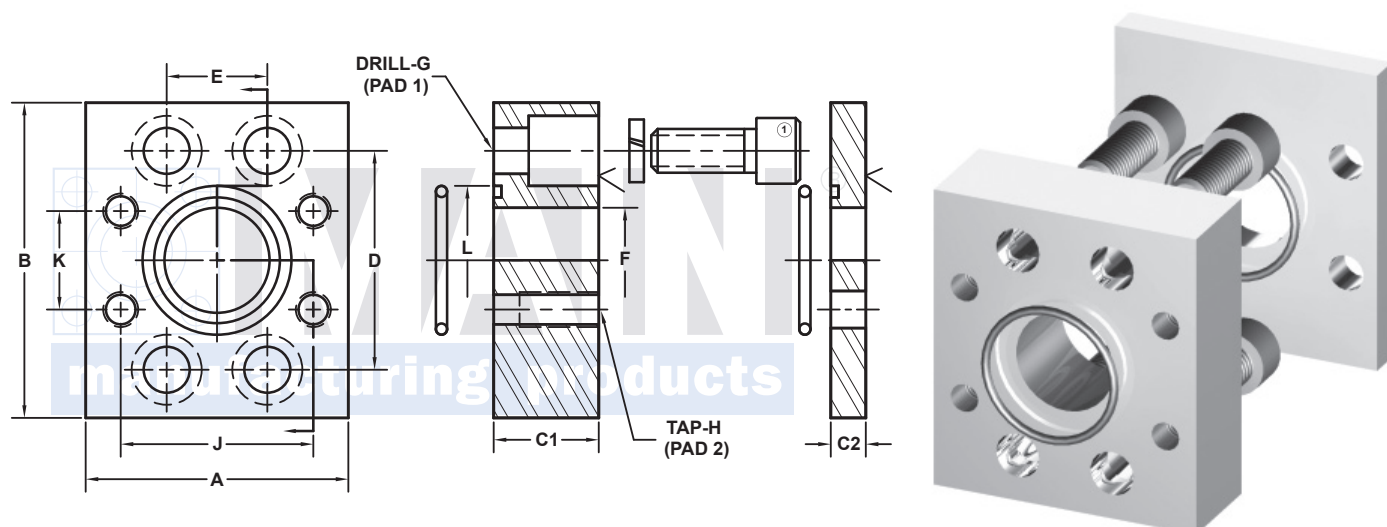
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SAE BOLT PATTERN										61 SERIES ^⑤ TO 62 SERIES						
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①			
													PART NO.	BOLT SIZE	O-RING	
2	2	1315-32-32	5.25	4.00	1.75	3.062	1.688	1.94	.53	3/4-10	3.812	1.750	MK 582	1/2-13 x 1 3/4	228	
2	1½	1315-32-24	4.50	4.00	1.50	3.062	1.688	1.50	.53	5/8-11	3.125	1.437	MK 2537	1/2-13 x 1 1/2	228	
2	1¼	1315-32-20	3.75	4.00	2.00	3.062	1.688	1.25	.53	1/2-13	2.625	1.250	MK 560	1/2-13 x 2	228	
2	1	1315-32-16	3.25	4.00	2.00	3.062	1.688	1.00	.53	7/16-14	2.250	1.093	MK 560	1/2-13 x 2	228	
2	¾	1315-32-12	3.25	4.00	1.75	3.062	1.688	.75	.53	3/8-16	2.000	.937	MK 582	1/2-13 x 1 3/4	228	
2	½	1315-32-08	3.25	4.00	1.50	3.062	1.688	.50	.53	5/16-18	1.594	.718	MK 2537	1/2-13 x 1 1/2	228	
2½ ^②	2½ ^④	1315-40-40	6.88	5.00	2.00	3.500	2.000	2.44	.53	7/8-9	4.875	2.312	MK 561	1/2-13 x 2	232	
2½ ^②	2	1315-40-32	5.25	4.50	1.75	3.500	2.000	1.94	.53	3/4-10	3.812	1.750	MK 1528	1/2-13 x 1 3/4	232	
2½ ^②	1½	1315-40-24	4.50	4.50	2.25	3.500	2.000	1.50	.53	5/8-11	3.125	1.437	MK 1526	1/2-13 x 2 1/4	232	
2½ ^②	1¼	1315-40-20	4.00	4.50	2.00	3.500	2.000	1.25	.53	1/2-13	2.625	1.250	MK 561	1/2-13 x 2	232	
2½ ^②	1	1315-40-16	4.00	4.50	2.00	3.500	2.000	1.00	.53	7/16-14	2.250	1.093	MK 561	1/2-13 x 2	232	
2½ ^②	¾	1315-40-12	4.00	4.50	1.75	3.500	2.000	.75	.53	3/8-16	2.000	.937	MK 1528	1/2-13 x 1 3/4	232	
2½ ^②	½	1315-40-08	4.00	4.50	1.75	3.500	2.000	.50	.53	5/16-18	1.594	.718	MK 1528	1/2-13 x 1 3/4	232	
3 ^③	3 ^④	1315-48-48	8.50	6.00	2.50	4.188	2.438	2.94	.66	1 1/8-7	6.000	2.812	MK 585	5/8-11 x 2 1/2	237	
3 ^③	2½ ^④	1315-48-40	6.88	5.50	2.00	4.188	2.438	2.44	.66	7/8-9	4.875	2.312	MK 1511	5/8-11 x 2	237	
3 ^③	2	1315-48-32	5.25	5.50	2.50	4.188	2.438	1.94	.66	3/4-10	3.812	1.750	MK 585	5/8-11 x 2 1/2	237	
3 ^③	1½	1315-48-24	4.50	5.50	2.25	4.188	2.438	1.50	.66	5/8-11	3.125	1.437	MK 2559	5/8-11 x 2 1/4	237	
3 ^③	1¼	1315-48-20	4.50	5.31	2.00	4.188	2.438	1.25	.66	1/2-13	2.625	1.250	MK 1511	5/8-11 x 2	237	
3 ^③	1	1315-48-16	4.50	5.31	2.00	4.188	2.438	1.00	.66	7/16-14	2.250	1.093	MK 1511	5/8-11 x 2	237	

① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ Not included in SAE J518 specifications

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS



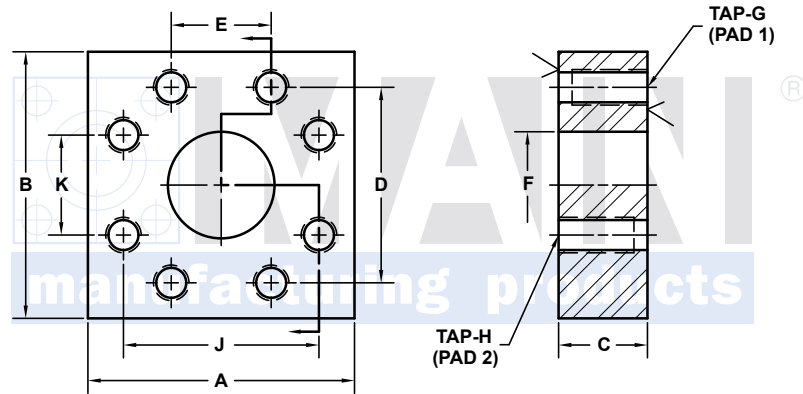
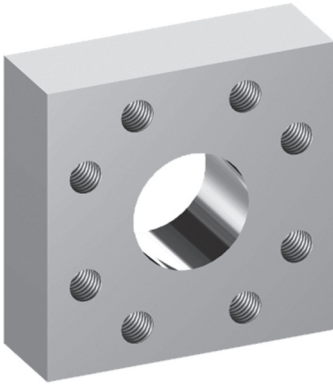
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SAE BOLT PATTERN										61 SERIES ^⑤ TO 62 SERIES						
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C1	C2	D	E	F	G	H	J	K	L	MOUNTING KIT ^①	
															BOLT SIZE	O-RINGS
1/2	3/4	1315-08-12	2.81	2.25	1.00	.38	1.500	.688	.50	.34	3/8-16	2.000	.937	1.000	5/16-18 x 1	210
3/4	1	1315-12-16	3.25	2.75	1.25	.38	1.875	.875	.75	.41	7/16-14	2.250	1.093	1.250	3/8-16 x 1 1/4	214
3/4	1 1/4	1315-12-20	3.75	2.75	1.25	.50	1.875	.875	.75	.41	1/2-13	2.625	1.250	1.250	3/8-16 x 1 1/4	214
1	1 1/4	1315-16-20	3.75	2.75	1.25	.38	2.062	1.031	1.00	.41	1/2-13	2.625	1.250	1.562	3/8-16 x 1 1/4	219
1	1 1/2	1315-16-24	4.50	3.25	1.50	.38	2.062	1.031	1.00	.41	5/8-11	3.125	1.437	1.562	3/8-16 x 1 1/2	219
1	2	1315-16-32	5.25	4.00	1.75	.50	2.062	1.031	1.00	.41	3/4-10	3.812	1.750	1.562	3/8-16 x 1 3/4	219
1 1/4	1 1/2	1315-20-24	4.50	3.25	1.50	.38	2.312	1.188	1.25	.47	5/8-11	3.125	1.437	1.750	7/16-14 x 1 1/2	222
1 1/4	2	1315-20-32	5.25	4.00	1.75	.50	2.312	1.188	1.25	.47	3/4-10	3.812	1.750	1.750	7/16-14 x 1 3/4	222
1 1/2	2	1315-24-32	5.25	4.00	1.75	.38	2.750	1.406	1.50	.53	3/4-10	3.812	1.750	2.125	1/2-13 x 1 3/4	225
2	2 1/2^④	1315-32-40	6.88	5.00	2.00	.50	3.062	1.688	1.94	.53	7/8-9	4.875	2.312	2.500	1/2-13 x 2	228

① Included: (4) Bolts, (4) Lock Washers, (2) O-Rings ④ Not included in SAE J518 specifications

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS

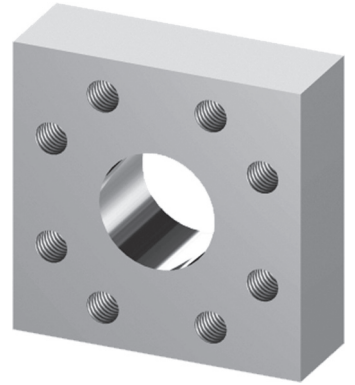
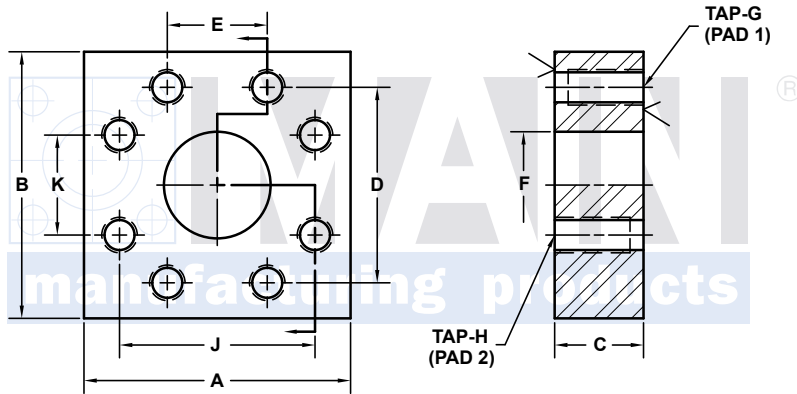


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SAE BOLT PATTERN						61 SERIES ^④ TO 62 SERIES							
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
1/2	1/2	1316-08-08	2.25	2.25	1.00	1.500	.688	.50	5/16-18	5/16-18	1.594	.718	
3/4	3/4	1316-12-12	2.81	2.75	1.00	1.875	.875	.75	3/8-16	3/8-16	2.000	.937	
3/4	1/2	1316-12-08	2.25	2.75	1.75	1.875	.875	.50	3/8-16	5/16-18	1.594	.718	
1	1	1316-16-16	3.19	3.00	1.25	2.062	1.031	1.00	3/8-16	7/16-14	2.250	1.093	
1	3/4	1316-16-12	2.81	3.00	1.75	2.062	1.031	.75	3/8-16	3/8-16	2.000	.937	
1	1/2	1316-16-08	2.25	3.00	1.75	2.062	1.031	.50	3/8-16	5/16-18	1.594	.718	
1 1/4	1 1/4	1316-20-20	3.75	3.25	1.25	2.312	1.188	1.25	7/16-14	1/2-13	2.625	1.250	
1 1/4	1	1316-20-16	3.19	3.25	1.75	2.312	1.188	1.00	7/16-14	7/16-14	2.250	1.093	
1 1/4	3/4	1316-20-12	2.81	3.25	1.75	2.312	1.188	.75	7/16-14	3/8-16	2.000	.937	
1 1/4	1/2	1316-20-08	2.50	3.25	1.50	2.312	1.188	.50	7/16-14	5/16-18	1.594	.718	
1 1/2	1 1/2	1316-24-24	4.50	3.75	1.50	2.750	1.406	1.50	1/2-13	5/8-11	3.125	1.437	
1 1/2	1 1/4	1316-24-20	3.75	3.75	1.75	2.750	1.406	1.25	1/2-13	1/2-13	2.625	1.250	
1 1/2	1	1316-24-16	3.19	3.75	1.75	2.750	1.406	1.00	1/2-13	7/16-14	2.250	1.093	
1 1/2	3/4	1316-24-12	2.75	3.75	1.75	2.750	1.406	.75	1/2-13	3/8-16	2.000	.937	
1 1/2	1/2	1316-24-08	2.75	3.75	1.50	2.750	1.406	.50	1/2-13	5/16-18	1.594	.718	

④ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS



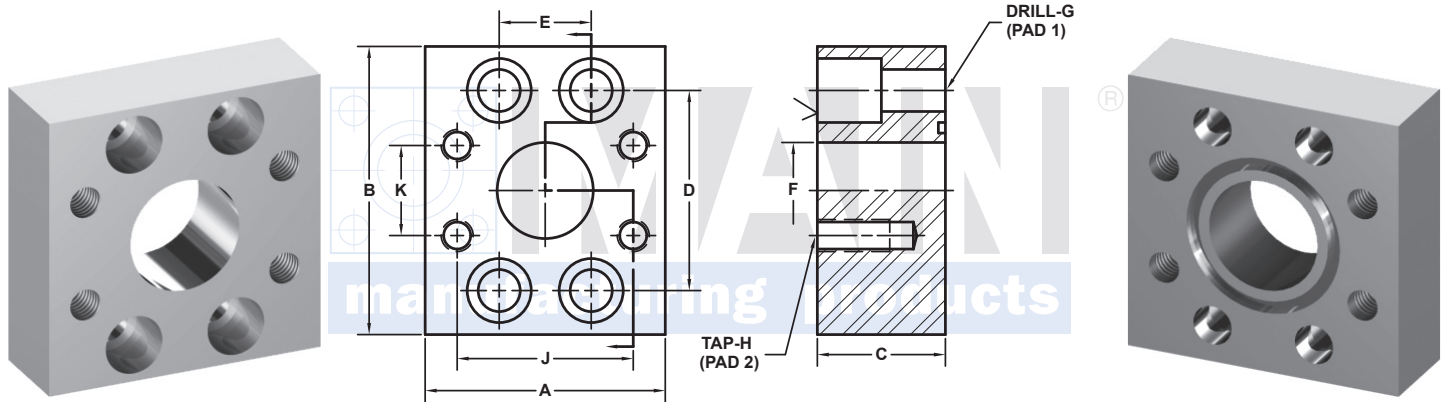
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN						61 SERIES ^④ TO 62 SERIES							
PAD 1 C61	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
2	2	1316-32-32	5.25	4.00	1.75	3.062	1.688	1.94	1/2-13	3/4-10	3.812	1.750	
2	1½	1316-32-24	4.50	4.00	1.50	3.062	1.688	1.50	1/2-13	5/8-11	3.125	1.437	
2	1¼	1316-32-20	3.75	4.00	2.00	3.062	1.688	1.25	1/2-13	1/2-13	2.625	1.250	
2	1	1316-32-16	3.25	4.00	2.00	3.062	1.688	1.00	1/2-13	7/16-14	2.250	1.093	
2	¾	1316-32-12	3.25	4.00	1.75	3.062	1.688	.75	1/2-13	3/8-16	2.000	.937	
2	½	1316-32-08	3.25	4.00	1.50	3.062	1.688	.50	1/2-13	5/16-18	1.594	.718	
2½^①	2½^③	1316-40-40	6.88	5.00	2.00	3.500	2.000	2.44	1/2-13	7/8-9	4.875	2.312	
2½^①	2	1316-40-32	5.25	4.50	1.75	3.500	2.000	1.94	1/2-13	3/4-10	3.812	1.750	
2½^①	1½	1316-40-24	4.50	4.50	2.25	3.500	2.000	1.50	1/2-13	5/8-11	3.125	1.437	
2½^①	1¼	1316-40-20	4.00	4.50	2.00	3.500	2.000	1.25	1/2-13	1/2-13	2.625	1.250	
2½^①	1	1316-40-16	4.00	4.50	2.00	3.500	2.000	1.00	1/2-13	7/16-14	2.250	1.093	
2½^①	¾	1316-40-12	4.00	4.50	1.75	3.500	2.000	.75	1/2-13	3/8-16	2.000	.937	
2½^①	½	1316-40-08	4.00	4.50	1.75	3.500	2.000	.50	1/2-13	5/16-18	1.594	.718	
3^②	3^③	1316-48-48	8.50	6.00	2.50	4.188	2.438	2.94	5/8-11	1 1/8-7	6.000	2.812	
3^②	2½^③	1316-48-40	6.88	5.50	2.00	4.188	2.438	2.44	5/8-11	7/8-9	4.875	2.312	
3^②	2	1316-48-32	5.25	5.50	2.50	4.188	2.438	1.94	5/8-11	3/4-10	3.812	1.750	
3^②	1½	1316-48-24	4.50	5.50	2.25	4.188	2.438	1.50	5/8-11	5/8-11	3.125	1.437	
3^②	1¼	1316-48-20	4.50	5.31	2.00	4.188	2.438	1.25	5/8-11	1/2-13	2.625	1.250	
3^②	1	1316-48-16	4.50	5.31	2.00	4.188	2.438	1.00	5/8-11	7/16-14	2.250	1.093	

① 2500 PSI Max ② 2000 PSI Max ③ Not included in SAE J518 specifications

④ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS

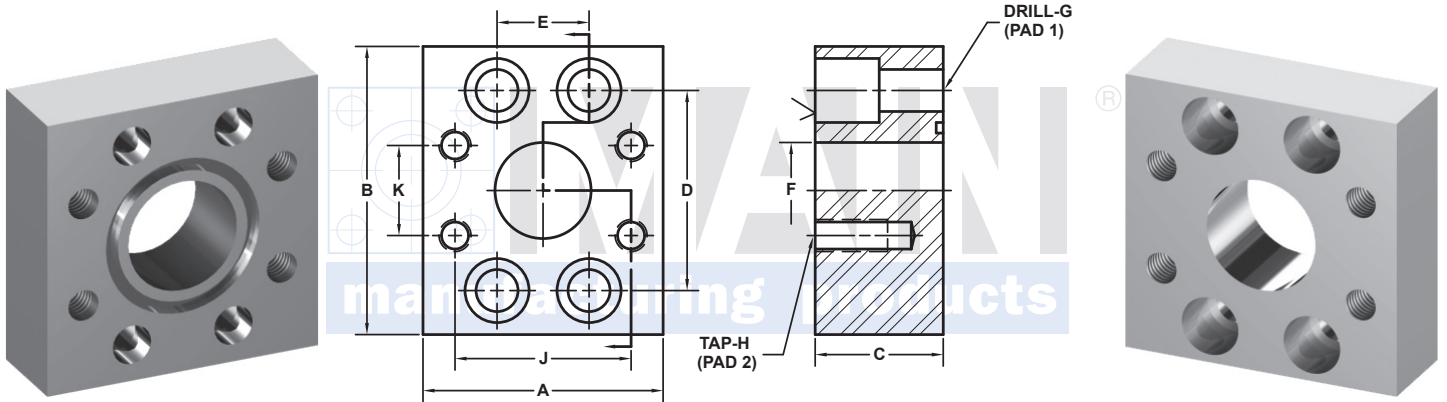


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													61 SERIES TO 61 SERIES		
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
1/2	1/2	1317-08-08	2.25	2.25	1.00	1.500	.688	.50	.34	5/16-18	1.500	.688	MK 564	5/16-18 x 1	210
3/4	3/4	1317-12-12	2.75	2.75	1.00	1.875	.875	.75	.41	3/8-16	1.875	.875	MK 565	3/8-16 x 1	214
3/4	1/2	1317-12-08	2.25	2.75	1.75	1.875	.875	.50	.41	5/16-18	1.500	.688	MK 502	3/8-16 x 1 3/4	214
1	1	1317-16-16	3.00	3.00	1.25	2.062	1.031	1.00	.41	3/8-16	2.062	1.031	MK 2535	3/8-16 x 1 1/4	219
1	3/4	1317-16-12	2.75	3.00	1.75	2.062	1.031	.75	.41	3/8-16	1.875	.875	MK 503	3/8-16 x 1 3/4	219
1	1/2	1317-16-08	2.25	3.00	1.75	2.062	1.031	.50	.41	5/16-18	1.500	.688	MK 503	3/8-16 x 1 3/4	219
1 1/4	1 1/4	1317-20-20	3.25	3.25	1.25	2.312	1.188	1.25	.47	7/16-14	2.312	1.188	MK 567	7/16-14 x 1 1/4	222
1 1/4	1	1317-20-16	2.81	3.25	1.75	2.312	1.188	1.00	.47	3/8-16	2.062	1.031	MK 504	7/16-14 x 1 3/4	222
1 1/4	3/4	1317-20-12	2.75	3.25	1.75	2.312	1.188	.75	.47	3/8-16	1.875	.875	MK 504	7/16-14 x 1 3/4	222
1 1/4	1/2	1317-20-08	2.50	3.25	1.75	2.312	1.188	.50	.47	5/16-18	1.500	.688	MK 504	7/16-14 x 1 3/4	222
1 1/2	1 1/2	1317-24-24	3.75	3.75	1.25	2.750	1.406	1.50	.53	1/2-13	2.750	1.406	MK 568	1/2-13 x 1 1/4	225
1 1/2	1 1/4	1317-24-20	3.25	3.75	2.00	2.750	1.406	1.25	.53	7/16-14	2.312	1.188	MK 505	1/2-13 x 2	225
1 1/2	1	1317-24-16	2.75	3.75	1.75	2.750	1.406	1.00	.53	3/8-16	2.062	1.031	MK 1547	1/2-13 x 1 3/4	225
1 1/2	3/4	1317-24-12	2.75	3.75	1.75	2.750	1.406	.75	.53	3/8-16	1.875	.875	MK 1547	1/2-13 x 1 3/4	225
1 1/2	1/2	1317-24-08	2.75	3.75	1.75	2.750	1.406	.50	.53	5/16-18	1.500	.688	MK 1547	1/2-13 x 1 3/4	225

① Order Separately

FLANGE ADAPTERS

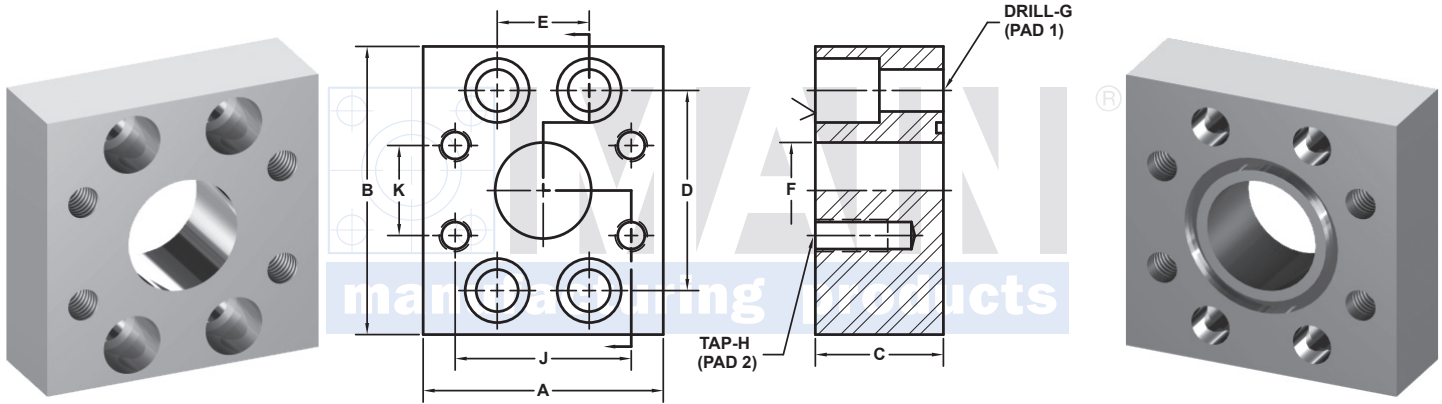


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													61 SERIES TO 61 SERIES		
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
2	2	1317-32-32	4.00	4.00	1.25	3.062	1.688	1.94	.53	1/2-13	3.062	1.688	MK 1509	1/2-13 x 1 1/4	228
2	1 1/2	1317-32-24	3.75	4.00	2.00	3.062	1.688	1.50	.53	1/2-13	2.750	1.406	MK 560	1/2-13 x 2	228
2	1 1/4	1317-32-20	3.25	4.00	2.00	3.062	1.688	1.25	.53	7/16-14	2.312	1.188	MK 560	1/2-13 x 2	228
2	1	1317-32-16	3.25	4.00	1.75	3.062	1.688	1.00	.53	3/8-16	2.062	1.031	MK 582	1/2-13 x 1 3/4	228
2	3/4	1317-32-12	3.25	4.00	1.75	3.062	1.688	.75	.53	3/8-16	1.875	.875	MK 582	1/2-13 x 1 3/4	228
2	1/2	1317-32-08	3.25	4.00	1.75	3.062	1.688	.50	.53	5/16-18	1.500	.688	MK 582	1/2-13 x 1 3/4	228
2 1/2 ^②	2 1/2	1317-40-40	4.50	4.50	1.50	3.500	2.000	2.44	.53	1/2-13	3.500	2.000	MK 1510	1/2-13 x 1 1/2	232
2 1/2 ^②	2	1317-40-32	4.00	4.50	2.00	3.500	2.000	1.94	.53	1/2-13	3.062	1.688	MK 561	1/2-13 x 2	232
2 1/2 ^②	1 1/2	1317-40-24	4.00	4.50	2.00	3.500	2.000	1.50	.53	1/2-13	2.750	1.406	MK 561	1/2-13 x 2	232
2 1/2 ^②	1 1/4	1317-40-20	4.00	4.50	2.00	3.500	2.000	1.25	.53	7/16-14	2.312	1.188	MK 561	1/2-13 x 2	232
2 1/2 ^②	1	1317-40-16	4.00	4.50	1.75	3.500	2.000	1.00	.53	3/8-16	2.062	1.031	MK 1528	1/2-13 x 1 3/4	232
2 1/2 ^②	3/4	1317-40-12	4.00	4.50	1.75	3.500	2.000	.75	.53	3/8-16	1.875	.875	MK 1528	1/2-13 x 1 3/4	232
2 1/2 ^②	1/2	1317-40-08	4.00	4.50	1.75	3.500	2.000	.50	.53	5/16-18	1.500	.688	MK 1528	1/2-13 x 1 3/4	232
3 ^③	3	1317-48-48	5.50	5.50	1.75	4.188	2.438	2.94	.66	5/8-11	4.188	2.438	MK 2538	5/8-11 x 1 3/4	237
3 ^③	2 1/2	1317-48-40	4.50	5.50	2.25	4.188	2.438	2.44	.66	1/2-13	3.500	2.000	MK 2559	5/8-11 x 2 1/4	237
3 ^③	2	1317-48-32	4.50	5.31	2.00	4.188	2.438	1.94	.66	1/2-13	3.062	1.688	MK 1511	5/8-11 x 2	237
3 ^③	1 1/2	1317-48-24	4.50	5.31	2.00	4.188	2.438	1.50	.66	1/2-13	2.750	1.406	MK 1511	5/8-11 x 2	237
3 ^③	1 1/4	1317-48-20	4.50	5.31	2.00	4.188	2.438	1.25	.66	7/16-14	2.312	1.188	MK 1511	5/8-11 x 2	237
3 ^③	1	1317-48-16	4.50	5.31	2.00	4.188	2.438	1.00	.66	3/8-16	2.062	1.031	MK 1511	5/8-11 x 2	237

① Order Separately ② 2500 PSI Max ③ 2000 PSI Max

FLANGE ADAPTERS

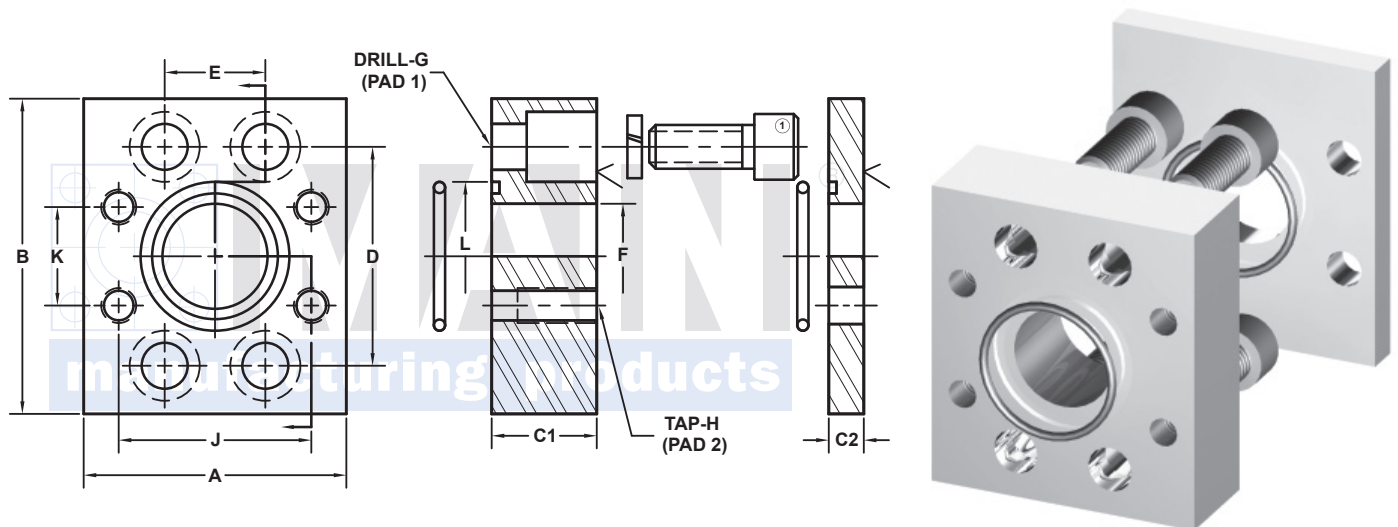


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													61 SERIES TO 61 SERIES		
PAD 1 C61	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
3½ ^④	3½	1317-56-56	6.00	6.00	2.00	4.750	2.750	3.44	.66	5/8-11	4.750	2.750	MK 1571	5/8-11 x 2	241
3½ ^④	3	1317-56-48	5.50	6.00	2.25	4.750	2.750	2.94	.66	5/8-11	4.188	2.438	MK 3504	5/8-11 x 2 1/4	241
3½ ^④	2½	1317-56-40	5.00	6.00	2.25	4.750	2.750	2.44	.66	1/2-13	3.500	2.000	MK 3504	5/8-11 x 2 1/4	241
3½ ^④	2	1317-56-32	5.00	6.00	2.25	4.750	2.750	1.94	.66	1/2-13	3.062	1.688	MK 3504	5/8-11 x 2 1/4	241
3½ ^④	1½	1317-56-24	5.00	6.00	2.25	4.750	2.750	1.50	.66	1/2-13	2.750	1.406	MK 3504	5/8-11 x 2 1/4	241
4 ^④	4	1317-64-64	6.38	6.50	2.00	5.125	3.062	3.94	.66	5/8-11	5.125	3.062	MK 1572	5/8-11 x 2	245
4 ^④	3½	1317-64-56	6.00	6.38	2.25	5.125	3.062	3.44	.66	5/8-11	4.750	2.750	MK 3505	5/8-11 x 2 1/4	245
4 ^④	3	1317-64-48	5.50	6.38	2.25	5.125	3.062	2.94	.66	5/8-11	4.188	2.438	MK 3505	5/8-11 x 2 1/4	245
4 ^④	2½	1317-64-40	5.50	6.38	2.25	5.125	3.062	2.44	.66	1/2-13	3.500	2.000	MK 3505	5/8-11 x 2 1/4	245
4 ^④	2	1317-64-32	5.50	6.38	2.25	5.125	3.062	1.94	.66	1/2-13	3.062	1.688	MK 3505	5/8-11 x 2 1/4	245
4 ^④	1½	1317-64-24	5.50	6.38	2.25	5.125	3.062	1.50	.66	1/2-13	2.750	1.406	MK 3505	5/8-11 x 2 1/4	245
5 ^④	5	1317-80-80	7.25	7.25	2.00	6.000	3.625	4.94	.66	5/8-11	6.000	3.625	MK 2539	5/8-11 x 2	253
5 ^④	4	1317-80-64	7.00	7.25	2.25	6.000	3.625	3.94	.66	5/8-11	5.125	3.062	MK 3506	5/8-11 x 2 1/4	253
5 ^④	3½	1317-80-56	7.00	7.25	2.25	6.000	3.625	3.44	.66	5/8-11	4.750	2.750	MK 3506	5/8-11 x 2 1/4	253
5 ^④	3	1317-80-48	7.00	7.25	2.25	6.000	3.625	2.94	.66	5/8-11	4.188	2.438	MK 3506	5/8-11 x 2 1/4	253

① Order Separately ④ 500 PSI Max

FLANGE ADAPTERS



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	C1	C2	D	E	F	G	H	J	K	L	MOUNTING KIT ^①	
															BOLT SIZE	O-RINGS
1/2	3/4	1317-08-12	2.75	2.25	1.00	.38	1.500	.688	.50	.34	3/8-16	1.875	.875	1.000	5/16-18 x 1	210
1/2	1	1317-08-16	3.00	2.25	1.00	.50	1.500	.688	.50	.34	3/8-16	2.062	1.031	1.000	5/16-18 x 1	210
3/4	1	1317-12-16	2.82	2.75	1.00	.38	1.875	.875	.75	.41	3/8-16	2.062	1.031	1.250	3/8-16 x 1	214
3/4	1 1/4	1317-12-20	3.25	2.75	1.25	.38	1.875	.875	.75	.41	7/16-14	2.312	1.188	1.250	3/8-16 x 1 1/4	214
1	1 1/4	1317-16-20	3.25	3.00	1.25	.38	2.062	1.031	1.00	.41	7/16-14	2.312	1.188	1.562	3/8-16 x 1 1/4	219
1	1 1/2	1317-16-24	3.75	3.00	1.25	.38	2.062	1.031	1.00	.41	1/2-13	2.750	1.406	1.562	3/8-16 x 1 1/4	219
1 1/4	1 1/2	1317-20-24	3.75	3.25	1.25	.38	2.312	1.188	1.25	.47	1/2-13	2.750	1.406	1.750	7/16-14 x 1 1/4	222
1 1/4	2	1317-20-32	4.00	3.25	1.25	.38	2.312	1.188	1.25	.47	1/2-13	3.062	1.688	1.750	7/16-14 x 1 1/4	222
1 1/2	2	1317-24-32	4.00	3.75	1.25	.38	2.750	1.406	1.50	.53	1/2-13	3.062	1.688	2.125	1/2-13 x 1 1/4	225
2	2 1/2^②	1317-32-40	4.50	4.00	1.75	.38	3.062	1.688	1.94	.53	1/2-13	3.500	2.000	2.500	1/2-13 x 1 3/4	228
2	3^③	1317-32-48	5.31	4.50	2.00	.50	3.062	1.688	1.94	.53	5/8-11	4.188	2.438	2.500	1/2-13 x 2	228
2 1/2	3^③	1317-40-48	5.31	4.50	2.00	.50	3.500	2.000	2.44	.53	5/8-11	4.188	2.438	3.000	1/2-13 x 2	232
3	3 1/2^④	1317-48-56	6.00	5.50	1.50	.50	4.188	2.438	2.94	.66	5/8-11	4.750	2.750	3.625	5/8-11 x 1 1/2	237
3	4^④	1317-48-64	6.50	5.50	1.50	.50	4.188	2.438	2.94	.66	5/8-11	5.125	3.062	3.625	5/8-11 x 1 1/2	237
3 1/2	4^④	1317-56-64	6.50	6.00	2.00	.50	4.750	2.750	3.44	.66	5/8-11	5.125	3.062	4.109	5/8-11 x 2	241

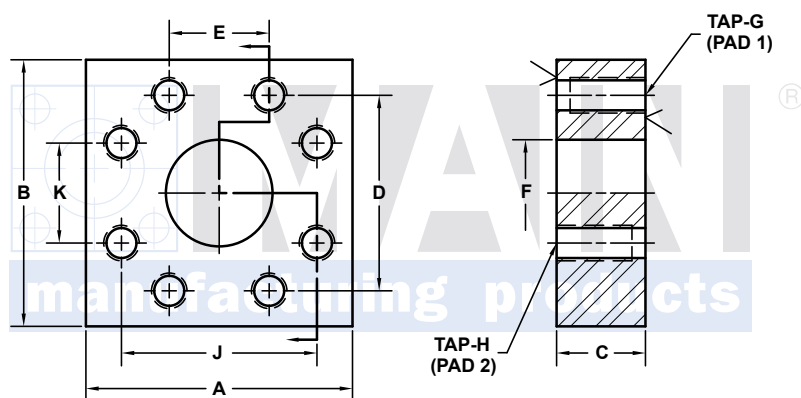
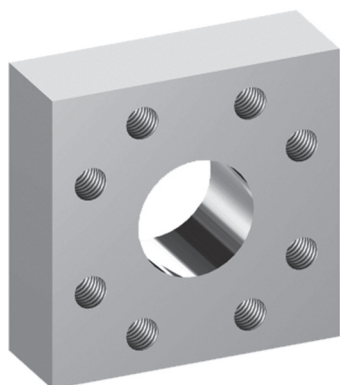
① Included: (4) Bolts, (4) Lock Washers, (2) O-Rings ② 2500 PSI Max ③ 2000 PSI Max ④ 500 PSI Max

C61o / C61f

PG 4/4

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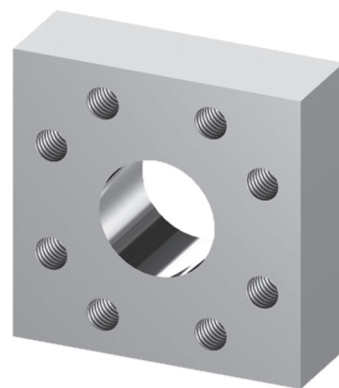
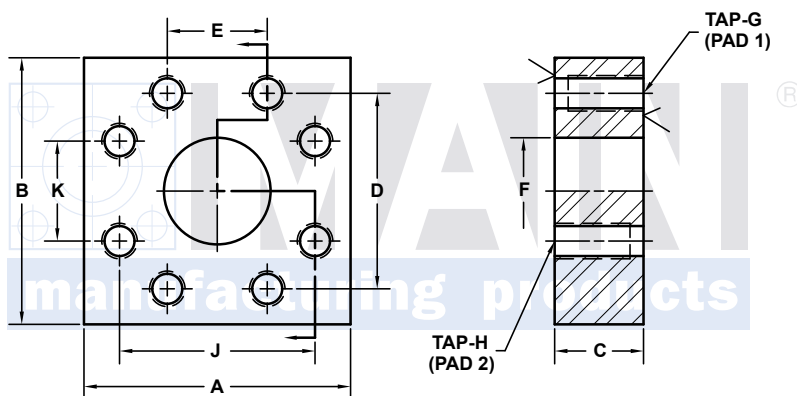
FLANGE ADAPTERS



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	
1/2	1/2	1318-08-08	2.25	2.25	1.00	1.500	.688	.50	5/16-18	5/16-18	1.500	.688	
3/4	3/4	1318-12-12	2.75	2.75	1.00	1.875	.875	.75	3/8-16	3/8-16	1.875	.875	
3/4	1/2	1318-12-08	2.25	2.75	1.75	1.875	.875	.50	3/8-16	5/16-18	1.500	.688	
1	1	1318-16-16	3.00	3.00	1.25	2.062	1.031	1.00	3/8-16	3/8-16	2.062	1.031	
1	3/4	1318-16-12	2.75	3.00	1.75	2.062	1.031	.75	3/8-16	3/8-16	1.875	.875	
1	1/2	1318-16-08	2.25	3.00	1.75	2.062	1.031	.50	3/8-16	5/16-18	1.500	.688	
1 1/4	1 1/4	1318-20-20	3.25	3.25	1.25	2.312	1.188	1.25	7/16-14	7/16-14	2.312	1.188	
1 1/4	1	1318-20-16	2.81	3.25	1.75	2.312	1.188	1.00	7/16-14	3/8-16	2.062	1.031	
1 1/4	3/4	1318-20-12	2.75	3.25	1.75	2.312	1.188	.75	7/16-14	3/8-16	1.875	.875	
1 1/4	1/2	1318-20-08	2.50	3.25	1.75	2.312	1.188	.50	7/16-14	5/16-18	1.500	.688	
1 1/2	1 1/2	1318-24-24	3.75	3.75	1.25	2.750	1.406	1.50	1/2-13	1/2-13	2.750	1.406	
1 1/2	1 1/4	1318-24-20	3.25	3.75	2.00	2.750	1.406	1.25	1/2-13	7/16-14	2.312	1.188	
1 1/2	1	1318-24-16	2.75	3.75	1.75	2.750	1.406	1.00	1/2-13	3/8-16	2.062	1.031	
1 1/2	3/4	1318-24-12	2.75	3.75	1.75	2.750	1.406	.75	1/2-13	3/8-16	1.875	.875	
1 1/2	1/2	1318-24-08	2.75	3.75	1.75	2.750	1.406	.50	1/2-13	5/16-18	1.500	.688	

FLANGE ADAPTERS

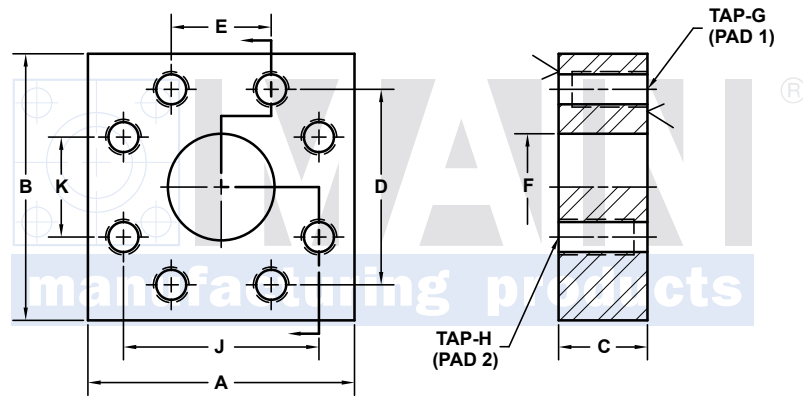
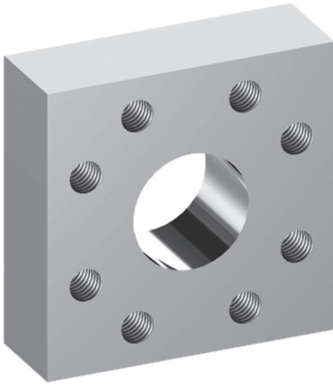


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

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	
2	2	1318-32-32	4.00	4.00	1.25	3.062	1.688	1.94	1/2-13	1/2-13	3.062	1.688	
2	1½	1318-32-24	3.75	4.00	2.00	3.062	1.688	1.50	1/2-13	1/2-13	2.750	1.406	
2	1¼	1318-32-20	3.25	4.00	2.00	3.062	1.688	1.25	1/2-13	7/16-14	2.312	1.188	
2	1	1318-32-16	3.25	4.00	1.75	3.062	1.688	1.00	1/2-13	3/8-16	2.062	1.031	
2	¾	1318-32-12	3.25	4.00	1.75	3.062	1.688	.75	1/2-13	3/8-16	1.875	.875	
2	½	1318-32-08	3.25	4.00	1.75	3.062	1.688	.50	1/2-13	5/16-18	1.500	.688	
2½^①	2½	1318-40-40	4.50	4.50	1.50	3.500	2.000	2.44	1/2-13	1/2-13	3.500	2.000	
2½^①	2	1318-40-32	4.00	4.50	2.00	3.500	2.000	1.94	1/2-13	1/2-13	3.062	1.688	
2½^①	1½	1318-40-24	4.00	4.50	2.00	3.500	2.000	1.50	1/2-13	1/2-13	2.750	1.406	
2½^①	1¼	1318-40-20	4.00	4.50	2.00	3.500	2.000	1.25	1/2-13	7/16-14	2.312	1.188	
2½^①	1	1318-40-16	4.00	4.50	1.75	3.500	2.000	1.00	1/2-13	3/8-16	2.062	1.031	
2½^①	¾	1318-40-12	4.00	4.50	1.75	3.500	2.000	.75	1/2-13	3/8-16	1.875	.875	
2½^①	½	1318-40-08	4.00	4.50	1.75	3.500	2.000	.50	1/2-13	5/16-18	1.500	.688	
3^②	3	1318-48-48	5.50	5.50	1.75	4.188	2.438	2.94	5/8-11	5/8-11	4.188	2.438	
3^②	2½	1318-48-40	4.50	5.50	2.25	4.188	2.438	2.44	5/8-11	1/2-13	3.500	2.000	
3^②	2	1318-48-32	4.50	5.31	2.00	4.188	2.438	1.94	5/8-11	1/2-13	3.062	1.688	
3^②	1½	1318-48-24	4.50	5.31	2.00	4.188	2.438	1.50	5/8-11	1/2-13	2.750	1.406	
3^②	1¼	1318-48-20	4.50	5.31	2.00	4.188	2.438	1.25	5/8-11	7/16-14	2.312	1.188	
3^②	1	1318-48-16	4.50	5.31	2.00	4.188	2.438	1.00	5/8-11	3/8-16	2.062	1.031	

① 2500 PSI Max ② 2000 PSI Max

FLANGE ADAPTERS



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	
3½ ^③	3½	1318-56-56	6.00	6.00	2.00	4.750	2.750	3.44	5/8-11	5/8-11	4.750	2.750	
3½ ^③	3	1318-56-48	5.50	6.00	2.25	4.750	2.750	2.94	5/8-11	5/8-11	4.188	2.438	
3½ ^③	2½	1318-56-40	5.00	6.00	2.25	4.750	2.750	2.44	5/8-11	1/2-13	3.500	2.000	
3½ ^③	2	1318-56-32	5.00	6.00	2.25	4.750	2.750	1.94	5/8-11	1/2-13	3.062	1.688	
3½ ^③	1½	1318-56-24	5.00	6.00	2.25	4.750	2.750	1.50	5/8-11	1/2-13	2.750	1.406	
4 ^③	4	1318-64-64	6.38	6.50	2.00	5.125	3.062	3.94	5/8-11	5/8-11	5.125	3.062	
4 ^③	3½	1318-64-56	6.00	6.38	2.25	5.125	3.062	3.44	5/8-11	5/8-11	4.750	2.750	
4 ^③	3	1318-64-48	5.50	6.38	2.25	5.125	3.062	2.94	5/8-11	5/8-11	4.188	2.438	
4 ^③	2½	1318-64-40	5.50	6.38	2.25	5.125	3.062	2.44	5/8-11	1/2-13	3.500	2.000	
4 ^③	2	1318-64-32	5.50	6.38	2.25	5.125	3.062	1.94	5/8-11	1/2-13	3.062	1.688	
4 ^③	1½	1318-64-24	5.50	6.38	2.25	5.125	3.062	1.50	5/8-11	1/2-13	2.750	1.406	
5 ^③	5	1318-80-80	7.25	7.25	2.00	6.000	3.625	4.94	5/8-11	5/8-11	6.000	3.625	
5 ^③	4	1318-80-64	7.00	7.25	2.25	6.000	3.625	3.94	5/8-11	5/8-11	5.125	3.062	
5 ^③	3½	1318-80-56	7.00	7.25	2.25	6.000	3.625	3.44	5/8-11	5/8-11	4.750	2.750	
5 ^③	3	1318-80-48	7.00	7.25	2.25	6.000	3.625	2.94	5/8-11	5/8-11	4.188	2.438	

③ 500 PSI Max

MULTIPLE FLANGE PATTERN FLANGES

Some flanges offered by **MAIN Manufacturing Products, Inc.** have multiple flange connections. These flanges are available in In-Line, Elbow, Branch Tee and Run Tee and are also available with IMPERIAL (UNC) or METRIC bolt holes. The pages in this catalog refer to METRIC x METRIC on both flange patterns (####-##M-##M). These are also available in IMPERIAL x IMPERIAL (####-##-##), METRIC x IMPERIAL (####-##M**-##) and IMPERIAL x METRIC (####-##-##M**), where ** is the metric bolt size. The following would be a 1 1/4" (-20) Code 61 O-Ring style flange pattern x 1" (-16) Code 61 Flat Face flange pattern, In-Line Flange Adapter.

CATALOG PART NUMBERING SYSTEM

Both Pad 1 & 2 Use Metric Bolts:

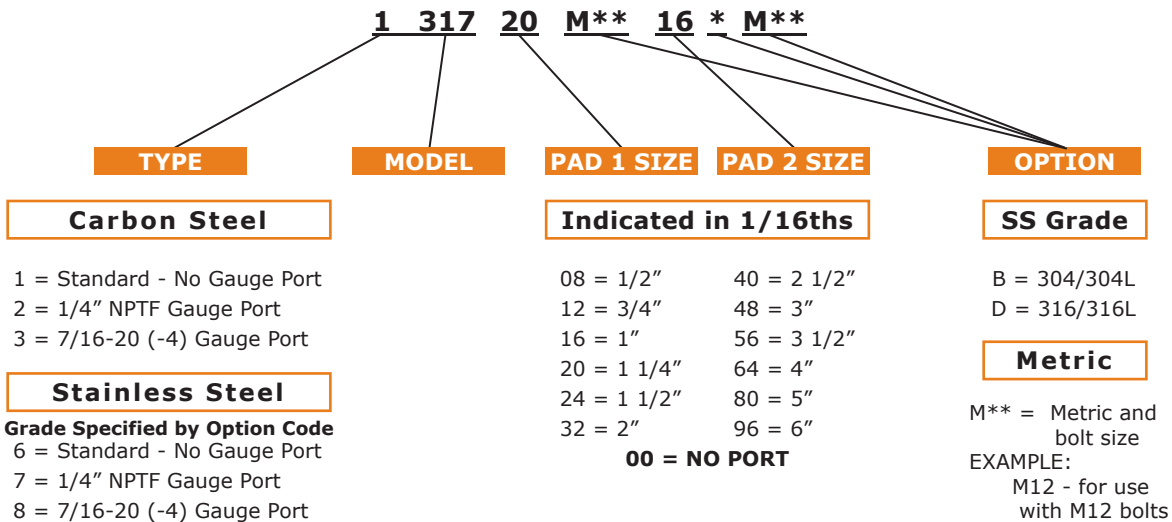
1317 - 20 M - 16 M

Only Pad 1 Uses Metric Bolts:

1317 - 20 M10 - 16

Only Pad 2 Uses Metric Bolts:

1317 - 20 - 16 M10



METRIC x METRIC

1181-##M-##M

1182-##M-##M

1183-##M-##M

1184-##M-##M

1185-##M-##M

1186-##M-##M

1187-##M-##M

1188-##M-##M

1205-##M-##M

1206-##M-##M

1207-##M-##M

1208-##M-##M

1315-##M-##M

1316-##M-##M

1317-##M-##M

1318-##M-##M

1339-##M-##M

1340-##M-##M

1341-##M-##M

1342-##M-##M

METRIC x IMPERIAL

1181-##M**-##

1182-##M**-##

1183-##M**-##

1184-##M**-##

1185-##M**-##

1186-##M**-##

1187-##M**-##

1188-##M**-##

1205-##M**-##

1206-##M**-##

1207-##M**-##

1208-##M**-##

1315-##M**-##

1316-##M**-##

1317-##M**-##

1318-##M**-##

1339-##M**-##

1340-##M**-##

1341-##M**-##

1342-##M**-##

IMPERIAL x METRIC

1181-##-##M**

1182-##-##M**

1183-##-##M**

1184-##-##M**

1185-##-##M**

1186-##-##M**

1187-##-##M**

1188-##-##M**

1205-##-##M**

1206-##-##M**

1207-##-##M**

1208-##-##M**

1315-##-##M**

1316-##-##M**

1317-##-##M**

1318-##-##M**

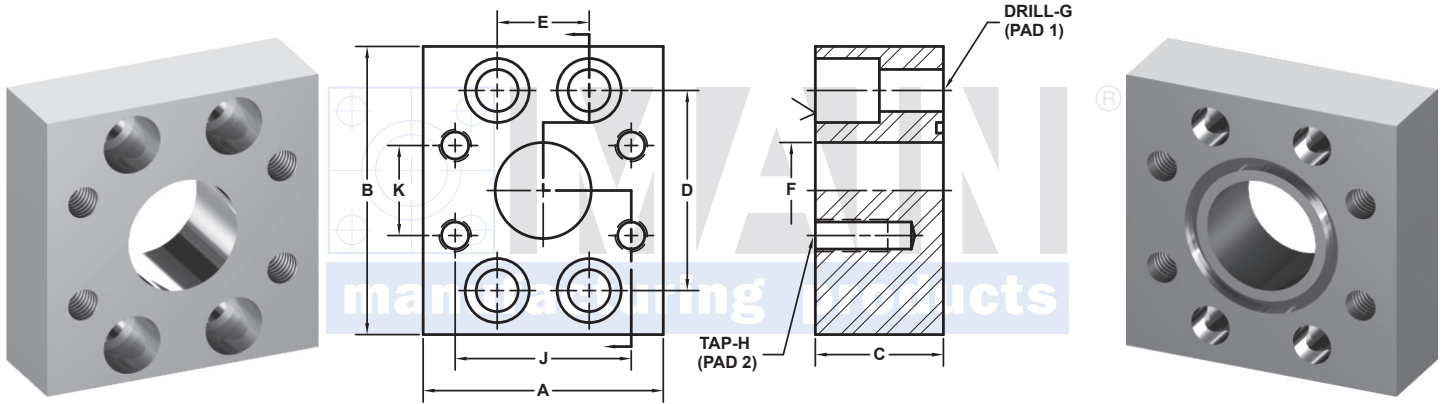
1339-##-##M**

1340-##-##M**

1341-##-##M**

1342-##-##M**

FLANGE ADAPTERS



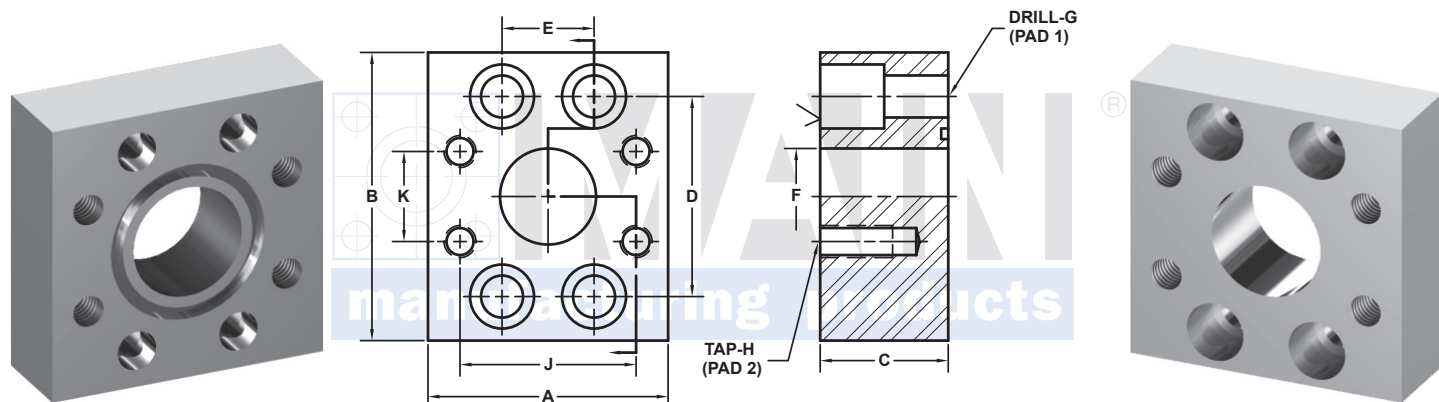
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

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

① Order Separately

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS



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

SAE BOLT PATTERN													62 SERIES TO 61 SERIES ^⑤		
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
2	2	1339-32-32	4.00	5.25	1.75	3.812	1.750	1.94	.78	1/2-13	3.062	1.688	MK 563	3/4-10 x 2	228
2	1½	1339-32-24	4.00	5.25	2.00	3.812	1.750	1.50	.78	1/2-13	2.750	1.406	MK 1574	3/4-10 x 2 1/4	228
2	1¼	1339-32-20	4.00	5.25	2.00	3.812	1.750	1.25	.78	7/16-14	2.312	1.188	MK 1574	3/4-10 x 2 1/4	228
2	1	1339-32-16	4.00	5.25	1.75	3.812	1.750	1.00	.78	3/8-16	2.062	1.031	MK 563	3/4-10 x 2	228
2	¾	1339-32-12	4.00	5.25	1.75	3.812	1.750	.75	.78	3/8-16	1.875	.875	MK 563	3/4-10 x 2	228
2	½	1339-32-08	4.00	5.25	1.75	3.812	1.750	.50	.78	5/16-18	1.500	.688	MK 563	3/4-10 x 2	228
2½ ^④	2½ ^②	1339-40-40	5.00	6.88	2.00	4.875	2.312	2.44	.94	1/2-13	3.500	2.000	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	2	1339-40-32	5.00	6.88	2.00	4.875	2.312	1.94	.94	1/2-13	3.062	1.688	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	1½	1339-40-24	5.00	6.88	2.00	4.875	2.312	1.50	.94	1/2-13	2.750	1.406	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	1¼	1339-40-20	5.00	6.88	2.00	4.875	2.312	1.25	.94	7/16-14	2.312	1.188	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	1	1339-40-16	5.00	6.88	2.00	4.875	2.312	1.00	.94	3/8-16	2.062	1.031	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	¾	1339-40-12	5.00	6.88	2.00	4.875	2.312	.75	.94	3/8-16	1.875	.875	MK 1513	7/8-9 x 2 1/4	232
2½ ^④	½	1339-40-08	5.00	6.88	2.00	4.875	2.312	.50	.94	5/16-18	1.500	.688	MK 1513	7/8-9 x 2 1/4	232
3 ^④	3 ^③	1339-48-48	6.00	8.50	2.50	6.000	2.812	2.94	1.19	5/8-11	4.188	2.438	MK 1514	1 1/8-7 x 2 1/2	237
3 ^④	2½ ^②	1339-48-40	6.00	8.50	2.50	6.000	2.812	2.44	1.19	1/2-13	3.500	2.000	MK 718	1 1/8-7 x 4 1/2	237
3 ^④	2	1339-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1.19	1/2-13	3.062	1.688	MK 718	1 1/8-7 x 4 1/2	237
3 ^④	1½	1339-48-24	6.00	8.50	2.50	6.000	2.812	1.50	1.19	1/2-13	2.750	1.406	MK 718	1 1/8-7 x 4 1/2	237
3 ^④	1¼	1339-48-20	6.00	8.50	2.50	6.000	2.812	1.25	1.19	7/16-14	2.312	1.188	MK 718	1 1/8-7 x 4 1/2	237
3 ^④	1	1339-48-16	6.00	8.50	2.50	6.000	2.812	1.00	1.19	3/8-16	2.062	1.031	MK 718	1 1/8-7 x 4 1/2	237

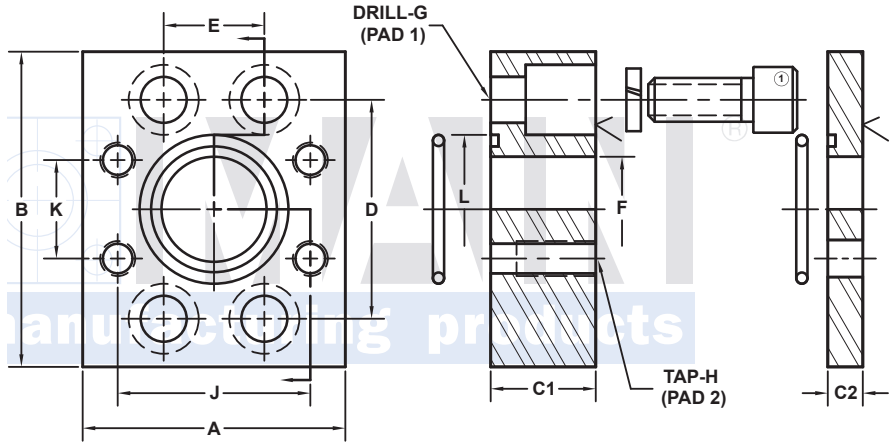
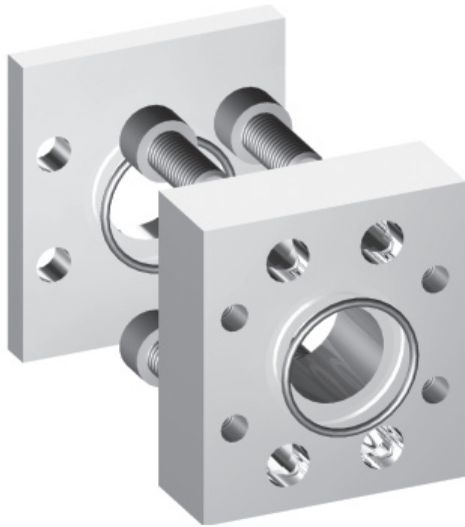
① Order Separately ② 2500 PSI Max ③ 2000 PSI Max ④ Not included in SAE J518 specifications

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

C62o / C61f
PG 2/3

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FLANGE ADAPTERS



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

SAE BOLT PATTERN															62 SERIES TO 61 SERIES ^⑤		
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C1	C2	D	E	F	G	H	J	K	L	MOUNTING KIT ^①		
															BOLT SIZE	O-RINGS	
3/4	1	1339-12-16	2.81	3.00	1.00	.38	2.000	.937	.75	.41	3/8-16	2.062	1.031	1.250	3/8-16 x 1	214	
1	1 1/4	1339-16-20	3.25	3.25	1.25	.38	2.250	1.093	1.00	.47	7/16-14	2.312	1.188	1.562	7/16-14 x 1 1/4	219	
1	1 1/2	1339-16-24	3.75	3.25	1.25	.38	2.250	1.093	1.00	.47	1/2-13	2.750	1.406	1.562	7/16-14 x 1 1/4	219	
1 1/4	1 1/2	1339-20-24	3.75	3.75	1.25	.38	2.625	1.250	1.25	.53	1/2-13	2.750	1.406	1.750	1/2-13 x 1 1/4	222	
1 1/4	2	1339-20-32	4.00	3.75	1.25	.38	2.625	1.250	1.25	.53	1/2-13	3.062	1.688	1.750	1/2-13 x 1 1/4	222	
1 1/2	2	1339-24-32	4.00	4.50	1.50	.50	3.125	1.437	1.50	.66	1/2-13	3.062	1.688	2.125	5/8-11 x 1 1/2	225	
2	2 1/2^②	1339-32-40	4.50	5.25	1.75	.50	3.812	1.750	1.94	.78	1/2-13	3.500	2.000	2.500	3/4-10 x 2	228	

① Included: (4) Bolts, (4) Lock Washers, (2) O-Rings ② 2500 PSI Max

⑤ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

CREATE A FLANGE ADAPTER

If the adapter you require is
not shown in this catalog
fill out this form and

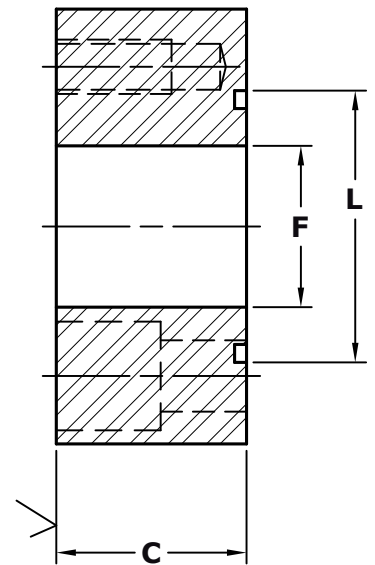
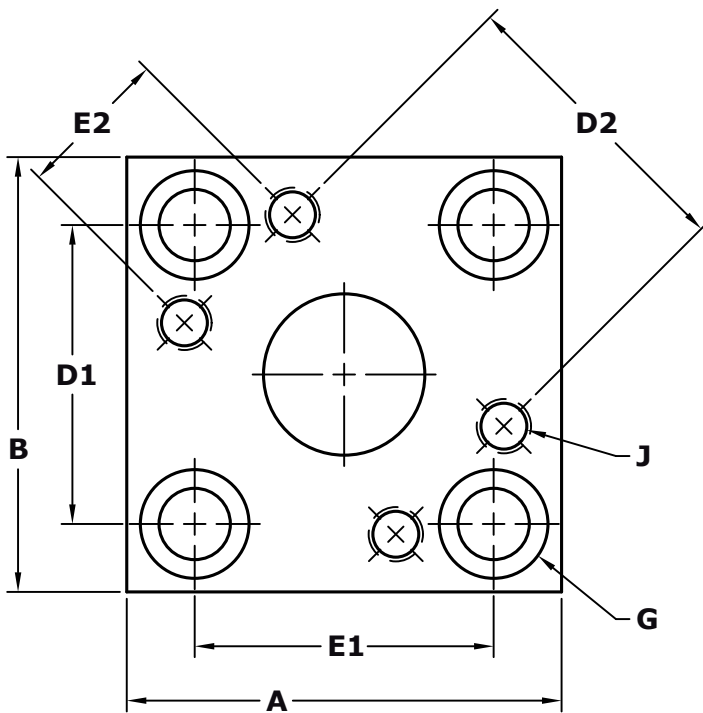
Fax to (810) 953-1385

or

Scan and E-mail to
info@mainmfg.com

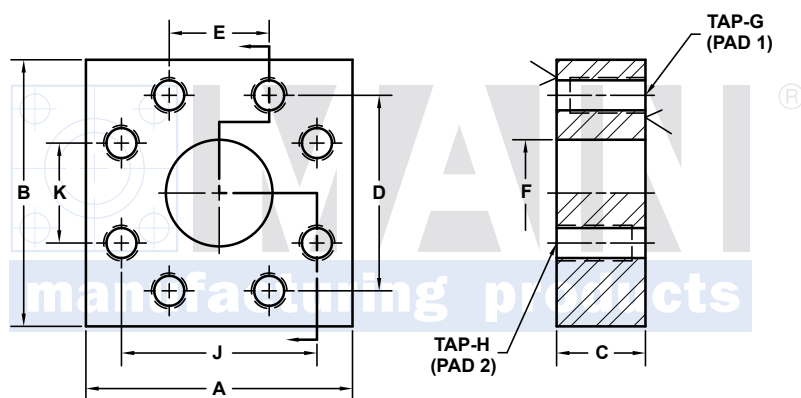
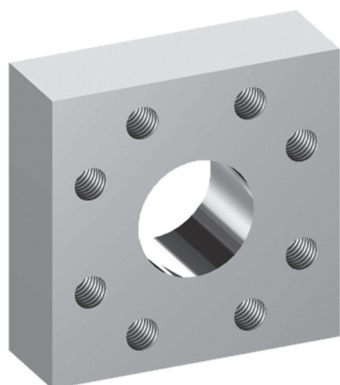
DIMENSIONS

A-
B-
C-
D1-
E1-
G-
F-
L-
D2-
E2-
J-



Contact Name Company Name Address Phone, Fax and/or e-mail		Quantity
		Material
		Miscellaneous Notes

FLANGE ADAPTERS

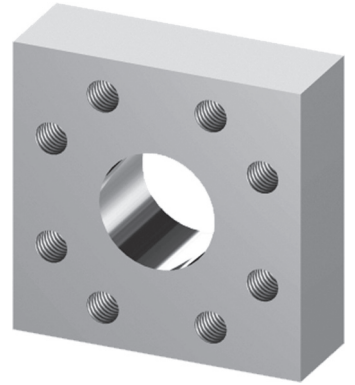
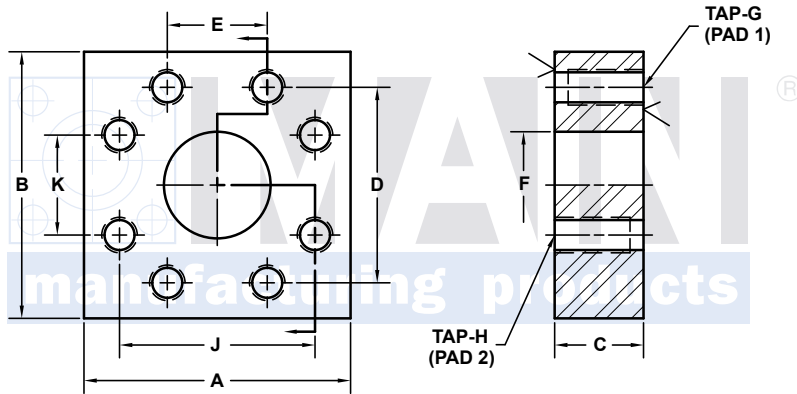


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN							62 SERIES TO 61 SERIES ^④						
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
1/2	1/2	1340-08-08					USE 1316-08-08						
3/4	3/4	1340-12-12					USE 1316-12-12						
3/4	1/2	1340-12-08	2.25	2.81	1.75	2.000	.937	.50	3/8-16	5/16-18	1.500	.688	
1	1	1340-16-16					USE 1316-16-16						
1	3/4	1340-16-12	2.75	3.19	1.75	2.250	1.093	.75	7/16-14	3/8-16	1.875	.875	
1	1/2	1340-16-08	2.25	3.19	1.75	2.250	1.093	.50	7/16-14	5/16-18	1.500	.688	
1 1/4	1 1/4	1340-20-20					USE 1316-20-20						
1 1/4	1	1340-20-16	2.75	3.75	1.75	2.625	1.250	1.00	1/2-13	3/8-16	2.062	1.031	
1 1/4	3/4	1340-20-12	2.75	3.75	1.75	2.625	1.250	.75	1/2-13	3/8-16	1.875	.875	
1 1/4	1/2	1340-20-08	2.75	3.75	1.75	2.625	1.250	.50	1/2-13	5/16-18	1.500	.688	
1 1/2	1 1/2	1340-24-24					USE 1316-24-24						
1 1/2	1 1/4	1340-24-20	3.25	4.50	2.00	3.125	1.437	1.25	5/8-11	7/16-14	2.312	1.188	
1 1/2	1	1340-24-16	3.25	4.50	1.75	3.125	1.437	1.00	5/8-11	3/8-16	2.062	1.031	
1 1/2	3/4	1340-24-12	3.25	4.50	1.75	3.125	1.437	.75	5/8-11	3/8-16	1.875	.875	
1 1/2	1/2	1340-24-08	3.25	4.50	1.75	3.125	1.437	.50	5/8-11	5/16-18	1.500	.688	

④ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS



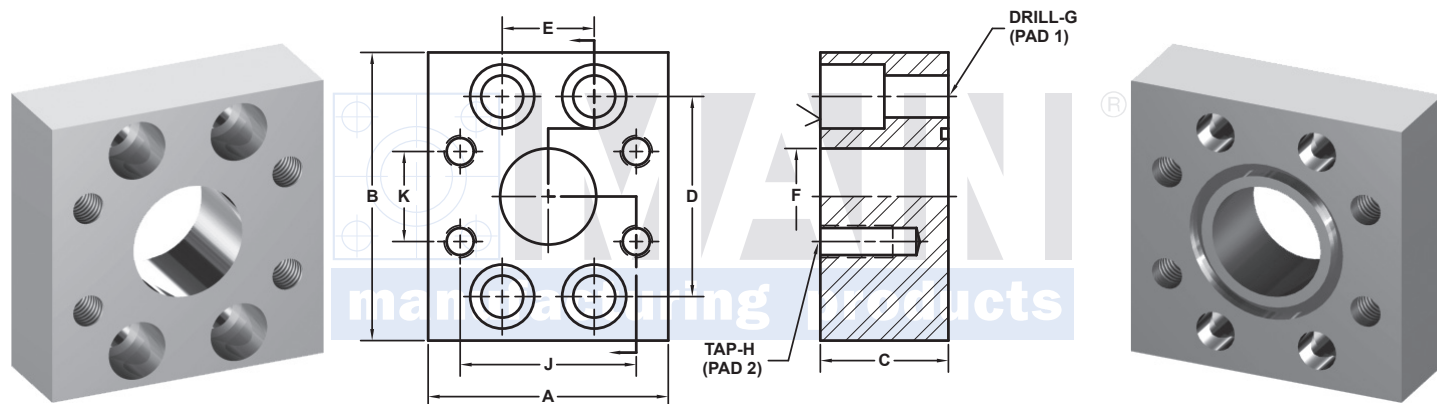
3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN							62 SERIES TO 61 SERIES ^④						
PAD 1 C62	PAD 2 C61	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
2	2	1340-32-32					USE 1316-32-32						
2	1½	1340-32-24	4.00	5.25	2.00	3.812	1.750	1.50	3/4-10	1/2-13	2.750	1.406	
2	1¼	1340-32-20	4.00	5.25	2.00	3.812	1.750	1.25	3/4-10	7/16-14	2.312	1.188	
2	1	1340-32-16	4.00	5.25	1.75	3.812	1.750	1.00	3/4-10	3/8-16	2.062	1.031	
2	¾	1340-32-12	4.00	5.25	1.75	3.812	1.750	.75	3/4-10	3/8-16	1.875	.875	
2	½	1340-32-08	4.00	5.25	1.75	3.812	1.750	.50	3/4-10	5/16-18	1.500	.688	
2½^③	2½^①	1340-40-40					USE 1316-40-40						
2½^③	2	1340-40-32	5.00	6.88	2.00	4.875	2.312	1.94	7/8-9	1/2-13	3.062	1.688	
2½^③	1½	1340-40-24	5.00	6.88	2.00	4.875	2.312	1.50	7/8-9	1/2-13	2.750	1.406	
2½^③	1¼	1340-40-20	5.00	6.88	2.00	4.875	2.312	1.25	7/8-9	7/16-14	2.312	1.188	
2½^③	1	1340-40-16	5.00	6.88	2.00	4.875	2.312	1.00	7/8-9	3/8-16	2.062	1.031	
2½^③	¾	1340-40-12	5.00	6.88	2.00	4.875	2.312	.75	7/8-9	3/8-16	1.875	.875	
2½^③	½	1340-40-08	5.00	6.88	2.00	4.875	2.312	.50	7/8-9	5/16-18	1.500	.688	
3^③	3^②	1340-48-48					USE 1316-48-48						
3^③	2½^①	1340-48-40	6.00	8.50	2.50	6.000	2.812	2.44	1 1/8-7	1/2-13	3.500	2.000	
3^③	2	1340-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1 1/8-7	1/2-13	3.062	1.688	
3^③	1½	1340-48-24	6.00	8.50	2.50	6.000	2.812	1.50	1 1/8-7	1/2-13	2.750	1.406	
3^③	1¼	1340-48-20	6.00	8.50	2.50	6.000	2.812	1.25	1 1/8-7	7/16-14	2.312	1.188	
3^③	1	1340-48-16	6.00	8.50	2.50	6.000	2.812	1.00	1 1/8-7	3/8-16	2.062	1.031	

① 2500 PSI Max ② 2000 PSI Max ③ Not included in SAE J518 specifications

④ **CAUTION:** Flange adapter pressure rating cannot exceed 61 series pad connection.

FLANGE ADAPTERS

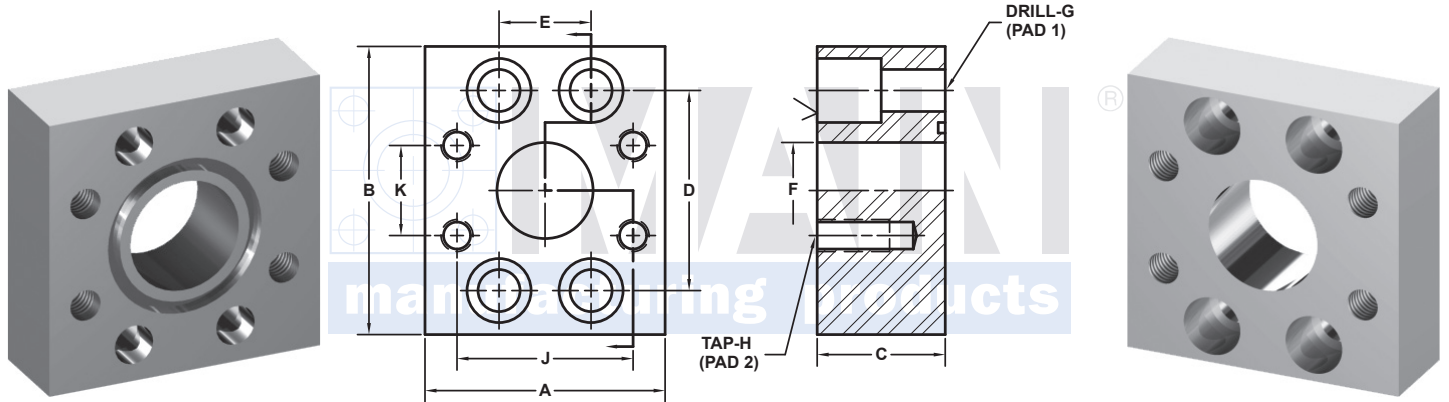


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													62 SERIES TO 62 SERIES		
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
1/2	1/2	1341-08-08	2.25	2.25	1.00	1.594	.718	.50	.34	5/16-18	1.594	.718	MK 564	5/16-18 x 1	210
3/4	3/4	1341-12-12	3.00	3.00	1.00	2.000	.937	.75	.41	3/8-16	2.000	.937	MK 565	3/8-16 x 1	214
3/4	1/2	1341-12-08	2.25	2.81	1.50	2.000	.937	.50	.41	5/16-18	1.594	.718	MK 1525	3/8-16 x 1 1/2	214
1	1	1341-16-16	3.25	3.25	1.25	2.250	1.093	1.00	.47	7/16-14	2.250	1.093	MK 569	7/16-14 x 1 1/4	219
1	3/4	1341-16-12	3.00	3.19	1.75	2.250	1.093	.75	.47	3/8-16	2.000	.937	MK 513	7/16-14 x 1 3/4	219
3/4	1/2	1341-16-08	2.25	3.19	1.50	2.250	1.093	.50	.47	5/16-18	1.594	.718	MK 1529	7/16-14 x 1 1/2	219
1 1/4	1 1/4	1341-20-20	3.75	3.75	1.25	2.625	1.250	1.25	.53	1/2-13	2.625	1.250	MK 570	1/2-13 x 1 1/4	222
1 1/4	1	1341-20-16	3.25	3.75	1.75	2.625	1.250	1.00	.53	7/16-14	2.250	1.093	MK 529	1/2-13 x 1 3/4	222
1 1/4	3/4	1341-20-12	2.81	3.75	1.75	2.625	1.250	.75	.53	3/8-16	2.000	.937	MK 529	1/2-13 x 1 3/4	222
1 1/4	1/2	1341-20-08	2.75	3.75	1.50	2.625	1.250	.50	.53	5/16-18	1.594	.718	MK 1523	1/2-13 x 1 1/2	222
1 1/2	1 1/2	1341-24-24	4.50	4.50	1.75	3.125	1.437	1.50	.66	5/8-11	3.125	1.437	MK 1544	5/8-11 x 1 3/4	225
1 1/2	1 1/4	1341-24-20	3.75	4.50	2.00	3.125	1.437	1.25	.66	1/2-13	2.625	1.250	MK 562	5/8-11 x 2	225
1 1/2	1	1341-24-16	3.25	4.50	2.00	3.125	1.437	1.00	.66	7/16-14	2.250	1.093	MK 562	5/8-11 x 2	225
1 1/2	3/4	1341-24-12	3.25	4.50	1.75	3.125	1.437	.75	.66	3/8-16	2.000	.937	MK 1544	5/8-11 x 1 3/4	225
1 1/2	1/2	1341-24-08	3.25	4.50	1.50	3.125	1.437	.50	.66	5/16-18	1.594	.718	MK 571	5/8-11 x 1 1/2	225

① Order Separately

FLANGE ADAPTERS

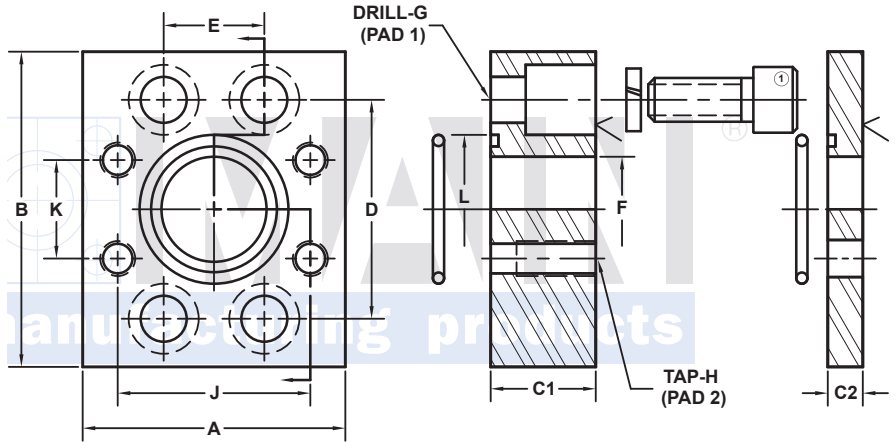
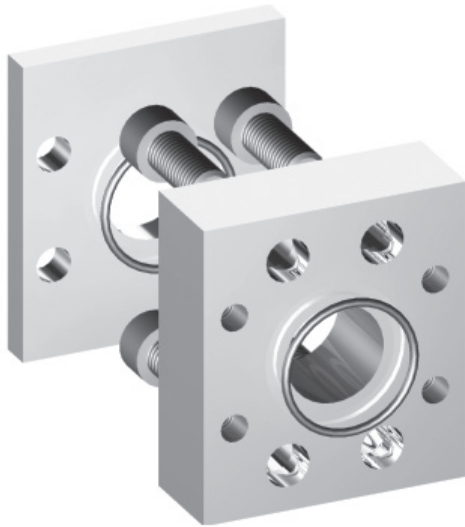


3181 TRI-PARK DR. GRAND BLANC, MI 48439 800-521-7918 810-953-1380 FAX 810-953-1385 INFO@MAINMFG.COM

SAE BOLT PATTERN													62 SERIES TO 62 SERIES		
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	MOUNTING KIT ^①		
													PART NO.	BOLT SIZE	O-RING
2	2	1341-32-32	5.25	5.25	1.75	3.812	1.750	1.94	.78	3/4-10	3.812	1.750	MK 563	3/4-10 x 2	228
2	1½	1341-32-24	4.50	5.25	2.25	3.812	1.750	1.50	.78	5/8-11	3.125	1.437	MK 1548	3/4-10 x 2 1/2	228
2	1¼	1341-32-20	4.00	5.25	2.00	3.812	1.750	1.25	.78	1/2-13	2.625	1.250	MK 1574	3/4-10 x 2 1/4	228
2	1	1341-32-16	4.00	5.25	1.75	3.812	1.750	1.00	.78	7/16-14	2.250	1.093	MK 563	3/4-10 x 2	228
2	¾	1341-32-12	4.00	5.25	1.75	3.812	1.750	.75	.78	3/8-16	2.000	.937	MK 563	3/4-10 x 2	228
2	½	1341-32-08	4.00	5.25	1.75	3.812	1.750	.50	.78	5/16-18	1.594	.718	MK 563	3/4-10 x 2	228
2½ ^②	2½ ^②	1341-40-40	6.88	7.00	2.00	4.875	2.312	2.44	.94	7/8-9	4.875	2.312	MK 1513	7/8-9 x 2 1/4	232
2½ ^②	2	1341-40-32	5.25	7.00	2.50	4.875	2.312	1.94	.94	3/4-10	3.812	1.750	MK 1575	7/8-9 x 2 3/4	232
2½ ^②	1½	1341-40-24	5.00	7.00	2.50	4.875	2.312	1.50	.94	5/8-11	3.125	1.437	MK 1575	7/8-9 x 2 3/4	232
2½ ^②	1¼	1341-40-20	5.00	6.88	2.00	4.875	2.312	1.25	.94	1/2-13	2.625	1.250	MK 1513	7/8-9 x 2 1/4	232
2½ ^②	1	1341-40-16	5.00	6.88	2.00	4.875	2.312	1.00	.94	7/16-14	2.250	1.093	MK 1513	7/8-9 x 2 1/4	232
2½ ^②	¾	1341-40-12	5.00	6.88	2.00	4.875	2.312	.75	.94	3/8-16	2.000	.937	MK 1513	7/8-9 x 2 1/4	232
2½ ^②	½	1341-40-08	5.00	6.88	2.00	4.875	2.312	.50	.94	5/16-18	1.594	.718	MK 1513	7/8-9 x 2 1/4	232
3 ^②	3 ^②	1341-48-48	8.50	8.50	2.50	6.000	2.812	2.94	1.19	1 1/8-7	6.000	2.812	MK 1514	1 1/8-7 x 2 1/2	237
3 ^②	2½ ^②	1341-48-40	7.00	8.50	2.50	6.000	2.812	2.44	1.19	7/8-9	4.875	2.312	MK 1514	1 1/8-7 x 2 1/2	237
3 ^②	2	1341-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1.19	3/4-10	3.812	1.750	MK 1514	1 1/8-7 x 2 1/2	237
3 ^②	1½	1341-48-24	6.00	8.50	2.50	6.000	2.812	1.50	1.19	5/8-11	3.125	1.437	MK 1514	1 1/8-7 x 2 1/2	237
3 ^②	1¼	1341-48-20	6.00	8.50	2.50	6.000	2.812	1.25	1.19	1/2-13	2.625	1.250	MK 1514	1 1/8-7 x 2 1/2	237
3 ^②	1	1341-48-16	6.00	8.50	2.50	6.000	2.812	1.00	1.19	7/16-14	2.250	1.093	MK 1514	1 1/8-7 x 2 1/2	237

① Order Separately ② Not included in SAE J518 specifications

FLANGE ADAPTERS



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

SAE BOLT PATTERN								62 SERIES TO 62 SERIES								
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C1	C2	D	E	F	G	H	J	K	L	MOUNTING KIT ^①	
															BOLT SIZE	O-RINGS
1/2	3/4	1341-08-12	2.81	2.25	1.00	.38	1.594	.718	.50	.34	3/8-16	2.000	.937	1.000	5/16-18 x 1	210
3/4	1	1341-12-16	3.25	2.81	1.25	.38	2.000	.937	.75	.41	7/16-14	2.250	1.093	1.250	3/8-16 x 1 1/4	214
3/4	1 1/4	1341-12-20	3.75	3.25	1.25	.38	2.000	.937	.75	.41	1/2-13	2.625	1.250	1.250	3/8-16 x 1 1/4	214
3/4	1 1/2	1341-12-24	4.50	3.25	1.50	.38	2.000	.937	.75	.41	5/8-11	3.125	1.437	1.250	3/8-16 x 1 1/2	214
1	1 1/4	1341-16-20	3.75	3.25	1.25	.38	2.250	1.093	1.00	.47	1/2-13	2.625	1.250	1.562	7/16-14 x 1 1/4	219
1	1 1/2	1341-16-24	4.50	3.25	1.50	.38	2.250	1.093	1.00	.47	5/8-11	3.125	1.437	1.562	7/16-14 x 1 1/2	219
1 1/4	1 1/2	1341-20-24	4.50	3.75	1.50	.38	2.625	1.250	1.25	.53	5/8-11	3.125	1.437	1.750	1/2-13 x 1 1/2	222
1 1/4	2	1341-20-32	5.25	4.50	1.75	.50	2.625	1.250	1.25	.53	3/4-10	3.812	1.750	1.750	1/2-13 x 1 3/4	222
1 1/2	2	1341-24-32	5.25	4.50	1.75	.50	3.125	1.437	1.50	.66	3/4-10	3.812	1.750	2.125	5/8-11 x 1 3/4	225
2	2 1/2 ^②	1341-32-40	7.00	5.25	2.00	.50	3.812	1.750	1.94	.78	7/8-9	4.875	2.312	2.500	3/4-10 x 2 1/4	228

① Included: (4) Bolts, (4) Lock Washers, (2) O-Rings ② Not included in SAE J518 specifications

QUICK REFERENCE GUIDE



This guide and a toll-free call to

1-800-521-7918

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

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

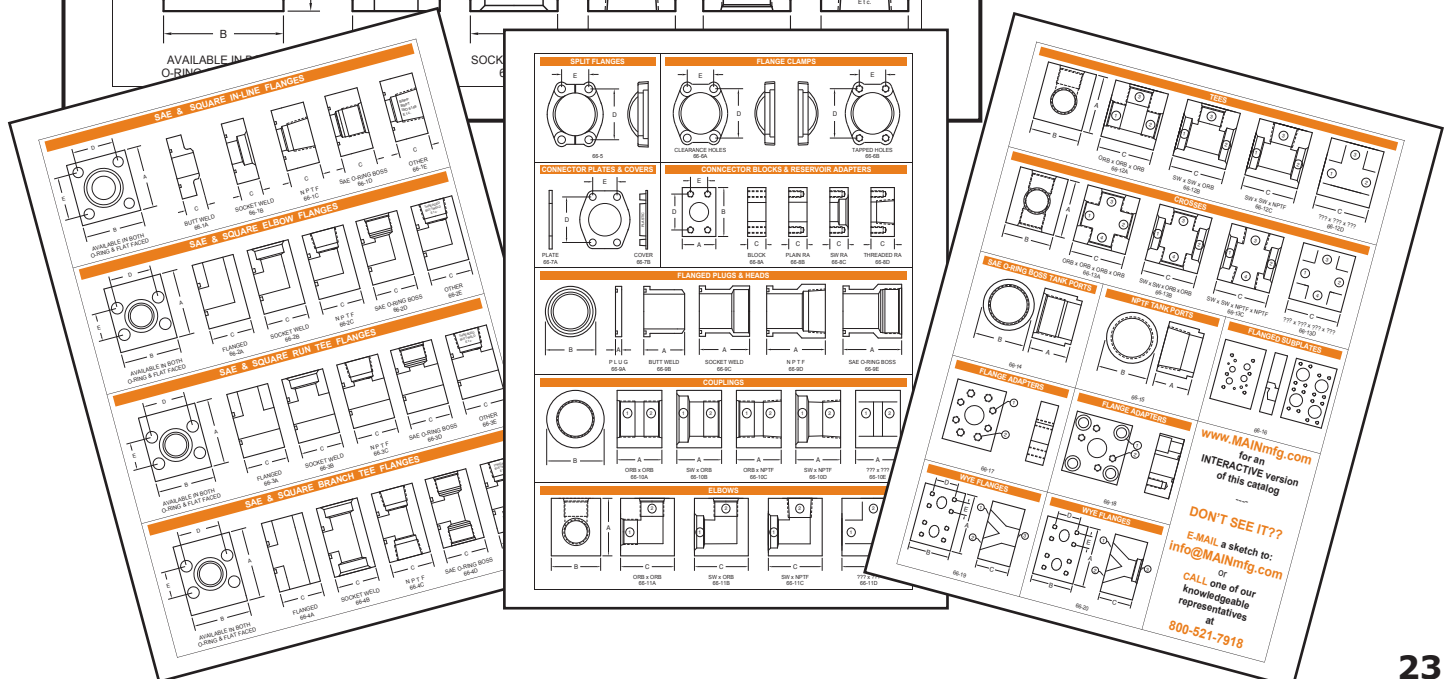
To aid in conversation, **MAIN's** "Quick Reference Guide" is useful, with the drawing number and parameters, our engineers can quote the exact flange. Because we have the skill, knowledge, experience, materials, and tools, you can be assured of receiving a flange manufactured to **MAIN** Manufacturing's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

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

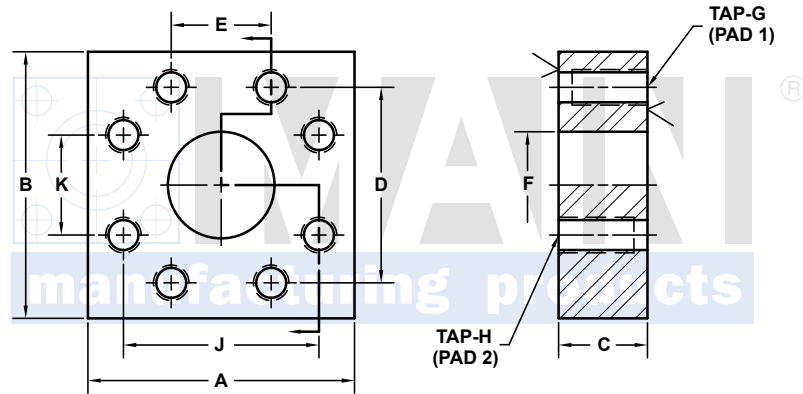
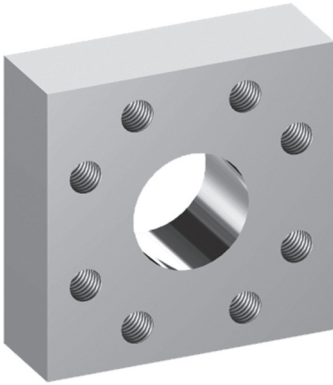
Pad (pattern and screw size)
Flange Type (O-Ring or Flat Face)
Connection (type and size)
Geometry (In-line, Elbow, Tee, etc.)
Material
Extra's

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

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



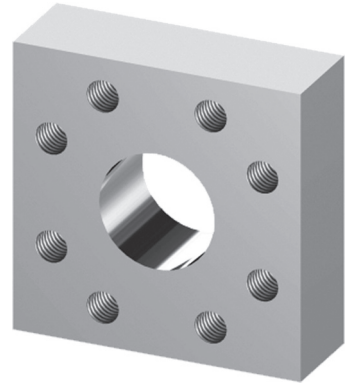
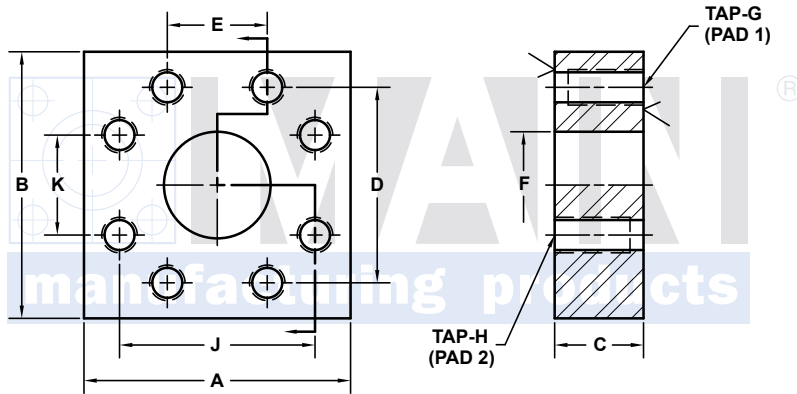
FLANGE ADAPTERS



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

SAE BOLT PATTERN						62 SERIES TO 62 SERIES							
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
1/2	1/2	1342-08-08	2.25	2.25	1.00	1.594	.718	.50	5/16-18	5/16-18	1.594	.718	
3/4	3/4	1342-12-12	3.00	3.00	1.00	2.000	.937	.75	3/8-16	3/8-16	2.000	.937	
3/4	1/2	1342-12-08	2.25	2.81	1.50	2.000	.937	.50	3/8-16	5/16-18	1.594	.718	
1	1	1342-16-16	3.25	3.25	1.25	2.250	1.093	1.00	7/16-14	7/16-14	2.250	1.093	
1	3/4	1342-16-12	3.00	3.19	1.75	2.250	1.093	.75	7/16-14	3/8-16	2.000	.937	
1	1/2	1342-16-08	2.25	3.19	1.50	2.250	1.093	.50	7/16-14	5/16-18	1.594	.718	
1 1/4	1 1/4	1342-20-20	3.75	3.75	1.25	2.625	1.250	1.25	1/2-13	1/2-13	2.625	1.250	
1 1/4	1	1342-20-16	3.25	3.75	1.75	2.625	1.250	1.00	1/2-13	7/16-14	2.250	1.093	
1 1/4	3/4	1342-20-12	2.81	3.75	1.75	2.625	1.250	.75	1/2-13	3/8-16	2.000	.937	
1 1/4	1/2	1342-20-08	2.75	3.75	1.50	2.625	1.250	.50	1/2-13	5/16-18	1.594	.718	
1 1/2	1 1/2	1342-24-24	4.50	4.50	1.75	3.125	1.437	1.50	5/8-11	5/8-11	3.125	1.437	
1 1/2	1 1/4	1342-24-20	3.75	4.50	2.00	3.125	1.437	1.25	5/8-11	1/2-13	2.625	1.250	
1 1/2	1	1342-24-16	3.25	4.50	2.00	3.125	1.437	1.00	5/8-11	7/16-14	2.250	1.093	
1 1/2	3/4	1342-24-12	3.25	4.50	1.75	3.125	1.437	.75	5/8-11	3/8-16	2.000	.937	
1 1/2	1/2	1342-24-08	3.25	4.50	1.50	3.125	1.437	.50	5/8-11	5/16-18	1.594	.718	

FLANGE ADAPTERS



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

SAE BOLT PATTERN							62 SERIES TO 62 SERIES						
PAD 1 C62	PAD 2 C62	PART NUMBER	A	B	C	D	E	F	G	H	J	K	
2	2	1342-32-32	5.25	5.25	1.75	3.812	1.750	1.94	3/4-10	3/4-10	3.812	1.750	
2	1½	1342-32-24	4.50	5.25	2.25	3.812	1.750	1.50	3/4-10	5/8-11	3.125	1.437	
2	1¼	1342-32-20	4.00	5.25	2.00	3.812	1.750	1.25	3/4-10	1/2-13	2.625	1.250	
2	1	1342-32-16	4.00	5.25	1.75	3.812	1.750	1.00	3/4-10	7/16-14	2.250	1.093	
2	¾	1342-32-12	4.00	5.25	1.75	3.812	1.750	.75	3/4-10	3/8-16	2.000	.937	
2	½	1342-32-08	4.00	5.25	1.75	3.812	1.750	.50	3/4-10	5/16-18	1.594	.718	
2½ ^①	2½ ^①	1342-40-40	6.88	7.00	2.00	4.875	2.312	2.44	7/8-9	7/8-9	4.875	2.312	
2½ ^①	2	1342-40-32	5.25	7.00	2.50	4.875	2.312	1.94	7/8-9	3/4-10	3.812	1.750	
2½ ^①	1½	1342-40-24	5.00	7.00	2.50	4.875	2.312	1.50	7/8-9	5/8-11	3.125	1.437	
2½ ^①	1¼	1342-40-20	5.00	6.88	2.00	4.875	2.312	1.25	7/8-9	1/2-13	2.625	1.250	
2½ ^①	1	1342-40-16	5.00	6.88	2.00	4.875	2.312	1.00	7/8-9	7/16-14	2.250	1.093	
2½ ^①	¾	1342-40-12	5.00	6.88	2.00	4.875	2.312	.75	7/8-9	3/8-16	2.000	.937	
2½ ^①	½	1342-40-08	5.00	6.88	2.00	4.875	2.312	.50	7/8-9	5/16-18	1.594	.718	
3 ^①	3 ^①	1342-48-48	8.50	8.50	2.50	6.000	2.812	2.94	1 1/8-7	1 1/8-7	6.000	2.812	
3 ^①	2½ ^①	1342-48-40	7.00	8.50	2.50	6.000	2.812	2.44	1 1/8-7	7/8-9	4.875	2.312	
3 ^①	2	1342-48-32	6.00	8.50	2.50	6.000	2.812	1.94	1 1/8-7	3/4-10	3.812	1.750	
3 ^①	1½	1342-48-24	6.00	8.50	2.50	6.000	2.812	1.50	1 1/8-7	5/8-11	3.125	1.437	
3 ^①	1¼	1342-48-20	6.00	8.50	2.50	6.000	2.812	1.25	1 1/8-7	1/2-13	2.625	1.250	
3 ^①	1	1342-48-16	6.00	8.50	2.50	6.000	2.812	1.00	1 1/8-7	7/16-14	2.250	1.093	

① Not included in SAE J518 specifications

MOUNTING KITS (must be ordered separately)

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

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

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

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

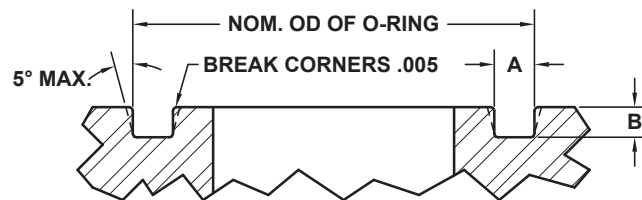
MK **8****, MK **18****, MK **28****, MK **38**** series: Hex head screws, lock washers, & Viton O-Ring

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

MAIN STANDARD O-RING GROOVE

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

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



GROOVE SURFACE FINISH $\sqrt{125}$

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

WELDING INFORMATION

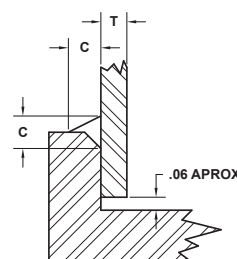
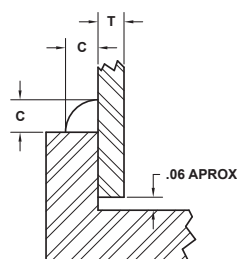
The following general information may need to be changed for specific applications. Consult with a welding specialist for specific applications.

When using ASTM A53 or A106 Grade B seamless pipe:

T = Nominal Wall Thickness of the pipe

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

Use low hydrogen electrode AWS E7018 series



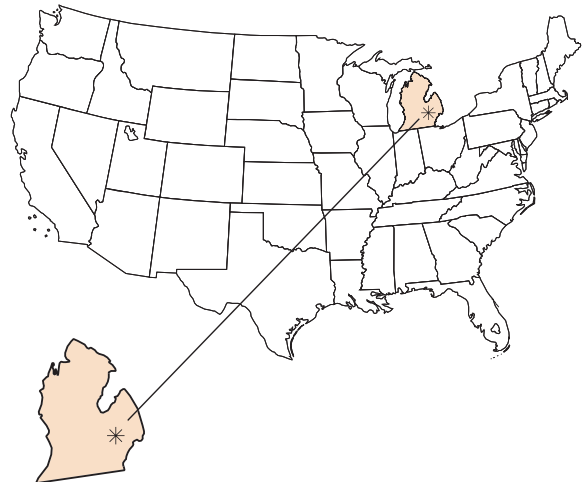
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THANK YOU!

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