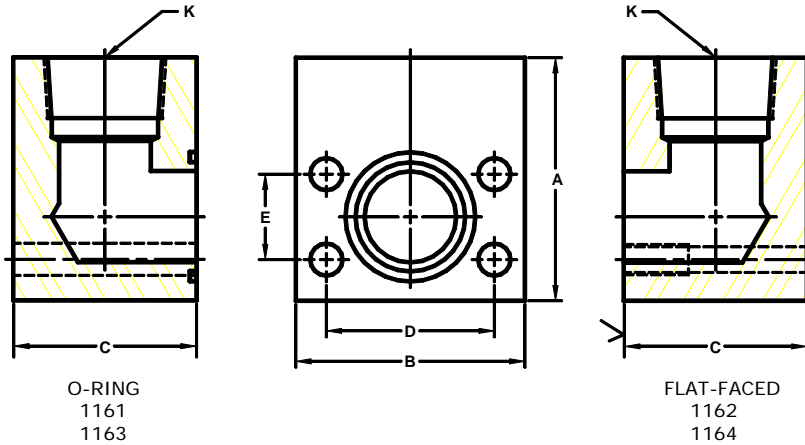


Developers and Manufacturers of Hydraulic Flanges & Components

NPTF THREADED ELBOW FLANGES

| SAE BOLT PATTERN | | | 61 SERIES | | | | | | | | | |
|--------------------|-----------|-------------|-----------|------|------|-------|-------|-------|---------------------------|-----------------|--------|------|
| FLANGE SIZE | PIPE SIZE | PART NUMBER | A | B | C | D | E | K | MOUNTING KIT ^① | | | WT |
| | | | | | | | | | PART NO. | BOLT SIZE | O-RING | |
| 1/2 | 1/2 | 1161-08-08 | 2.00 | 2.12 | 1.44 | 1.500 | .688 | 1/2 | MK 541 | 5/16-18 X 2 | 210 | 1.5 |
| | | 1162-08-08 | | | | | | | ----- | --- | | |
| 3/4 | 3/4 | 1161-12-12 | 2.50 | 2.62 | 1.70 | 1.875 | .875 | 3/4 | MK 542 | 3/8-16 X 2 1/2 | 214 | 2.6 |
| | | 1162-12-12 | | | | | | | ----- | --- | | |
| 1 | 1 | 1161-16-16 | 3.00 | 2.82 | 1.94 | 2.062 | 1.031 | 1 | MK 543 | 3/8-16 X 2 3/4 | 219 | 3.5 |
| | | 1162-16-16 | | | | | | | ----- | --- | | |
| 1 1/4 | 1 1/4 | 1161-20-20 | 3.50 | 3.19 | 2.40 | 2.312 | 1.188 | 1 1/4 | MK 578 | 7/16-14 X 3 1/4 | 222 | 6.2 |
| | | 1162-20-20 | | | | | | | ----- | --- | | |
| 1 1/2 | 1 1/2 | 1161-24-24 | 4.00 | 3.75 | 2.90 | 2.750 | 1.406 | 1 1/2 | MK 545 | 1/2-13 X 4 | 225 | 9.9 |
| | | 1162-24-24 | | | | | | | ----- | --- | | |
| 2 | 2 | 1161-32-32 | 4.50 | 4.00 | 2.96 | 3.062 | 1.688 | 2 | MK 558 | 1/2-13 X 4 | 228 | 10.7 |
| | | 1162-32-32 | | | | | | | ----- | --- | | |
| 2 1/2 ^② | 2 1/2 | 1161-40-40 | 5.00 | 4.50 | 3.96 | 3.500 | 2.000 | 2 1/2 | MK 547 | 1/2-13 X 5 | 232 | 17.5 |
| | | 1162-40-40 | | | | | | | ----- | --- | | |
| 3 ^③ | 3 | 1161-48-48 | 6.00 | 5.31 | 4.46 | 4.188 | 2.438 | 3 | MK 2532 | 5/8-11 X 5 1/2 | 237 | 27.6 |
| | | 1162-48-48 | | | | | | | ----- | --- | | |



| SAE BOLT PATTERN | | | 62 SERIES | | | | | | | | | |
|--------------------|-----------|-------------|-----------|------|------|-------|-------|-------|---------------------------|-----------------|--------|------|
| FLANGE SIZE | PIPE SIZE | PART NUMBER | A | B | C | D | E | K | MOUNTING KIT ^① | | | WT |
| | | | | | | | | | PART NO. | BOLT SIZE | O-RING | |
| 1/2 | 1/2 | 1163-08-08 | 2.00 | 2.22 | 1.46 | 1.594 | .718 | 1/2 | MK 541 | 5/16-18 X 2 | 210 | 1.5 |
| | | 1164-08-08 | | | | | | | ----- | --- | | |
| 3/4 | 3/4 | 1163-12-12 | 2.50 | 2.81 | 1.70 | 2.000 | .937 | 3/4 | MK 542 | 3/8-16 X 2 1/2 | 214 | 2.8 |
| | | 1164-12-12 | | | | | | | ----- | --- | | |
| 1 | 1 | 1163-16-16 | 3.00 | 3.19 | 1.96 | 2.250 | 1.093 | 1 | MK 551 | 7/16-14 X 2 3/4 | 219 | 4.4 |
| | | 1164-16-16 | | | | | | | ----- | --- | | |
| 1 1/4 | 1 1/4 | 1163-20-20 | 4.00 | 3.75 | 2.44 | 2.625 | 1.250 | 1 1/4 | MK 552 | 1/2-13 X 3 1/4 | 222 | 6.7 |
| | | 1164-20-20 | | | | | | | ----- | --- | | |
| 1 1/2 | 1 1/2 | 1163-24-24 | 4.00 | 4.50 | 2.96 | 3.125 | 1.437 | 1 1/2 | MK 553 | 5/8-11 X 4 | 225 | 11.9 |
| | | 1164-24-24 | | | | | | | ----- | --- | | |
| 2 | 2 | 1163-32-32 | 5.00 | 5.25 | 3.46 | 3.812 | 1.750 | 2 | MK 554 | 3/4-10 X 4 1/2 | 228 | 20.2 |
| | | 1164-32-32 | | | | | | | ----- | --- | | |
| 2 1/2 ^④ | 2 1/2 | 1163-40-40 | 6.00 | 6.88 | 4.00 | 4.875 | 2.312 | 2 1/2 | MK 555 | 7/8-9 X 5 1/2 | 232 | 37.9 |
| | | 1164-40-40 | | | | | | | ----- | --- | | |
| 3 ^④ | 3 | 1163-48-48 | 7.00 | 8.50 | 5.00 | 6.000 | 2.812 | 3 | MK 756 | 1 1/8-7 X 7 | 237 | 63.7 |
| | | 1164-48-48 | | | | | | | ----- | --- | | |

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

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