

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

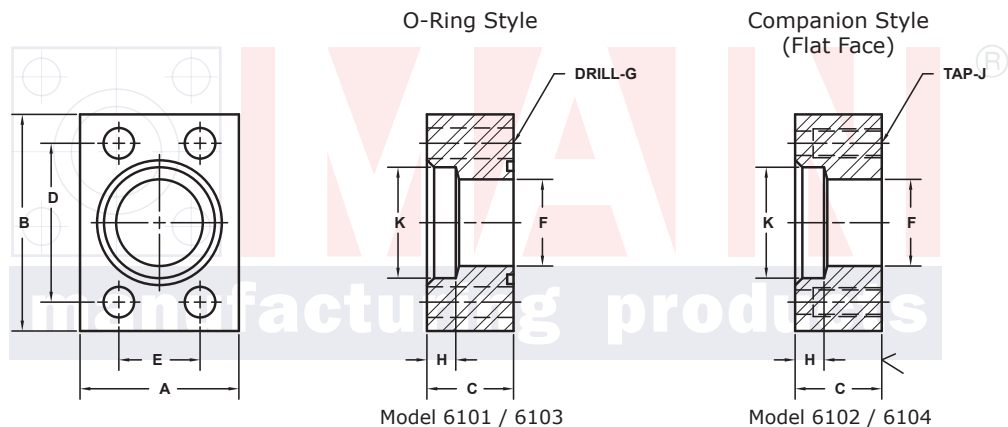
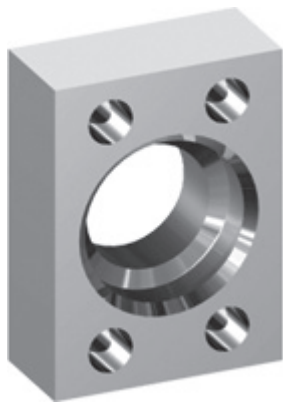
## SAE J518 61 SERIES / ISO6162-1 PATTERN

| FLANGE<br>SIZE | PIPE<br>SIZE | PART<br>NUMBER  | A    | B    | C    | D     | E     | F    | Gmm<br>Jmm | H   | K     | MOUNTING KIT® |          |     | WT  |
|----------------|--------------|-----------------|------|------|------|-------|-------|------|------------|-----|-------|---------------|----------|-----|-----|
|                |              |                 |      |      |      |       |       |      | PART NO.   |     |       | SCREW SIZE    | O-RING   |     |     |
| 1/2            | 1/2          | 6101-08-08BM8   | 1.50 | 2.12 | .75  | 1.500 | .688  | .50  | 8.5        | .38 | .860  | MKM 501       | M8 x 30  | 210 | .5  |
|                |              | 6102-08-08BM8   |      |      |      |       |       |      | M8x1.25    |     |       | -----         | -----    | --- |     |
| 3/4            | 1/2          | 6101-12-08BM10  | 1.75 | 2.62 | 1.00 | 1.875 | .875  | .50  | 10.5       | .38 | .860  | MKM 502       | M10 x 40 | 214 | 1.1 |
|                |              | 6102-12-08BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 3/4            | 3/4          | 6101-12-12BM10  | 1.75 | 2.62 | 1.00 | 1.875 | .875  | .75  | 10.5       | .50 | 1.070 | MKM 502       | M10 x 40 | 214 | 1.0 |
|                |              | 6102-12-12BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1              | 3/4          | 6101-16-12BM10  | 2.00 | 2.82 | 1.00 | 2.062 | 1.031 | .75  | 10.5       | .50 | 1.070 | MKM 503       | M10 x 40 | 219 | 1.3 |
|                |              | 6102-16-12BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1              | 1            | 6101-16-16BM10  | 2.00 | 2.82 | 1.00 | 2.062 | 1.031 | 1.00 | 10.5       | .50 | 1.335 | MKM 503       | M10 x 40 | 219 | 1.2 |
|                |              | 6102-16-16BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1            | 6101-20-16BM10† | 2.50 | 3.19 | 1.00 | 2.312 | 1.188 | 1.00 | 10.5       | .50 | 1.335 | MKM 3524      | M10 x 40 | 222 | 1.6 |
|                |              | 6102-20-16BM10† |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1 1/4        | 6101-20-20BM10† | 2.50 | 3.19 | 1.00 | 2.312 | 1.188 | 1.25 | 10.5       | .50 | 1.680 | MKM 3524      | M10 x 40 | 222 | 1.5 |
|                |              | 6102-20-20BM10† |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1 1/2        | -----           | 3.00 | 3.19 | 2.50 | 2.312 | 1.188 | 1.25 | ---        | .50 | 1.920 | -----         | -----    | --- | 5.4 |
|                |              | 6102-20-24BM10† |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1 1/2          | 1 1/4        | 6101-24-20BM12‡ | 2.75 | 3.75 | 1.25 | 2.750 | 1.406 | 1.25 | 13.0       | .50 | 1.680 | MKM 3596      | M12 x 50 | 225 | 2.8 |
|                |              | 6102-24-20BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1 1/2          | 1 1/2        | 6101-24-24BM12‡ | 2.75 | 3.75 | 1.25 | 2.750 | 1.406 | 1.50 | 13.0       | .50 | 1.920 | MKM 3596      | M12 x 50 | 225 | 2.5 |
|                |              | 6102-24-24BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1 1/2          | 2            | -----           | 3.50 | 3.75 | 2.25 | 2.750 | 1.406 | 1.50 | ---        | .50 | 2.411 | -----         | -----    | --- | 3.2 |
|                |              | 6102-24-32BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |

MATERIAL:  
304L Stainless

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

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



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## SAE J518 62 SERIES / ISO6162-2 PATTERN

| FLANGE<br>SIZE | PIPE<br>SIZE | PART<br>NUMBER  | A    | B    | C    | D     | E     | F    | Gmm<br>Jmm | H   | K     | MOUNTING KIT® |          |     | WT  |
|----------------|--------------|-----------------|------|------|------|-------|-------|------|------------|-----|-------|---------------|----------|-----|-----|
|                |              |                 |      |      |      |       |       |      | PART NO.   |     |       | SCREW SIZE    | O-RING   |     |     |
| 1/2            | 1/2          | 6103-08-08BM8   | 1.75 | 2.22 | 1.00 | 1.594 | .718  | .50  | 8.5        | .50 | .860  | MKM 512       | M8 x 35  | 210 | .8  |
|                |              | 6104-08-08BM8   |      |      |      |       |       |      | M8x1.25    |     |       | -----         | -----    | --- |     |
| 3/4            | 1/2          | 6103-12-08BM10  | 2.00 | 2.81 | 1.00 | 2.000 | .937  | .50  | 10.5       | .50 | .860  | MKM 502       | M10 x 40 | 214 | 1.4 |
|                |              | 6104-12-08BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 3/4            | 3/4          | 6103-12-12BM10  | 2.00 | 2.81 | 1.00 | 2.000 | .937  | .75  | 10.5       | .50 | 1.070 | MKM 502       | M10 x 40 | 214 | 1.3 |
|                |              | 6104-12-12BM10  |      |      |      |       |       |      | M10x1.5    |     |       | -----         | -----    | --- |     |
| 1              | 3/4          | 6103-16-12BM12  | 2.25 | 3.19 | 1.00 | 2.250 | 1.093 | .75  | 12.5       | .50 | 1.070 | MKM 513       | M12 x 45 | 219 | 1.7 |
|                |              | 6104-16-12BM12  |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1              | 1            | 6103-16-16BM12  | 2.25 | 3.19 | 1.00 | 2.250 | 1.093 | 1.00 | 12.5       | .50 | 1.335 | MKM 513       | M12 x 45 | 219 | 1.5 |
|                |              | 6104-16-16BM12  |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1            | 6103-20-16BM12‡ | 2.75 | 3.75 | 1.25 | 2.625 | 1.250 | 1.00 | 13.0       | .50 | 1.335 | MKM 1502      | M12 x 50 | 222 | 2.9 |
|                |              | 6104-20-16BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1 1/4        | 6103-20-20BM12‡ | 2.75 | 3.75 | 1.25 | 2.625 | 1.250 | 1.25 | 13.0       | .50 | 1.680 | MKM 1502      | M12 x 50 | 222 | 2.7 |
|                |              | 6104-20-20BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |
| 1 1/4          | 1 1/2        | -----           | 3.00 | 3.75 | 2.00 | 2.625 | 1.250 | 1.25 | ---        | .50 | 1.920 | -----         | -----    | --- | 5.1 |
|                |              | 6104-20-24BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----         | -----    | --- |     |

① Order Separately

NOTE: DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. † Also Available for M12 Bolts ‡ Also Available for M14 Bolts

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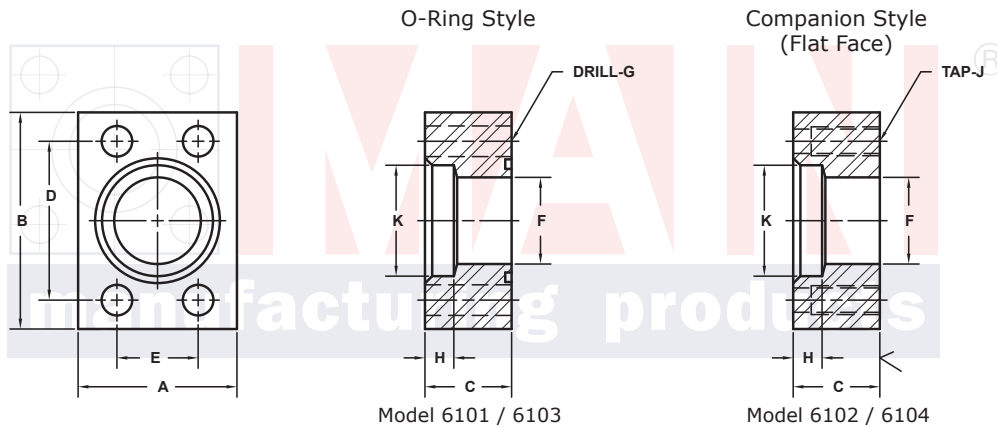
# SOCKET WELD PIPE IN-LINE FLANGES (Pg 2/2)

| SAE J518 61 SERIES / ISO6162-1 PATTERN |              |                 |      |      |      |       |       |      |            |     |       |                           |          |     |      |
|----------------------------------------|--------------|-----------------|------|------|------|-------|-------|------|------------|-----|-------|---------------------------|----------|-----|------|
| FLANGE<br>SIZE                         | PIPE<br>SIZE | PART<br>NUMBER  | A    | B    | C    | D     | E     | F    | Gmm<br>Jmm | H   | K     | MOUNTING KIT <sup>①</sup> |          |     | WT   |
|                                        |              |                 |      |      |      |       |       |      | PART NO.   |     |       | SCREW SIZE                | O-RING   |     |      |
| 2                                      | 1¼           | 6101-32-20BM12† | 3.25 | 4.00 | 1.50 | 3.062 | 1.688 | 1.25 | 13.0       | .50 | 1.680 | MKM 3501                  | M12 x 55 | 228 | 4.5  |
|                                        |              | 6102-32-20BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----                     | -----    | --- |      |
| 2                                      | 1½           | 6101-32-24BM12† | 3.25 | 4.00 | 1.50 | 3.062 | 1.688 | 1.50 | 13.0       | .50 | 1.920 | MKM 3501                  | M12 x 55 | 228 | 4.3  |
|                                        |              | 6102-32-24BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----                     | -----    | --- |      |
| 2                                      | 2            | 6101-32-32BM12† | 3.25 | 4.00 | 1.50 | 3.062 | 1.688 | 1.94 | 13.0       | .62 | 2.411 | MKM 3501                  | M12 x 55 | 228 | 3.6  |
|                                        |              | 6102-32-32BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----                     | -----    | --- |      |
| 2½ <sup>②</sup>                        | 2            | 6101-40-32BM12† | 4.00 | 4.50 | 1.75 | 3.500 | 2.000 | 1.94 | 13.0       | .62 | 2.411 | MKM 4511                  | M12 x 60 | 232 | 6.8  |
|                                        |              | 6102-40-32BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----                     | -----    | --- |      |
| 2½ <sup>②</sup>                        | 2½           | 6101-40-40BM12† | 4.00 | 4.50 | 1.75 | 3.500 | 2.000 | 2.44 | 13.0       | .75 | 2.911 | MKM 4511                  | M12 x 60 | 232 | 5.7  |
|                                        |              | 6102-40-40BM12‡ |      |      |      |       |       |      | M12x1.75   |     |       | -----                     | -----    | --- |      |
| 3 <sup>③</sup>                         | 2½           | 6101-48-40BM16  | 4.50 | 5.31 | 2.00 | 4.188 | 2.438 | 2.44 | 17.0       | .75 | 2.911 | MKM 508                   | M16 x 75 | 237 | 9.7  |
|                                        |              | 6102-48-40BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |
| 3 <sup>③</sup>                         | 3            | 6101-48-48BM16  | 4.50 | 5.31 | 2.00 | 4.188 | 2.438 | 2.94 | 17.0       | .75 | 3.540 | MKM 508                   | M16 x 75 | 237 | 8.3  |
|                                        |              | 6102-48-48BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |
| 3½ <sup>④</sup>                        | 3            | 6101-56-48BM16  | 5.00 | 6.00 | 1.50 | 4.750 | 2.750 | 2.94 | 17.0       | .75 | 3.540 | MKM 509                   | M16 x 65 | 241 | 8.5  |
|                                        |              | 6102-56-48BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |
| 3½ <sup>④</sup>                        | 3½           | 6101-56-56BM16  | 5.00 | 6.00 | 1.50 | 4.750 | 2.750 | 3.44 | 17.0       | .75 | 4.045 | MKM 509                   | M16 x 65 | 241 | 7.5  |
|                                        |              | 6102-56-56BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |
| 4 <sup>④</sup>                         | 4            | 6101-64-64BM16  | 5.50 | 6.38 | 1.50 | 5.125 | 3.062 | 3.94 | 17.0       | .75 | 4.550 | MKM 510                   | M16 x 60 | 245 | 8.3  |
|                                        |              | 6102-64-64BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |
| 5 <sup>④</sup>                         | 5            | 6101-80-80BM16  | 7.00 | 7.25 | 2.00 | 6.000 | 3.625 | 4.94 | 17.0       | .75 | 5.635 | MKM 511                   | M16 x 75 | 253 | 16.0 |
|                                        |              | 6102-80-80BM16  |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----    | --- |      |

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

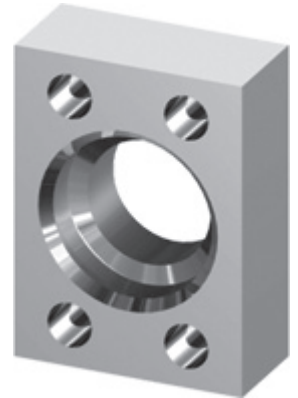
Please note that using stainless steel bolts may reduce the pressure rating of the assembly.

MATERIAL:  
304L Stainless



Model 6101 / 6103

Model 6102 / 6104



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| SAE J518 62 SERIES / ISO6162-2 PATTERN |              |                |      |      |      |       |       |      |            |     |       |                           |           |     |      |
|----------------------------------------|--------------|----------------|------|------|------|-------|-------|------|------------|-----|-------|---------------------------|-----------|-----|------|
| FLANGE<br>SIZE                         | PIPE<br>SIZE | PART<br>NUMBER | A    | B    | C    | D     | E     | F    | Gmm<br>Jmm | H   | K     | MOUNTING KIT <sup>①</sup> |           |     | WT   |
|                                        |              |                |      |      |      |       |       |      | PART NO.   |     |       | SCREW SIZE                | O-RING    |     |      |
| 1½                                     | 1¼           | 6103-24-20BM16 | 3.25 | 4.50 | 1.50 | 3.125 | 1.437 | 1.25 | 17.0       | .50 | 1.680 | MKM 515                   | M16 x 60  | 225 | 5.1  |
|                                        |              | 6104-24-20BM16 |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----     | --- |      |
| 1½                                     | 1½           | 6103-24-24BM16 | 3.25 | 4.50 | 1.50 | 3.125 | 1.437 | 1.50 | 17.0       | .50 | 1.920 | MKM 515                   | M16 x 60  | 225 | 4.8  |
|                                        |              | 6104-24-24BM16 |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----     | --- |      |
| 1½                                     | 2            | -----          | 4.00 | 4.50 | 3.00 | 3.125 | 1.437 | 1.50 | ---        | .62 | 2.411 | -----                     | -----     | --- | 12.6 |
|                                        |              | 6104-24-32BM16 |      |      |      |       |       |      | M16x2      |     |       | -----                     | -----     | --- |      |
| 2                                      | 1½           | 6103-32-24BM20 | 4.00 | 5.25 | 1.75 | 3.812 | 1.750 | 1.50 | 21.0       | .50 | 1.920 | MKM 516                   | M20 x 70  | 228 | 8.5  |
|                                        |              | 6104-32-24BM20 |      |      |      |       |       |      | M20x2.5    |     |       | -----                     | -----     | --- |      |
| 2                                      | 2            | 6103-32-32BM20 | 4.00 | 5.25 | 1.75 | 3.812 | 1.750 | 1.94 | 21.0       | .62 | 2.411 | MKM 516                   | M20 x 70  | 228 | 7.8  |
|                                        |              | 6104-32-32BM20 |      |      |      |       |       |      | M20x2.5    |     |       | -----                     | -----     | --- |      |
| 2½                                     | 2            | 6103-40-32BM24 | 5.00 | 6.88 | 2.00 | 4.875 | 2.312 | 1.94 | 25.5       | .62 | 2.411 | MKM 517                   | M24 x 80  | 232 | 15.7 |
|                                        |              | 6104-40-32BM24 |      |      |      |       |       |      | M24x3      |     |       | -----                     | -----     | --- |      |
| 2½                                     | 2½           | 6103-40-40BM24 | 5.00 | 6.88 | 2.00 | 4.875 | 2.312 | 2.44 | 25.5       | .62 | 2.911 | MKM 517                   | M24 x 80  | 232 | 15.2 |
|                                        |              | 6104-40-40BM24 |      |      |      |       |       |      | M24x3      |     |       | -----                     | -----     | --- |      |
| 3                                      | 3            | 6103-48-48BM30 | 6.00 | 8.50 | 2.50 | 6.000 | 2.812 | 2.94 | 32.0       | .62 | 3.540 | MKM 518                   | M30 x 110 | 237 | 28.0 |
|                                        |              | 6104-48-48BM30 |      |      |      |       |       |      | M30x3.5    |     |       | -----                     | -----     | --- |      |

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 Bolts ‡ Also Available for M14 Bolts

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