

Developers and Manufacturers of Hydraulic Flanges & Components

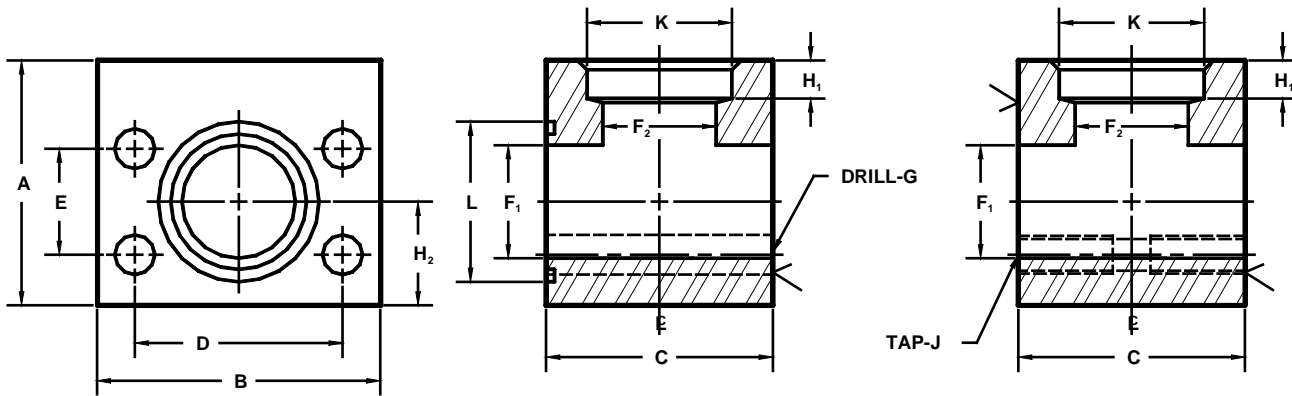
## SOCKET WELD RUN TEE PIPE FLANGES

SAE BOLT PATTERN

62 SERIES

O-Ring Style

Companion Style  
(Flat Face)



Model 1191

Model 1192

| FLANGE SIZE | PIPE SIZE | PART NUMBER | A    | B    | C    | D     | E     | F <sub>1</sub> | F <sub>2</sub> | G   | H <sub>1</sub> | H <sub>2</sub> | J       | K     | L     | O-RING <sup>①</sup> |
|-------------|-----------|-------------|------|------|------|-------|-------|----------------|----------------|-----|----------------|----------------|---------|-------|-------|---------------------|
| 1/2         | 1/2       | 1191-08-08  | 2.00 | 2.22 | 1.46 | 1.594 | .718  | .50            | .50            | .34 | .38            | .88            | ----    | .860  | 1.000 | 210                 |
|             |           | 1192-08-08  |      |      |      |       |       |                |                | --- |                |                | 5/16-18 |       |       | ---                 |
| 1/2         | 3/4       | 1191-08-12  | 2.00 | 2.22 | 1.75 | 1.594 | .718  | .50            | .50            | .34 | .50            | .88            | ----    | 1.070 | 1.000 | 210                 |
|             |           | 1192-08-12  |      |      |      |       |       |                |                | --- |                |                | 5/16-18 |       |       | ---                 |
| 3/4         | 1/2       | 1191-12-08  | 2.25 | 2.81 | 1.70 | 2.000 | .937  | .75            | .50            | .41 | .38            | 1.00           | ----    | .860  | 1.250 | 214                 |
|             |           | 1192-12-08  |      |      |      |       |       |                |                | --- |                |                | 3/8-16  |       |       | ---                 |
| 3/4         | 3/4       | 1191-12-12  | 2.25 | 2.81 | 1.70 | 2.000 | .937  | .75            | .75            | .41 | .50            | 1.00           | ----    | 1.070 | 1.250 | 214                 |
|             |           | 1192-12-12  |      |      |      |       |       |                |                | --- |                |                | 3/8-16  |       |       | ---                 |
| 3/4         | 1         | 1191-12-16  | 2.25 | 2.81 | 2.25 | 2.000 | .937  | .75            | .75            | .41 | .50            | 1.00           | ----    | 1.335 | 1.250 | 214                 |
|             |           | 1192-12-16  |      |      |      |       |       |                |                | --- |                |                | 3/8-16  |       |       | ---                 |
| 1           | 1/2       | 1191-16-08  | 2.50 | 3.19 | 2.21 | 2.250 | 1.093 | 1.00           | .50            | .47 | .38            | 1.12           | ----    | .860  | 1.562 | 219                 |
|             |           | 1192-16-08  |      |      |      |       |       |                |                | --- |                |                | 7/16-14 |       |       | ---                 |
| 1           | 3/4       | 1191-16-12  | 2.50 | 3.19 | 2.21 | 2.250 | 1.093 | 1.00           | .75            | .47 | .50            | 1.12           | ----    | 1.070 | 1.562 | 219                 |
|             |           | 1192-16-12  |      |      |      |       |       |                |                | --- |                |                | 7/16-14 |       |       | ---                 |
| 1           | 1         | 1191-16-16  | 2.50 | 3.19 | 2.21 | 2.250 | 1.093 | 1.00           | 1.00           | .47 | .50            | 1.12           | ----    | 1.335 | 1.562 | 219                 |
|             |           | 1192-16-16  |      |      |      |       |       |                |                | --- |                |                | 7/16-14 |       |       | ---                 |
| 1           | 1 1/4     | 1191-16-20  | 2.50 | 3.19 | 2.50 | 2.250 | 1.093 | 1.00           | 1.00           | .47 | .50            | 1.12           | ----    | 1.680 | 1.562 | 219                 |
|             |           | 1192-16-20  |      |      |      |       |       |                |                | --- |                |                | 7/16-14 |       |       | ---                 |
| 1 1/4       | 1/2       | 1191-20-08  | 3.00 | 3.75 | 2.44 | 2.625 | 1.250 | 1.25           | .50            | .53 | .38            | 1.38           | ----    | .860  | 1.750 | 222                 |
|             |           | 1192-20-08  |      |      |      |       |       |                |                | --- |                |                | 1/2-13  |       |       | ---                 |
| 1 1/4       | 3/4       | 1191-20-12  | 3.00 | 3.75 | 2.44 | 2.625 | 1.250 | 1.25           | .75            | .53 | .50            | 1.38           | ----    | 1.070 | 1.750 | 222                 |
|             |           | 1192-20-12  |      |      |      |       |       |                |                | --- |                |                | 1/2-13  |       |       | ---                 |
| 1 1/4       | 1         | 1191-20-16  | 3.00 | 3.75 | 2.44 | 2.625 | 1.250 | 1.25           | 1.00           | .53 | .50            | 1.38           | ----    | 1.335 | 1.750 | 222                 |
|             |           | 1192-20-16  |      |      |      |       |       |                |                | --- |                |                | 1/2-13  |       |       | ---                 |
| 1 1/4       | 1 1/4     | 1191-20-20  | 3.00 | 3.75 | 2.44 | 2.625 | 1.250 | 1.25           | 1.25           | .53 | .50            | 1.38           | ----    | 1.680 | 1.750 | 222                 |
|             |           | 1192-20-20  |      |      |      |       |       |                |                | --- |                |                | 1/2-13  |       |       | ---                 |
| 1 1/4       | 1 1/2     | 1191-20-24  | 3.00 | 3.75 | 3.00 | 2.625 | 1.250 | 1.25           | 1.25           | .53 | .50            | 1.38           | ----    | 1.920 | 1.750 | 222                 |
|             |           | 1192-20-24  |      |      |      |       |       |                |                | --- |                |                | 1/2-13  |       |       | ---                 |

① Included

MATERIAL : STEEL  
1/07

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Hydraulic Flanges & Components

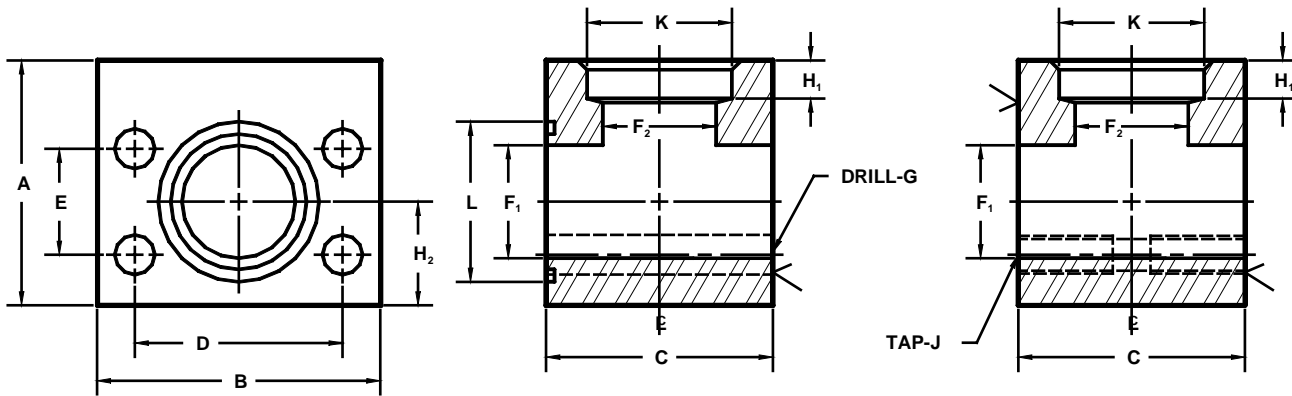
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O-Ring Style

Companion Style  
(Flat Face)



Model 1191

Model 1192

| FLANGE SIZE     | PIPE SIZE | PART NUMBER | A    | B    | C    | D     | E     | F <sub>1</sub> | F <sub>2</sub> | G       | H <sub>1</sub> | H <sub>2</sub> | J     | K     | L     | O-RING <sup>①</sup> |
|-----------------|-----------|-------------|------|------|------|-------|-------|----------------|----------------|---------|----------------|----------------|-------|-------|-------|---------------------|
| 1½              | ¾         | 1191-24-12  | 3.50 | 4.50 | 2.96 | 3.125 | 1.437 | 1.50           | .75            | .66     | .50            | 1.62           | ----- | 1.070 | 2.125 | 225                 |
|                 |           | ---         |      |      |      |       |       |                |                | 5/8-11  |                |                | ---   |       |       |                     |
| 1½              | 1         | 1191-24-16  | 3.50 | 4.50 | 2.96 | 3.125 | 1.437 | 1.50           | 1.00           | .66     | .50            | 1.62           | ----- | 1.335 | 2.125 | 225                 |
|                 |           | ---         |      |      |      |       |       |                |                | 5/8-11  |                |                | ---   |       |       |                     |
| 1½              | 1¼        | 1191-24-20  | 3.50 | 4.50 | 2.96 | 3.125 | 1.437 | 1.50           | 1.25           | .66     | .50            | 1.62           | ----- | 1.680 | 2.125 | 225                 |
|                 |           | ---         |      |      |      |       |       |                |                | 5/8-11  |                |                | ---   |       |       |                     |
| 1½              | 1½        | 1191-24-24  | 3.50 | 4.50 | 2.96 | 3.125 | 1.437 | 1.50           | 1.50           | .66     | .50            | 1.62           | ----- | 1.920 | 2.125 | 225                 |
|                 |           | ---         |      |      |      |       |       |                |                | 5/8-11  |                |                | ---   |       |       |                     |
| 1½              | 2         | 1191-24-32  | 3.50 | 4.50 | 3.50 | 3.125 | 1.437 | 1.50           | 1.50           | .66     | .50            | 1.62           | ----- | 2.411 | 2.125 | 225                 |
|                 |           | ---         |      |      |      |       |       |                |                | 5/8-11  |                |                | ---   |       |       |                     |
| 2               | 1¼        | 1191-32-20  | 4.00 | 5.25 | 3.46 | 3.812 | 1.750 | 1.94           | 1.25           | .78     | .50            | 2.00           | ----- | 1.680 | 2.500 | 228                 |
|                 |           | ---         |      |      |      |       |       |                |                | 3/4-10  |                |                | ---   |       |       |                     |
| 2               | 1½        | 1191-32-24  | 4.00 | 5.25 | 3.46 | 3.812 | 1.750 | 1.94           | 1.50           | .78     | .50            | 2.00           | ----- | 1.920 | 2.500 | 228                 |
|                 |           | ---         |      |      |      |       |       |                |                | 3/4-10  |                |                | ---   |       |       |                     |
| 2               | 2         | 1191-32-32  | 4.00 | 5.25 | 3.46 | 3.812 | 1.750 | 1.94           | 1.94           | .78     | .50            | 2.00           | ----- | 2.411 | 2.500 | 228                 |
|                 |           | ---         |      |      |      |       |       |                |                | 3/4-10  |                |                | ---   |       |       |                     |
| 2               | 2½        | 1191-32-40  | 4.00 | 5.25 | 4.00 | 3.812 | 1.750 | 1.94           | 1.94           | .78     | .50            | 2.00           | ----- | 2.911 | 2.500 | 228                 |
|                 |           | ---         |      |      |      |       |       |                |                | 3/4-10  |                |                | ---   |       |       |                     |
| 2½ <sup>②</sup> | 2         | 1191-40-32  | 5.50 | 6.88 | 4.50 | 4.875 | 2.312 | 2.44           | 1.94           | .94     | .62            | 2.50           | ----- | 2.411 | 3.000 | 232                 |
|                 |           | ---         |      |      |      |       |       |                |                | 7/8-9   |                |                | ---   |       |       |                     |
| 2½ <sup>②</sup> | 2½        | 1191-40-40  | 5.50 | 6.88 | 4.50 | 4.875 | 2.312 | 2.44           | 2.44           | .94     | .62            | 2.50           | ----- | 2.911 | 3.000 | 232                 |
|                 |           | ---         |      |      |      |       |       |                |                | 7/8-9   |                |                | ---   |       |       |                     |
| 2½ <sup>②</sup> | 3         | 1191-40-48  | 5.50 | 6.88 | 5.00 | 4.875 | 2.312 | 2.44           | 2.44           | .94     | .62            | 2.50           | ----- | 3.540 | 3.000 | 232                 |
|                 |           | ---         |      |      |      |       |       |                |                | 7/8-9   |                |                | ---   |       |       |                     |
| 3 <sup>②</sup>  | 2½        | 1191-48-40  | 6.00 | 8.50 | 5.00 | 6.000 | 2.812 | 2.94           | 2.44           | 1.19    | .62            | 3.00           | ----- | 2.911 | 3.625 | 237                 |
|                 |           | ---         |      |      |      |       |       |                |                | 1 1/8-7 |                |                | ---   |       |       |                     |
| 3 <sup>②</sup>  | 3         | 1191-48-48  | 6.00 | 8.50 | 5.00 | 6.000 | 2.812 | 2.94           | 2.94           | 1.19    | .62            | 3.00           | ----- | 3.540 | 3.625 | 237                 |
|                 |           | ---         |      |      |      |       |       |                |                | 1 1/8-7 |                |                | ---   |       |       |                     |

① Included    ② Not included in SAE J518 specifications

MATERIAL : STEEL  
1/07