



# GROOVED COUPLINGS



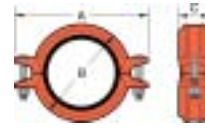
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For fire protection services request submittal GRS 1.3

The C-4 rigid coupling is designed for rigid piping applications. Cast in place teeth bite into the pipe/fitting shoulder to firmly restrict movement.



| C-4 RIGID COUPLING    |                           |                                      |                        |                               |                             |           |                     |              |            |                               |
|-----------------------|---------------------------|--------------------------------------|------------------------|-------------------------------|-----------------------------|-----------|---------------------|--------------|------------|-------------------------------|
| NOMINAL SIZE IN. (mm) | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./* (kPa) | MAX. END LOAD Lbs. (N) | ALLOW. PIPE END SEP. IN. (mm) | NUTS/BOLTS (INCH) QTY. SIZE |           | DIMENSIONS -Inch/mm |              |            | APPROX. WEIGHT EACH Lbs. (Kg) |
|                       |                           |                                      |                        |                               |                             |           | A                   | B            | C          |                               |
| 1 1/4<br>32           | 1.660<br>42.2             | 300<br>2065                          | 1623<br>7219           | 0 - 0.06<br>0-1.5             | 2                           | 3/8x2     | 4.20<br>107         | 2.55<br>65   | 1.70<br>43 | 1.48<br>0.7                   |
| 1 1/2<br>40           | 1.900<br>48.3             | 300<br>2065                          | 2126<br>9456           | 0 - 0.06<br>0-1.5             | 2                           | 3/8x2     | 4.44<br>113         | 2.81<br>71   | 1.70<br>43 | 1.66<br>0.8                   |
| 2<br>50               | 2.375<br>60.3             | 300<br>2065                          | 3323<br>14781          | 0 - 0.06<br>0-1.5             | 2                           | 3/8x2 1/4 | 4.88<br>124         | 3.28<br>83   | 1.76<br>45 | 1.85<br>0.8                   |
| 2 1/2<br>65           | 2.875<br>73.0             | 300<br>2065                          | 4869<br>21657          | 0 - 0.06<br>0-1.5             | 2                           | 3/8x2 1/2 | 5.53<br>140         | 3.78<br>96   | 1.76<br>45 | 2.11<br>1.0                   |
| 3 O.D.<br>76.1        | 3.000<br>76.1             | 300<br>2065                          | 5301<br>23579          | 0 - 0.06<br>0-1.5             | 2                           | 3/8x2 1/2 | 5.93<br>151         | 4.00<br>102  | 1.76<br>45 | 2.21<br>1.0                   |
| 3<br>80               | 3.500<br>88.9             | 300<br>2065                          | 7216<br>32097          | 0 - 0.12<br>0-3.2             | 2                           | 3/8x2 1/2 | 6.38<br>162         | 4.40<br>112  | 1.76<br>45 | 2.41<br>1.1                   |
| 4<br>100              | 4.500<br>114.3            | 300<br>2065                          | 11928<br>53056         | 0 - 0.12<br>0-3.2             | 2                           | 3/8x2 1/2 | 7.68<br>195         | 5.59<br>142  | 1.98<br>50 | 3.17<br>1.4                   |
| 5<br>125              | 5.563<br>141.3            | 300<br>2065                          | 17014<br>75678         | 0 - 0.12<br>0-3.2             | 2                           | 1/2x3     | 9.06<br>230         | 6.93<br>176  | 2.06<br>52 | 4.50<br>2.0                   |
| 6<br>150              | 6.625<br>168.3            | 300<br>2065                          | 24130<br>107330        | 0 - 0.12<br>0-3.2             | 2                           | 1/2x3     | 10.75<br>273        | 7.87<br>200  | 1.98<br>50 | 5.84<br>2.6                   |
| 6.5 O.D.<br>165.1     | 6.500<br>165.1            | 300<br>2065                          | 23228<br>103318        | 0 - 0.12<br>0-3.2             | 2                           | 1/2x3     | 10.25<br>260        | 7.99<br>203  | 2.06<br>52 | 5.82<br>2.6                   |
| 8<br>200              | 8.625<br>219.1            | 300<br>2065                          | 35056<br>155929        | 0 - 0.12<br>0-3.2             | 2                           | 5/8x3 1/2 | 13.44<br>341        | 10.21<br>13  | 2.22<br>56 | 10.82<br>4.9                  |
| 10<br>250             | 10.750<br>273.1           | 300<br>2065                          | 45381<br>201855        | 0 - 0.12<br>0-3.2             | 2                           | 7/8x5     | 16.70<br>424        | 12.88<br>327 | 2.62<br>67 | 21.50<br>9.8                  |
| 12<br>300             | 12.750<br>323.9           | 300<br>2065                          | 51071<br>227164        | 0 - 0.12<br>0-3.2             | 2                           | 7/8x5 1/2 | 18.50<br>470        | 14.89<br>378 | 2.62<br>67 | 27.36<br>12.4                 |

- Working pressure and/or end load are total allowable, based on standard weight steel pipe, roll or cut grooved.
- One time field test pressure may be increased to 1.5 times the figures listed above.
- Working pressures on other pipe schedules may be found on page 54.

\* Contact Star Pipe Products for actual listings on specific pipes

The C-3 coupling is a flexible light weight style which is ideal for fire protection services and other services where low pressure and ambient temperature conditions are expected.



| C-3 LW FLEXIBLE COUPLING |                           |                                      |                        |                               |                             |           |                   |                     |                     |              |            |                               |
|--------------------------|---------------------------|--------------------------------------|------------------------|-------------------------------|-----------------------------|-----------|-------------------|---------------------|---------------------|--------------|------------|-------------------------------|
| NOMINAL SIZE IN. (mm)    | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./* (kPa) | MAX. END LOAD Lbs. (N) | ALLOW. PIPE END SEP. IN. (mm) | NUTS/BOLTS (INCH) QTY. SIZE |           | DEFLECTION        |                     | DIMENSIONS -Inch/mm |              |            | APPROX. WEIGHT EACH Lbs. (Kg) |
|                          |                           |                                      |                        |                               |                             |           | DEG. PER COUPLING | PIPE IN./FT. (mm/m) | A                   | B            | C          |                               |
| 1 1/4<br>32              | 1.660<br>42.2             | 300<br>2065                          | 649<br>2887            | 0 - 0.13<br>0-3.2             | 2                           | 3/8x2     | 4° - 19'          | 0.90<br>75          | 3.82<br>97          | 2.53<br>64   | 1.65<br>42 | 1.16<br>0.5                   |
| 1 1/2<br>40              | 1.900<br>48.3             | 300<br>2065                          | 851<br>3785            | 0 - 0.13<br>0-3.2             | 2                           | 3/8x2     | 3° - 46'          | 0.79<br>66          | 4.06<br>103         | 2.78<br>71   | 1.65<br>42 | 1.16<br>0.5                   |
| 2<br>50                  | 2.375<br>60.3             | 300<br>2065                          | 1329<br>5911           | 0 - 0.13<br>0-3.2             | 2                           | 3/8x2 1/4 | 3° - 01'          | 0.63<br>53          | 4.78<br>121         | 3.25<br>83   | 1.71<br>43 | 1.59<br>0.7                   |
| 2 1/2<br>65              | 2.875<br>73.0             | 300<br>2065                          | 1948<br>8665           | 0 - 0.13<br>0-3.2             | 2                           | 3/8x2 1/4 | 2° - 29'          | 0.52<br>43          | 5.29<br>134         | 3.75<br>95   | 1.71<br>43 | 1.82<br>0.8                   |
| 3<br>80                  | 3.500<br>88.9             | 300<br>2065                          | 2886<br>12837          | 0 - 0.13<br>0-3.2             | 2                           | 3/8x2 1/2 | 2° - 03'          | 0.43<br>36          | 5.94<br>151         | 4.39<br>112  | 1.71<br>43 | 2.23<br>1.0                   |
| 4<br>100                 | 4.500<br>114.3            | 300<br>2065                          | 4771<br>21221          | 0 - 0.25<br>0-6.4             | 2                           | 1/2x2 3/4 | 3° - 11'          | 0.67<br>56          | 7.68<br>195         | 5.81<br>148  | 2.06<br>52 | 4.42<br>2.0                   |
| 6<br>150                 | 6.625<br>168.3            | 300<br>2065                          | 10342<br>46001         | 0 - 0.25<br>0-6.4             | 2                           | 5/8x3 1/4 | 2° - 10'          | 0.45<br>38          | 10.75<br>273        | 8.09<br>205  | 2.06<br>52 | 7.00<br>3.2                   |
| 8<br>200                 | 8.625<br>219.1            | 300<br>2065                          | 17528<br>77965         | 0 - 0.25<br>0-6.4             | 2                           | 3/4x4 1/4 | 1° - 40'          | 0.35<br>29          | 13.44<br>341        | 10.43<br>265 | 2.06<br>52 | 13.00<br>5.9                  |

\* Contact Star Pipe Products for actual listings on specific pipes



# GROOVED COUPLINGS



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For fire protection services request submittal GRS 1.3

The model C-1 is our standard coupling designed for a broad range of piping applications. It is a flexible style which provides allowance for controlled pipe movement caused by thermal changes, settling or seismic action as well as dampen noise and vibration.

| C-1 FLEXIBLE COUPLING |                           |                                  |                        |                               |                               |                   |                     |                     |              |            |                               |  |
|-----------------------|---------------------------|----------------------------------|------------------------|-------------------------------|-------------------------------|-------------------|---------------------|---------------------|--------------|------------|-------------------------------|--|
| NOMINAL SIZE IN. (mm) | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./MPa | MAX. END LOAD Lbs. (N) | ALLOW. PIPE END SEP. IN. (mm) | NUTS / BOLTS (INCH) SIZE QTY. | DEFLECTION        |                     | DIMENSIONS -Inch/mm |              |            | APPROX. WEIGHT EACH Lbs. (kg) |  |
|                       |                           |                                  |                        |                               |                               | DEG. PER COUPLING | PIPE IN./FT. (mm/m) | A                   | B            | C          |                               |  |
| 1 1/4<br>32           | 1.660<br>42.2             | 300<br>2065                      | 2164<br>9625           | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 4B -19'           | 0.90<br>75          | 4.20<br>107         | 2.75<br>70   | 1.78<br>45 | 1.40<br>0.6                   |  |
| 1 1/2<br>40           | 1.900<br>48.3             | 300<br>2065                      | 2835<br>12610          | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 3B - 46'          | 0.79<br>66          | 4.44<br>113         | 3.03<br>77   | 1.78<br>45 | 1.48<br>0.7                   |  |
| 2<br>50               | 2.375<br>60.3             | 300<br>2065                      | 4430<br>19705          | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 3B -01'           | 0.63<br>53          | 4.88<br>124         | 3.46<br>88   | 1.84<br>47 | 2.00<br>0.9                   |  |
| 2 1/2<br>65           | 2.875<br>73.0             | 300<br>2065                      | 6492<br>28876          | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 2B -29'           | 0.52<br>43          | 5.53<br>140         | 4.12<br>105  | 1.85<br>47 | 2.25<br>1.0                   |  |
| 3 O.D.<br>76.1        | 3.000<br>76.1             | 300<br>2065                      | 7069<br>31443          | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 2B -29'           | 0.50<br>41          | 5.50<br>140         | 4.00<br>102  | 1.84<br>47 | 2.25<br>1.0                   |  |
| 3<br>80               | 3.500<br>89.2             | 300<br>2065                      | 9621<br>42794          | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 3/4                   | 2B -03'           | 0.43<br>35          | 6.38<br>163         | 4.62<br>117  | 1.84<br>47 | 2.70<br>1.2                   |  |
| 4<br>100              | 4.500<br>114.3            | 300<br>2065                      | 11928<br>53056         | 0 - 0.25<br>0 - 6.4           | 2 1/2x2 3/4                   | 3B -11'           | 0.67<br>56          | 7.68<br>195         | 5.81<br>148  | 2.06<br>52 | 4.42<br>2.0                   |  |
| 5<br>125              | 5.563<br>141.3            | 300<br>2065                      | 17014<br>75678         | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 2B -35'           | 0.54<br>45          | 9.68<br>246         | 7.12<br>181  | 2.06<br>52 | 6.26<br>2.8                   |  |
| 6<br>150              | 6.625<br>168.3            | 300<br>2065                      | 24130<br>107330        | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 2B -10'           | 0.45<br>38          | 10.75<br>273        | 8.09<br>205  | 2.06<br>52 | 7.00<br>3.2                   |  |
| 6.5 O.D.<br>165.1     | 6.500<br>165.1            | 300<br>2065                      | 23228<br>103318        | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 2B -10'           | 0.46<br>38          | 10.50<br>267        | 8.00<br>203  | 2.06<br>52 | 7.00<br>3.2                   |  |
| 8<br>200              | 8.625<br>219.1            | 300<br>2065                      | 35056<br>155929        | 0 - 0.25<br>0 - 6.4           | 2 3/4x4 1/4                   | 1B -40'           | 0.35<br>29          | 13.44<br>341        | 10.43<br>265 | 2.38<br>60 | 13.00<br>5.9                  |  |
| 10<br>250             | 10.750<br>273.1           | 300<br>2065                      | 45381<br>201855        | 0 - 0.25<br>0 - 6.4           | 2 7/8x5 1/2                   | 1B -20'           | 0.28<br>23          | 16.00<br>406        | 13.25<br>337 | 2.59<br>66 | 23.00<br>10.4                 |  |
| 12<br>300             | 12.750<br>323.9           | 300<br>2065                      | 51071<br>227164        | 0 - 0.25<br>0 - 6.4           | 2 7/8x5 1/2                   | 1B -07'           | 0.23<br>19          | 18.50<br>470        | 15.38<br>391 | 2.59<br>66 | 28.39<br>12.9                 |  |



- Working pressure and/or end load are total allowable, based on standard weight steel pipe, roll or cut grooved.
  - One time field test pressure may be increased to 1.5 times the figures listed above.
  - Working pressures on other pipe schedules may be found on page 54.
- \* Contact Star Pipe Products for actual listings on specific pipes

Model C-7 couplings are available in sizes 3/4 - 24 and are ideal for applications within industrial and commercial construction, power plants, mining, process piping and hydraulic elevator piping. It is a flexible style which provides allowance for controlled pipe movement caused by thermal changes, settling or seismic action as well as dampen noise and vibration.

## DIMENSIONS - WEIGHTS

| C-7 FLEXIBLE COUPLING |                           |                                  |                        |                               |                               |                   |                     |                     |              |            |                               |  |
|-----------------------|---------------------------|----------------------------------|------------------------|-------------------------------|-------------------------------|-------------------|---------------------|---------------------|--------------|------------|-------------------------------|--|
| NOMINAL SIZE IN. (mm) | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./MPa | MAX. END LOAD Lbs. (N) | ALLOW. PIPE END SEP. IN. (mm) | NUTS / BOLTS (INCH) SIZE QTY. | DEFLECTION        |                     | DIMENSIONS -Inch/mm |              |            | APPROX. WEIGHT EACH Lbs. (kg) |  |
|                       |                           |                                  |                        |                               |                               | DEG. PER COUPLING | PIPE IN./FT. (mm/m) | A                   | B            | C          |                               |  |
| 3/4<br>20             | 1.050<br>26.7             | 500<br>3450                      | 865<br>3847            | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 6B - 46'          | 1.42<br>118         | 3.63<br>92          | 2.13<br>54   | 1.75<br>44 | 1.3<br>0.6                    |  |
| 1<br>25               | 1.315<br>33.4             | 500<br>3450                      | 1358<br>6040           | 0 - 0.13<br>0 - 3.2           | 2 3/8x2                       | 5B - 26'          | 1.14<br>95          | 3.88<br>99          | 2.38<br>60   | 1.75<br>44 | 1.4<br>0.6                    |  |
| 1 1/4<br>32           | 1.660<br>42.2             | 500<br>3450                      | 2164<br>9625           | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 1/2                   | 4B - 19'          | 0.90<br>75          | 4.63<br>118         | 2.63<br>67   | 1.75<br>44 | 2.1<br>0.9                    |  |
| 1 1/2<br>40           | 1.900<br>48.3             | 500<br>3450                      | 2835<br>12610          | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 1/2                   | 3B - 46'          | 0.79<br>66          | 5.00<br>127         | 3.00<br>76   | 1.75<br>44 | 2.3<br>1.0                    |  |
| 2<br>50               | 2.375<br>60.3             | 500<br>3450                      | 4430<br>19705          | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 1/2                   | 3B - 01'          | 0.63<br>53          | 5.63<br>143         | 3.63<br>92   | 1.75<br>44 | 2.7<br>1.2                    |  |
| 2 1/2<br>65           | 2.875<br>73.0             | 500<br>3450                      | 6492<br>28876          | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 3/4                   | 2B - 29'          | 0.52<br>43          | 6.25<br>159         | 4.25<br>108  | 1.75<br>44 | 3.8<br>1.7                    |  |
| 3<br>80               | 3.500<br>89.2             | 500<br>3450                      | 9621<br>42794          | 0 - 0.13<br>0 - 3.2           | 2 1/2x2 3/4                   | 2B - 03'          | 0.43<br>36          | 7.00<br>178         | 5.00<br>127  | 1.75<br>44 | 4.2<br>1.9                    |  |
| 4<br>100              | 4.500<br>114.3            | 500<br>3450                      | 15904<br>70740         | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 3B - 11'          | 0.67<br>56          | 8.50<br>216         | 6.38<br>162  | 2.00<br>51 | 7.0<br>3.2                    |  |
| 5<br>125              | 5.563<br>141.3            | 500<br>3450                      | 24305<br>108108        | 0 - 0.25<br>0 - 6.4           | 2 3/4x4 1/4                   | 2B - 35'          | 0.54<br>45          | 10.25<br>261        | 7.63<br>194  | 2.00<br>51 | 11.5<br>5.2                   |  |
| 6<br>150              | 6.625<br>168.3            | 500<br>3450                      | 34471<br>153927        | 0 - 0.25<br>0 - 6.4           | 2 3/4x4 1/4                   | 2B - 10'          | 0.45<br>39          | 11.50<br>293        | 9.00<br>229  | 2.00<br>51 | 13.5<br>6.1                   |  |
| 8<br>200              | 8.625<br>219.1            | 500<br>3450                      | 46741<br>207903        | 0 - 0.25<br>0 - 6.4           | 2 7/8x5                       | 1B - 40'          | 0.35<br>29          | 14.50<br>368        | 11.38<br>289 | 2.38<br>60 | 23.0<br>10.4                  |  |
| 10<br>250             | 10.750<br>273.1           | 500<br>3450                      | 72610<br>322958        | 0 - 0.25<br>0 - 6.4           | 2 1x6                         | 1B - 20'          | 0.28<br>23          | 16.75<br>425        | 13.50<br>343 | 2.50<br>64 | 31.0<br>14.1                  |  |
| 12<br>300             | 12.750<br>323.9           | 500<br>3450                      | 102141<br>454322       | 0 - 0.25<br>0 - 6.4           | 2 1x6 1/2                     | 1B - 07'          | 0.23<br>19          | 19.00<br>483        | 15.50<br>394 | 2.50<br>64 | 35.0<br>15.9                  |  |



- Working pressure and/or end load are total allowable, based on standard weight steel pipe, roll or cut grooved.
  - One time field test pressure may be increased to 1.5 times the figures listed above.
  - Working pressures on other pipe schedules may be found on page 54.
- \* Contact Star Pipe Products for actual listings on specific pipes



# GROOVED COUPLINGS



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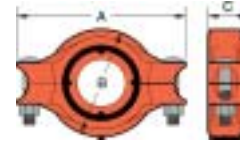


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For fire protection services request submittal GRS 1.3



The RC-1 reducing coupling allows connecting two different pipe sizes on the same run. This coupling replaces a reducer and two couplings.

## RC-1 REDUCING COUPLING

| NOMINAL SIZE IN. (mm) | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./ * (kPa) | MAX. END LOAD Lbs. (N) | ALLOW. PIPE END SEP. IN. (mm) | NUTS / BOLTS (INCH) QTY. SIZE | DEFLECTION           |                     | DIMENSIONS -Inch/mm |              |            | APPROX. WEIGHT EACH Lbs. (Kg) |
|-----------------------|---------------------------|---------------------------------------|------------------------|-------------------------------|-------------------------------|----------------------|---------------------|---------------------|--------------|------------|-------------------------------|
|                       |                           |                                       |                        |                               |                               | DEG. PER COUPLING    | PIPE IN./FT. (mm/m) | A                   | B            | C          |                               |
| 2x1 1/2<br>50x40      | 2.38/1.66<br>60.3/48.3    | 300<br>2065                           | 1551<br>6899           | 0 - 0.14<br>0 - 3.2           | 2 3/8x2                       | 1 <sub>i</sub> - 53' | 0.40<br>33          | 4.88<br>124         | 3.30<br>84   | 1.85<br>47 | 2.05<br>2.8                   |
| 2 1/2x2<br>65x50      | 2.88/2.38<br>70.3/60.3    | 300<br>2065                           | 2272<br>10106          | 0 - 0.14<br>0 - 3.2           | 2 3/8x2                       | 1 <sub>i</sub> - 33' | 0.32<br>27          | 5.75<br>146         | 4.04<br>103  | 1.85<br>47 | 2.84<br>1.3                   |
| 3x2<br>80x50          | 3.50/2.38<br>88.9/60.3    | 300<br>2065                           | 3367<br>14976          | 0 - 0.14<br>0 - 3.2           | 2 1/2x2 3/4                   | 1 <sub>i</sub> - 17' | 0.26<br>22          | 6.42<br>163         | 4.54<br>115  | 1.85<br>47 | 3.65<br>1.7                   |
| 3x2 1/2<br>80x65      | 3.50/2.88<br>88.9/73.0    | 300<br>2065                           | 3367<br>14976          | 0 - 0.14<br>0 - 3.2           | 2 1/2x2 3/4                   | 1 <sub>i</sub> - 17' | 0.26<br>22          | 6.42<br>163         | 4.54<br>115  | 1.85<br>47 | 4.26<br>1.9                   |
| 4x2<br>100x50         | 4.50/2.38<br>114.3/60.3   | 300<br>2065                           | 5567<br>24762          | 0 - 0.25<br>0 - 6.4           | 2 1/2x2 3/4                   | 2 <sub>i</sub> - 38' | 0.55<br>46          | 7.82<br>199         | 5.75<br>146  | 2.00<br>51 | 5.36<br>2.4                   |
| 4x2 1/2<br>100x65     | 4.50/2.88<br>114.3/73.3   | 300<br>2065                           | 5567<br>24762          | 0 - 0.25<br>0 - 6.4           | 2 1/2x2 3/4                   | 2 <sub>i</sub> - 38' | 0.55<br>46          | 7.82<br>199         | 5.75<br>146  | 2.00<br>51 | 5.42<br>2.5                   |
| 4x3<br>100x80         | 4.50/3.50<br>114.3/88.9   | 300<br>2065                           | 5567<br>24762          | 0 - 0.25<br>0 - 6.4           | 2 1/2x2 3/4                   | 2 <sub>i</sub> - 38' | 0.55<br>46          | 7.82<br>199         | 5.75<br>146  | 2.00<br>51 | 5.62<br>2.5                   |
| 5x4<br>125x100        | 5.56/4.50<br>141.2/114.3  | 300<br>2065                           | 8498<br>37799          | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 2 <sub>i</sub> - 05' | 0.44<br>37          | 9.56<br>243         | 6.80<br>173  | 2.14<br>54 | 6.50<br>2.9                   |
| 6x4<br>150x100        | 6.63/4.50<br>168.3/114.3  | 300<br>2065                           | 12065<br>53665         | 0 - 0.25<br>0 - 6.4           | 2 5/8x3 1/4                   | 1 <sub>i</sub> - 44' | 0.36<br>30          | 10.88<br>276        | 8.00<br>203  | 2.06<br>52 | 6.94<br>3.1                   |
| 8x6<br>200x150        | 8.63/6.63<br>219.1/168.3  | 300<br>2065                           | 20449<br>90957         | 0 - 0.25<br>0 - 6.4           | 2 7/8x5                       | 1 <sub>i</sub> - 15' | 0.26<br>22          | 13.51<br>343        | 10.31<br>262 | 2.37<br>60 | 19.54<br>8.9                  |

- Working pressure and/or end load are total allowable, based on standard weight steel pipe, roll or cut grooved.
- One time field test pressure may be increased to 1.5 times the figures listed above.
- Working pressures on other pipe schedules may be found on page 54.

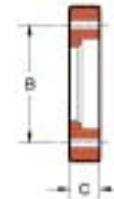
\* Contact Star Pipe Products for actual listings on specific pipes



LISTED



APPROVED



The SF-1 Flange enables class 125/150 flange end components to be connected directly into a grooved end piping system. A special gasket provides a permanent seal between the pipe and the mating flange. Integral closing tabs on the O.D. of the flange facilitate assembly.

## SF-1 GROOVED FLANGE ADAPTER

| NOMINAL SIZE IN. (mm) | ACTUAL PIPE SIZE IN. (mm) | UL or FM MAX. WORKING P.S.I./ * (kPa) | MAX. END LOAD Lbs. (N) | FLANGE NUTS / BOLTS (INCH) QTY. SIZE | DIMENSIONS -Inch/mm |              |            |                |                | APPROX. WEIGHT EACH Lbs. (Kg) |
|-----------------------|---------------------------|---------------------------------------|------------------------|--------------------------------------|---------------------|--------------|------------|----------------|----------------|-------------------------------|
|                       |                           |                                       |                        |                                      | A                   | B            | C          | MAX BORE D     | MIN SURFACE E  |                               |
| 2<br>50               | 2.375<br>60.3             | 300<br>2065                           | 1329<br>5911           | 4 5/8x2 3/4                          | 6.00<br>152         | 4.75<br>121  | 0.75<br>19 | 2.375<br>60.3  | 3.270<br>83.1  | 3.20<br>1.5                   |
| 2 1/2<br>65           | 2.875<br>73.0             | 300<br>2065                           | 1948<br>8665           | 4 5/8x3                              | 7.00<br>178         | 5.50<br>140  | 0.88<br>22 | 2.875<br>73.0  | 3.770<br>95.8  | 4.60<br>2.1                   |
| 3<br>80               | 3.500<br>88.9             | 300<br>2065                           | 2886<br>12837          | 4 5/8x3                              | 7.50<br>191         | 6.00<br>152  | 0.94<br>24 | 3.500<br>88.9  | 4.395<br>111.6 | 5.70<br>2.6                   |
| 4<br>100              | 4.500<br>114.3            | 300<br>2065                           | 4771<br>21221          | 8 5/8x3                              | 9.00<br>229         | 7.50<br>191  | 0.95<br>24 | 4.500<br>114.3 | 5.395<br>137.0 | 7.90<br>3.6                   |
| 6<br>150              | 6.625<br>168.3            | 300<br>2065                           | 10342<br>46001         | 8 3/4x3 1/2                          | 11.00<br>279        | 9.50<br>241  | 1.00<br>25 | 6.625<br>168.3 | 7.520<br>191.0 | 10.00<br>4.5                  |
| 8<br>200              | 8.625<br>219.1            | 300<br>2065                           | 17528<br>77965         | 8 3/4x3 1/2                          | 13.50<br>343        | 11.75<br>298 | 1.13<br>29 | 8.625<br>219.1 | 9.875<br>250.8 | 15.70<br>7.1                  |

Note: The effective sealing area of the mating flange must be free from gouges or deformities of any type to ensure proper sealing of the gasket.

- Working pressure and/or end load are total allowable, based on standard weight steel pipe, roll or cut grooved.
- One time field test pressure may be increased to 1.5 times the figures listed above.
- Working pressures on other pipe schedules may be found on page 54.
- Required flange bolts to be supplied by installer.
- See F-1, page 9, for additional technical information.

\* Contact Star Pipe Products for actual listings on specific pipes