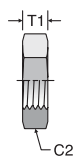


## WLN

Bulkhead Locknut

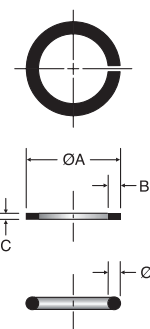
SAE 080118 and 070118  
HPD Base # 53-XN



| TUBE<br>FITTING<br>PART # | TUBE O.D.<br>(in.) | C2<br>HEX<br>(in.) | T1<br>(in.) | Material |     |    |
|---------------------------|--------------------|--------------------|-------------|----------|-----|----|
|                           |                    |                    |             | -S       | -SS | -B |
| 3 WLN                     | 3/16               | 5/8                | 0.22        | •        | •   | •  |
| 4 WLN                     | 1/4                | 11/16              | 0.28        | •        | •   | •  |
| 5 WLN                     | 5/16               | 3/4                | 0.28        | •        | •   | •  |
| 6 WLN                     | 3/8                | 13/16              | 0.27        | •        | •   | •  |
| 8 WLN                     | 1/2                | 1                  | 0.31        | •        | •   | •  |
| 10 WLN                    | 5/8                | 1 1/8              | 0.36        | •        | •   | •  |
| 12 WLN                    | 3/4                | 1 3/8              | 0.41        | •        | •   | •  |
| 14 WLN                    | 7/8                | 1 1/2              | 0.41        | •        | •   | •  |
| 16 WLN                    | 1                  | 1 5/8              | 0.41        | •        | •   | •  |
| 20 WLN                    | 1 1/4              | 1 7/8              | 0.41        | •        | •   | •  |
| 24 WLN                    | 1 1/2              | 2 1/8              | 0.41        | •        | •   | •  |
| 32 WLN                    | 2                  | 2 3/4              | 0.41        | •        | •   | •  |

## SBR

Braze Ring



| TUBE<br>FITTING<br>PART # | TUBE<br>O.D.<br>(in.) | A<br>DIA.<br>(in.) | B<br>(in.) | C<br>(in.) | E<br>(in.) | Material |     |    |
|---------------------------|-----------------------|--------------------|------------|------------|------------|----------|-----|----|
|                           |                       |                    |            |            |            | -S       | -SS | -B |
| 4 SBR                     | 1/4                   | 0.260              | —          | —          | 0.05       | •        | •   | •  |
| 6 SBR                     | 3/8                   | 0.390              | 0.07       | 0.03       | —          | •        | •   | •  |
| 8 SBR                     | 1/2                   | 0.515              | 0.07       | 0.03       | —          | •        | •   | •  |
| 10 SBR                    | 5/8                   | 0.640              | 0.07       | 0.03       | —          | •        | •   | •  |
| 12 SBR                    | 3/4                   | 0.765              | 0.08       | 0.04       | —          | •        | •   | •  |
| 14 SBR                    | 7/8                   | 0.890              | —          | —          | 0.06       | •        | •   | •  |
| 16 SBR                    | 1                     | 1.015              | 0.08       | 0.04       | —          | •        | •   | •  |
| 20 SBR                    | 1 1/4                 | 1.265              | 0.08       | 0.04       | —          | •        | •   | •  |
| 24 SBR                    | 1 1/2                 | 1.515              | 0.08       | 0.04       | —          | •        | •   | •  |
| 32 SBR                    | 2                     | 2.015              | —          | —          | 0.09       | •        | •   | •  |

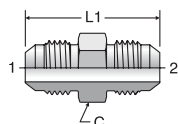


## HTX

Union

37° Flare / 37° Flare

SAE 070101  
HPD Base # 0303



| TUBE<br>FITTING<br>PART # | END SIZE   |            | C<br>HEX<br>(in.) | L1<br>(in.) | Dynamic<br>Pressure<br>(x 1,000 PSI) |       |       |
|---------------------------|------------|------------|-------------------|-------------|--------------------------------------|-------|-------|
|                           | 1<br>(in.) | 2<br>(in.) |                   |             | -S                                   | -SS   | -B    |
|                           | (in.)      | (in.)      |                   |             | (in.)                                | (in.) | (in.) |
| 2 HTX                     | 1/8        | 1/8        | 7/16              | 1.17        | 7.5                                  | 9.0   | 3.3   |
| 3 HTX                     | 3/16       | 3/16       | 7/16              | 1.23        | 7.5                                  | 9.0   | 3.3   |
| 4 HTX                     | 1/4        | 1/4        | 1/2               | 1.37        | 7.5                                  | 9.0   | 3.3   |
| 4-2 HTX                   | 1/4        | 1/8        | 1/2               | 1.27        | 7.5                                  | 9.0   | 3.3   |
| 4-3 HTX                   | 1/4        | 3/16       | 1/2               | 1.30        | 7.5                                  | 9.0   | 3.3   |
| 5 HTX                     | 5/16       | 5/16       | 9/16              | 1.37        | 6.0                                  | 7.2   | 3.3   |
| 5-4 HTX                   | 5/16       | 1/4        | 9/16              | 1.38        | 6.0                                  | 7.2   | 3.3   |
| 6 HTX                     | 3/8        | 3/8        | 5/8               | 1.41        | 6.0                                  | 7.2   | 3.3   |
| 6-4 HTX                   | 3/8        | 1/4        | 5/8               | 1.41        | 6.0                                  | 7.2   | 3.3   |
| 6-5 HTX                   | 3/8        | 5/16       | 5/8               | 1.41        | 6.0                                  | 7.2   | 3.3   |
| 8 HTX                     | 1/2        | 1/2        | 13/16             | 1.62        | 6.0                                  | 7.2   | 3.3   |
| 8-4 HTX                   | 1/2        | 1/4        | 13/16             | 1.52        | 6.0                                  | 7.2   | 3.3   |
| 8-6 HTX                   | 1/2        | 3/8        | 13/16             | 1.52        | 6.0                                  | 7.2   | 3.3   |
| 10 HTX                    | 5/8        | 5/8        | 15/16             | 1.88        | 5.0                                  | 6.0   | 3.3   |
| 10-8 HTX                  | 5/8        | 1/2        | 15/16             | 1.78        | 5.0                                  | 6.0   | 3.3   |
| 12 HTX                    | 3/4        | 3/4        | 1 1/8             | 2.16        | 5.0                                  | 6.0   | 3.3   |
| 12-8 HTX                  | 3/4        | 1/2        | 1 1/8             | 1.95        | 5.0                                  | 6.0   | 3.3   |
| 12-10 HTX                 | 3/4        | 5/8        | 1 1/8             | 2.05        | 5.0                                  | 6.0   | 3.3   |
| 14 HTX                    | 7/8        | 7/8        | 1 1/4             | 2.22        | 5.0                                  | 6.0   | 2.6   |
| 16 HTX                    | 1          | 1          | 1 3/8             | 2.25        | 4.0                                  | 4.8   | 2.6   |
| 16-12 HTX                 | 1          | 3/4        | 1 3/8             | 2.20        | 4.0                                  | 4.8   | 2.6   |
| 20 HTX                    | 1 1/4      | 1 1/4      | 1 11/16           | 2.43        | 4.0                                  | 4.8   | 2.6   |
| 24 HTX                    | 1 1/2      | 1 1/2      | 2                 | 2.75        | 3.0                                  | 3.6   | 2.0   |
| 24-10 HTX                 | 1 1/2      | 5/8        | 2                 | 2.42        | 3.0                                  | 3.6   | 2.0   |
| 24-12 HTX                 | 1 1/2      | 3/4        | 2                 | 2.53        | 3.0                                  | 3.6   | 2.0   |
| 24-16 HTX                 | 1 1/2      | 1          | 2                 | 2.58        | 3.0                                  | 3.6   | 2.0   |
| 32 HTX                    | 2          | 2          | 2 5/8             | 3.40        | 2.0                                  | 2.4   | 1.3   |
| 32-24 HTX                 | 2          | 1 1/2      | 2 5/8             | 2.81        | 2.0                                  | 2.4   | 1.3   |

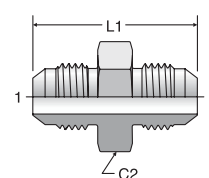
• Contact TFD

## LHTX

Large Hex Union

37° Flare / 37° Flare

SAE 070119  
HPD Base # 03L3



| TUBE<br>FITTING<br>PART # | END SIZE   |            | C2<br>HEX<br>(in.) | L1<br>(in.) | Dynamic<br>Pressure<br>(x 1,000 PSI) |       |       |
|---------------------------|------------|------------|--------------------|-------------|--------------------------------------|-------|-------|
|                           | 1<br>(in.) | 2<br>(in.) |                    |             | -S                                   | -SS   | -B    |
|                           | (in.)      | (in.)      |                    |             | (in.)                                | (in.) | (in.) |
| 4 LHTX                    | 1/4        | 1/4        | 11/16              | 1.38        | 7.5                                  | 9.0   | 3.3   |
| 4-3 LHTX                  | 1/4        | 3/16       | 11/16              | 1.30        | 7.5                                  | 9.0   | 3.3   |
| 5 LHTX                    | 5/16       | 5/16       | 3/4                | 1.37        | 6.0                                  | 7.2   | 3.3   |
| 6 LHTX                    | 3/8        | 3/8        | 13/16              | 1.41        | 6.0                                  | 7.2   | 3.3   |
| 6-4 LHTX                  | 3/8        | 1/4        | 13/16              | 1.41        | 6.0                                  | 7.2   | 3.3   |
| 8 LHTX                    | 1/2        | 1/2        | 1                  | 1.62        | 6.0                                  | 7.2   | 3.3   |
| 8-4 LHTX                  | 1/2        | 1/4        | 1                  | 1.52        | 6.0                                  | 7.2   | 3.3   |
| 8-6 LHTX                  | 1/2        | 3/8        | 1                  | 1.52        | 6.0                                  | 7.2   | 3.3   |
| 10 LHTX                   | 5/8        | 5/8        | 1 1/8              | 1.88        | 5.0                                  | 6.0   | 3.3   |
| 12 LHTX                   | 3/4        | 3/4        | 1 3/8              | 2.16        | 5.0                                  | 6.0   | 3.3   |
| 12-8 LHTX                 | 3/4        | 1/2        | 1 3/8              | 1.95        | 5.0                                  | 6.0   | 3.3   |
| 16 LHTX                   | 1          | 1          | 1 5/8              | 2.25        | 4.0                                  | 4.8   | 2.6   |
| 32 LHTX                   | 2          | 2          | 2 3/4              | 3.40        | 2.0                                  | 2.4   | 1.3   |

Dimensions and pressures for reference only, subject to change.