

# OMEGA ONE FITTINGS

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## Technical Information Assembly Torque

Upper limits of torque ranges are recommended for stainless steel fittings. Values shown are for lubricated assemblies. Stainless steel assemblies on threads and contact surfaces require lubrication for best performance.

### 37° Flared & Flareless Adjustable Fittings



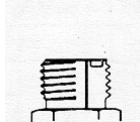
| Fitting Size | SAE Port Thread Size | Assembly Torque in. lbs. | FFFT       |
|--------------|----------------------|--------------------------|------------|
| 2            | 5/16 - 24            | 60 +- 5                  | 1.0 +- .25 |
| 3            | 3/8 - 24             | 130 +- 10                | 1.0 +- .25 |
| 4            | 7/16 - 20            | 200 +- 10                | 1.5 +- .25 |
| 5            | 1/2 - 20             | 280 +- 15                | 1.0 +- .25 |
| 6            | 9/16 - 18            | 350 +- 20                | 1.5 +- .25 |
| 8            | 3/4 - 16             | 640 +- 25                | 1.5 +- .25 |
| 10           | 7/8 - 14             | 720 +- 30                | 1.5 +- .25 |
| 12           | 1 1/16 - 12          | 960 +- 50                | 1.5 +- .25 |
| 14           | 1 3/16 - 12          | 1750 +- 75               | 1.5 +- .25 |
| 16           | 1 5/16 - 12          | 1920 +- 75               | 1.5 +- .25 |
| 20           | 1 5/8 - 12           | 2700 +- 150              | 2.0 +- .25 |
| 24           | 1 7/8 - 12           | 3000 +- 150              | 2.0 +- .25 |
| 32           | 2 1/2 - 12           | 3900 +- 200              | 2.0 +- .25 |

### 37° Flared & Flareless Non-Adjustable Straight Fittings



| Fitting Size | SAE Port Thread Size | Assembly Torque in. lbs. | FFFT       |
|--------------|----------------------|--------------------------|------------|
| 2            | 5/16 - 24            | 90 +- 5                  | 1.0 +- .25 |
| 3            | 3/8 - 24             | 170 +- 10                | 1.0 +- .25 |
| 4            | 7/16 - 20            | 220 +- 15                | 1.0 +- .25 |
| 5            | 1/2 - 20             | 280 +- 15                | 1.0 +- .25 |
| 6            | 9/16 - 18            | 320 +- 20                | 1.5 +- .25 |
| 8            | 3/4 - 16             | 570 +- 25                | 1.5 +- .25 |
| 10           | 7/8 - 14             | 1060 +- 50               | 1.5 +- .25 |
| 12           | 1 1/16 - 12          | 1300 +- 50               | 1.5 +- .25 |
| 14           | 1 3/16 - 12          | 1750 +- 75               | 1.5 +- .25 |
| 16           | 1 5/16 - 12          | 1920 +- 25               | 1.5 +- .25 |
| 20           | 1 5/8 - 12           | 2700 +- 150              | 1.5 +- .25 |
| 24           | 1 7/8 - 12           | 3000 +- 150              | 1.5 +- .25 |
| 32           | 2 1/2 - 12           | 3900 +- 200              | 1.5 +- .25 |

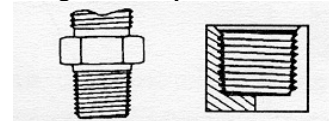
### O-Ring Face Seal Straight & Adjustable Fittings



| Fitting Size | SAE Port Thread Size | Assembly Torque in. lbs. | FFFT       |
|--------------|----------------------|--------------------------|------------|
| 4            | 7/16 - 20            | 220 +- 10                | 1.5 +- .25 |
| 6            | 9/16 - 18            | 420 +- 15                | 1.5 +- .25 |
| 8            | 3/4 - 16             | 720 +- 25                | 1.5 +- .25 |
| 10           | 7/8 - 14             | 1250 +- 50               | 1.5 +- .25 |
| 12           | 1 1/16 - 12          | 1680 +- 75               | 1.5 +- .25 |
| 16           | 1 5/16 - 12          | 2700 +- 100              | 1.5 +- .25 |
| 20           | 1 5/8 - 12           | 3200 +- 150              | 2.0 +- .25 |
| 24           | 1 7/8 - 12           | 3800 +- 150              | 2.0 +- .25 |

### Fittings With Pipe Thread Ends

Male  
NPTF  
Port End



Female  
NPTF  
Port

| Fitting Size | Pipe Thread Size NPTF | TFFT      |
|--------------|-----------------------|-----------|
| 2            | 1/8 - 27              | 2.0 - 2.5 |
| 3            | 1/8 - 27              | 2.0 - 2.5 |
| 4            | 1/8 - 27              | 2.0 - 2.5 |
| 5            | 1/8 - 27              | 2.0 - 2.5 |
| 6            | 1/4 - 18              | 1.5 - 2.0 |
| 8            | 3/8 - 18              | 2.0 - 2.5 |
| 10           | 1/2 - 14              | 2.0 - 2.5 |
| 12           | 3/4 - 14              | 1.5 - 2.0 |
| 14           | 3/4 - 14              | 1.5 - 2.0 |
| 16           | 1 - 11 1/2            | 1.5 - 2.0 |
| 20           | 1 1/4 - 11 1/2        | 1.5 - 2.0 |
| 24           | 1 1/2 - 11 1/2        | 1.5 - 2.0 |
| 32           | 2 - 11 1/2            | 1.5 - 2.0 |