

# Metric ISO 6149 Adapter Specifications

These types of fittings are similar in design to the SAE O-ring Boss fittings but with a metric thread.

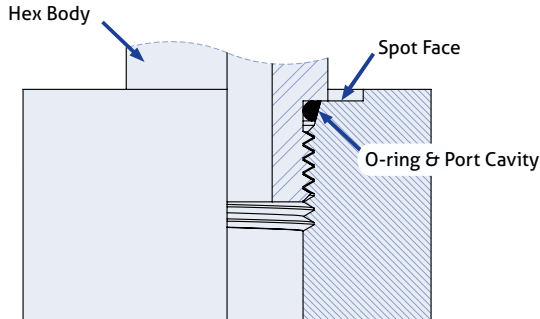


Figure 23: Straight ISO 6149

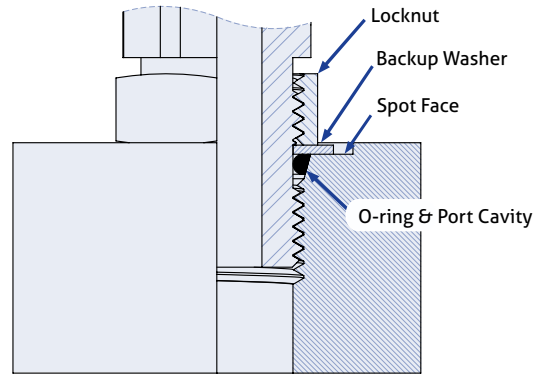


Figure 24: Adjustable ISO 6149

**NOTE: THE RATINGS OF THE ISO 6149 FITTING ARE DIFFERENT THAN ITS COUNTERPART SAE O-RING BOSS.**

The following table lists the specifications for Metric ISO 6149 adapters.

| Metric ISO 6149 Specifications |           |          |                             |                  |                |                             |                  |                |
|--------------------------------|-----------|----------|-----------------------------|------------------|----------------|-----------------------------|------------------|----------------|
| Dash Size                      | Tube Size | Thread   | Light Duty                  |                  |                | Heavy Duty                  |                  |                |
|                                |           |          | Torque                      | Working Pressure |                | Torque                      | Working Pressure |                |
|                                |           |          | Adjustable & Non-Adjustable | Adjustable       | Non-Adjustable | Adjustable & Non-Adjustable | Adjustable       | Non-Adjustable |
|                                |           |          | (ft-lbs) +25% -0%           | (psi)            | (psi)          | (ft-lbs) +25% -0%           | (psi)            | (psi)          |
| 08                             | 4         | 8 x 1.0  | 6                           | 4500             | 5800           | 7                           | -                | -              |
| 10                             | 5         | 10 x 1.0 | 11                          | 4500             | 5800           | 15                          | 5800             | 9100           |
| 12                             | 6         | 12 x 1.5 | 18                          | 4500             | 5800           | 26                          | 5800             | 9100           |
| 14                             | 8         | 14 x 1.5 | 26                          | 4500             | 5800           | 33                          | 5800             | 9100           |
| 16                             | 10        | 16 x 1.5 | 30                          | 3600             | 4500           | 40                          | 5800             | 9100           |
| 18                             | 12        | 18 x 1.5 | 33                          | 3600             | 4500           | 52                          | 5800             | 9100           |
| 22                             | 16        | 22 x 1.5 | 44                          | 3600             | 4500           | 74                          | 5800             | 9100           |
| 27                             | 20        | 27 x 2.0 | 75                          | 2300             | 2900           | 125                         | 5800             | 5800           |
| 30                             | 22        | 30 x 2.0 | 95                          | 2300             | 2900           | 158                         | 5800             | 5800           |
| 33                             | 25        | 33 x 2.0 | 120                         | 2300             | 2900           | 228                         | 5800             | 5800           |
| 42                             | 30        | 42 x 2.0 | 155                         | 2300             | 2900           | 243                         | 4500             | 3600           |
| 48                             | 38        | 48 x 2.0 | 190                         | 2300             | 2900           | 310                         | 2900             | 3600           |
| 60                             | 50        | 60 x 2.0 | 230                         | 1450             | 2300           | 369                         | 2300             | 3600           |

\* = Light Duty per SAE J2244/3

\*\* = Heavy Duty per SAE J2244/2

Torque values are for wet torque only and are allowed up to 25% the listed value according to SAE J2593 recommendations. Reduce torque values for softer material components.

Table 14: Metric ISO 6149 Specifications