



Technical Information

Identifying the Difference Between 39% and 30% Transmission/Oil Cooler Line Flares for Use with Quick Connectors and Retainer Clips

Affected Tubing Size: 1/2" and 5/8" Fluid Lines with Tube Endform Flares



1/2" and 5/8" Tube Endform Flares 39% vs 30%

Most 1/2" and 5/8" 39% quick connectors were discontinued after the 2003 model year. 30% quick connectors are the norm for late-model vehicles.

Tube Endform Flare Identification:

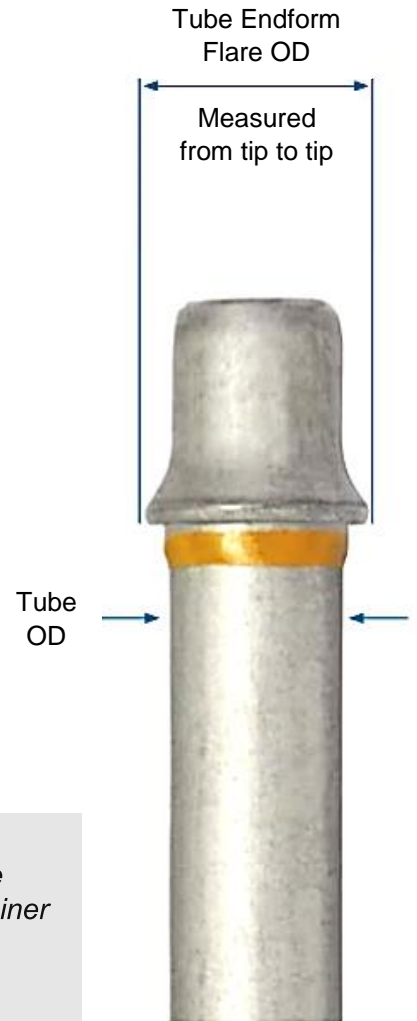
To determine whether the tube endform flare OD is 39% or 30%, compare the outer diameter of the tube (tube OD as pictured) to the outer most diameter of the tube's flare (tube endform flare OD as pictured).

With a 39% tube flare, the original tube diameter is increased by a factor of 1.39 as measured at the tips of the flare diameter.

With a 30% tube flare, the original tube diameter is increased by a factor of 1.30 as measured at the tips of the flare diameter.

Examples: (using 5/8" tubing = 0.625" tube OD)

- $\frac{0.869 \text{ (Tube Endform Flare OD)}}{0.625 \text{ (Tube OD)}} = 1.39$ (39% larger than the tube OD)
- $\frac{0.813 \text{ (Tube Endform Flare OD)}}{0.625 \text{ (Tube OD)}} = 1.30$ (30% larger than the tube OD)



Always ensure to use the correct quick connector retainer clip with the corresponding quick connector. For your convenience, our catalog and website both identify 1/2" and 5/8" transmission/oil cooler line quick connectors and retainer clips as either 39% or 30%.

PART#

4247-30 (1/2" x 30% - blue in color)

4247-39 (1/2" x 39% - gray in color)

4248-30 (5/8" x 30% - white in color)

4248-39 (5/8" x 39% - blue in color)

