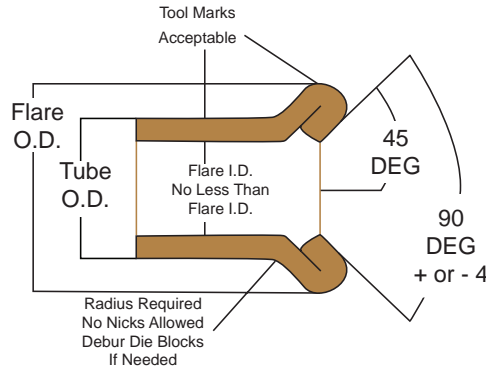


Flare Identification Chart

Double/SAE 45 Degree Flare

Tube O.D.	Flare O.D. + or - .007
3/16"	.272"
1/4"	.352"
5/16"	.418"
3/8"	.493"
1/2"	.632"



Check that the flare is the correct profile for the components involved

Automotive fittings are always a 45 deg. double or DIN flare

Never use a single 45 degree flare with automotive nuts and fittings

A 37 degree single flare is acceptable for use in AN/JIC nuts and fittings with Cunifer seamless tubing

Common Crossthreads

Always check carefully for diameter and thread pitch

The 3/8 x 24 UNF American nut will thread very easily and loosely into a 10mm x 1.0 thread fitting but will hopefully strip the threads when you tighten it down

You can start the 10mm x 1.0 thread nut in a 3/8 x 24 UNF thread fitting but it will immediately begin stripping the threads

3/8 x 24 UNF American nut with SAE/ double flare

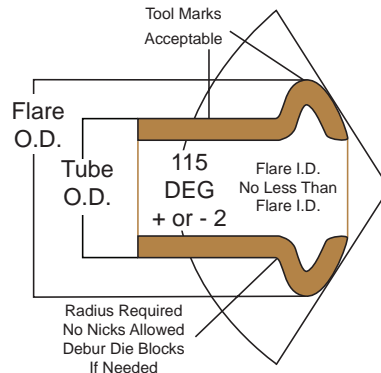


10mm x 1.0 Asian nut with SAE/ double Flare



DIN/ISO Bubble Flare

Tube O.D.	Flare O.D. + or - .18mm
4.75mm	7.1mm
6mm	8.4mm
8mm	10.7mm
10mm	12.7mm
12mm	14.7mm



Note the non-threaded lead portion on the nuts below

3/8 x 24 UNF British Girling nut with old style bubble flare

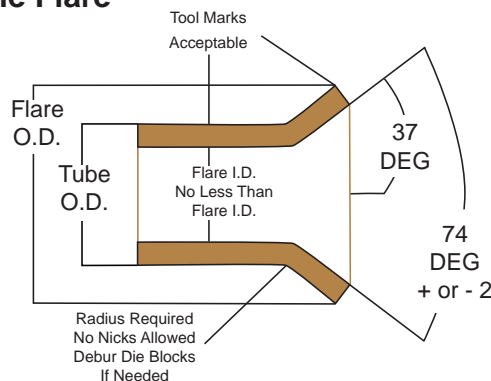


10mm x 1.0 metric nut with DIN/ISO flare



AN/JIC 37 Degree Single Flare

Tube O.D.	Flare O.D. + or - .010
3/16"	.270"
1/4"	.350"
5/16"	.415"
	+ or - .015
3/8"	.475"
1/2"	.645



Never interchange a fully threaded nut with a nut with non-threaded lead

Never interchange a nut with a non-threaded lead with a fully threaded nut