



Tightening Torque for Flare Connector Multi-Angle (FCMA),
Union Straight (UNST), and Union Reducer (UNRD)

Model	Tube Side			
	Tube Outside diameter		Torque	
	mm	inch	kgf.cm	lbf.ft
1400	Ø6.35	0.250 (1/4)	250	18.2
3800	Ø9.52	0.375 (3/8)	350	25.5
1200	Ø12.7	0.500 (1/2)	400	29.1
5800	Ø15.88	0.625 (5/8)	550	40.0
3400	Ø19.05	0.750 (3/4)	700	50.9
7800	Ø22.225	0.875 (7/8)	850	61.8

The SMARTLOCK FCMA/UNST/UNRD Fitting design does not require torque wrenches. Fasten until the nuts stop against the body and you will achieve the torque required for a metal to metal seal. However, if you prefer to use torque wrenches the above chart are the numbers you need to tighten the swage nut and the tube nut. Follow the installation guide substituting torque wrenches where we state wrenches.

NOTE: For the FCMA – Flare Body may turn while tightening the nut completing required tightening.