

Fittings for Stainless Steel Tubing 304SS, 316SS

I-Fit has been developed to simplify and replace conventional double ferrule fittings. It consists of only 2 parts, body and an integrated nut and ferrule. It simplifies the handling and installation process,

avoids losing and misdirection for the ferrule. When tightening, the problems of dropping/losing and misaligning the parts can be eliminated. I-Fit is ideal for new and replacement markets.

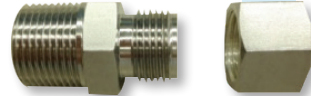

SPECIFICATIONS

• SIZES:

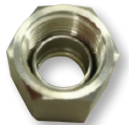
Inch: 1/4, 3/8, 1/2, 3/4, 1 (ø6.35, ø9.52, ø12.7, ø19.05, ø25.4)

Metric: 6mm, 8mm, 10mm, 12mm, 16mm, 20mm, 22mm, 25mm

• PRESSURE RATINGS • FEATURES:

FRACTIONAL (INCH)	METRIC (MM)	PRESSURE RATINGS	FEATURES
1/4, 3/8, 1/2	6, 8, 10, 12	3000 psig	2 PARTS DESIGN  Body • Integrated Nut & Ferrule (Material: 316SS)
3/4	16, 20	2000 psig	3 PARTS DESIGN  Body • Single Ferrule • Nut (Material: 316SS)
1	25	1500 psig	

**Integrated Nut
& Ferrule !**

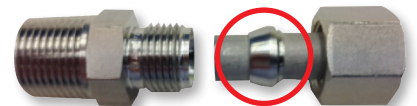


• DESIGN TEMPERATURE: -150°F~570°F

• OTHERS:

- Fitting body is interchangeable with conventional double ferrule type tube fitting.
- Tightening procedure is also same as 1-1/4 turn from finger tight position.

By turning the nut the ferrule comes off and fitted onto the tube.



ADVANTAGES OF I-FIT VS. DOUBLE FERRULE



**I-Fit ONLY
2 PARTS**
**Integrated Nut
& Ferrule !**



Why double ferrule type fittings are used for stainless steel tubing?

- Simplifies handling of 4 loose parts
- 2 parts only (Integrated Nut & Body)
- Eliminates misdirection of the ferrule
- Body is interchangeable with conventional double ferrule type tube fitting


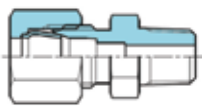
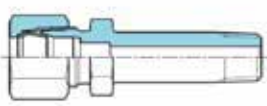
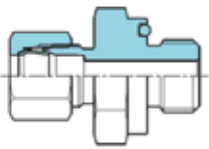
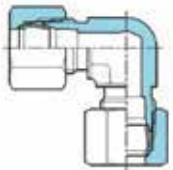
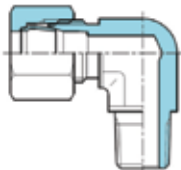

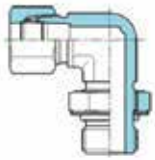
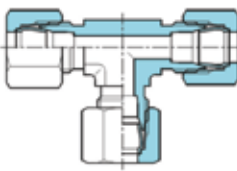
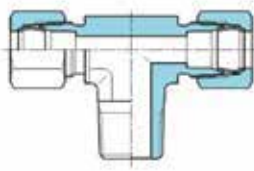
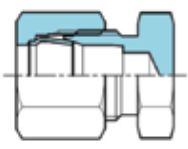
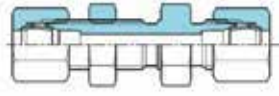
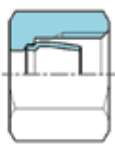
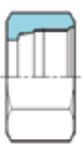

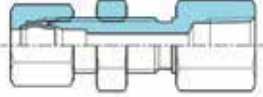
PART NUMBER

① Fractional or Metric: M AI CT 10M — R4 SS
② Type: _____
③ Shape/Style: _____
④ Tube size: _____
 Metric: M, Inch: Blank
⑤ Thread size – Blank : NPT
 R : BSPT
 G : BSPP

① Fractional or Metric	④ Tube size				⑤ Thread size	
Metric: M, Fractional: Blank	Fractional size		Metric size			
② Type	Nominal	Size inch	Nominal	Size mm	Nominal	Size
I-Fit : 『AI』, BI-Lok : 『D』	4	1/4	6M	6	※ 4	1/4
	6	3/8	8M	8	※ 6	3/8
③ Shape/Style	8	1/2	10M	10	※ 8	1/2
	12	3/4	12M	12	※ 12	3/4
	16	1	16M	16	※ 16	1

※ Blank : NPT
 R : BSPT
 G : BSPP

PRODUCT VISUAL INDEX

Union : AIUA 	Male Connector : AICT 	Long Male Connector : AICC 	G Thread Connector : AICO 
Elbow Union : AILA 	Male Elbow Nipple : AILN 	Female Connector : AISA 	O-ring Gasket type Elbow Nipple : AILO 
Union Tee : AITA 	Branch Tee : AITN 	Cap : AICA 	Bulkhead Union : AISU 
Assembly Nut : AINF  Inch size : 1/4~1/2 Metric size : Ø6~Ø12	Nut : AINA  Inch size : 3/4, 1 Metric size : Ø16~Ø25	Ferrule : AIOF  Inch size : 3/4, 1 Metric size : Ø16~Ø25	Female Bulkhead Socket : AISS 

Other shapes are available as well as BI-Lok tube fittings.

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