

Ferrule Set CFS



Fractional

Part No.	Tube O.D.	
	in	mm
CFS - 1	1/16	1.58
CFS - 2	1/8	3.17
CFS - 3	3/16	4.76
CFS - 4	1/4	6.35
CFS - 5	5/16	7.93
CFS - 6	3/8	9.52
CFS - 8	1/2	12.70
CFS - 10	5/8	15.87
CFS - 12	3/4	19.05
CFS - 14	7/8	22.22
CFS - 16	1	25.40

Metric

Part No.	Tube O.D.
CFS - 2M	2
CFS - 3M	3
CFS - 4M	4
CFS - 6M	6
CFS - 8M	8
CFS - 10M	10
CFS - 12M	12
CFS - 15M	15
CFS - 16M	16
CFS - 18M	18
CFS - 20M	20
CFS - 22M	22
CFS - 25M	25

- Hy-Lok ferrule set is composed of one back ferrule and one front ferrule.



Fractional

Part No.	Tube O.D.	
	in	mm
CFS - 1 - SET	1/16	1.58
CFS - 2 - SET	1/8	3.17
CFS - 3 - SET	3/16	4.76
CFS - 4 - SET	1/4	6.35
CFS - 5 - SET	5/16	7.93
CFS - 6 - SET	3/8	9.52
CFS - 8 - SET	1/2	12.70
CFS - 10 - SET	5/8	15.87
CFS - 12 - SET	3/4	19.05
CFS - 14 - SET	7/8	22.22
CFS - 16 - SET	1	25.40

Metric

Part No.	Tube O.D.
CFS - 2M - SET	2
CFS - 3M - SET	3
CFS - 4M - SET	4
CFS - 6M - SET	6
CFS - 8M - SET	8
CFS - 10M - SET	10
CFS - 12M - SET	12
CFS - 15M - SET	15
CFS - 16M - SET	16
CFS - 18M - SET	18
CFS - 20M - SET	20
CFS - 22M - SET	22
CFS - 25M - SET	25

- One ferrule bar is assembled with 10 ferrule sets or 5nut ferrule sets.

Nut Ferrule Set CNFS



Fractional

Part No.	Tube O.D.	
	in	mm
CNFS - 1	1/16	1.58
CNFS - 2	1/8	3.17
CNFS - 3	3/16	4.76
CNFS - 4	1/4	6.35
CNFS - 5	5/16	7.93
CNFS - 6	3/8	9.52
CNFS - 8	1/2	12.70
CNFS - 10	5/8	15.87
CNFS - 12	3/4	19.05
CNFS - 14	7/8	22.22
CNFS - 16	1	25.40

Metric

Part No.	Tube O.D.
CNFS - 2M	2
CNFS - 3M	3
CNFS - 4M	4
CNFS - 6M	6
CNFS - 8M	8
CNFS - 10M	10
CNFS - 12M	12
CNFS - 15M	15
CNFS - 16M	16
CNFS - 18M	18
CNFS - 20M	20
CNFS - 22M	22
CNFS - 25M	25

- Hy-Lok nut ferrule set is composed of one nut, one back ferrule and one front ferrule.



Fractional

Part No.	Tube O.D.	
	in	mm
CNFS - 1 - SET	1/16	1.58
CNFS - 2 - SET	1/8	3.17
CNFS - 3 - SET	3/16	4.76
CNFS - 4 - SET	1/4	6.35
CNFS - 5 - SET	5/16	7.93
CNFS - 6 - SET	3/8	9.52
CNFS - 8 - SET	1/2	12.70
CNFS - 10 - SET	5/8	15.87
CNFS - 12 - SET	3/4	19.05
CNFS - 14 - SET	7/8	22.22
CNFS - 16 - SET	1	25.40

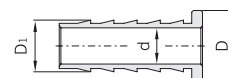
Metric

Part No.	Tube O.D.
CNFS - 2M - SET	2
CNFS - 3M - SET	3
CNFS - 4M - SET	4
CNFS - 6M - SET	6
CNFS - 8M - SET	8
CNFS - 10M - SET	10
CNFS - 12M - SET	12
CNFS - 15M - SET	15
CNFS - 16M - SET	16
CNFS - 18M - SET	18
CNFS - 20M - SET	20
CNFS - 22M - SET	22
CNFS - 25M - SET	25

Tube Insert for Nylon or Soft Plastic Tubing

CI**Fractional**

Part No.	Tube O.D.		Tube I.D.		Bore I.D.	
	D		D ₁		d	
	in	mm	in	mm	in	mm
CI 3 - 2	3/16	4.76	1/8	3.17	0.09	1.70
CI 4 - 2	1/4	6.35	1/8	3.17	0.09	1.70
CI 4 - 4.3M	1/4	6.35	0.17	4.32	0.11	3.10
CI 4 - 3	1/4	6.35	3/16	4.76	0.14	3.56
CI 5 - 2	5/16	7.93	1/8	3.17	0.09	2.29
CI 5 - 3	5/16	7.93	3/16	4.76	0.12	3.50
CI 5 - 4	5/16	7.93	1/4	6.35	0.19	4.83
CI 6 - 3	3/8	9.52	3/16	4.76	0.12	3.05
CI 6 - 4	3/8	9.52	1/4	6.35	0.19	4.83
CI 8 - 4	1/2	12.70	1/4	6.35	0.19	4.83
CI 8 - 6	1/2	12.70	3/8	9.52	0.31	7.87
CI10 - 6	5/8	15.87	3/8	9.52	0.31	7.87
CI10 - 8	5/8	15.87	1/2	12.70	0.44	11.00
CI12 - 8	3/4	19.05	1/2	12.70	0.44	11.00
CI12 - 10	3/4	19.05	5/8	15.87	0.56	14.22
CI16 - 12	1	25.40	3/4	19.05	0.69	17.53

**Metric**

Part No.	Tube O.D.	Tube I.D.	Bore I.D.
	D	D ₁	d
CI 6M - 4M	6	4	2.4
CI 8M - 6M	8	6	4.8
CI 10M - 8M	10	8	6.4
CI 12M - 8M	12	8	6.4
CI 12M - 10M	12	10	8.3

Hy-Lok Tube Inserts are used to secure the nylon or other soft plastic tubing to Hy-Lok tube fittings.

To choose the proper Hy-Lok Tube insert, check if O.D. and I.D. of the tubing are the same as dimension D and D₁ of tube inserts, respectively.



Sure Ring Against Overtight

CCL

Hy-Lok Sure Ring is especially useful when you install Hy-Lok two ferrule tube fittings in a small space such as in a cabinet where it is practically impossible to apply the standard installation procedures. (i.e., 1 1/4 turns or 3/4 turn from finger tight) it ensures sufficient tightening and protects over-tightening. For installation, insert Sure Ring between the nut and the body before assembly, and then tighten the nut until being blocked by the sure ring.

Fractional

Part No.	Tube O.D.	
	in	mm
CCL - 2	1/8	3.17
CCL - 4	1/4	6.35
CCL - 6	3/8	9.52
CCL - 8	1/2	12.70
CCL - 12	3/4	19.05
CCL - 16	1	25.40

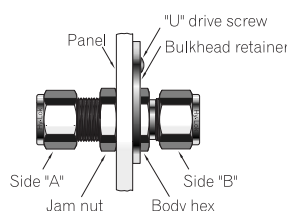
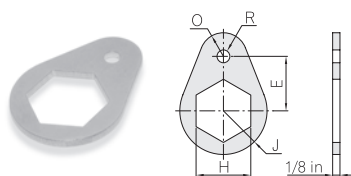
Metric

Part No.	Tube O.D.
CCL - 3M	3
CCL - 6M	6
CCL - 10M	10
CCL - 12M	12
CCL - 18M	18
CCL - 20M	20
CCL - 25M	25

Bulkhead Retainer

CBRE

Bulkhead retainer can function as a back up wrench, tubing can be installed to side "A" or "B" by one person with only one wrench.



Part No.	Fitting Size		E	H	J	O	R	Drill Hole Dia	'U' Drive Screw Size	Drill Number
	in	mm								
CBRE - 1	1/16	-	9.52	7.93	7.93	3.97	3.97	3.0	6-3/8	31
CBRF - 2	1/8	-	12.70	12.70	10.32	5.56				
CBRE - 3	3/16	3.4	14.28	14.28	11.91	6.35				
CBRE - 4	1/4	6	15.87	15.87	12.70	7.14				
CBRE - 5	5/16	-	17.46	17.46	14.28	7.93				
CBRE - 6	3/8	-	19.05	19.05	15.87	8.73				
CBRE - 8	1/2	12	23.81	23.81	19.05	10.32	5.56	3.66	10-1/2	27
CBRE - 10	5/8	15.16	25.40	26.98	20.64	10.23				
CBRE - 12	3/4	18	26.98	30.16	23.02	11.91				
CBRE - 14	7/8	20	30.20	34.93	27.80	13.49				
CBRE - 16	1	-	32.54	41.27	29.37	13.49				
CBRE - 8M	-	8	17.46	18.00	14.28	7.93	3.97	3.0	6-3/8	31
CBRE - 10M	-	10	23.81	22.00	19.05	10.32	5.56	3.66	10-1/2	27

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.



Gap Gauge for Gap Inspection CIG



Multiple Size

Part No.	Tube O.D. in / mm
CIG 46810M	1/4(6mm) 3/8 1/2(12mm) 10mm

Part No.	Tube O.D.	
	in	mm
CIG - 1	1/16	-
CIG - 2M 3M 2	1/8	2, 3
CIG - 4M 3	3/16	4
CIG - 6M 4	1/4	6
CIG - 8M 5	5/16	8
CIG - 6	3/8	-
CIG - 10M	-	10
CIG - 12M 8	1/2	12
CIG - 14M 15M 16M 10	5/8	14, 15, 16
CIG - 18M 12	3/4	18
CIG - 20M 14	7/8	20
CIG - 25M 16	1	25
CIG - 28M	-	28
CIG - 35M	-	35
CIG - 38M	-	38

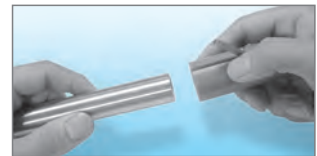
Tube Marker CTDM

The strong point of Hy-Lok tube marker.

1. Lightweight easy to carry.
2. No damage of the tube surface when inserting and detaching the tube.
3. The visible line on the tube insures that the tubing is fully bottom thereby reducing any chance of leakage.



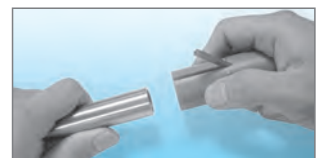
Instruction of Use



1. Insert the tubing into the tube marker.



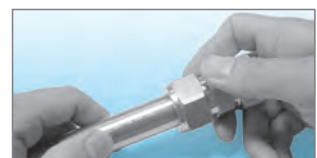
2. After inserting the tubing, press the marker lever and rotate the tube marker.



3. Release the marker lever and removing the tubing.



4. Be position the tube on the cutting plane of the product and confirm whether the line on the tube is visible or not.



5. Insert the tubing into the Hy-Lok two ferrule tube fittings and confirm that the line made by the tube marker is not visible. The tube is now properly inserted and the fitting can be tightened.

Fractional

Part No.	Tube O.D	
	in	mm
CTDM - 4	1/4	6.35
CTDM - 5	5/16	7.93
CTDM - 6	3/8	9.52
CTDM - 8	1/2	12.70
CTDM - 10	5/8	15.87
CTDM - 12	3/4	19.05
CTDM - 14	7/8	22.22
CTDM - 16	1	25.40

Metric

Part No.	Tube O.D
CTDM - 6M	6
CTDM - 8M	8
CTDM - 10M	10
CTDM - 12M	12
CTDM - 15M	15
CTDM - 16M	16
CTDM - 18M	18
CTDM - 20M	20
CTDM - 22M	22
CTDM - 25M	25

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.

Hy-Lok Two Ferrule Tube Fittings

Preswaging Tool CJ



Fractional

Part No.	Tube O.D	
	in	mm
CJ - 1	1/16	1.58
CJ - 2	1/8	3.17
CJ - 3	3/16	4.76
CJ - 4	1/4	6.35
CJ - 5	5/16	7.93
CJ - 6	3/8	9.52
CJ - 8	1/2	12.70
CJ - 10	5/8	15.87
CJ - 12	3/4	19.05
CJ - 14	7/8	22.22
CJ - 16	1	25.40

Metric

Part No.	Tube O.D
CJ - 2M	2
CJ - 3M	3
CJ - 4M	4
CJ - 6M	6
CJ - 8M	8
CJ - 10M	10
CJ - 12M	12
CJ - 15M	15
CJ - 16M	16
CJ - 18M	18
CJ - 20M	20
CJ - 22M	22
CJ - 25M	25

■ For Hy-Lok two ferrule tube fittings installations in close quarters, the Hy-lok preswaging tool is a convenient accessory.

Tee Wrench CTW



Tube Deburring Tools CTDT



Multiple Size

Part No.	Size < Tee or Cross >
CTW-4	1/4 in. and 6mm
CTW-6	5/16 and 3/8 in. and 8mm
CTW-8	1/2 in. and 12mm

■ The tee wrench provides positive backup support when installing Hy-Lok union tees and crosses.

Part No.	Size
CTDT	The inside and outside diameters of 3/16 to 1 1/2in 4 to 38mm tubing

■ When stainless steel, steel and hard alloy tubes are cut by tube cut by tube cutter or tube sawing guide, the tube ends are deburred by Hy-Lok tools.

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.