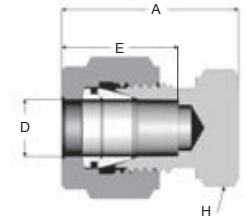


## CAP | BPS

## APPLICATION

Compression fitting to cap a tube.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference	A	E	H
3	BPS* 3	20,1	12,9	12
4	BPS* 4	21,3	13,7	12
6	BPS* 6	23,3	15,3	14
8	BPS* 8	24,6	16,2	17
10	BPS* 10	25,9	17,2	19
12	BPS* 12	29,2	22,8	22
14	BPS* 14	29,9	24,4	24
16	BPS* 16	29,9	24,4	27
18	BPS* 18	31,5	24,4	30
20	BPS* 20	33,9	26,0	32
22	BPS* 22	33,9	26,0	32
25	BPS* 25	38,4	31,3	38

\*Specify material when ordering. See page 8 for materials and codes.

## TUBE SIZE - FRACTIONAL (inch)

D	Reference	A	E	H (mm)
1/16"	BPS* 1/16	0.99	0.34	8
1/8"	BPS* 1/8	0.79	0.50	12
3/16"	BPS* 3/16	0.84	0.54	12
1/4"	BPS* 1/4	0.91	0.60	14
5/16"	BPS* 5/16	0.96	0.64	17
3/8"	BPS* 3/8	1.77	0.66	19
1/2"	BPS* 1/2	1.15	0.90	22
5/8"	BPS* 5/8	1.18	0.96	27
3/4"	BPS* 3/4	1.24	0.96	30
7/8"	BPS* 7/8	1.34	1.02	32
1"	BPS* 1"	1.52	1.23	38

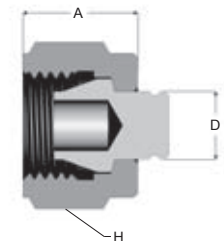
Hex flats (H) are metric. Fractional upon request  
\*Specify material when ordering. See page 8 for materials and codes.

## PLUG | OBS

## APPLICATION

Plug to seal an apparatus with a compression fitting end.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference	A	H
3	OBS* 3	11,9	12
4	OBS* 4	11,9	12
6	OBS* 6	12,7	14
8	OBS* 8	13,5	17
10	OBS* 10	15,1	19
12	OBS* 12	17,5	22
14	OBS* 14	17,5	24
16	OBS* 16	17,5	27
18	OBS* 18	17,5	30
20	OBS* 20	17,5	32
22	OBS* 22	17,5	32
25	OBS* 25	20,6	38

\*Specify material when ordering. See page 8 for materials and codes.

## TUBE SIZE - FRACTIONAL (inch)

D	Reference	A	H (mm)
1/16"	OBS* 1/16	0.31	8
1/8"	OBS* 1/8	0.47	12
3/16"	OBS* 3/16	0.47	12
1/4"	OBS* 1/4	0.50	14
5/16"	OBS* 5/16	0.53	17
3/8"	OBS* 3/8	0.56	19
1/2"	OBS* 1/2	0.69	22
5/8"	OBS* 5/8	0.69	27
3/4"	OBS* 3/4	0.69	30
7/8"	OBS* 7/8	0.69	32
1"	OBS* 1"	0.81	38

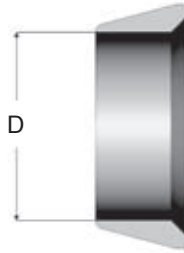
Hex flats (H) are metric. Fractional upon request  
\*Specify material when ordering. See page 8 for materials and codes.

## FRONT FERRULE | FF

### APPLICATION

Spare part for a double ferrule compression tube fitting.

Special requirements on request



### TUBE SIZE - METRIC (mm)

D	Reference
3	FF* 3
4	FF* 4
6	FF* 6
8	FF* 8
10	FF* 10
12	FF* 12
14	FF* 14
15	FF* 15
16	FF* 16
18	FF* 18
20	FF* 20
22	FF* 22
25	FF* 25

### TUBE SIZE - FRACTIONAL (inch)

D	Reference
1/16"	FF* 1/16
1/8"	FF* 1/8
3/16"	FF* 3/16
1/4"	FF* 1/4
5/16"	FF* 5/16
3/8"	FF* 3/8
1/2"	FF* 1/2
5/8"	FF* 5/8
3/4"	FF* 3/4
7/8"	FF* 7/8
1"	FF* 1"

\*Specify material when ordering. See page 8 for materials and codes.

\*Specify material when ordering. See page 8 for materials and codes.

## BACK FERRULE | BF

### APPLICATION

Spare part for a double ferrule compression tube fitting.

Special requirements on request



### TUBE SIZE - METRIC (mm)

D	Reference
3	BF* 3
4	BF* 4
6	BF* 6
8	BF* 8
10	BF* 10
12	BF* 12
14	BF* 14
15	BF* 15
16	BF* 16
18	BF* 18
20	BF* 20
22	BF* 22
25	BF* 25

### TUBE SIZE - FRACTIONAL (inch)

D	Reference
1/16"	BF* 1/16
1/8"	BF* 1/8
3/16"	BF* 3/16
1/4"	BF* 1/4
5/16"	BF* 5/16
3/8"	BF* 3/8
1/2"	BF* 1/2
5/8"	BF* 5/8
3/4"	BF* 3/4
7/8"	BF* 7/8
1"	BF* 1"

\*Specify material when ordering. See page 8 for materials and codes.

\*Specify material when ordering. See page 8 for materials and codes.

## FERRULE SET (10 of each) | SET

### APPLICATION

Set of 10 front and back ferrules.

Special requirements on request



### TUBE SIZE - METRIC (mm)

D	Reference
3	SET* 3
4	SET* 4
6	SET* 6
8	SET* 8
10	SET* 10
12	SET* 12
14	SET* 14
15	SET* 15
16	SET* 16
18	SET* 18
20	SET* 20
22	SET* 22
25	SET* 25

### TUBE SIZE - FRACTIONAL (inch)

D	Reference
1/16"	SET* 1/16
1/8"	SET* 1/8
3/16"	SET* 3/16
1/4"	SET* 1/4
5/16"	SET* 5/16
3/8"	SET* 3/8
1/2"	SET* 1/2
5/8"	SET* 5/8
3/4"	SET* 3/4
7/8"	SET* 7/8
1"	SET* 1"

\*Specify material when ordering. See page 8 for materials and codes.

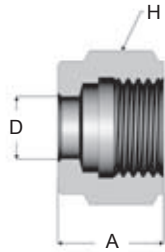
\*Specify material when ordering. See page 8 for materials and codes.

# NUT | ES

## APPLICATION

Spare part for a double ferrule compression tube fitting.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference	A	H
3	ES* 3	11,9	12
4	ES* 4	11,9	12
6	ES* 6	12,7	14
8	ES* 8	13,5	17
10	ES* 10	15,1	19
12	ES* 12	17,5	22
14	ES* 14	17,5	27
15	ES* 15	17,5	27
16	ES* 16	17,5	27
18	ES* 18	17,5	30
20	ES* 20	17,5	32
22	ES* 22	17,5	32
25	ES* 25	20,6	38

## TUBE SIZE - FRACTIONAL (inch)

D	Reference	A	H (mm)
1/16"	ES* 1/16	0.31	8
1/8"	ES* 1/8	0.47	12
3/16"	ES* 3/16	0.47	12
1/4"	ES* 1/4	0.50	14
5/16"	ES* 5/16	0.53	17
3/8"	ES* 3/8	0.56	19
1/2"	ES* 1/2	0.69	22
5/8"	ES* 5/8	0.69	27
3/4"	ES* 3/4	0.69	30
7/8"	ES* 7/8	0.69	32
1"	ES* 1"	0.81	38

Hex flats (H) are metric. Fractional upon request  
 \*Specify material when ordering.  
 See page 8 for materials and codes.

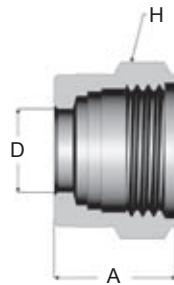
\*Specify material when ordering.  
 See page 8 for materials and codes.

# KNURLED NUT | EMS

## APPLICATION

Alternative knurled nut for a double ferrule compression tube fitting. Design for easier finger tightening.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference	A	H
3	EMS* 3	11,9	12
4	EMS* 4	11,9	12
6	EMS* 6	12,7	14
8	EMS* 8	13,5	17
10	EMS* 10	15,1	19
12	EMS* 12	17,5	22
14	EMS* 14	17,5	27
16	EMS* 16	17,5	27
18	EMS* 18	17,5	30
20	EMS* 20	17,5	32
22	EMS* 22	17,5	32

## TUBE SIZE - FRACTIONAL (inch)

D	Reference	A	H (mm)
1/16"	EMS* 1/16	0.31	8
1/8"	EMS* 1/8	0.47	12
3/16"	EMS* 3/16	0.47	12
1/4"	EMS* 1/4	0.50	14
5/16"	EMS* 5/16	0.53	17
3/8"	EMS* 3/8	0.56	19
1/2"	EMS* 1/2	0.69	22
5/8"	EMS* 5/8	0.69	27
3/4"	EMS* 3/4	0.69	30
7/8"	EMS* 7/8	0.69	32
1"	EMS* 1"	0.81	38

\*Specify material when ordering.  
 See page 8 for materials and codes.

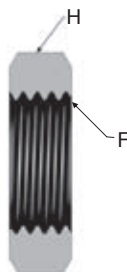
\*Specify material when ordering.  
 See page 8 for materials and codes.

# BULKHEAD LOCKNUT | ECS

## APPLICATION

Spare part for a double ferrule compression bulkhead fitting.

Special requirements on request



## TUBE SIZE

Metric	Fractional	Reference	H	F (UNF)
3	1/8"	ECS* H14 5/16	14	5/16" - 20
4	3/16"	ECS* H14 3/8	14	3/8" - 20
6	1/4"	ECS* H17 7/16	17	7/16" - 20
8	5/16"	ECS* H17 1/2	17	1/2" - 20
-	3/8"	ECS* H19 9/16	19	9/16" - 20
10	-	ECS* H19 5/8	19	5/8" - 20
12	1/2"	ECS* H24 3/4	24	3/4" - 20
14-15-16	5/8"	ECS* H27 7/8	27	7/8" - 20
18	3/4"	ECS* H30 1	30	1" - 20
20-22	7/8"	ECS* H36 1 1/8	36	1 1/8" - 20
25	1"	ECS* H38 1 5/16	38	1 5/16" - 20

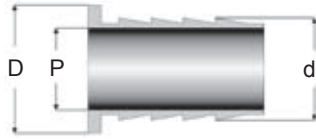
\*Specify material when ordering.  
 See page 8 for materials and codes.

# INSERT FOR PLASTIC TUBE | INS

## APPLICATION

Hose connector insert. Allows connection of a flexible hose and/or to increase the rigidity.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference	d	P
4	INS* 4 2	2	0,8
6	INS* 6 4	4	2
8	INS* 8 6	6	4
10	INS* 10 8	8	6,4
12	INS* 12 8	8	7,5
12	INS* 12 10	10	10,3
14	INS* 14 12	12	11,1
16	INS* 16 13	13	11,9
16	INS* 16 14	14	14,3
18	INS* 18 16	16	15,8

\*Specify material when ordering. See page 8 for materials and codes.

## TUBE SIZE - FRACTIONAL (inch)

D	Reference	d	P
1/8"	INS* 1/8 2	2	13/16"
3/16"	INS* 3/16 1/8	1/8"	3/32"
1/4"	INS* 1/4 1/8	1/8"	3/32"
1/4"	INS* 1/4 3/16	3/16"	1/8"
5/16"	INS* 5/16 3/16	3/16"	1/8"
5/16"	INS* 5/16 1/4	1/4"	3/16"
3/8"	INS* 3/8 3/16	3/16"	1/8"
3/8"	INS* 3/8 1/4	1/4"	3/16"
1/2"	INS* 1/2 1/4	1/4"	3/16"
1/2"	INS* 1/2 3/8	3/8"	5/16"
5/8"	INS* 5/8 3/8	3/8"	5/16"
5/8"	INS* 5/8 1/2	1/2"	7/16"
3/4"	INS* 3/4 1/2	1/2"	7/16"
3/4"	INS* 3/4 5/8	5/8"	9/16"
1"	INS* 1" 3/4	3/4"	11/16"

\*Specify material when ordering. See page 8 for materials and codes.

# GAUGE | CCS

## APPLICATION

Gauge to measure correct tightness of compression tube fittings (see page 7).

Special requirements on request



## TUBE SIZE - FRACTIONAL & METRIC

D (inch)	D2 (mm)	Reference
1/8"	3	1/8 CCS 3
3/16"	4	3/16 CCS 4
1/4"	6	1/4 CCS 6
5/16"	8	5/16 CCS 8
3/8"	-	3/8 CCS
-	10	CCS 10
1/2"	12	1/2 CCS 12
-	14	CCS 14
5/8"	16	5/8 CCS 16
3/4"	18	3/4 CCS 18
-	20	CCS 20
7/8"	22	7/8 CCS 22
1"	25	1" CCS 25

Dimensions D and D2 correspond to the tube dimension not to the gauge dimension

# PRE-ASSEMBLY TOOL | PSS

## APPLICATION

Tool to pre-tighten compression tube fittings before first-time installation. Ideal for access restricted installations.

Special requirements on request



## TUBE SIZE - METRIC (mm)

D	Reference
3	PSS 3
4	PSS 4
6	PSS 6
8	PSS 8
10	PSS 10
12	PSS 12
14	PSS 14
16	PSS 16
18	PSS 18
20	PSS 20
22	PSS 22
25	PSS 25

## TUBE SIZE - FRACTIONAL (inch)

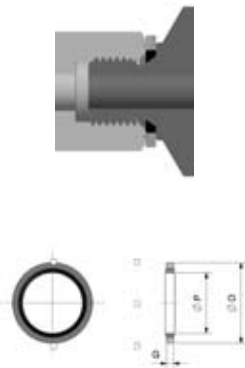
D	Reference
1/8"	PSS 1/8
3/16"	PSS 3/16
1/4"	PSS 1/4
5/16"	PSS 5/16
3/8"	PSS 3/8
1/2"	PSS 1/2
5/8"	PSS 5/8
7/8"	PSS 7/8
1"	PSS 1"

## GASKETS (steel/elastomer) | GBS

### APPLICATION

- Provides a seal with male ISO/BSPP K parallel thread. The standard gasket is composed of a nitrile NBR inner ring bonded to a carbon steel outer ring. To order a fluorocarbon gasket, add FPM.
- See page 9 for details.

Special requirements on request



### ISO/BSPP PARALLEL THREAD

ISO thread size	Reference	D (mm / inch)	P (mm / inch)	G (mm / inch)
1/8"	GBS 1/8	15,88 / 0.63	10,35 / 0.41	2,00 / 0.08
1/4"	GBS 1/4	20,57 / 0.81	13,74 / 0.54	2,03 / 0.08
3/8"	GBS 3/8	23,80 / 0.94	17,28 / 0.68	
1/2"	GBS 1/2	28,58 / 1.13	21,54 / 0.85	
3/4"	GBS 3/4	34,93 / 1.38	27,05 / 1.06	2,50 / 0.10
1"	GBS 1"	42,80 / 1.69	33,89 / 1.33	

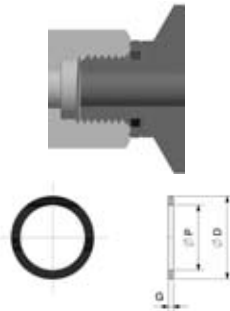
ISO thread size	Reference	D (mm / inch)	P (mm / inch)	G (mm / inch)
1/8"	GBS/FPM 1/8	15,88 / 0.63	10,35 / 0.41	2,00 / 0.08
1/4"	GBS/FPM 1/4	20,57 / 0.81	13,74 / 0.54	2,03 / 0.08
3/8"	GBS/FPM 3/8	23,80 / 0.94	17,28 / 0.68	
1/2"	GBS/FPM 1/2	28,58 / 1.13	21,54 / 0.85	
3/4"	GBS/FPM 3/4	34,93 / 1.38	27,05 / 1.06	2,50 / 0.10
1"	GBS/FPM 1"	42,80 / 1.69	33,89 / 1.33	

## GASKETS (copper) | GCU

### APPLICATION

- Provides a seal with male ISO BSPP G parallel threads.
- The gasket material is copper.
- See page 9 for details.

Special requirements on request



### ISO/BSPP PARALLEL THREAD

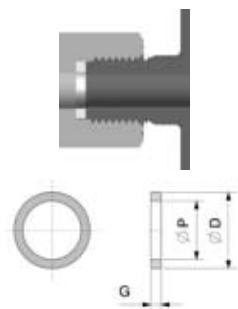
ISO thread size	Reference	D (mm / inch)	P (mm / inch)	G (mm / inch)
1/8"	GCU 1/8	14,98 / 0.59	9,91 / 0.39	1,0 / 0.04
1/4"	GCU 1/4	18,03 / 0.71	13,97 / 0.55	
3/8"	GCU 3/8	23,11 / 0.91	17,02 / 0.67	1,5 / 0.06
1/2"	GCU 1/2	26,92 / 1.06	21,34 / 0.84	
3/4"	GCU 3/4	33,02 / 1.30	26,67 / 1.05	2,0 / 0.08
1"	GCU 1"	38,10 / 1.50	33,53 / 1.32	

## GASKETS (PCTFE) | GKF

### APPLICATION

- Provides a seal on stainless steel pressure gauges equipped with ISO/BSPP G parallel female threads.
- The gasket material is PCTFE.
- See page 9 for details.

Special requirements on request



### ISO/BSPP PARALLEL THREAD

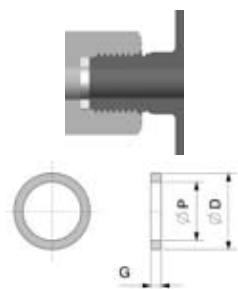
	ISO thread size	Reference	D (mm / inch)	P (mm / inch)	G (mm / inch)
Regular gaskets	1/4"	GKF 1/4	11,0 / 0.43	5,2 / 0.20	2,0 / 0.08
	3/8"	GKF 3/8	14,7 / 0.58	8,0 / 0.31	4,0 / 0.16
	1/2"	GKF 1/2	18,3 / 0.72	14,0 / 0.5	2,5 / 0.10
Thin gaskets	1/4"	GKF 1/4	11,0 / 0.43	5,2 / 0.20	1,5 / 0.06
	1/4"	GKF 1/4	11,0 / 0.43	5,2 / 0.20	1,0 / 0.04
	1/4"	GKF 1/4	11,0 / 0.43	5,2 / 0.20	0,5 / 0.02
	3/8"	GKF 3/8	14,7 / 0.58	8,0 / 0.31	1,5 / 0.06
	3/8"	GKF 3/8	14,7 / 0.58	8,0 / 0.31	1,0 / 0.04
	3/8"	GKF 3/8	14,7 / 0.58	8,0 / 0.31	0,5 / 0.02

## GASKETS (PTFE) | GTE

### APPLICATION

- Provides a seal on stainless steel pressure gauges equipped with ISO/BSPP G parallel female threads. The gasket material is PTFE.
- See page 9 for details.

Special requirements on request



### ISO/BSPP PARALLEL THREAD

	ISO thread size	Reference	D	P	G
Regular gaskets	1/4"	GTE 1/4	11,0	5,2	2,0
	3/8"	GTE 3/8	14,7	8,0	2,0
	3/4"	GTE 3/4	18,3	14,0	2,5
	1/2"	GTE 1/2	23,8	18,0	3,0
Thin gaskets	1/4"	GTE 1/4	11,0	5,2	1,5
	1/4"	GTE 1/4	11,0	5,2	1,0
	1/4"	GTE 1/4	11,0	5,2	0,5

## MANUAL TUBE BENDER

### APPLICATION

Enables reliable and high precision bends in tubing made from materials that can be used with Rotarex tube fittings. Bending range from 3 to 14 mm, and ¼ to ¾ inch, according to the selected model, Perfect handling by pre-molded wrists.

Special requirements on request



### Reference

### Description

474900312	Tube bender thickness ≤ 1 mm Ø 3 to 10 mm
474900409	Tube bender Thickness ≤ 1 mm Ø ¼ to ¾ mm R 3 - 3,5 D
474900610	Tube bender Thickness ≤ 1 mm Ø 6 to 10 mm R 3 - 3,5 D
474900611	Tube bender Thickness ≤ 1 mm Ø ¼" - ¾" - R3 D
474900612	Tube bender Thickness ≤ 1 mm Ø 10 mm R 3,5 D
474900613	Tube bender Thickness ≤ 1 mm Ø 12 mm R 3,5 D
474901214	Tube bender Thickness ≤ 1 mm Ø 12 to 14 mm R 3 to 3,5 D
474901654	Tube bender Thickness ≤ 1 mm Ø ¾" R 54 mm

## DEBURRING TOOL

### APPLICATION

To deburr copper tubing. Deburs the inside and outside diameters of 4 mm to 25 mm, and ⅛" to 1" inch tubing.

Reference: 47490000.

Special requirements on request



## TUBE CUTTER

### APPLICATION

The Rotarex tube cutter cuts stainless steel, soft copper and aluminium tubing from 3 to 25 mm and ⅛ to 1 inch outside diameter.

Special requirements on request



## PTFE TAPE

### APPLICATION

Tape 12 mm x 0,1 mm x 12 m  
Density: 1g/cm<sup>3</sup>  
Reference 13008006.

Special requirements on request

