

Stainless steel compression ring fittings

Item numbers covered by this datasheet

214035	Comprs fit ø6 Tee	
214039	Comprs fit ø6 - 1/4" AN tube	
214046	Comprs fit ø6 -ø6 union Elbow	
214052	Comprs fit ø6 -ø6 union Strght	
214058	Comprs fit ø6 -1/8" Strght	1/8" ISO 7/1-R ext (straight)
301328	Comprs fit ø6 -1/4" bspt strght	1/4" ISO 7/1-R ext (straight)
214070	Comprs fit ø6 -1/8" Elbow	1/8" ISO 7/1-R ext (elbow)
214071	Comprs fit ø6 -1/4" Elbow	1/4" ISO 7/1-R ext (elbow)
214076	Comprs fit ø6 -1/8" npt Elbow	1/8" npt (elbow)
214301	Comprs fit ø6 -1/4" bspt stud	
301382	Comprs fit ø6 -1/4" bspp Female strght	1/4" ISO 228/1-G internal (straight)
4134221	Comprs fit ø6 -1/4" bspp strght	1/4" ISO 228/1-R ext (straight)
214091	Comprs fit ø6 -ø6 Bulkhead	
4164425	Comprs fit ø6 -1/4" Tee swivel	1/4" ISO228/1-G ext (EN837)
214077	Comprs fit ø6 ferrule set	Replacement part
214078	Comprs fit ø6 union nut	Replacement part

General

Stainless steel compression ring fittings are used for connecting stainless steel tubing to threaded fittings or valves. This could be used in pneumatic or hydraulic actuation and control systems or for transferring extinguishing agents.

Specifications

Working pressure:	-1 - 400 bar
Burst pressure:	> 1500 bar
Temperature:	-60°C to +100°C

Material

Stainless steel (AISI 316)

Approvals

See table 1

Markings

See table 1

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FIRE EATER 4%

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Item number	Drawing	Connections	Wrench [mm]	Notes	Dimension	
					[mm]	[kg]
214035 Comprs fit ø6 Tee		#1 Ø6 tube #2 Ø6 tube #3 Ø6 tube	S1: 14 S2: 13	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 54 H: 27	0.065
214039 Comprs fit ø6 - 1/4" AN tube		#1 Ø6 tube #2 1/4" AN	S1: 14 S2: 13	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 38 -	0.025
214046 Comprs fit ø6 - ø6 union Elbow		#1 Ø6 tube #2 Ø6 tube	H: 14 h: 13	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 27 l: 20	0.025
214052 Comprs fit ø6 - ø6 union Strght		#1 Ø6 tube #2 Ø6 tube	H: 14 h: 14	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 41 l: 26	0.035
214058 Comprs fit ø6 - 1/8 Strght		#1 Ø6 tube #2 1/8" BSPT male	S1: 14 S2: 14	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 33	0.030
301328 Comprs fit ø6 - 1/4"bspt strght		#1 Ø6 tube #2 1/4" BSPT male	S1: 14 S2: 14		L: 38	0.035

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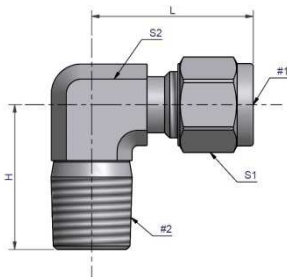
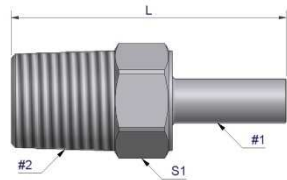
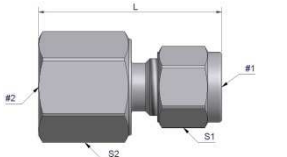
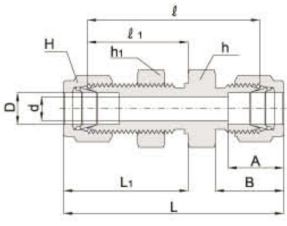
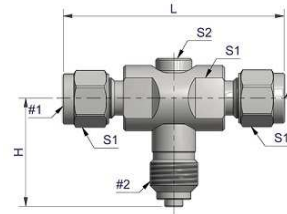
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214070 Comprs fit ø6- 1/8 Elbow		#1 Ø6 tube #2 1/8" BSPT male	S1: 14 S2: 13	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 27 H: 19	0.035
214071 Comprs fit ø6- 1/4 Elbow		#1 Ø6 tube #2 1/4" BSPT male	S1: 14 S2: 13		L: 27 H: 24	0.040
214076 Comprs fit ø6- 1/8 npt Elbow		#1 Ø6 tube #2 1/8" npt male	S1: 14 S2: 13		L: 27 H: 19	0.035
214301 Comprs fit ø6 - 1/4"bspt stud		#1 Ø6 stub tube (ext) #2 1/4" BSPT male	S1: 14	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 38	0.025
301382 Comprs fit ø6-1/4" bspp Female strght		#1 Ø6 tube #2 1/4" G female	S1: 14 S2: 19	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 36	0.045
214091 Comprs fit ø6 - ø6 Bulkhead		#1 Ø6 tube #2 Ø6 tube	H: 14 h: 16	DNV P-12566 LR 01/10075(E1) Hy-Lok	L: 58	0.050
4164425 Comprs fit ø6-1/4" Tee swivel		#1 Ø6 tube #2 1/4" G male (EN837) #3 Ø6 tube	S1: 14 S2: 5	FE logo	L: 62 H: 30	0.10

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Installation

1. Mount fitting with appropriate seal to threaded interface first, before mounting the tube.
2. Only use the correct size, quality and type of tubing.
3. Tube must be long enough to be fully inserted into fitting.
4. Only use cutting tools for stainless steel, tools must not have been used for cutting non-stainless steel.
5. Cut tube square to axis.
6. Debur cut edges.
7. Tube ends must not be oval.
8. Push the tube fully into the fitting. Do not force the tube into the fitting.
Use of special mounting tool for ferrule is recommended.
9. Tighten the nut by hand.
10. Hold the fitting body steady with a back up wrench.
11. Tighten the nut slightly until the tube can no longer be rotated by hand (snug position).
12. Tighten the nut a further 1¼ turns.
13. Verify that distance from nut to body is correct.

If using replacement ferrules, be very careful to only use the correct type and the correct position and orientation of the ferrules (Front and back ferrules must not be interchanged and must not be reversed).

Operating

No requirements.

Maintenance

No requirements.

Routine testing

No requirements.

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