

ST-Series Hydraulic Coupling

Interchange Data:

- Interchangeable with Snap-Tite 71-Series

Materials:

- Machined components are manufactured using solid Steel or 316 stainless bar stock.
- Stainless Steel balls, retaining rings, and springs maximise corrosion resistance and extend service life.
- Steel componentry is plated using ROHS Compliant Trivalent Chrome.
- Steel coupler sleeves are hardened to resist deformation and maximise service life.
- Steel nipples are hardened to provide heavy duty performance.



Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to +121°C (-40°F to +250°F).
- All couplers and nipples incorporate PTFE or TPC-ET anti-extrusion rings to protect the seal components from dynamic impulse damage.

Rated Pressure Chart:

ST-SERIES SNAP-TITE 71-SERIES INTERCHANGE								
BODY SIZE	STEEL COUPLER/PLUG COUPLED				316 STAINLESS COUPLER/PLUG COUPLED			
	Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	10,000	700	27,300	1,800	5,000	345	28,000	1,900
3/8"	10,000	700	27,300	1,800	5,000	345	28,000	1,900
1/2"	10,000	700	22,500	1,500	5,000	345	25,000	1,700
3/4"	7,500	500	20,200	1,400	5,000	345	22,800	1,550
1"	7,500	500	19,400	1,300	4,000	275	18,500	1,250
1"-V2	8,500	585	25,900	1,750	-	-	-	-
2"	5,000	345	16,000	1,100	3,000	200	10,000	700

Technical Specifications:

BODY SIZE	INTERCHANGE STANDARDS				FUNCTIONAL PARAMETERS				
	U.S. MILITARY	U.S. GOVERNMENT	INTERNATIONAL STANDARDS	ANSI/NFPA STANDARDS	LOCKING BALL QUANTITY	AIR INCLUSION	FLUID LOSS	VACUUM INCH HG	FLOW $\Delta P = 22$ PSI L/MIN
1/4"	-	-	-	-	10	0.01cc	0.02cc	N/R	11
3/8"	-	-	-	-	10	0.02cc	0.02cc	N/R	28
1/2"	-	-	-	-	12	0.03cc	0.03cc	N/R	56
3/4"	-	-	-	-	12	0.04cc	0.06cc	N/R	113
1"	-	-	-	-	12	0.06cc	0.07cc	N/R	169
1"-V2	-	-	-	-	12	0.09cc	0.10cc	N/R	188
2"	-	-	-	-	15	3.14cc	5.25cc	N/R	564

Note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU).

For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the burst pressure must be divided by four (4) to ensure a 4:1 safety factor during system operation.



Quick Release Couplings



ST-SERIES COUPLER DUST PLUG

PART NO	BODY SIZE	LANYARD	BODY MATERIAL
2STDPA	1/4"	SS Bead Chain	Aluminium
3STDPA	3/8"	SS Bead Chain	Aluminium
4STDPA	1/2"	SS Bead Chain	Aluminium
6STDPA	3/4"	SS Bead Chain	Aluminium
8STDPA	1"	SS Bead Chain	Aluminium
8STDPA-V2	1 1/2"	SS Bead Chain	Aluminium
16STDPA	2"	SS Bead Chain	Aluminium



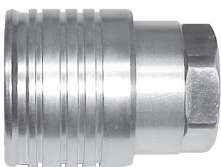
ST-SERIES NIPPLE DUST PLUG

PART NO	BODY SIZE	LANYARD	BODY MATERIAL
ST2DC-A	1/4"	SS Bead Chain	Aluminium
ST3DC-A	3/8"	SS Bead Chain	Aluminium
ST4DC-A	1/2"	SS Bead Chain	Aluminium
ST6DC-A	3/4"	SS Bead Chain	Aluminium
ST8DC-A	1"	SS Bead Chain	Aluminium
ST8DC-A-V2	1 1/2"	SS Bead Chain	Aluminium
ST16DC-A	2"	SS Bead Chain	Aluminium

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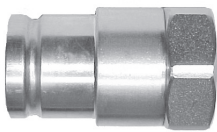
ST-SERIES SNAP-TITE '71' INTERCHANGE (AUTOMATIC COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
2STF2	1/4"	1/4" - 18 NPTF	Steel
2STF2-SS	1/4"	1/4" - 18 NPTF	316 Stainless Steel
2STBF2	1/4"	1/4" - 19 BSPP	Steel
2STBF2-SS	1/4"	1/4" - 19 BSPP	316 Stainless Steel
3STF2	3/8"	1/4" - 18 NPTF	Steel
3STF3	3/8"	3/8" - 18 NPTF	Steel
3STF3-SS	3/8"	3/8" - 18 NPTF	316 Stainless Steel
3STBF3	3/8"	3/8" - 19 BSPP	Steel
3STBF3-SS	3/8"	3/8" - 19 BSPP	316 Stainless Steel
3STF4	3/8"	1/2" - 14 NPTF	Steel
3STF4-SS	3/8"	1/2" - 14 NPTF	316 Stainless Steel
3STBF4	3/8"	1/2" - 14 BSPP	Steel
3STBF4-SS	3/8"	1/2" - 14 BSPP	316 Stainless Steel
4STF4	1/2"	1/2" - 14 NPTF	Steel
4STF4-SS	1/2"	1/2" - 14 NPTF	316 Stainless Steel
4STBF4	1/2"	1/2" - 14 BSPP	Steel
4STBF4-SS	1/2"	1/2" - 14 BSPP	316 Stainless Steel
4STOF4	1/2"	3/4"-16 ORB	Steel
6STF6	3/4"	3/4"-14 NPTF	Steel
6STF6-SS	3/4"	3/4"-14 NPTF	316 Stainless Steel
6STOF6	3/4"	1 1/16"-12 ORB	Steel
6STOF6-SS	3/4"	1 1/16"-12 ORB	316 Stainless Steel
6STBF6	3/4"	3/4"-14 BSPP	Steel
6STBF6-SS	3/4"	3/4"-14 BSPP	316 Stainless Steel
8STF8	1"	1"-11 1/2 NPTF	Steel
8STF8-SS	1"	1"-11 1/2 NPTF	316 Stainless Steel
8STOF8	1"	1 5/16"-12 ORB	Steel
8STOF8-SS	1"	1 5/16"-12 ORB	316 Stainless Steel
8STBF8	1"	1"-11 BSPP	Steel
8STBF8-SS	1"	1"-11 BSPP	316 Stainless Steel
8STF10	1"	1 1/4"-11 1/2 NPTF	Steel
8STF10-SS	1"	1 1/4"-11 1/2 NPTF	316 Stainless Steel
8STOF10	1"	1 5/8"-12 ORB	Steel
8STOF10-SS	1"	1 5/8"-12 ORB	316 Stainless Steel
8STBF10	1"	1 1/4"-11 BSPP	Steel
8STBF10-SS	1"	1 1/4"-11 BSPP	316 Stainless Steel



(Female Thread)

ST-SERIES SNAP-TITE '71' INTERCHANGE (NIPPLE)



(Female Thread)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
ST2F2	1/4"	1/4"-18 NPTF	Steel
ST2F2-SS	1/4"	1/4"-18 NPTF	316 Stainless Steel
ST2BF2	1/4"	1/4"-19 BSPP	Steel
ST2BF2-SS	1/4"	1/4"-19 BSPP	316 Stainless Steel
ST3F2	3/8"	1/4"-18 NPTF	Steel
ST3F3	3/8"	3/8"-18 NPTF	Steel
ST3F3-SS	3/8"	3/8"-18 NPTF	316 Stainless Steel
ST3BF3	3/8"	3/8"-19 BSPP	Steel
ST3BF3-SS	3/8"	3/8"-19 BSPP	316 Stainless Steel
ST3F4	3/8"	1/2"-14 NPTF	Steel
ST3F4-SS	3/8"	1/2"-14 NPTF	316 Stainless Steel
ST3BF4	3/8"	1/2"-14 BSPP	Steel
ST3BF4-SS	3/8"	1/2"-14 BSPP	316 Stainless Steel
ST4F4	1/2"	1/2"-14 NPTF	Steel
ST4F4-SS	1/2"	1/2"-14 NPTF	316 Stainless Steel
ST4BF4	1/2"	1/2"-14 BSPP	Steel
ST4BF4-SS	1/2"	1/2"-14 BSPP	316 Stainless Steel
ST4OF4	1/2"	3/4"-16 ORB	Steel
ST6F6	3/4"	3/4"-14 NPTF	Steel
ST6F6-SS	3/4"	3/4"-14 NPTF	316 Stainless Steel
ST6OF6	3/4"	1 1/16"-12 ORB	Steel
ST6OF6-SS	3/4"	1 1/16"-12 ORB	316 Stainless Steel
ST6BF6	3/4"	3/4"-14 BSPP	Steel
ST6BF6-SS	3/4"	3/4"-14 BSPP	316 Stainless Steel
ST8F8	1"	1"-11 1/2 NPTF	Steel
ST8F8-SS	1"	1"-11 1/2 NPTF	316 Stainless Steel
ST8OF8	1"	1 5/16"-12 ORB	Steel
ST8OF8-SS	1"	1 5/16"-12 ORB	316 Stainless Steel
ST8BF8	1"	1"-11 BSPP	Steel
ST8BF8-SS	1"	1"-11 BSPP	316 Stainless Steel
ST8F10	1"	1 1/4"-11 1/2 NPTF	Steel
ST8F10-SS	1"	1 1/4"-11 1/2 NPTF	316 Stainless Steel
ST8OF10	1"	1 5/8"-12 ORB	Steel
ST8OF10-SS	1"	1 5/8"-12 ORB	316 Stainless Steel
ST8BF10	1"	1 1/4"-11 BSPP	Steel
ST8BF10-SS	1"	1 1/4"-11 BSPP	316 Stainless Steel

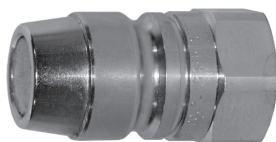


(Female Thread)

ST-SERIES SNAP-TITE 71-SERIES 'OLD STYLE' INTERCHANGE COUPLER

PART NO	BODY SIZE	THREAD SIZE	BODY MATERIAL
8STF8-V2	1"	1" - 11 ¹ / ₂ NPTF	Steel
8STBF8-V2	1"	1" - 11 BSPP	Steel
8STF10-V2	1"	1 ¹ / ₄ " - 11 1/2 NPTF	Steel
16STF12	2"	1 ¹ / ₂ " - 11 1/2 NPTF	Steel
16STBF12	2"	1 ¹ / ₂ " - 11 BSPP	Steel
16STOF12	2"	1 ⁷ / ₈ " - 12 ORB	Steel
16STF16	2"	2" - 11 ¹ / ₂ NPTF	Steel
16STF16-SS	2"	2" - 11 ¹ / ₂ NPTF	316 Stainless Steel
16STBF16	2"	2" - 11 BSPP	Steel
16STOF16	2"	2 ¹ / ₂ " - 12 ORB	Steel

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(Female Thread)

ST-SERIES SNAP-TITE 71-SERIES 'OLD STYLE' INTERCHANGE NIPPLE

PART NO	BODY SIZE	THREAD SIZE	BODY MATERIAL
ST8F8-V2	1"	1" - 11 ¹ / ₂ NPTF	Steel
ST8BF8-V2	1"	1" - 11 BSPP	Steel
ST8F10-V2	1"	1 ¹ / ₄ " - 11 ¹ / ₂ NPTF	Steel
ST16F12	2"	1 ¹ / ₂ " - 11 ¹ / ₂ NPTF	Steel
ST16BF12	2"	1 ¹ / ₂ " - 11 BSPP	Steel
ST16OF12	2"	1 ⁷ / ₈ " - 12 ORB	Steel
ST16F16	2"	2" - 11 ¹ / ₂ NPTF	Steel
ST16F16-SS	2"	2" - 11 ¹ / ₂ NPTF	316 Stainless Steel
ST16BF16	2"	2" - 11 BSPP	Steel
ST16OF16	2"	2 ¹ / ₂ " - 12 ORB	Steel