

ST-Series Hydraulic Couplings

Interchange Data:

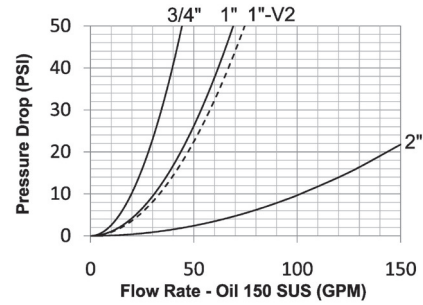
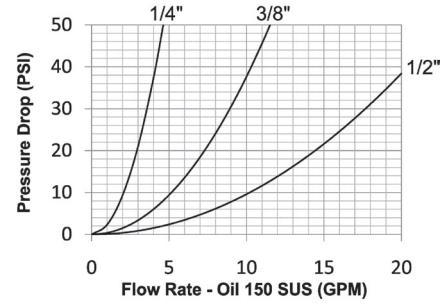
- Interchangeable with Snap-Tite 71-Series

Materials:

- Machined components are manufactured using solid steel or 316 stainless bar stock.
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life.
- Steel componentry is plated using ROHS Compliant Trivalent Chrome.
- Steel coupler sleeves are hardened to resist deformation and maximize 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°F to 250°F (-40°C to 121°C)**
- All couplers and nipples incorporate PTFE anti-extrusion rings to protect the seal components from dynamic impulse damage.



Rated Pressure Chart:

Body Size	ST-Series Snap-Tite 71-Series Interchange							
	Steel Coupler/Plug Coupled				316 Stainless Coupler/Plug Coupled			
	Maximum Working		Burst		Maximum 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:

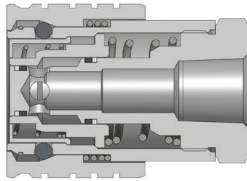
Body Size	Interchange Standards				Functional Parameters				
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Inch HG	Flow ΔP = 22 PSI
1/4"	-	-	-	-	10	0.01cc	0.02cc	N/R	3.1 GPM
3/8"	-	-	-	-	10	0.02cc	0.02cc	N/R	7.7 GPM
1/2"	-	-	-	-	12	0.03cc	0.03cc	N/R	15 GPM
3/4"	-	-	-	-	12	0.04cc	0.06cc	N/R	30 GPM
1"	-	-	-	-	12	0.06cc	0.07cc	N/R	45 GPM
1"-V2	-	-	-	-	12	0.09cc	0.10cc	N/R	50 GPM
2"	-	-	-	-	15	3.14cc	5.25cc	N/R	150 GPM

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.

ST-Series Hydraulic Couplings

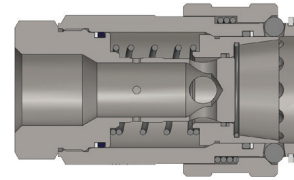
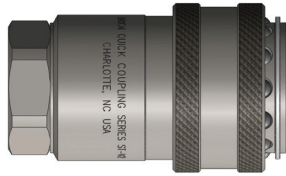
Option Adders:

Body Size	Standard Seal Options				Kalrez® Seal Options			Sleeve	Treatments
	FKM	EPDM	Mil-Nitrile	Fuel Nitrile	4079	6375	7075	Locking	Oxy-Clean
1/4"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
3/8"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
1/2"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
3/4"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
1"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
1"-V2	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1
2"	F-	P-	M-	JF-	K4-	K6-	K7-	-LS	-C1



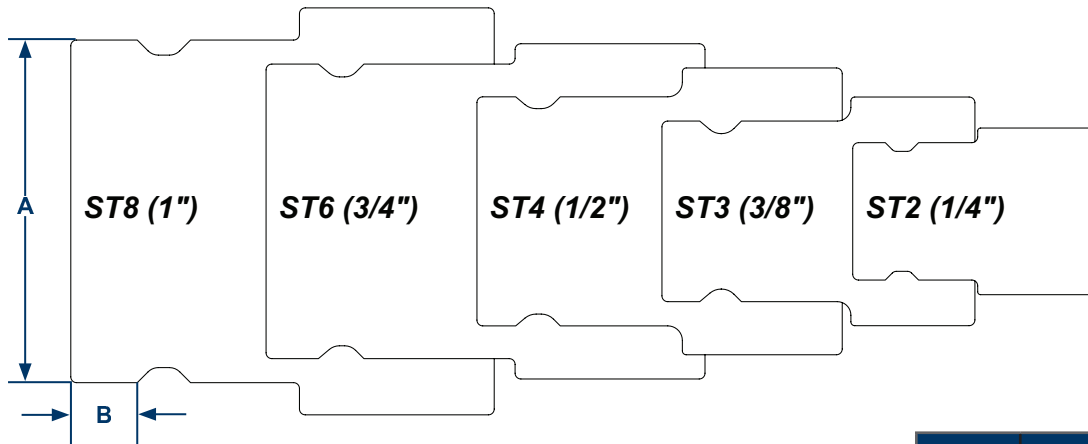
Body Size	ST-Series Snap-Tite 71-Series Interchange Coupler (Female Threads)										
	Part Detail			Length		Maximum OD		Hex Inch	Weight Lb	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm			Bag	Box
1/4"	2STF2	1/4" - 18 NPTF	steel	1.96	49.8	1.23	31.2	15/16"	0.25	5	25
1/4"	2STF2-SS	1/4" - 18 NPTF	316 stainless	1.96	49.8	1.23	31.2	15/16"	0.26	5	25
1/4"	2STBF2	1/4" - 19 BSPP	steel	1.96	49.8	1.23	31.2	15/16"	0.25	5	25
1/4"	2STBF2-SS	1/4" - 19 BSPP	316 stainless	1.96	49.8	1.23	31.2	15/16"	0.26	5	25
3/8"	3STF2	1/4" - 18 NPTF	steel	2.36	59.9	1.60	40.6	1-3/16"	0.38	5	25
3/8"	3STF3	3/8" - 18 NPTF	steel	2.36	59.9	1.60	40.6	1-3/16"	0.37	5	25
3/8"	3STF3-SS	3/8" - 18 NPTF	316 stainless	2.36	59.9	1.60	40.6	1-3/16"	0.38	5	25
3/8"	3STBF3	3/8" - 19 BSPP	steel	2.36	59.9	1.60	40.6	1-3/16"	0.37	5	25
3/8"	3STBF3-SS	3/8" - 19 BSPP	316 stainless	2.36	59.9	1.60	40.6	1-3/16"	0.38	5	25
3/8"	3STF4	1/2" - 14 NPTF	steel	2.36	59.9	1.60	40.6	1-3/16"	0.36	5	25
3/8"	3STF4-SS	1/2" - 14 NPTF	316 stainless	2.36	59.9	1.60	40.6	1-3/16"	0.37	5	25
3/8"	3STBF4	1/2" - 14 BSPP	steel	2.36	59.9	1.60	40.6	1-3/16"	0.36	5	25
3/8"	3STBF4-SS	1/2" - 14 BSPP	316 stainless	2.36	59.9	1.60	40.6	1-3/16"	0.37	5	25
1/2"	4STF4	1/2" - 14 NPTF	steel	2.77	70.4	1.98	50.3	1-1/2"	0.47	-	20
1/2"	4STF4-SS	1/2" - 14 NPTF	316 stainless	2.77	70.4	1.98	50.3	1-1/2"	0.49	-	20
1/2"	4STBF4	1/2" - 14 BSPP	steel	2.77	70.4	1.98	50.3	1-1/2"	0.47	-	20
1/2"	4STBF4-SS	1/2" - 14 BSPP	316 stainless	2.77	70.4	1.98	50.3	1-1/2"	0.49	-	20
1/2"	4STOF4	3/4" - 16 ORB	steel	2.77	70.4	1.98	50.3	1-1/2"	0.49	-	20
3/4"	6STF6	3/4" - 14 NPTF	steel	3.03	77.0	2.35	59.7	1-3/4"	1.98	-	10
3/4"	6STF6-SS	3/4" - 14 NPTF	316 stainless	3.03	77.0	2.35	59.7	1-3/4"	2.05	-	10
3/4"	6STBF6	3/4" - 14 BSPP	steel	3.03	77.0	2.35	59.7	1-3/4"	1.98	-	10
3/4"	6STBF6-SS	3/4" - 14 BSPP	316 stainless	3.03	77.0	2.35	59.7	1-3/4"	2.05	-	10
3/4"	6STOF6	1-1/16" - 12 ORB	steel	3.03	77.0	2.35	59.7	1-3/4"	1.89	-	10
1"	8STF8	1" - 11-1/2 NPTF	steel	3.33	84.6	2.73	69.3	2"	2.78	-	5
1"	8STF8-SS	1" - 11-1/2 NPTF	316 stainless	3.33	84.6	1.55	39.3	2"	2.83	-	5
1"	8STBF8	1" - 11 BSPP	steel	3.33	84.6	2.73	69.3	2"	2.78	-	5
1"	8STBF8-SS	1" - 11 BSPP	316 stainless	3.33	84.6	2.73	69.3	2"	2.83	-	5
1"	8STOF8	1-5/16" - 12 ORB	steel	3.33	84.6	2.73	69.3	2"	2.71	-	5
1"	8STF10	1-1/4" - 11-1/2 NPTF	steel	3.67	93.2	2.73	69.3	2"	2.84	-	5
1"	8STF10-SS	1-1/4" - 11-1/2 NPTF	316 stainless	3.67	93.2	2.73	69.3	2"	2.90	-	5
1"	8STBF10	1-1/4" - 11 BSPP	steel	3.67	93.2	2.73	69.3	2"	2.84	-	5
1"	8STBF10-SS	1-1/4" - 11 BSPP	316 stainless	3.67	93.2	2.73	69.3	2"	2.90	-	5
1"	8STOF10	1-5/8" - 12 ORB	steel	3.67	93.2	2.73	69.3	2"	2.79	-	5

ST-Series Hydraulic Couplings



Body Size	ST-Series Snap-Tite 71-Series 'Old Style' Interchange Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1"	8STF8-V2	1" - 11-1/2 NPTF	steel	4.55	115.6	2.74	69.6	2"	-	5
1"	8STBF8-V2	1" - 11 BSPP	steel	4.55	115.6	2.74	69.6	2"	-	5
1"	8STF10-V2	1-1/4" - 11-1/2 NPTF	steel	4.90	124.5	2.74	69.6	2"	-	5
2"	16STF12	1-1/2" - 11-1/2 NPTF	steel	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STBF12	1-1/2" - 11 BSPP	steel	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STOF12	1-7/8" - 12 ORB	steel	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STF16	2" - 11-1/2 NPTF	steel	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STF16-SS	2" - 11-1/2 NPTF	316 stainless	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STBF16	2" - 11 BSPP	steel	6.20	157.5	4.47	113.5	3.78"	-	1
2"	16STOF16	2-1/2" - 12 ORB	steel	6.20	157.5	4.47	113.5	3.78"	-	1

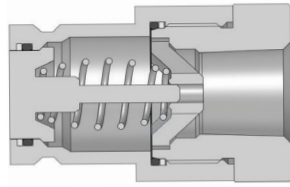
ST Series Profiles



Body Size	A	B
1/4"	11/16	3/16"
3/8"	15/16	3/16"
1/2"	1-3/16	3/16"
3/4"	1-1/2	1/4"
1"	1-3/4	5/16"
St8-V2 1"	1-9/16	13/16"
2"	2-3/4	1-7/16"

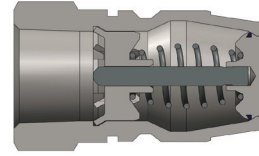
Note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the burst pressure must be divided by four (4) to ensure a 4:1 safety factor during system operation.

ST-Series Hydraulic Couplings



Body Size	ST-Series Snap-Tite 71-Series Interchange Nipple (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	ST2F2	1/4" - 18 NPTF	steel	1.84	46.7	0.90	22.9	13/16"	5	25
1/4"	ST2F2-SS	1/4" - 18 NPTF	316 stainless	1.84	46.7	0.90	22.9	13/16"	5	25
1/4"	ST2BF2	1/4" - 19 BSPP	steel	1.84	46.7	0.90	22.9	13/16"	5	25
1/4"	ST2BF2-SS	1/4" - 19 BSPP	316 stainless	1.84	46.7	0.90	22.9	13/16"	5	25
3/8"	ST3F2	1/4" - 18 NPTF	steel	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3F3	3/8" - 18 NPTF	steel	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3F3-SS	3/8" - 18 NPTF	316 stainless	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3BF3	3/8" - 19 BSPP	steel	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3BF3-SS	3/8" - 19 BSPP	316 stainless	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3F4	1/2" - 14 NPTF	steel	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3F4-SS	1/2" - 14 NPTF	316 stainless	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3BF4	1/2" - 14 BSPP	steel	2.32	58.9	1.48	37.6	1"	5	25
3/8"	ST3BF4-SS	1/2" - 14 BSPP	316 stainless	2.32	58.9	1.48	37.6	1"	5	25
1/2"	ST4F4	1/2" - 14 NPTF	steel	2.37	60.2	1.65	41.9	1-1/2"	-	20
1/2"	ST4F4-SS	1/2" - 14 NPTF	316 stainless	2.37	60.2	1.65	41.9	1-1/2"	-	20
1/2"	ST4BF4	1/2" - 14 BSPP	steel	2.37	60.2	1.65	41.9	1-1/2"	-	20
1/2"	ST4BF4-SS	1/2" - 14 BSPP	316 stainless	2.37	60.2	1.65	41.9	1-1/2"	-	20
1/2"	ST4OF4	3/4" - 16 ORB	steel	2.37	60.2	1.65	41.9	1-1/2"	-	20
3/4"	ST6F6	3/4" - 14 NPTF	steel	2.96	75.2	1.92	48.8	1-3/4"	-	10
3/4"	ST6F6-SS	3/4" - 14 NPTF	316 stainless	2.96	75.2	1.92	48.8	1-3/4"	-	10
3/4"	ST6BF6	3/4" - 14 BSPP	steel	2.96	75.2	1.92	48.8	1-3/4"	-	10
3/4"	ST6BF6-SS	3/4" - 14 BSPP	316 stainless	2.96	75.2	1.92	48.8	1-3/4"	-	10
3/4"	ST6OF6	1-1/16" - 12 ORB	steel	2.96	75.2	1.92	48.8	1-3/4"	-	10
1"	ST8F8	1" - 11-1/2 NPTF	steel	3.22	81.8	2.10	53.3	1-7/8"	-	5
1"	ST8F8-SS	1" - 11-1/2 NPTF	316 stainless	3.22	81.8	2.10	53.3	1-7/8"	-	5
1"	ST8BF8	1" - 11 BSPP	steel	3.22	81.8	2.10	53.3	1-7/8"	-	5
1"	ST8BF8-SS	1" - 11 BSPP	316 stainless	3.22	81.8	2.10	53.3	1-7/8"	-	5
1"	ST8OF8	1-5/16" - 12 ORB	steel	3.22	81.8	2.10	53.3	1-7/8"	-	5
1"	ST8F10	1-1/4" - 11-1/2 NPTF	steel	3.48	88.4	2.20	55.9	2"	-	5
1"	ST8F10-SS	1-1/4" - 11-1/2 NPTF	316 stainless	3.48	88.4	2.20	55.9	2"	-	5
1"	ST8BF10	1-1/4" - 11 BSPP	steel	3.48	88.4	2.20	55.9	2"	-	5
1"	ST8BF10-SS	1-1/4" - 11 BSPP	316 stainless	3.48	88.4	2.20	55.9	2"	-	5
1"	ST8OF10	1-5/8" - 12 ORB	steel	3.48	88.4	2.20	55.9	2"	-	5

ST-Series Hydraulic Couplings



Body Size	ST-Series Snap-Tite 71-Series 'Old Style' Interchange Nipple (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1"	ST8F8-V2	1" - 11-1/2 NPTF	steel	3.26	82.8	1.92	48.8	1-3/4"	-	5
1"	ST8BF8-V2	1" - 11 BSPP	steel	3.26	82.8	1.92	48.8	1-3/4"	-	5
1"	ST8F10-V2	1-1/4" - 11-1/2 NPTF	steel	3.50	88.9	1.98	50.3	2"	-	5
2"	ST16F12	1-1/2" - 11-1/2 NPTF	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16BF12	1-1/2" - 11 BSPP	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16OF12	1-7/8" - 12 ORB	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16F16	2" - 11-1/2 NPTF	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16F16-SS	2" - 11-1/2 NPTF	316 stainless	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16BF16	2" - 11 BSPP	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1
2"	ST16OF16	2-1/2" - 12 ORB	steel	4.50	114.3	3.48	88.4	3-1/4"	-	1

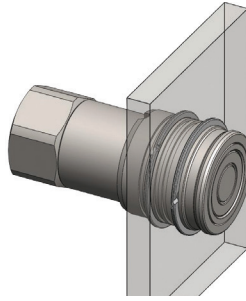


Body Size	ST-Series Coupler Dust Plug				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	2STDP-A	steel cable	aluminum	5	25
3/8"	3STDP-A	steel cable	aluminum	5	25
1/2"	4STDP-A	steel cable	aluminum	5	25
3/4"	6STDP-A	steel cable	aluminum	-	10
1"	8STDP-A	steel cable	aluminum	-	10
1"-V2	8STDP-A-V2	steel cable	aluminum	-	10
2"	16STDP-A	steel cable	aluminum	-	1



Body Size	ST-Series Nipple Dust Cap				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	ST2DC-A	steel cable	aluminum	5	25
3/8"	ST3DC-A	steel cable	aluminum	5	25
1/2"	ST4DC-A	steel cable	aluminum	5	25
3/4"	ST6DC-A	steel cable	aluminum	-	10
1"	ST8DC-A	steel cable	aluminum	-	10
1-1/2"	ST8DC-A-V2	steel cable	aluminum	-	10
2"	ST16DC-A	steel cable	aluminum	-	1

ST-Series Hydraulic Couplings



Body Size	ST-Series Snap-Tite 71-Series Interchange Coupler Bulkhead Kits					
	Part Detail			Bulkhead Kit Contents	Package Qty	
	Part Number	Mounting Hole ID	Ring Material		Bag	Box
1/4"	2ST-BMK	1.250"	steel	two 360° retaining rings	1	25
3/8"	3ST-BMK	1.625"	steel	two 360° retaining rings	1	25
1/2"	4ST-BMK	2.000"	steel	two 360° retaining rings	1	25
3/4"	6ST-BMK	2.375"	steel	two 360° retaining rings	1	25

Body Size	ST-Series Snap-Tite 71-Series Interchange Coupler Seal Kits					
	Part Detail			Seal Kit Contents	Package Qty	
	Part Number	Coupler Style	Seal Material		Bag	Box
1/4"	2ST-SKIT	all	Nitrile	two seals and anti-extrusion rings	1	25
3/8"	3ST-SKIT	all	Nitrile	two seals and anti-extrusion rings	1	25
1/2"	4ST-SKIT	all	Nitrile	two seals and anti-extrusion rings	1	25
3/4"	6ST-SKIT	all	Nitrile	two seals and anti-extrusion rings	1	25
1"	8ST-SKIT	all	Nitrile	two seals and anti-extrusion rings	1	25
1"	8ST-SKIT-V2	all	Nitrile	three seals and two anti-extrusion rings	1	25
2"	16ST-SKIT	all	Nitrile	three seals and two anti-extrusion rings	1	25

Body Size	ST-Series Snap-Tite 71-Series Interchange Nipple Seal Kits					
	Part Detail			Seal Kit Contents	Package Qty	
	Part Number	Coupler Style	Seal Material		Bag	Box
1/4"	ST2-SKIT	all	Nitrile	valve O-ring/back-up and adapter O-ring	1	25
3/8"	ST3-SKIT	all	Nitrile	valve O-ring/back-up and adapter O-ring	1	25
1/2"	ST4-SKIT	all	Nitrile	valve O-ring/back-up and adapter O-ring	1	25
3/4"	ST6-SKIT	all	Nitrile	valve O-ring/back-up and adapter O-ring	1	25
1"	ST8-SKIT	all	Nitrile	valve O-ring/back-up and adapter O-ring	1	25
2"	ST16-SKIT	all	Nitrile	main valve seal	1	25