

# Snap-tite Quick Disconnect Couplings

## 61 Series – ISO A Interchange

Snap-tite's 61 Series is designed to conform to the dimensional and performance requirements of ISO 7241-1 Series A, which details the testing, performance and dimensions of the nipple. This is to enable interchangeability with couplings produced by other manufacturers who meet the same standard. Snap-tite's 61 Series features superior working pressures, flow characteristics and safety factors, making the 61 Series the premier ISO Series A interchange.

- Interchangeable with other manufacturers offering ISO Series A couplings
- Dimensional & performance requirements conform to ISO 7241-1 Series A 4:1 Safety Factor
- Proven ball-lock mechanism provides positive connection Poppet style shut-off
- High-strength steel construction
- Zinc Trivalent Chromate plating= for corrosion resistance
- Choice of seal materials to handle a variety of fluids
- Sizes 1/4" – 1"



Pressure Ratings						
Size	Maximum Working		Minimum Burst		Maximum Connect By Hand	
	Bar	PSI	Bar	PSI	Bar	PSI
1/4"	317	4600	1269	18400	10	150
3/8"	317	4600	1269	18400	10	150
1/2"	276	4000	1103	16000	7	100
3/4"	276	4000	1103	16000	3	50
1"	207	3000	828	12000	3	40

## 72 Series – ISO Series B Interchange

Snap-tite's 72 Series is designed to meet or exceed ISO 7241-1 Series B. This ISO specification stipulates the test specification of the couplings and the dimensions of the nipple so the couplings will interchange with those of other manufacturers meeting this same specification. Snap-tite's 72 Series features superior pressure and flow characteristics over the other manufacturers making the 72 Series the premier ISO Industrial Interchange.

- Sizes 1/8" – 1"
- Yellow Zinc Chromate plated steel, stainless steel (303 & 316) and brass are standard
- Wide choice of seal materials to handle a variety of fluids
- Proven ball-lock mechanism provides positive connection
- Poppet style double shut-off
- Industry interchangeability – couplers (sockets) and nipples (plugs) are interchangeable with other manufacturers offering ISO Series B couplings



Size	Steel				Stainless Steel				Brass			
	Maximum Working		Minimum Burst		Maximum Working		Minimum Burst		Maximum Working		Minimum Burst	
	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI
1/8"	345	5000	1380	20000	280	4000	1105	16000	210	3000	830	12000
1/4"	520	7500	2070	30000	380	5500	1520	22000	260	3750	1035	15000
3/8"	345	5000	1380	20000	260	3750	1035	15000	190	2750	760	11000
1/2"	345	5000	1380	20000	260	3750	1035	15000	210	3000	830	12000
3/4"	280	4000	1105	16000	210	3000	830	12000	155	2200	610	8800
1"	280	4000	1105	16000	210	3000	830	12000	105	1500	415	6000

## H, IH and PH Series – Couplings for Hydraulic, Pneumatic and General Purpose Use

H Series quick disconnects have been proven by years of use on hydraulic-pneumatic applications and in the handling of many gases and fluids. The H Series fully engineered design meets or exceeds MIL-C-51234 and provides superior flow characteristics with built-in reliability.

PH Option — Has the same advantages built into the H Series with the addition of an instant, automatic bleed-off valve built into the valve for fast, easy connection of hydraulic lines and for other applications that call for periodic connection against trapped static hydraulic pressure. The PH option can be placed in either the valve coupler or the valve nipple and are completely interchangeable with the H Series coupler or nipple. The PH option has successfully been field tested in connecting against static pressures up to 3000 PSI (210 Bar). Available in steel, Trivalent plated, in sizes 3/8", 1/2", 3/4" and 1". IH Option — The IH Series is identical to the H Series except for the valve which was designed specifically for durability when used in pneumatic systems using reciprocating, pulsating and rotary motion air tools. Cylindrical construction of the IH valve provides 360° contact with the plain H Series nipple. This permits repeated cycling while enabling efficient operation and long life. Available in steel, Trivalent plated in sizes 1/4", 3/8", 1/2" and 3/4".



Working Pressures																
Quick disconnect size	Valve & Valve (Double Shut-off) Valve & Plain (Single Shut-off)								Plain & Plain (No Shut-off)							
	Steel		Aluminum		Brass		Stainless Steel		Steel		Aluminum		Brass		Stainless Steel	
	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI
1/4"	448	6500	155	2250	155	2250	345	5000	759	11000	276	4000	276	4000	690	10000
3/8"	310	4500	155	2250	155	2250	276	400	759	11000	276	4000	276	4000	552	8000
1/2"	276	4000	121	1750	138	2000	259	3750	759	11000	276	4000	276	4000	552	8000
3/4"	241	3500	121	1750	121	2000	138	2000	621	9000	241	3500	241	3500	483	7000
1"	138	2000	103	1500	121	1750	138	2000	414	6000	207	3000	207	3000	276	4000
1 1/4"	121	1750	26	375	24	350	103	1500	345	5000	69	1000	69	1000	207	3000
1 1/2"	103	1500	26	375	24	350	103	1500	345	5000	69	1000	69	1000	207	3000
2"	103	1500	21	300	28	400	34	500	276	4000	52	750	52	750	69	1000
2 1/2"	69	1000	21	300	28	400	28	400	69	1000	21	400	21	400	28	400
3"	52	750	14	200	14	200	28	400	52	750	14	200	14	200	28	400
4"	34	500	10	150	10	150	21	300	34	500	10	150	10	150	21	300

## 75 Series – Thread-to-Connect Couplings

The very rugged 75 Series is designed and constructed for high-pressure hydraulic service. Although these couplings are used in a broad variety of heavy-duty applications, a primary usage is in oilfields and offshore drilling ... cranes, power tongs and swivels, diving, etc.

- Connect under pressure – Designed for up to 5000 PSI (345 Bar) operating pressures.
- Thread-to-Connect – To connect, merely thread the nipple into the coupler. To disconnect just unthread.
- Rugged – Steel construction, with Zinc Trivalent Chromate plating= to resist corrosion.
- Stainless steel construction also available.
- Seals – Choice of seal materials to handle a variety of fluids including applications involving the use of fire-resistant hydraulic fluids.
- Available sizes – 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", and 4".
- DBP version is "Fire Safe" rated to API 16D and certified to EUB Directive #36 (#NAO 0701023) for use on drilling blowout prevention circuits (BOPs).



Size	Spillage (cc)	Air Inclusion (cc)	Pressure Ratings			
			Maximum Working*		Minimum Burst	
			Bar	PSI	Bar	PSI
3/4"	8	12	345	5000	1379	20000
1"	16	25	345	5000	1379	20000
1-1/4"	31	48	345	5000	1035	15000
1-1/2"	64	98	345	5000	1035	15000
2"	141	205	345	5000	1035	15000
2-1/2"	204	368	207	3000	414	6000
3"	320	480	207	3000	414	6000
4"	400	610	28	400	69	1000

## 78 Series – Thread-to-Connect Couplings

Snap-tite heavy duty 78 Series Thread-to-Connect Couplings are designed for most industrial fluid applications plus they are ideal for coal trucks, oil well equipment, hydraulic dump trucks, sand and salt spreaders requiring a rugged coupling. The 78 series dry break features minimal spillage and air inclusion. The couplings connect under pressure. For bulkhead mounting, a steel flange is available. The 78 Series offers up to 3000 PSI (207 Bar) operating pressure in both the connected and disconnected positions.

- Interchangeable with Aeroquip 5100 Series and Parker 6100 Series
- Heavy-duty wing nut or hex nut for easy connection of threaded units
- 3000 PSI (207 Bar) operating pressure
- 4500 PSI (310 Bar) proof pressure
- Sizes 3/4", 3/4" x 1/2", 1", 1-1/4" and 1-1/2"



Operating Pressure Brass			Air Inclusion cc Maximum	Spillage cc Maximum
Size	Bar	PSI		
3/4"	207	3000	.30	.15
1"	207	3000	.40	.40
1 1/4"	190	2750	.65	.65
1 1/2"	172	2500	.80	.85