

## SnapTite Schnellkupplungen – Typ 71

### 71 Series



The 71 Series couplings are designed for today's applications including special features for modern needs - dry break, push-to-connect, high pressure, rugged and versatile. Extra large flow chambers and Snap-Tite's exclusive valve design permit exceptional flow while maintaining low pressure drop.

#### 71 Series Dry Break, Non-Spill Couplings

Flush face, Dry Break, General Purpose, Hydraulic Couplings

#### Features

- **Flush Face/Dry Break** spillage and system contamination are held to a minimum with flush face valve
- **Push-to-Connect** Ideal one-hand operation when one half is mounted. Sleeve retracts to disconnect
- **Rugged Unit** Heavy duty construction ideally suited for tough applications
- **Pressure Capability** Designed for operating pressures up to 10,000 PSI (690 bar)
- **Versatile Construction** Available in Plated Steel, Stainless Steel & high pressure Stainless Steel
- **Range of Sizes** 1/8" thru 2" sizes are available
- Superior flow and low pressure drop
- **Det Norske Veritas (DNV) Certified**
- Autoclave cone & threaded fittings are available
- **Sleeve Lock Feature** This optional feature protects against accidental disconnection

#### Benefits

Snap-Tite's 71 Series quick disconnect product line offers customers an economical flush face, dry break coupling capable of operating at pressures to 10,000 PSI (690 bar). Special seals are available to handle troublesome media as well as optional Autoclave Engineers cone and threaded end fittings for high pressure applications. The 71 Series is ideal for test stands and other hydraulic and chemical applications where endurance and cleanliness are requirements.

### Pressure Ratings

Size (Ins)	Spillage (CC)	Air Inclusion (CC)	STEEL				316 STAINLESS STEEL				HIGH PRESSURE STAINLESS STEEL			
			Max. Working		Min Burst*		Max. Working		Min Burst*		Max. Working		Min Burst*	
			PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar
1/8"	.12	.02	10,000	689	22,000	1517	N/A		N/A		N/A		N/A	
1/4"	.02	.01	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/8" x 1/2" (1)	.02	.02	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/8" x 1/2" (2)	.02	.02	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
1/2"	.03	.03	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/4"	.06	.04	7,500	517	15,000	1034	5,000	344	12,500	862	7,500	517	15,000	1034
1"	.10	.06	7,500	517	15,000	1034	4,000	275	10,000	689	7,500	517	15,000	1034
1" x 1 1/4" (3)	.10	.06	7,500	517	15,000	1034	4,000	275	10,000	689	7,500	517	15,000	1034
2" x 1 1/2" (4)	5.25	30.50	5,000	344	10,000	689	3,000	206	6,000	413	5,000	344	10,000	689
2"	5.25	30.50	5,000	344	10,000	689	3,000	206	6,000	413	5,000	344	10,000	689

- (1) Unit is 3/8" with 1/4" end fitting.  
(2) Unit is 3/8" with 1/2" end fitting.  
(3) 1" Unit with 1/4" end fitting.  
(4) 2" Unit with 1/2" end fitting.

**NOTE:\***  
Pressure Ratings were established under static pressure conditions. For high impulse applications, multiply the above pressure ratings by .6 for

approximate pressure ratings.

\*\* For Det Norske Veritas (DNV) compliance, divide the burst pressure by 4 for the maximum working pressure.

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#### How to Order

PART NUMBER	71-3	C	4-	4	RP	OPTIONS	
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seals	Options
No Letter	71-3	C	2 = 1/8"	2 = 1/8"	RP	Standard	SL
=	=	=	4 = 1/4"	4 = 1/4"	=	=	=
Plated Steel	1/4" thru 1/4"	Coupler	6 = 3/8"	6 = 3/8"	Female British	Buna	Sleeve Lock
S	71-1	N	8 = 1/2"	8 = 1/2"	Parallel	V	
=	=	=	12 = 3/4"	12 = 3/4"	F	=	
Stainless Steel	1 1/2" & 2"	Nipple	16 = 1"	16 = 1"	=	Viton	
SH			32 = 2"	20 = 1 1/4"	Female NPT	E	
=				24 = 1 1/2"	M	=	
High Pressure				32 = 2"	=	Ethylene	
Stainless Steel					Male NPT		

PLASTIC DUST CAP		
Size	Coupler Dust Cap	Nipple Dust Cap
1/4"	71-3PCC-4	71-3PNC-4
3/8"	71-3PCC-6	71-3PNC-6
1/2"	71-3PCC-8	71-3PNC-8
3/4"	71-3PCC-12	71-3PNC-12
1"	71-3PCC-16	71-3PNC-16