

Snaptite Schnellkupplungen – H Serie

H Series



Snap-Tite's H Series Quick Disconnect has been proven by years of use on hydraulic and pneumatic applications and in handling of many gases and fluids. The H Series coupling's fully engineered design meets or exceeds MIL-C-51234 and provides superior flow characteristics with built in reliability. Options are available for static pressure hydraulic systems and also for pneumatic air tool use.

H Series General Purpose Poppet Coupling

General Purpose Quick Coupler for Hydraulics, Pneumatic, Gases & Chemicals

Features

- **Construction** - Available in Brass, Aluminium, Plated Steel and 316 Stainless Steel
- **Sizes** - 1/8" thru 4"
- **Seal Versatility** - Wide choice of standard and special seal materials for a wide variety of media
- **Positive Sealing when Connected** - Two sealing methods available based on application parameters

- **Dependable Operation** - Ball locking mechanism for positive connection
- **Low Pressure Drop** - Valve design and positive valve positioning maintain clean linear flow
- **Det Norske Veritas (DNV) Approved**
- **Valve Configurations** - Available with double or single shut-off valve or straight through
- **Pressure Ratings** - For use in working pressures to 11,000 PSI (759 bar)
- **End Fitting Versatility** - Two piece body construction allows for many end fitting options

Benefits

Applications include general hydraulic systems, plastic molding, machine tool, test equipment, agricultural, Departments of Transportation, and other mobile hydraulics. The IH option is available for reciprocating, pulsating and rotary motion air tools while the PH option is available for connection against static hydraulic pressure.

Working Pressures*

Quick Disconnect Size	VALVE & VALVE (Double Shut-off) VALVE & PLAIN (Single Shut-off)								PLAIN & PLAIN (No Shut-off)							
	STEEL		ALUMINIUM		BRASS		STAINLESS STEEL		STEEL		ALUMINIUM		BRASS		STAINLESS STEEL	
	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar
1/4"	6500	448	2250	155	2250	155	5000	345	11000	759	4000	276	4000	276	10000	690
3/8"	4500	310	2250	155	2250	155	4000	276	11000	759	4000	276	4000	276	8000	552
1/2"	4000	276	1750	121	2000	138	3750	259	11000	759	4000	276	4000	276	8000	552
3/4"	3500	241	1750	121	2000	138	2000	138	9000	621	3500	241	3500	241	7000	483
1"	2000	138	1500	103	1750	121	2000	138	6000	414	3000	207	3000	207	4000	276
1 1/4"	1750	121	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
1 1/2"	1500	103	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
2"	1500	103	300	21	400	28	500	34	4000	276	750	52	750	52	1000	69
2 1/2"	1000	69	300	21	400	28	400	28	1000	69	300	21	400	28	400	28
3"	750	52	200	14	200	14	400	28	750	52	200	14	200	14	400	28
4"	500	34	150	10	150	10	300	21	500	34	150	10	150	10	300	21

NOTE:

Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge, and/or vibration may vary from these ratings.

Pressure and Flow Data

Pressure ratings of standard quick disconnects can be increased for some applications by slight design modifications or if specific operating conditions are met. On applications requiring

higher ratings than those listed or pressure surges, please consult our Sales Office.

Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. (Proof pressure equals

1/2 times the working pressure; burst pressure equals 2 times working pressure.)

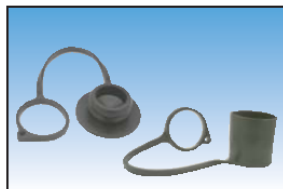
* For Det Norske Veritas (DNV) compliance, divide the working pressures shown by 2.

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How to Order

PART NUMBER B	V	H	C	4-	4	RP	OPTIONS		
Material	Body Type	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Optional Seal	Seals	Options
No Letter	V	H	C	4 = 1/4"	2 = 1/8"	RP	-9	Standard	SL
=	=		=	6 = 3/8"	4 = 1/4"	=	=	=	=
Plated Steel	Valve		Coupler	8 = 1/2"	6 = 3/8"	Female British	O-Ring and	Buna	Sleeve Lock
A	P		N	12 = 3/4"	8 = 1/2"	Parallel	Teflon back-up	V	
=	=		=	16 = 1"	10 = 3/4"	F	Ring for Steel	=	
Aluminium	Plain		Nipple	20 = 1 1/4"	12 = 3/4"	=	and Stainless	Viton	
B	(without			24 = 1 1/2"	16 = 1"	Female NPT	Steel only	E	
=	valve)			32 = 2"	20 = 1 1/4"	M		=	
Brass				40 = 2 1/2"	24 = 1 1/2"	=		Ethylene	
S				48 = 3"	32 = 2"	Male NPT			
=				64 = 4"	40 = 2 1/2"				
Stainless Steel					48 = 3"				
316					64 = 4"				



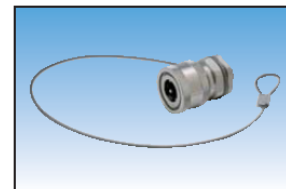
Plastic Caps and Plugs

- Inexpensive means to protect your investment against contamination and damage.
- Comes with a loop to fit over pipe fitting or affixing to equipment with sheet metal screw.
- Available in sizes 1/4" thru 1".



Aluminium Dust Caps and Plugs

- Alternative method to protect your equipment. Aluminium dust caps and plugs are available in sizes 1/4" thru 3".
- The 1/4" thru 3/4" sizes come with 10" Chrome Plated Brass bead chain.
- 1" and above come with Steel Zinc Plated sash chain.



Pressure Caps

- Pressure-tight pressure caps for nipples are standard in Steel, Zinc Yellow Dichromate Plated.
- Other materials such as Brass, Aluminium and Stainless Steel available on special order.
- Sizes available 1/4" thru 3".
- Sizes 1/4" thru 3/4" come with 10" length of corrosion resistant Steel cable.
- Sizes 1" thru 3" come with 12" of cable.
- All with adjustable loop at end of cable.

SIZES	PLASTIC PLUG	PLASTIC CAP	ALUMINIUM PLUG	ALUMINIUM CAP	PRESSURE CAP
1/4"	PDP-4	PDC-4	AMPH-4	ADCH-4	MCH-4
3/8"	PDP-6	PDC-6	AMPH-6	ADCH-6	MCH-6
1/2"	PDP-8	PDC-8	AMPH-8	ADCH-8	MCH-8
3/4"	PDP-12	PDC-12	AMPH-12	ADCH-12	MCH-12
1"	PDP-16	PDC-16	AMPH-16	ADCH-16	MCH-16
1 1/4"			AMPH-20	ADCH-20	MCH-20
1 1/2"			AMPH-24	ADCH-24	MCH-24
2"			AMPH-32	ADCH-32	MCH-32
2 1/2"			AMPH-40	ADCH-40	MCH-40
3"			AMPH-48	ADCH-48	MCH-48