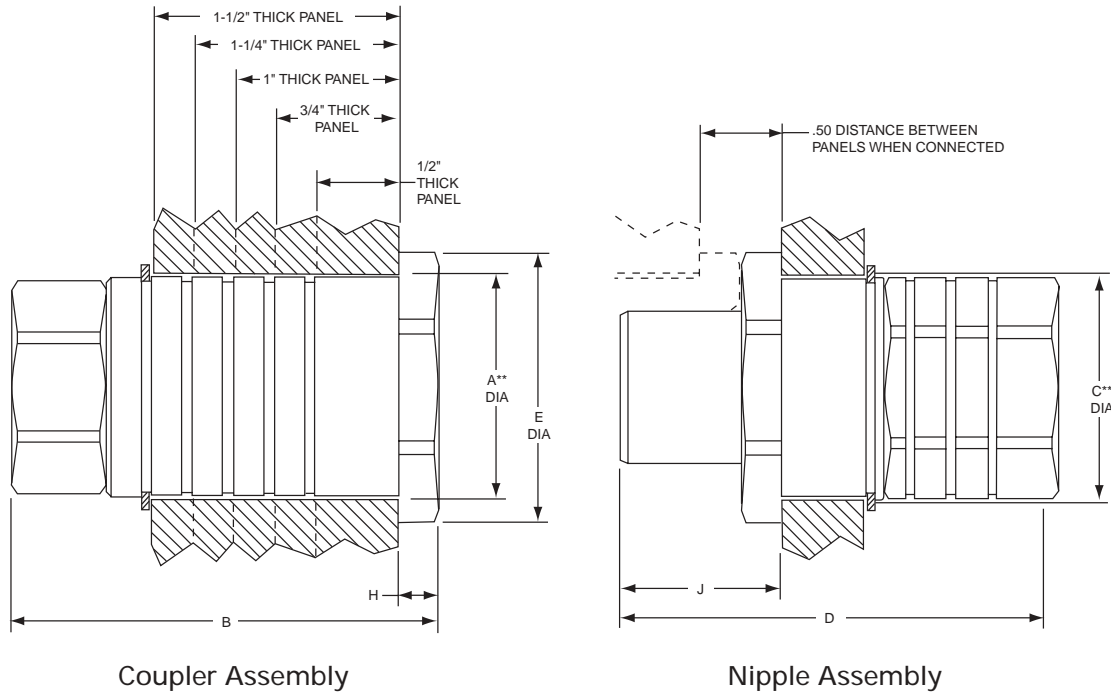


HN-3 SERIES

Panel Mount Couplings 1/8" - 2" Sizes



**Recommended hole size.

Snap-tite
COMPONENTS, INC.

Quick Disconnect & Valve Division
201 Titusville Road
Union City, PA 16438-8699 USA
PH: 814-438-3821 FAX: 814-438-3069
e-mail: qd&v_sales@snap-tite.com
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Snap-tite
EUROPE, B.V.

Industrial Estate
Whitemill - Wexford
Republic of Ireland
PH: 353-53-41566 FAX: 353-53-41582
e-mail: ste_sales@snap-tite.com
www.snap-tite.com

ISO-9001 Certified

Unit Size	A Dia +/- .005		B +/- .03		C Dia +/- .005		D +/- .03		E Dia		H		J	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1/8"	.906	23.01	2.13	54.10	.906	23.01	2.36	59.94	1.03	26.16	.24	6.10	.82	20.83
1/4"	1.063	27.00	2.05	52.07	1.063	27.00	2.38	60.45	1.18	29.97	.24	6.10	.88	22.35
3/8"	1.375	34.93	2.60	66.04	1.375	34.93	2.57	65.28	1.65	41.91	.24	6.10	.98	24.89
1/2"	1.750	44.45	3.09	78.49	1.750	44.45	2.88	73.15	1.98	50.29	.24	6.10	1.30	33.02
3/4"	2.015	51.18	3.34	84.84	2.015	51.18	2.96	75.18	2.34	59.43	.24	6.10	1.43	36.32
1"	2.375	60.33	3.53	89.66	2.125	53.98	3.23	82.04	2.62	66.54	.24	6.10	1.42	36.07
2"	3.875	98.43	6.20	157.48	3.000	76.20	5.38	136.65	4.50	114.30	.24	6.10	3.37	85.60

Contact factory for verification of dimensions prior to any machining.

HN-3 SERIES

How to Order

Part Number Example: HN-3N2-4F

Material ¹	Series	Coupling Half	Coupling Size	End Fitting Size	Type of ¹ End Fitting	Seal ¹ Material
High strength steel-no letter designation required S Stainless steel SH High pressure stainless steel	HN-3	C Coupler N Nipple	2 - 1/8" 4 - 1/4" 6 - 3/8" 8 - 1/2" 12 - 3/4" 16 - 1" 32 - 2"	2 - 1/8" 4 - 1/4" 6 - 3/8" 8 - 1/2" 12 - 3/4" 16 - 1" 20 - 1-1/4" 24 - 1-1/2" 32 - 2"	F Female NPSF ² RP Female British Parallel BS2779 EF Female SAE O'Ring Boss	** Nitrile (AMS3215) V Viton (MIL-R-25897) JF Nitrile (MIL-P-5315) M Nitrile (MIL-P-25732) E Ethylene Propylene AS Aflas K Kalrez **Standard seal-No letter designation required.

¹For other end fittings and seal or coupling materials, consult the factory. ²NPSF Female straight pipe thread on sizes to 1" taper pipe on sizes above 1".

Pressure Ratings psi (bar)

Size (inches)	Steel		316 Stainless Steel		High Pressure Stainless Steel	
	Max. Working	Min. Burst	Max. Working	Min. Burst	Max. Working	Min. Burst
1/8	10000 (689)	22000 (1517)	N/A	N/A	N/A	N/A
1/4	10000 (689)	20000 (1379)	5000 (344)	12500 (862)	10000 (689)	20000 (1379)
3/8	10000 (689)	20000 (1379)	5000 (344)	12500 (862)	10000 (689)	20000 (1379)
1/2	10000 (689)	20000 (1379)	5000 (344)	12500 (862)	10000 (689)	20000 (1379)
3/4	7500 (517)	15000 (1034)	5000 (344)	12500 (862)	7500 (517)	15000 (1034)
1	7500 (517)	15000 (1034)	4000 (275)	10000 (689)	7500 (517)	15000 (1034)
1 x 1-1/4	7500 (517)	15000 (1034)	4000 (275)	10000 (689)	7500 (517)	15000 (1034)
2 x 1-1/2	5000 (344)	10000 (689)	3000 (206)	6000 (413)	5000 (344)	10000 (689)
2	5000 (344)	10000 (689)	3000 (206)	6000 (413)	5000 (344)	10000 (689)

Burst pressures listed were taken at the point at which failure rendered the quick-disconnect inoperative. (Proof pressure equals 1-1/2 times operating pressure.)

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

Air Inclusion on Connect, Spillage on Disconnect

Size (inches)	Spillage (cc)	Inclusion (cc)
1/8	.12	.02
1/4	.02	.01
3/8	.02	.02
1/2	.03	.03
3/4	.06	.04
1	.10	.06
1 x 1-1/4	.10	.06
2 x 1-1/2	5.25	30.50
2	5.25	30.50

Note: Air inclusion at 0 psi internal pressure. Spillage at 15 psi (1 bar) internal pressure.

Separation Forces at 1000 psi (69 bar)

Size (inches)	Forces in Pounds (kilograms)
1/8	195 (88)
1/4	152 (69)
3/8	270 (122)
1/2	460 (208)
3/4	970 (440)
1	2250 (1020)
2	6000 (2721)

Maximum Recommended Connect/Disconnect Pressure

0 psi