

CANDU NUCLEAR

NT82 Quick Couplings



Serving the CANDU Nuclear Community Worldwide

Thorburn Flex Inc



www.thorburnflex.com

High Quality Custom Flexible Piping Systems

Thorburn Flex offers unmatched capabilities and expertise in applications engineering, design development and manufacture of custom flexible piping systems for CANDU nuclear power plants. Operating under a strategy of global presence, Thorburn Flex has structured and developed a specific CANDU business unit used to service this niche market sector. Through this CANDU business unit, our nuclear products consistently meet and exceed all quality design requirements of our CANDU nuclear reactor business partners.



NT82 - Straight Through Series Quick Disconnect Coupling

Product Description:

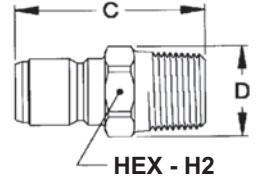
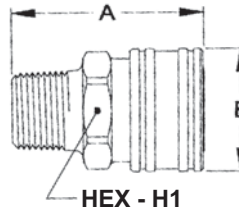
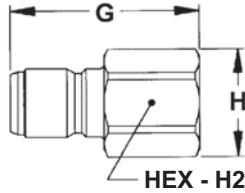
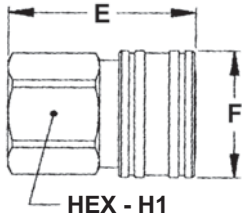
- Available in sizes 1/4" to 2".
- Proven ball-lock mechanism provides positive connections.
- Sockets and plugs interchangeable with other manufacturers such as Hansen ST Straight-Through Series
- Thorburn's NT82 series can be designed, manufactured and registered to ASME B31.1, and ASME Section III, class I, II or III services.
- Standard Material
 - Brass (ASTM B16/B21)
 - 316 Stainless Steel



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NT82 Series Technical Data

Dimensional Information

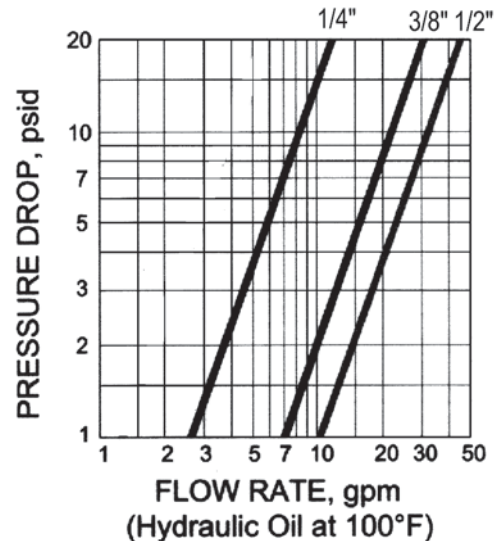
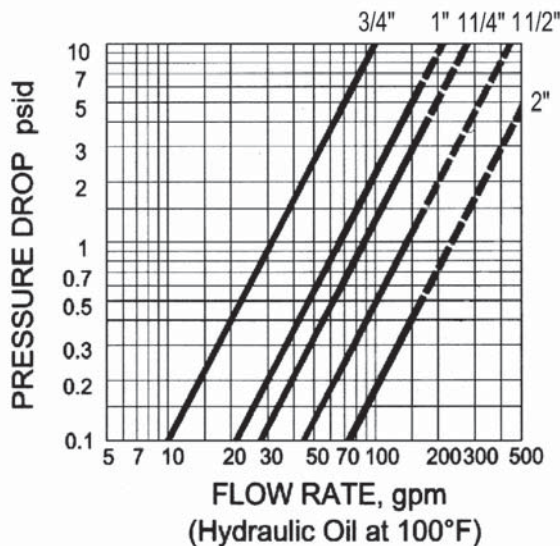


SIZE	COUPLER			PLUG				PRESSURE RATING (PSI)			
	A	B	H	MPT		FPT		BRASS		SS 316	
				C	H1	D	H2	DESIGN	PROOF	DESIGN	PROOF
1/4	1.50	0.94	0.81	1.50	0.62	0.65	0.68	3700	16650	4000	18000
3/8	1.59	1.13	1.00	1.63	0.68	1.69	0.81	1950	8775	3500	15750
1/2	1.92	1.30	1.12	1.88	0.88	2.03	1	1600	7200	2000	9000
3/4	2.06	1.63	1.50	2.00	1.12	2.25	1.12	1250	5625	1250	5625
1	2.33	1.99	1.75	2.18	1.38	2.53	1.62	1000	4500	1200	5625
1 1/4	2.44	2.50	2.00	2.34	1.75	2.72	2	1000	4500	1000	4500
1 1/2	2.88	3.12	2.62	2.88	2.25	3.31	2.25	1000	4500	1000	4500
2	3.08	3.74	3.00	3.25	2.75	3.50	2.75	1000	4500	1000	4500

Note: Proof pressures listed were taken at the point at which failure made the coupling inoperative. Burst pressure is 5 times design.

WARNING: Over-pressurization could result in a sudden failure of the coupling, causing severe bodily injury or death. Be sure to select the proper coupling for your application and use it only within the specified service pressure range.

Flow Charts





AMERICAS

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CRN for all Canadian Provinces



N285.0 | B51



ASME "U" Stamp (Registered)



B31.1 | B31.3



ISO 9001: 2008



ASME "NPT" Stamp (In Progress)



*Over 50 Years of Flexible Piping Experience
Waiting To Serve You...*