OPW Engineered Systems
PART OF OPW FLUID TRANSFER GROUP
A DOVER COMPANY

■ PIPE, TUBING, AND HOSE COUPLING SEALING SOLUTIONS
■ PROCESS PIGGING
■ PRODUCT RECOVERY TECHNOLOGIES

HILTAP FITTINGS LTD.

HT-C5 SERIES

Cryogenic series
hose Couplings/Unions

The freeze plug safety connector standard

Description

The HT-C5 Series are medium pressure and low temperature bulkhead couplings specially designed for leak proof operation with cryogenic liquids (LN2, LOX, LH2) and gaseous service. The reusable sealing components are made of different metals having their own unique hardness and thermal properties, so as to further enhance the seal as temperature changes are encountered. As the internal components contract due to low temperature, a compensation disk maintains sufficient force on the seals to prevent leakage. The safety ring ensures the safe venting of any residual pressure.

Features

- Designed for use with liquids or gasses from ambient to cryogenic.
- Leak rates (when connected) <1x10-9 std. cc's of He/S.
- Repeatedly reusable low temperature metal to metal seal.
- Unique automatic safety feature vents residual pressure prior to complete uncoupling.
- Only light torque required when tightening by hand or wrench to operating pressure.
- Compact and available in any combination of threaded, butt weld or socket weld to reduce installation cost.
- Easily disconnected at cryogenic temperatures.
- Little or no frost balling
- Quality assurance to ISO 9001-2000
- Material traceability available
- 1000 psi working pressures
- Canadian CRN's exist

Patented, other patents pending

Please consult our website or catalogue for engineering specifications relating to your application.

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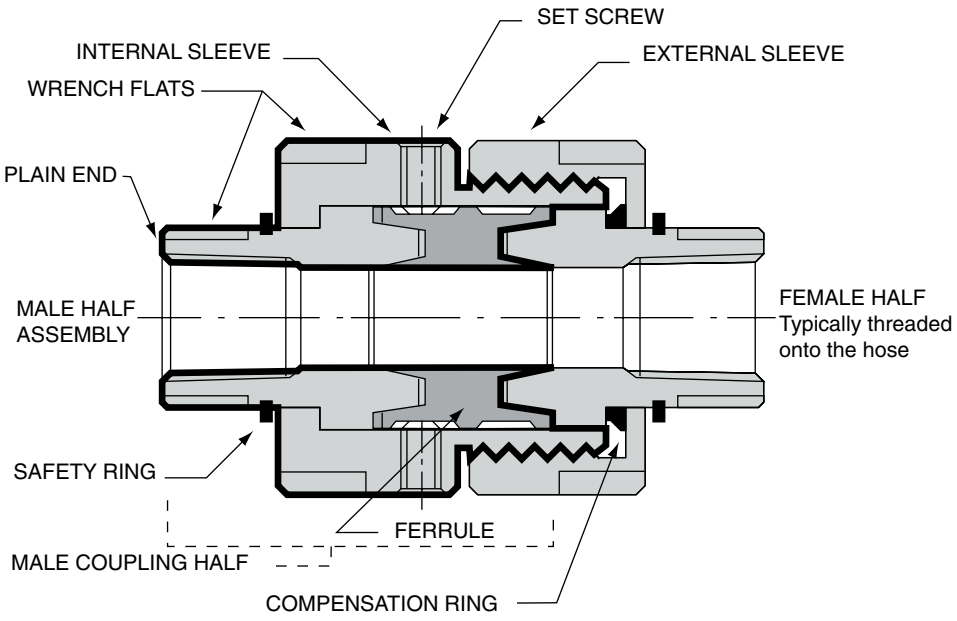

Size

Inch	mm
0.250	6.3
0.375	9.5
0.500	12.7
0.750	19.0
1.000	25.4
1.500	38.1

Working pressure psi

Socket Thread Butt
Please contact Hiltap for ratings

Outside diameter

Inch	mm	
1.36	34.5	Please contact Hiltap for ratings
1.50	38.1	
1.80	45.7	
2.00	50.8	
2.50	63.5	
3.75	95.2	

Anodized colors

Blue	Standard
Red	Special order
Gold	Special order
Purple	Special order
Green	Special order
Clear coat	Special order

Materials Available

- Aluminum 6061T6
- 316L Stainless Steel
- 304L Stainless Steel
- A479 Gr. 316
- A479 Gr 304L
- B221 6061T6

Dust caps part number

- DC dust cap fits over male coupling half
- DP dust plug fits in to female half

Order Information *HTC5 - 02 - 11*

Size			*Male*		*Female*
1/4"	**02**	- 0.25 inches (6.3 mm)	**1**	Internally threaded	
3/8"	**03**	- 0.375 inches (99.5 mm)	***2**	Externally threaded	
1/2"	**05**	- 0.50 inches (12.7 mm)	**3**	Butt weld	
3/4"	**07**	- 0.75 inches (19.0 mm)	***4**	Socket weld male	
1"	**10**	- 1.00 inches (25.4 mm)	**5**	Socket weld female	
1 1/2"	**15**	- 1.50 inches (38.1 mm)	**6**	Hose barbed	
2"	**20**	- 2.0 inches (50.8 mm)	**7**	BSP internally threaded	

*Special order

Note: Other materials, sizes, and pressure ratings are available. Dust caps are available for both coupling halves

Safe, Environmentally friendly, Quality products.
Patented, Patents pending.
1-800-661-6150 Toll-free U.S. only
(403) 250-2986 Canada **(403) 291-3592** Fax
www.hiltap.com

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