V-Series Snap-Tite 'H/IH' Interchange

- V-Series couplers and nipples are fully interchangeable to the parameters outlined in MIL-C-51234.
- Couplers have a high concentration of locking balls to reduce incidents of brinneling during operation.
- Large diameter heavy duty knurled sleeves are designed to resist brinneling and maximize performance under impulse conditions.
- Available in single shut-off, double shut-off, or straight through configurations with a wide selection of end connections.

Performance Specifications	Valved Operating Bar (PSI)	Unvalved Operating Bar (PSI)	Flow Rate ΔP=1.5 Bar	Locking Mechanism
1/4" steel	448 (6,500)	759 (11,000)	17 LPM (4.5 GPM)	6 Balls
3/8" steel	310 (4,500)	759 (11,000)	24.6 LPM (6.5 GPM)	6 Balls
1/2" steel	276 (4,000)	759 (11,000)	64 LPM (17 GPM)	9 Balls
3/4" steel	241 (3,500)	621 (9,000)	132 LPM (35 GPM)	9 Balls
1" steel	138 (2,000)	414 (6,000)	163 LPM (43 GPM)	12 Balls
1-1/4" steel	121 (1,750)	345 (5,000)	265 LPM (70 GPM)	12 Balls
1-1/2" steel	103 (1,500)	345 (5,000)	405 LPM (107 GPM)	12 Balls
2" steel	103 (1,500)	276 (4,000)	738 LPM (195 GPM)	12 Balls
1/4" brass	155 (2,250)	280 (4,000)	17 LPM (4.5 GPM)	6 Balls
3/8" brass	155 (2,250)	280 (4,000)	24.6 LPM (6.5 GPM)	6 Balls
1/2" brass	140 (2,000)	280 (4,000)	64 LPM (17 GPM)	9 Balls
3/4" brass	140 (2,000)	245 (3,500)	132 LPM (35 GPM)	9 Balls
1" brass	125 (2,000)	210 (3,000)	163 LPM (43 GPM)	12 Balls
1-1/4" brass	25 (350)	70 (1,000)	265 LPM (70 GPM)	12 Balls
1-1/2" brass	25 (350)	70 (1,000)	405 LPM (107 GPM)	12 Balls
2" brass	25 (400)	55 (750)	738 LPM (195 GPM)	12 Balls
1/4" 316 SS	345 (5,000)	690 (10,000)	17 LPM (4.5 GPM)	6 Balls
3/8" 316 SS	280 (4,000)	555 (8,000)	24.6 LPM (6.5 GPM)	6 Balls
1/2" 316 SS	260 (3,750)	555 (8,000)	64 LPM (17 GPM)	9 Balls
3/4" 316 SS	140 (2,000)	485 (7,000)	132 LPM (35 GPM)	9 Balls
1" 316 SS	140 (2,000)	280 (4,000)	163 LPM (43 GPM)	12 Balls
1-1/4" 316 SS	105 (1,500)	210 (3,000)	265 LPM (70 GPM)	12 Balls
1-1/2" 316 SS	105 (1,500)	210 (3,000)	405 LPM (107 GPM)	12 Balls
2" 316 SS	35 (500)	70 (1,000)	738 LPM (195 GPM)	12 Balls

Please note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the operating pressure must be divided by two (2) to ensure a 4:1 safety factor during system operation.

Interchange Standards	US Military	Industry Standards	International Standards	ANSI/ NFPA
1/4"	MIL-C-51234	---	---	---
3/8"	MIL-C-51234	---	---	---
1/2"	MIL-C-51234	---	---	---
3/4"	MIL-C-51234	---	---	---
1"	MIL-C-51234	---	---	---
1-1/4"	MIL-C-51234	---	---	---
1-1/2"	MIL-C-51234	---	---	---
2"	MIL-C-51234	---	---	---

* These particular sizes are not outlined within the documented standard category.

'V' Series Interchange	Snap-Tite	Faster	PCI	---
1/4"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
3/8"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
1/2"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
3/4"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
1"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
1-1/4"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
1-1/2"	Series 'H/IH'	TNV/TNL	TNV/TNL	---
2"	Series 'H/IH'	TNV/TNL	TNV/TNL	---

Attention Required!

In some cases, competitive parts use a pneumatically energized seal (Also known as a 'U-Packer' in the industry) for general pneumatic and hydraulic service. Although this type of seal performs well in pneumatic applications, it is not recommended for hydraulic service, especially high pressure or high impulse applications. The Dixon Quick Coupling Division uses an O-Ring with Anti-Extrusion Ring as the standard sealing method because it is ideally suited for a wide variety of applications. Some competitors have recently stopped supplying the 'U-Packer' seals because of the possibility of a misapplication, standardizing on the O-Ring and Anti-Extrusion Ring sealing method.