Body Size

# 1/4" up to 6"

Snap-tite Profile

# H-Series



**Technical Description**
Parker Snap-tite H series is a general purpose hydraulic and pneumatic quick coupling.

**Advantages**
- Wide range of sizes, materials and end configurations
- Available in single shut-off, double shut-off or straight through versions
- Also available in Aluminium

**Applications**
- Agriculture
- Gas meters
- Drill clamps
- Chemical plants
- Loading arms
- Production lines

**Working Pressure**
See charts.

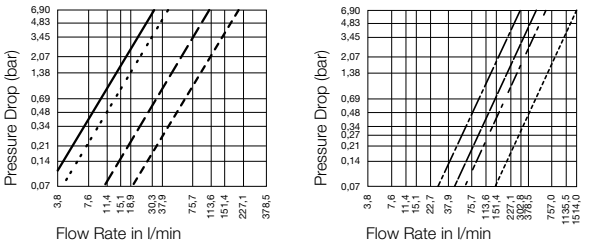
**Working Temperature**
-35°C up to +120°C (NBR)
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

H-Series is also available with FKM or EPR seal.
Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **VHC4-4FV.**

| Material Coupling | Steel | Stainless Steel | Brass |
|---|---|---|---|
| Coupling Body | Steel | AISI 316 | Brass |
| Sleeve | Steel | AISI 316 | Brass |
| Back-up Ring | PTFE | PTFE | PTFE |
| Valve | Steel | AISI 316 | Brass |
| Springs | AISI 302 / 17-7 | AISI 302 / 17-7 | AISI 302 / 17-7 |
| Locking Balls | 440 C | AISI 316 | 440 C |
| Seals | NBR | NBR | NBR |
| Valve Holder | Steel | AISI 316 | Brass |

| Material Plug | Steel | Stainless Steel | Brass |
|---|---|---|---|
| Plug Body | Steel | AISI 316 | Brass |
| Valve | Steel | AISI 316 | Brass |
| Springs | 17-7 | 17-7 | 17-7 |
| Seals | NBR | NBR | NBR |
| Valve Holder | Steel | AISI 316 | Brass |

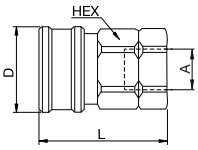
**Flow Capacity with MIL-H-6083 Hydraulic Fluid at 32°C +/-1,5°C**






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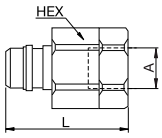
## Couplings — H-Series Steel




Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPTF | 22,35 | 41,91 | 25,40 | 0,10 | 448 | VHC4-4F |
| 1/4" | G 1/4 | 22,35 | 43,95 | 25,40 | 0,10 | 448 | VHC4-4RP |
| 3/8" | 3/8-18 NPTF | 25,40 | 48,26 | 30,23 | 0,11 | 310 | VHC6-6F |
| 3/8" | G 3/8 | 25,40 | 48,26 | 30,23 | 0,11 | 310 | VHC6-6RP |
| 1/2" | 1/2-14 NPTF | 30,23 | 53,09 | 35,31 | 0,20 | 276 | VHC8-8F |
| 1/2" | G 1/2 | 30,23 | 54,61 | 35,31 | 0,20 | 276 | VHC8-8RP |
| 3/4" | 3/4-14 NPTF | 38,10 | 61,47 | 41,40 | 0,34 | 241 | VHC12-12F |
| 3/4" | G 3/4 | 38,10 | 62,99 | 41,40 | 0,34 | 241 | VHC12-12RP |
| 1" | 1-11 1/2 NPTF | 47,75 | 67,82 | 50,80 | 0,55 | 138 | VHC16-16F |
| 1" | G 1 | 47,75 | 67,82 | 50,80 | 0,55 | 138 | VHC16-16RP |
| 1 1/2" | 1 1/2-11 1/2 NPT | 63,50 | 83,06 | 69,85 | 1,13 | 103 | VHC24-24F |
| 1 1/2" | G 1 1/2 | 63,50 | 83,06 | 69,85 | 1,13 | 103 | VHC24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 99,57 | 88,90 | 1,91 | 103 | VHC32-32F |
| 2" | G 2 | 88,90 | 99,57 | 88,90 | 1,91 | 103 | VHC32-32RP |

## Plugs — H-Series Steel

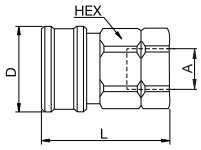



Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPTF | 22,35 | 40,38 | | 0,07 | 448 | VHN4-4F |
| 1/4" | G 1/4 | 22,35 | 42,42 | | 0,07 | 448 | VHN4-4RP |
| 3/8" | 3/8-18 NPTF | 25,40 | 46,74 | | 0,09 | 310 | VHN6-6F |
| 3/8" | G 3/8 | 25,40 | 46,74 | | 0,09 | 310 | VHN6-6RP |
| 1/2" | 1/2-14 NPTF | 30,23 | 50,29 | | 0,15 | 276 | VHN8-8F |
| 1/2" | G 1/2 | 30,23 | 51,81 | | 0,15 | 276 | VHN8-8RP |
| 3/4" | 3/4-14 NPTF | 38,10 | 58,17 | | 0,25 | 241 | VHN12-12F |
| 3/4" | G 3/4 | 38,10 | 59,69 | | 0,25 | 241 | VHN12-12RP |
| 1" | 1-11 1/2 NPTF | 47,75 | 64,77 | | 0,39 | 138 | VHN16-16F |
| 1" | G 1 | 47,75 | 64,77 | | 0,39 | 138 | VHN16-16RP |
| 1 1/2" | 1 1/2-11 1/2 NPT | 63,50 | 78,99 | | 0,75 | 103 | VHN24-24F |
| 1 1/2" | G 1 1/2 | 63,50 | 78,99 | | 0,75 | 103 | VHN24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 94,49 | | 1,32 | 103 | VHN32-32F |
| 2" | G 2 | 88,90 | 94,49 | | 1,32 | 103 | VHN32-32RP |

⚠ Please consider our security advices on the pages 12/13 ⚠

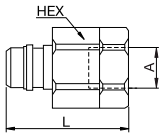
## Couplings — H-Series Stainless Steel



Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPSF | 22,35 | 41,91 | 25,40 | 0,10 | 345 | SVHC4-4F |
| 1/4" | G 1/4 | 22,35 | 43,95 | 25,40 | 0,10 | 345 | SVHC4-4RP |
| 3/8" | 3/8-18 NPSF | 25,40 | 48,26 | 30,23 | 0,11 | 276 | SVHC6-6F |
| 3/8" | G 3/8 | 25,40 | 48,26 | 30,23 | 0,11 | 276 | SVHC6-6RP |
| 1/2" | 1/2-14 NPSF | 30,23 | 53,09 | 35,31 | 0,20 | 259 | SVHC8-8F |
| 1/2" | G 1/2 | 30,23 | 54,61 | 35,31 | 0,20 | 259 | SVHC8-8RP |
| 3/4" | 3/4-14 NPSF | 38,10 | 61,47 | 41,40 | 0,34 | 138 | SVHC12-12F |
| 3/4" | G 3/4 | 38,10 | 62,99 | 41,40 | 0,34 | 138 | SVHC12-12RP |
| 1" | 1-11 1/2 NPSF | 47,75 | 67,82 | 50,80 | 0,55 | 138 | SVHC16-16F |
| 1" | G 1 | 47,75 | 67,82 | 50,80 | 0,55 | 138 | SVHC16-16RP |
| 1 1/2" | 1 1/2-11 1/2 NPT | 63,50 | 83,06 | 69,85 | 1,13 | 103 | SVHC24-24F |
| 1 1/2" | G 1 1/2 | 63,50 | 83,06 | 69,85 | 1,13 | 103 | SVHC24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 99,57 | 88,90 | 1,91 | 34 | SVHC32-32F |
| 2" | G 2 | 88,90 | 99,57 | 88,90 | 1,91 | 34 | SVHC32-32RP |

## Plugs — H-Series Stainless Steel



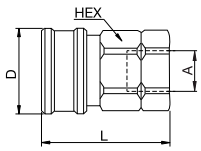
Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPSF | 22,35 | 40,38 | | 0,07 | 345 | SVHN4-4F |
| 1/4" | G 1/4 | 22,35 | 42,42 | | 0,07 | 345 | SVHN4-4RP |
| 3/8" | 3/8-18 NPSF | 25,40 | 46,74 | | 0,09 | 276 | SVHN6-6F |
| 3/8" | G 3/8 | 25,40 | 46,74 | | 0,09 | 276 | SVHN6-6RP |
| 1/2" | 1/2-14 NPSF | 30,23 | 50,29 | | 0,15 | 259 | SVHN8-8F |
| 1/2" | G 1/2 | 30,23 | 51,81 | | 0,15 | 259 | SVHN8-8RP |
| 3/4" | 3/4-14 NPSF | 38,10 | 58,17 | | 0,25 | 138 | SVHN12-12F |
| 3/4" | G 3/4 | 38,10 | 59,69 | | 0,25 | 138 | SVHN12-12RP |
| 1" | 1-11 1/2 NPSF | 47,75 | 64,77 | | 0,39 | 138 | SVHN16-16F |
| 1" | G 1 | 47,75 | 64,77 | | 0,39 | 138 | SVHN16-16RP |
| 1 1/2" | 1 1/2-11 1/2 NPT | 63,50 | 78,99 | | 0,75 | 103 | SVHN24-24F |
| 1 1/2" | G 1 1/2 | 63,50 | 78,99 | | 0,75 | 103 | SVHN24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 94,49 | | 1,32 | 34 | SVHN32-32F |
| 2" | G 2 | 88,90 | 94,49 | | 1,32 | 34 | SVHN32-32RP |



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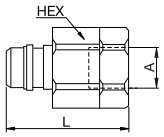
## Couplings — H-Series Brass




Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPTF | 22,35 | 41,91 | 25,40 | 0,11 | 155 | BVHC4-4F |
| 1/4" | G 1/4 | 22,35 | 43,95 | 25,40 | 0,11 | 155 | BVHC4-4RP |
| 3/8" | 3/8-18 NPTF | 25,40 | 48,26 | 30,23 | 0,16 | 155 | BVHC6-6F |
| 3/8" | G 3/8 | 25,40 | 48,26 | 30,23 | 0,16 | 155 | BVHC6-6RP |
| 1/2" | 1/2-14 NPTF | 30,23 | 53,09 | 35,31 | 0,23 | 138 | BVHC8-8F |
| 1/2" | G 1/2 | 30,23 | 54,61 | 35,31 | 0,23 | 138 | BVHC8-8RP |
| 3/4" | 3/4-14 NPTF | 38,10 | 61,47 | 41,40 | 0,38 | 138 | BVHC12-12F |
| 3/4" | G 3/4 | 38,10 | 62,99 | 41,40 | 0,38 | 138 | BVHC12-12RP |
| 1" | 1-11 1/2 NPTF | 47,75 | 67,82 | 50,80 | 0,60 | 121 | BVHC16-16F |
| 1" | G 1 | 47,75 | 67,82 | 50,80 | 0,60 | 121 | BVHC16-16RP |
| 1 1/2" | 1 1/2-11 1/2 NPT | 63,50 | 83,06 | 69,85 | 0,97 | 24 | BVHC24-24F |
| 1 1/2" | G 1 1/2 | 63,50 | 83,06 | 69,85 | 0,97 | 24 | BVHC24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 99,57 | 88,90 | 2,82 | 28 | BVHC32-32F |
| 2" | G 2 | 88,90 | 99,57 | 88,90 | 2,82 | 28 | BVHC32-32RP |

## Plugs — H-Series Brass




Female Thread

| Body Size | Connection A | Hex mm | L mm | D mm | Weight kg | Max. Operating Pressure bar | Part Number |
|---|---|---|---|---|---|---|---|
| 1/4" | 1/4-18 NPTF | 22,35 | 40,38 | | 0,08 | 155 | BVHN4-4F |
| 1/4" | G 1/4 | 22,35 | 42,42 | | 0,08 | 155 | BVHN4-4RP |
| 3/8" | 3/8-18 NPTF | 25,40 | 46,74 | | 0,10 | 155 | BVHN6-6F |
| 3/8" | G 3/8 | 25,40 | 46,74 | | 0,10 | 155 | BVHN6-6RP |
| 1/2" | 1/2-14 NPTF | 30,23 | 50,29 | | 0,16 | 138 | BVHN8-8F |
| 1/2" | G 1/2 | 30,23 | 51,81 | | 0,16 | 138 | BVHN8-8RP |
| 3/4" | 3/4-14 NPTF | 38,10 | 58,17 | | 0,27 | 138 | BVHN12-12F |
| 3/4" | G 3/4 | 38,10 | 59,69 | | 0,27 | 138 | BVHN12-12RP |
| 1" | 1-11 1/2 NPTF | 47,75 | 64,77 | | 0,42 | 121 | BVHN16-16F |
| 1" | G 1 | 47,75 | 64,77 | | 0,42 | 121 | BVHN16-16RP |
| 1 1/2" | 1-1/2-11 1/2 NPT | 63,50 | 78,99 | | 0,81 | 24 | BVHN24-24F |
| 1 1/2" | G 1-1/2 | 63,50 | 78,99 | | 0,81 | 24 | BVHN24-24RP |
| 2" | 2-11 1/2 NPT | 88,90 | 94,49 | | 1,42 | 28 | BVHN32-32F |
| 2" | G 2 | 88,90 | 94,49 | | 1,42 | 28 | BVHN32-32RP |

⚠ Please consider our security advices on the pages 12/13 ⚠

## Dust Protection — H-Series

| | Body Size | Version | Material | Color | Part Number |
|---|---|---|---|---|---|
|  | 1/4" | for coupling | Plastic | Black | PDP-4 |
| | 3/8" | for coupling | Plastic | Black | PDP-6 |
| | 1/2" | for coupling | Plastic | Black | PDP-8 |
| | 3/4" | for coupling | Plastic | Black | PDP-12 |
| | 1" | for coupling | Plastic | Black | PDP-16 |
|  | 1/4" | for plug | Plastic | Black | PDC-4 |
| | 3/8" | for plug | Plastic | Black | PDC-6 |
| | 1/2" | for plug | Plastic | Black | PDC-8 |
| | 3/4" | for plug | Plastic | Black | PDC-12 |
| | 1" | for plug | Plastic | Black | PDC-16 |
|  | 1/4" | for coupling | Aluminium | Grey | AMPH-4 |
| | 3/8" | for coupling | Aluminium | Grey | AMPH-6 |
| | 1/2" | for coupling | Aluminium | Grey | AMPH-8 |
| | 3/4" | for coupling | Aluminium | Grey | AMPH-12 |
| | 1" | for coupling | Aluminium | Grey | AMPH-16 |
| | 1 1/2" | for coupling | Aluminium | Grey | AMPH-24 |
| | 2" | for coupling | Aluminium | Grey | AMPH-32 |
|  | 1/4" | for plug | Aluminium | Grey | ADCH-4 |
| | 3/8" | for plug | Aluminium | Grey | ADCH-6 |
| | 1/2" | for plug | Aluminium | Grey | ADCH-8 |
| | 3/4" | for plug | Aluminium | Grey | ADCH-12 |
| | 1" | for plug | Aluminium | Grey | ADCH-16 |
| | 1 1/2" | for plug | Aluminium | Grey | ADCH-24 |
| | 2" | for plug | Aluminium | Grey | ADCH-32 |



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