

Hose Type 4/2H-1400

42H071.1400

SPIR STAR®

DuraLife Flex ®

ID4 - Series: A, X and Q

Applications

- Waterblast:** Heat exchanger tube cleaning
- Hydraulics:** Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

Technical Information

- Inner Core:** Polyoxymethylene (POM)
- Pressure Support:** 2 layers of high-tensile steel wire
- Outer Cover:** Polyamide (PA)
- Color:** Blue
- Temperature:** -30°C to +70°C [-22°F to 158°F]



| Ø ID | Ø OD | Working Pressure -- (SF 2.5:1) | Burst Pressure | Bend Radius | Weight | Insert ID |
|-----------|-----------|--------------------------------------|----------------|-------------|--------------|-----------|
| 4,0 mm | 8,1 mm | -- | 1.400 bar | 75 mm | 0,112 kg/m | 2,5 mm |
| 0,16 inch | 0,32 inch | -- | 20.300 psi | 2,95 inch | 0,075 lbs/ft | 0,10 inch |

| Part no. | Thread | Material | Dimensions (mm) | | | | Sleeve |
|---------------|--------|----------|-----------------|----|---|-------------|--------|
| | | | A | B | C | Wrench size | |
| Sleeve | | | | | | | |
| 10420102 | - | Steel | 10 | 34 | - | - | |
| 10420105 | - | AISI 316 | 10 | 34 | - | - | |

| Part no. | Thread | Material | Hose part | Dimensions (mm) | | | | OnePiece Fittings® WS |
|--|--------------|----------|-------------|-----------------|----|----|-------------|-----------------------|
| | | | | A | B | C | Wrench size | |
| OnePiece Fittings® with wrench size | | | | | | | | |
| 30420451Q | 1/16"x27NPTF | Steel | 30420452/1Q | 9,9 | 34 | 7 | 7 | |
| 30420461Q | 1/8"x27NPTF | Steel | 30420462/1Q | 9,9 | 37 | 10 | 8 | |
| 30420601Q | 5/16"x24UNF | Steel | 30420452/1Q | 9,9 | 34 | 7 | 7 | |

| Part no. | Thread | Material | Hose part | Dimensions (mm) | | | | OnePiece Fittings® |
|---------------------------|-------------|----------|-------------|-----------------|----|---|-----|--------------------|
| | | | | A | B | C | D | |
| OnePiece Fittings® | | | | | | | | |
| 30420601X | 5/16"x24UNF | Steel | 30420452/1X | 2,5 | 28 | 7 | 9,9 | |

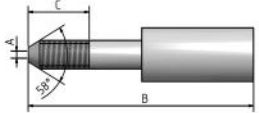
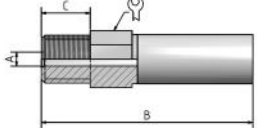
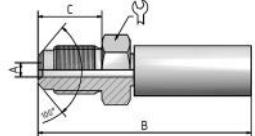
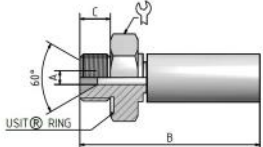
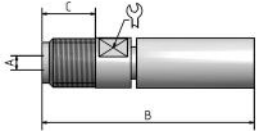
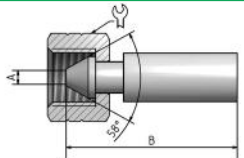
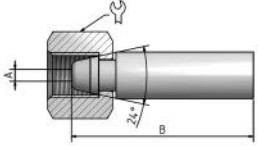
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| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|---|---------------|----------|--------------------|-----------------|------|------|----|---|
| | | | | A | B | C | ⌀ | |
| HP fitting | | | | | | | | |
| 40420205A | 1/4"x28UNF LH | AISI 316 | - | 2,5 | 69 | 14,3 | - |  |
| Male fitting | | | | | | | | |
| 30420412A | 1/16"x27NPTF | Steel | - | 2,5 | 51 | 10 | 7 |  |
| 30420542A | 1/8"x27NPTF | Steel | - | 2,5 | 53 | 10 | 8 | |
| 30420422A | 1/4"x18NPTF | Steel | - | 2,5 | 58 | 15,2 | 11 | |
| 30420302A | G1/8" | Steel | - | 2,5 | 53 | 12 | 9 | |
| 30420322A | G1/4" | Steel | - | 2,5 | 55 | 12 | 11 | |
| 30420042A | M7x1 | Steel | - | 2,5 | 54 | 10 | 9 | |
| 30420052A | M8x1,25 | Steel | - | 2,5 | 54 | 10 | 9 | |
| 30420002A | M10x1 | Steel | - | 2,5 | 55 | 12 | 8 | |
| Male fitting 100° external cone | | | | | | | | |
| 30420362A | G1/4" | Steel | - | 2,5 | 60 | 18 | 17 |  |
| Male fitting for USIT® Ring - recommended MAWP 1.000 bar | | | | | | | | |
| 30420352A | G1/4" | Steel | - | 2,5 | 54,5 | 11 | 22 |  |
| Male fitting flat seal | | | | | | | | |
| 30420382A | G1/8" | Steel | - | 2,5 | 56 | 13 | 9 |  |
| 30420082A | M7 | Steel | - | 2,5 | 53 | 10 | 7 | |
| Type M female swivel | | | | | | | | |
| 20420642A | 9/16"x18UNF | Steel | 50540601 | 2,5 | 48,5 | - | 19 |  |
| Universal female swivel 24°/60° | | | | | | | | |
| 20430302A | G1/4" | Steel | 50540301, 50540305 | 2,5 | 48 | - | 19 |  |


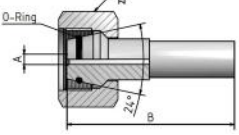
Hose Type 4/2H-I 400


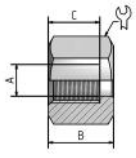
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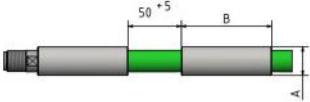
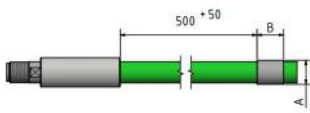
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| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|----------------------------------|---------|----------|----------|-----------------|----|---|---|---|
| | | | | A | B | C |  | |
| Female swivel with O-Ring | | | | | | | | |
| 20420042A | M24x1,5 | Steel | 51321206 | 2,5 | 66 | - | 32 |  |

| Part no. | Thread | Material | Relief bores | Dimensions (mm) | | | | Swivel nut |
|-------------------|-------------|----------|--------------|-----------------|------|-----|---|---|
| | | | | A | B | C |  | |
| Swivel nut | | | | | | | | |
| 50540601 | 9/16"x18UNF | Steel | 1 radial | 9,2 | 18 | 14 | 19 |  |
| 50540301 | G1/4" | Steel | 1 radial | 9,2 | 16,5 | 8,5 | 19 | |
| 50540305 | G1/4" | AISI 316 | 1 radial | 9,2 | 16,5 | 8,5 | 19 | |
| 51321206 | M24x1,5 | Steel | 2 axial | 16,8 | 23 | 16 | 32 | |
| 51320205 | M24x1,5 | AISI 316 | 1 radial | 16,8 | 23 | 16 | 32 | |

| Part no. | Thread | Material | Relief bores | Dimensions (mm) | | | | Tube cleaning accessories |
|---------------------|--------|----------|--------------|-----------------|----|---|---|---|
| | | | | A | B | C |  | |
| Stop sleeve | | | | | | | | |
| 1.84104201A | - | Steel | - | 10,1 | 34 | - | - |  |
| 1.84304201Q | - | Steel | - | 9,9 | 25 | - | - | |
| Marking ring | | | | | | | | |
| 1.851012.5 | - | AISI 316 | - | 10,1 | 10 | - | - |  |

Other colors upon request.

The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked.

Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center.

The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly may be less.

*) Blast-Pro® fittings may only be used for tube cleaning operations inside the tube. They have not been designed for the use outside of tubes.

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