

Applications

- Hydraulics:** Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)
- Oil and Gas:** Grease injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling



Technical Information

- Inner Core:** Polyamide (PA)
- Pressure Support:** 2 open layers, 2 dense layers of high-tensile steel wire
- Outer Cover:** Polyurethane (TPU)
- Color:** Black
- Temperature:** -30°C to +60°C [-22°F to 140°F]

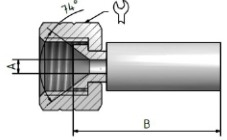
| Ø ID | Ø OD | Working Pressure | | Burst Pressure | Bend Radius | Weight | Insert ID |
|-----------|-----------|------------------|------------|----------------|-------------|--------------|-----------|
| | | -- | (SF 2.5:1) | | | | |
| 18,8 mm | 29,5 mm | -- | 760 bar | 1.900 bar | 220 mm | 1,160 kg/m | 13,0 mm |
| 0,74 inch | 1,16 inch | -- | 11.020 psi | 27.550 psi | 8,66 inch | 0,777 lbs/ft | 0,51 inch |

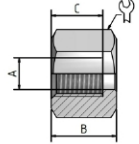
| Part no. | Thread | Material | Dimensions (mm) | | | | Sleeve |
|---------------|--------|----------|-----------------|----|---|---|--------|
| | | | A | B | C | ⌀ | |
| Sleeve | | | | | | | |
| 12020191W | - | Steel | 36,3 | 64 | - | - | |


| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|---------------------|--------------|------------|-----|-----------------|-----|----|----|--------|
| | | | | A | B | C | ⌀ | |
| Male fitting | | | | | | | | |
| 32020421A | 1"x11 1/2NPT | Steel | - | 13 | 111 | 25 | 36 | |
| 32020425A | 1"x11 1/2NPT | AISI 316Ti | - | 13 | 111 | 25 | 36 | |

| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|-----------|--------|----------|----------|-----------------|-----|---|----|--------|
| 22020201A | M36x2 | Steel | 52040211 | 13 | 115 | - | 46 | |

| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|-----------|--------------|------------|----------|-----------------|----|---|----|--------|
| 22020645A | 1 5/16"x12UN | AISI 316Ti | 52040645 | 13 | 89 | - | 46 | |

| Part no. | Thread | Material | Nut | Dimensions (mm) | | | | Insert |
|--------------------------|--------------|------------|----------|-----------------|----|---|----|---|
| | | | | A | B | C | Ø | |
| JIC female swivel | | | | | | | | |
| 22020605A | 1 5/16"x12UN | AISI 316Ti | 52040605 | 13 | 87 | - | 46 |  |

| Part no. | Thread | Material | Relief bores | Dimensions (mm) | | | | Swivel nut |
|-------------------|--------------|------------|--------------|-----------------|------|------|----|---|
| | | | | A | B | C | Ø | |
| Swivel nut | | | | | | | | |
| 52040605 | 1 5/16"x12UN | AISI 316Ti | 1 radial | 25,5 | 34,5 | 14,5 | 46 |  |
| 52040645 | 1 5/16"x12UN | AISI 316Ti | 1 radial | 25,5 | 31,5 | 11,5 | 46 | |
| 52040211 | M36x2 | Steel | 1 radial | 25,5 | 30 | 18 | 46 | |

| Part no. | Mesh length (mm) | Overall length (mm) | Breaking strength (kN) | Suitable for SPIR STAR® hose outer diameter (mm) | Hose securing grip |
|----------|------------------|---------------------|------------------------|--|---|
| | | | | | |
| 9204400 | 600,00 | 820,00 | 35,10 | 30-40 |  |

Production related variations of the burst pressure of up to 5 % are possible. 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.

We reserve our rights for technical changes without notice. Subject to printing errors.