

## Applications

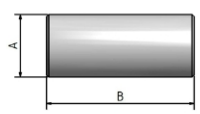
- Waterblast:** Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning
- Hydraulics:** Pressure test equipment (valves, tooling and control panels)
- Oil and Gas:** Grease injection, nitrogen service

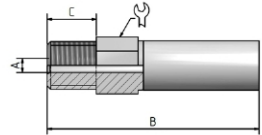


## Technical Information

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

| Ø ID      | Ø OD      | Working Pressure<br>--<br>(SF 2,5:1) | Burst Pressure | Bend Radius | Weight    | Insert ID    |
|-----------|-----------|--------------------------------------|----------------|-------------|-----------|--------------|
| 19,0 mm   | 26,2 mm   | --                                   | 520 bar        | 1.300 bar   | 240 mm    | 0,750 kg/m   |
| 0,75 inch | 1,03 inch | --                                   | 7.540 psi      | 18.850 psi  | 9,45 inch | 0,503 lbs/ft |

| Part no.      | Thread | Material | Dimensions (mm) |    |   |   | Sleeve   |
|---------------|--------|----------|-----------------|----|---|---|--|
|               |        |          | A               | B  | C | ⌀ |  |
| <b>Sleeve</b> |        |          |                 |    |   |   |  |
| 12020101      | -      | Steel    | 34,2            | 69 | - | - |  |

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

| <b>Female swivel with O-Ring</b> |       |       |          |    |     |   |    |   |
|----------------------------------|-------|-------|----------|----|-----|---|----|---|
| 22020201A                        | M36x2 | Steel | 52040211 | 13 | 115 | - | 46 |  |

| <b>Type M female swivel</b> |              |            |          |    |    |   |    |   |
|-----------------------------|--------------|------------|----------|----|----|---|----|---|
| 22020645A                   | 1 5/16"x12UN | AISI 316Ti | 52040645 | 13 | 89 | - | 46 |  |

| Part no.                 | Thread       | Material   | Nut      | Dimensions (mm) |    |   |    | Insert |
|--------------------------|--------------|------------|----------|-----------------|----|---|----|--------|
|                          |              |            |          | A               | B  | C | Ø  |        |
| <b>JIC female swivel</b> |              |            |          |                 |    |   |    |        |
| 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  |            |
| <b>Swivel nut</b> |              |            |              |                 |      |      |    |            |
| 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 |
|----------|------------------|---------------------|------------------------|--|--------------------|
|          |                  |                     |                        |  |                    |
| 9136400  | 600,00           | 800,00              | 24,30                  | 25-30  |                    |

| Part no. | Size (mm)      | Material | Crimp ring | Hose protection |
|----------|----------------|----------|------------|-----------------|
|          |                |          |            |                 |
| 1.914051 | ID Ø40, OD Ø47 | PVC      | 1005054    |                 |

| Accessories combinations    |                 |                 |            |                |
|-----------------------------|-----------------|-----------------|------------|----------------|
| Hose protection with spiral |                 |                 |            |                |
| Description                 | Protection hose | Bend restrictor | Crimp ring | Securing grips |
| Protection hose             | 1.914051        | -               | 1005054    | -              |
| with securing grip          | 1.914051        | -               | -          | 9136400        |

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.

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