# Hose Type 16/4PPA®

**164PPA4017**

**ID16 - Series: B**


## Applications

**Hydraulics:** Hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

**Oil and Gas:** Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, nitrogen service, Gaseous media handling

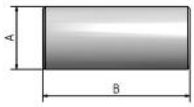
## Technical Information

**Inner Core:** Polyvinylidenfluoride (PVDF)
**Pressure Support:** 4 layers of high-tensile steel wire
**Outer Cover:** Polyamide (PA)
**Color:** Dark green
**Temperature:** -20°C to +80°C [-4°F to 176°F]

| Ø ID | Ø OD | Working Pressure (SF 3,5:1) | Working Pressure (SF 4,0:1) | Burst Pressure | Bend Radius | Weight | Insert ID |
|---|---|---|---|---|---|---|---|
| 16,0 mm | 25,5 mm | 790 bar | 690 bar | 2.760 bar | 400 mm | 1,082 kg/m | 10,5 mm |
| 0,63 inch | 1,00 inch | 11.450 psi | 10.000 psi | 40.000 psi | 15,75 inch | 0,725 lbs/ft | 0,41 inch |

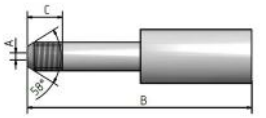
**Sleeve**

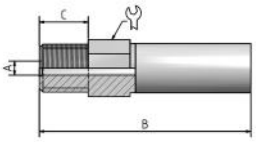
| Part no. | Thread | Material | Dimensions (mm) A | B | C | |
|---|---|---|---|---|---|---|
| **Sleeve** | | | | | | |
| 11640112 | - | Steel | 32,7 | 69 | - | - |
| 11640115 | - | AISI 316Ti | 32,6 | 69 | - | - |

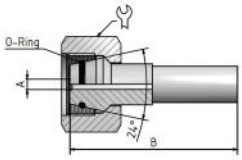



**Insert**

| Part no. | Thread | Material | Nut | Dimensions (mm) A | B | C | |
|---|---|---|---|---|---|---|---|
| **MP fitting** | | | | | | | |
| 41640305B | 3/4"x16UNF LH | AISI 316Ti | - | 10,5 | 120 | 18 | - |
| **Male fitting** | | | | | | | |
| 31640401B | 3/4"x14NPT | Steel | - | 10,5 | 101 | 18 | 27 |
| **Female swivel with O-Ring** | | | | | | | |
| 21640101B | M30x2 | Steel | 51640201 | 10,5 | 98 | - | 41 |

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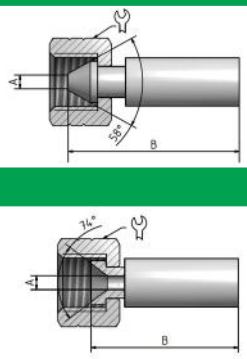
**ID16 - Series: B**

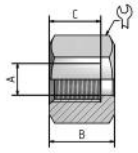
## Insert

| Part no. | Thread | Material | Nut | Dimensions (mm) A | B | C | |
|---|---|---|---|---|---|---|---|
| **Type M female swivel** | | | | | | | |
| 21640605B | 1 5/16"x12UN | AISI 316Ti | 52040645 | 10,5 | 99 | - | 46 |
| **JIC female swivel** | | | | | | | |
| 21640645B | 1 1/16"x12UN | AISI 316Ti | 51640605 | 10,5 | 84 | - | 36 |




## Swivel nut

| Part no. | Thread | Material | Relief bores | Dimensions (mm) A | B | C | |
|---|---|---|---|---|---|---|---|
| **Swivel nut** | | | | | | | |
| 51640605 | 1 1/16"x12UN | AISI 316Ti | 1 radial | 20,1 | 29 | 23 | 36 |
| 52040645 | 1 5/16"x12UN | AISI 316Ti | 1 radial | 25,5 | 31,5 | 11,5 | 46 |
| 51640201 | M30x2 | Steel | 1 radial | 20,5 | 28 | 15 | 41 |




## Hose securing grip

| Part no. | Mesh length (mm) | Overall length (mm) | Breaking strength (kN) | Suitable for SPIR STAR® hose outer diameter (mm) |
|---|---|---|---|---|
| **Hose securing grip short version** | | | | |
| 9106400 | 600,00 | 800,00 | 20,40 | 20-25 |

*Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.*
*Maximum test pressure (1035 bar / 15000 psi).*
*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.*
*We reserve our rights for technical changes without notice. Subject to printing errors.*

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