

# Hose Type 8/2

DuraLife Flex ®

ID8 - Series: A and X



## Applications

**Waterblast:** Heat exchanger tube cleaning, surface preparation (concrete removal, surface cleaning of buildings, paint removal)

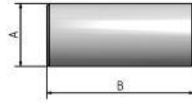
**Hydraulics:** Pressure test equipment (valves, tooling and control panels)

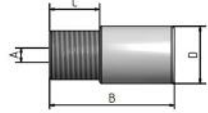


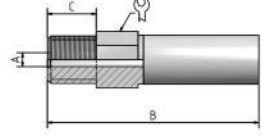
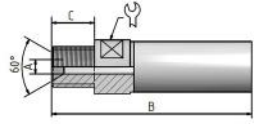
## Technical Information

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

| Ø ID      | Ø OD      | Working Pressure<br>(SF 2.5:1) | Burst Pressure | Bend Radius | Weight       | Insert ID |
|-----------|-----------|--------------------------------|----------------|-------------|--------------|-----------|
| 8,1 mm    | 13,3 mm   | 900 bar                        | 2.250 bar      | 130 mm      | 0,200 kg/m   | 5,5 mm    |
| 0,32 inch | 0,52 inch | 13.050 psi                     | 32.625 psi     | 5,12 inch   | 0,134 lbs/ft | 0,22 inch |

| Part no.      | Thread | Material | Dimensions (mm) |    |   |   | Sleeve   |
|---------------|--------|----------|-----------------|----|---|---|--|
|               |        |          | A               | B  | C | ⚙ |  |
| <b>Sleeve</b> |        |          |                 |    |   |   |  |
| 10820101      | -      | Steel    | 17,8            | 49 | - | - |  |

| Part no.                  | Thread      | Material | Hose part   | Dimensions (mm) |    |    |      | OnePiece Fittings®  |
|---------------------------|-------------|----------|-------------|-----------------|----|----|------|---|
|                           |             |          |             | A               | B  | C  | D    |   |
| <b>OnePiece Fittings®</b> |             |          |             |                 |    |    |      |   |
| 30820461X                 | 1/4"x18NPTF | Steel    | 30820441/1X | 5,5             | 39 | 14 | 17,5 |  |
| 30820441X                 | 3/8"x18NPT  | Steel    | 30820441/1X | 5,5             | 38 | 14 | 17,5 |   |

| Part no.                              | Thread      | Material | Nut | Dimensions (mm) |    |    |    | Insert  |
|---------------------------------------|-------------|----------|-----|-----------------|----|----|----|---|
|                                       |             |          |     | A               | B  | C  | ⚙  |   |
| <b>Male fitting</b>                   |             |          |     |                 |    |    |    |   |
| 30820411A                             | 1/4"x18NPTF | Steel    | -   | 5,5             | 68 | 14 | 14 |  |
| 30820401A                             | 3/8"x18NPTF | Steel    | -   | 5,5             | 69 | 14 | 17 |   |
| <b>Male fitting 60° internal cone</b> |             |          |     |                 |    |    |    |   |
| 30820321A                             | G1/4"       | Steel    | -   | 5,5             | 63 | 12 | 14 |  |
| 30820301A                             | G3/8"       | Steel    | -   | 5,5             | 65 | 12 | 17 |   |

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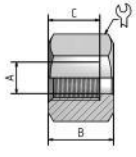
| Part no.                              | Thread      | Material   | Nut                | Dimensions (mm) |      |      |   | Insert  |
|---------------------------------------|-------------|------------|--------------------|-----------------|------|------|---|---|
|                                       |             |            |                    | A               | B    | C    |  |   |
| <b>Male fitting flat seal</b>         |             |            |                    |                 |      |      |   |   |
| 30820381A                             | G1/4"       | Steel      | -                  | 5,5             | 70   | 15   | 12  |    |
| <b>Male fitting DIN3852 T2 form A</b> |             |            |                    |                 |      |      |   |   |
| 30820341A                             | G3/8"       | Steel      | -                  | 5,5             | 69,5 | 14,5 | 22  |    |
| <b>Female swivel 24°/60°</b>          |             |            |                    |                 |      |      |   |   |
| 20820301A                             | G3/8"       | Steel      | 50860301           | 5,5             | 62   | -    | 24  |    |
| <b>Female swivel with O-Ring</b>      |             |            |                    |                 |      |      |   |   |
| 20820201A                             | M20x1.5     | Steel      | 50860201           | 5,5             | 65   | -    | 27  |   |
| 20820042A                             | M24x1.5     | Steel      | 51321206           | 5,5             | 75   | -    | 32  |   |
| <b>Type M female swivel</b>           |             |            |                    |                 |      |      |   |   |
| 20820645A                             | 3/4"x16UNF  | AISI 316Ti | 50840605, 50840601 | 5,5             | 62   | -    | 24  |  |
| <b>JIC female swivel</b>              |             |            |                    |                 |      |      |   |   |
| 20820601A                             | 9/16"x18UNF | Steel      | 50820601           | 5,5             | 56   | -    | 19  |  |
| 20820605A                             | 9/16"x18UNF | AISI 316Ti | 50820605           | 5,5             | 56   | -    | 19  |   |


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| Part no.          | Thread      | Material   | Relief bores | Dimensions (mm) |      |      |   | Swivel nut  |
|-------------------|-------------|------------|--------------|-----------------|------|------|---|---|
|                   |             |            |              | A               | B    | C    |  |   |
| <b>Swivel nut</b> |             |            |              |                 |      |      |   |  |
| 50820601          | 9/16"x18UNF | Steel      | 1 radial     | 10,6            | 18   | 14   | 19  |   |
| 50820605          | 9/16"x18UNF | AISI 316Ti | 1 radial     | 10,6            | 18   | 14   | 19  |   |
| 50840601          | 3/4"x16UNF  | Steel      | 1 radial     | 12,2            | 22,5 | 17,5 | 24  |   |
| 50840605          | 3/4"x16UNF  | AISI 316Ti | 1 radial     | 12,2            | 22,5 | 17,5 | 24  |   |
| 50860301          | G3/8"       | Steel      | 1 radial     | 12,5            | 21,5 | 15,5 | 24  |   |
| 50860201          | M20x1.5     | Steel      | 1 radial     | 12,2            | 22   | 12   | 27  |   |
| 51321206          | M24x1.5     | Steel      | 2 axial      | 16,8            | 23   | 16   | 32  |   |

| Part no.                      | Material | Crimp ring | Dimensions (mm) |        | Bend restrictor   |
|-------------------------------|----------|------------|-----------------|--------|---|
|                               |          |            | Ø               | Length |   |
| <b>Rubber bend restrictor</b> |          |            |                 |        |   |
| 1.9518600                     | Rubber   | 1003035    | 34              | 126    |  |

| Part no.                               | Mesh length (mm) | Overall length (mm) | Breaking strength (kN) | Suitable for SPIR STAR® hose outer diameter (mm) | Hose securing grip  |
|--|------------------|---------------------|------------------------|--|---|
|  |                  |                     |                        |  |   |
| 9056400                                | 600,00           | 740,00              | 10,20                  | 10-15  |   |
| <b>Hose securing grip long version</b> |                  |                     |                        |  |   |
| 905640L                                | 600,00           | 990,00              | 10,20                  | 10-15  |  |

| Accessories combinations          |                 |            |                |
|-----------------------------------|-----------------|------------|----------------|
| Without hose protection           |                 |            |                |
| Description                       | Bend restrictor | Crimp ring | Securing grips |
| Bend restrictor                   | 1.9518600       | 1003035    | -              |
| Securing grip                     | -               | -          | 9056400        |
| Bend restrictor and securing grip | 1.9518600       | 1003035    | 905640L        |

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