



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

## **Press- und Schälmaße**

Swage and skive charts





**Die angegebenen Pressdurchmesser sind Richtwerte.**

Ihnen sind die Dimensionen der abgebildeten Schlauchspezifikationen zugrunde gelegt. Abweichungen hiervon und auch unterschiedliche Schlauchqualitäten erfordern möglicherweise andere Pressdurchmesser. Individuelle Praktiken, der Pressprozess (z. B. Wahl der Schlauchpresse oder des Presswerkzeugs), der Schälprozess und die Anwendung können zu erheblich unterschiedlichen Werten führen. Sollten Sie Informationen zu bestimmten individuellen Verarbeitungsbedingungen oder -werten benötigen, wenden Sie sich bitte an den technischen Support von PH Industrie-Hydraulik (PH).

Schälen: Schläuche, die geschält werden, müssen bis zur Drahtlage abgeschält werden. Die Drähte dürfen beim Schälen unter keinen Umständen verletzt werden. Bei drahtgeflochtenen Schläuchen ist ein verbleibender Gummifilm von 0,2 bis 0,3 mm nach dem Schälen akzeptabel.

**WARNUNG:** Die Verwendung falscher Teile oder falsches Crimpen kann zu Leckagen, Ausfall oder Platzen der Schlauchleitung führen und - insbesondere bei hohem Betriebsdruck- zu Sach- und/oder Personenschäden führen. Im Zweifelsfall bitte fachkundigen Rat einholen!

Es empfiehlt sich deshalb immer eine Druckprüfung nach DIN EN ISO 1402 durchzuführen.

**The mentioned swaging diametres are standard gauges.**

They are based on the dimensions of the mentioned hose specifications.

Deviations on this and also different rubber qualities require other swaging diameters.

Individual practices, the conditions of crimping (e.g., choice of crimping machinery or tools), skiving and use may lead to considerably different values. Should you require information about specific individual crimping conditions or values please contact PH Industrie-Hydraulik technical support.

Skiving: Hoses that require skiving must be skived down to the wire layer. Wires shall not be injured upon skiving under any circumstances. For wire braided hoses a remaining rubber film of 0.2 to 0.3 mm after skiving is acceptable.

**WARNING:** Use of incorrect parts or incorrect crimping may lead to leakage, failure or bursting of the hose line and may – particularly in operations with high operational pressure - result in material damage and/or personal injury. In case of doubt please seek specialist advice!

For this it is recommended to make hydro static pressure tests according to DIN EN ISO 1402.

**Stand: Juli 2024 / Rev. 5**

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Bestehendes Zertifikat:  
Dieses Zertifikat ist gültig bis:  
Zertifikat-Nr.:

01. Februar 2024  
31. Januar 2027  
10563642

Erstmalige Zulassung:  
ISO 9001 - 28. Januar 1997

# Zertifikat

Hiermit wird bescheinigt, dass das Managementsystem von:

## PH Industrie-Hydraulik GmbH & Co. KG

Wuppermannshof 8, 58256 Ennepetal, Deutschland

durch LRQA geprüft und bewertet wurde und den folgenden Normen entspricht:

**ISO 9001:2015**

Gültigkeits-Nr.: ISO 9001 – 0018408

**Das Managementsystem ist anwendbar für:**

Herstellung und Vertrieb der Rohr- und Schlauchleitungsverbindungstechnik aus Edelstahl 1.4571 (AISI316Ti).

Paul Graaf

Area Operations Manager, Europe

Ausgestellt von: LRQA Limited



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Current issue date:  
Expiry date:  
Certificate identity number:

1 February 2024  
31 January 2027  
10563647

Original approval(s):  
ISO 9001 - 28 January 1997

# Certificate of Approval

This is to certify that the Management System of:

## PH Industrie-Hydraulik GmbH & Co. KG

Wuppermannshof 8, 58256 Ennepetal, Germany

has been approved by LRQA to the following standards:

**ISO 9001:2015**

Approval number(s): ISO 9001 – 0018408

**The scope of this approval is applicable to:**

Manufacture and sale of tube and hose connection technology made of stainless steel 1.4571 (AISI316TI).

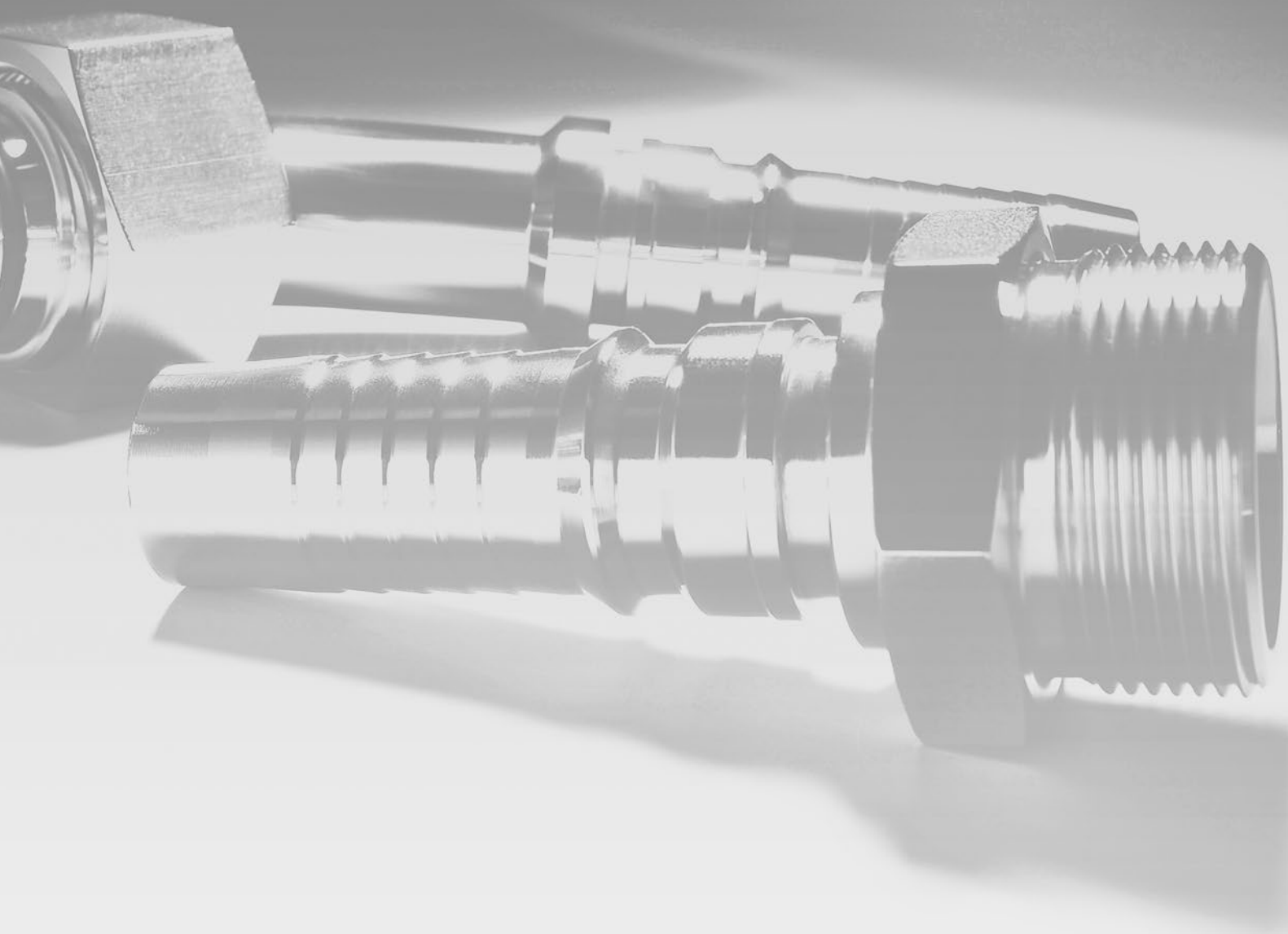
**Paul Graaf**

Area Operations Manager, Europe

Issued by: LRQA Limited



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Bitte beachten Sie die maximal zulässigen Betriebsdrücke der Anschlussarmaturen gemäß den zugehörigen Normen:

•DIN 20066 •DIN 7641 •DIN 7642 •SAE 514  
•SAE J 518 •SAE J 1453 •BS 5200 •ISO 8434-6

Auf jeden Fall überschreiten die PH Armaturen aufgrund der Robustheit und der hohen Qualität generell die o.g. Spezifikationen.

Der Nenndruck der Schlauchleitung, komplett mit allen Komponenten, einschließlich Verschraubungen und Adapter, muss jeweils vom schwächsten Bestandteil definiert werden.

Please note the maximum allowable working pressures for hose fitting connections according to their International Standards as described in:

•DIN 20066 •DIN 7641 •DIN 7642 •SAE 514  
•SAE J 518 •SAE J 1453 •BS 5200 •ISO 8434-6

Anyway the robustness and high quality of the PH hose couplings generally exceed the mentioned performance.

The pressure rating of the hose assembly, complete with all components, including fittings and adapters, must be defined based on the rate of the weakest component.

| Beschreibung<br>Description                                  |                                    | Normen<br>Standards      | Max. Betriebsdruck in bar (PN)<br>Max. Working Pressure in bar (PN) |      |       |      |      |      |      |     |        |        |     |     | 2 1/2" | 3" |
|--------------------------------------------------------------|------------------------------------|--------------------------|---------------------------------------------------------------------|------|-------|------|------|------|------|-----|--------|--------|-----|-----|--------|----|
|                                                              |                                    |                          | Zoll / inch                                                         |      |       |      |      |      |      |     |        |        |     |     |        |    |
|                                                              |                                    |                          | 3/16"                                                               | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 1"  | 1 1/4" | 1 1/2" | 2"  |     |        |    |
|                                                              |                                    |                          | Dash                                                                |      |       |      |      |      |      |     |        |        |     |     |        |    |
|                                                              |                                    |                          | -03                                                                 | -04  | -05   | -06  | -08  | -10  | -12  | -16 | -20    | -24    | -32 |     |        |    |
|                                                              |                                    |                          | DN                                                                  |      |       |      |      |      |      |     |        |        |     |     |        |    |
|                                                              |                                    |                          | 5                                                                   | 6    | 8     | 10   | 12   | 16   | 19   | 25  | 31     | 38     | 51  | 63  |        |    |
| Außengewinde - BSP Zyl. + Keg.<br>Male Nipples - BSP + Taper | AGR + AGRk                         | BS 5200 - ISO 8434-6     | 350                                                                 | 630  | 550   | 550  | 430  | 350  | 350  | 280 | 250    | 210    | 210 |     |        |    |
| Dichtkopf BSP - O-Ring<br>Tapered Nipples with O-ring        | DKOR                               | BS 5200 - ISO 8434-6     |                                                                     |      |       |      |      |      | 350  | 280 | 250    | 210    | 210 |     |        |    |
| Dichtkopf - BSP<br>Tapered Nipples - BSP                     | DKR + DRF                          | BS 5200 - ISO 8434-6     | 500                                                                 | 630  | 550   | 550  | 430  | 350  | 350  | 280 | 160    | 125    | 80  |     |        |    |
| Universaldichtkopf<br>Universal Tapered Nipples              | DKL                                | DIN 20066                | 250                                                                 | 250  | 250   | 250  | 250  | 160  |      |     |        |        |     |     |        |    |
| Dichtkopf metrisch 60°<br>Universal Tapered Nipples          | DKLL                               | DIN 20066                |                                                                     |      |       |      |      |      | 63   | 63  | 63     | 63     | 40  |     |        |    |
| Außengewinde metrisch 24°<br>Metric-Male Nipples 24°         | CEL                                | DIN 20066                | 415                                                                 | 500  | 500   | 400  | 400  | 400  | 280  | 250 | 250    | 250    |     |     |        |    |
| Dichtkopf metrisch 24°<br>Tapered Nipples with O-ring        | DKOL                               | DIN 20066                | 415                                                                 | 500  | 500   | 400  | 400  | 400  | 280  | 250 | 250    | 250    |     |     |        |    |
| Außengewinde metrisch 24°<br>Metric-Male Nipples 24°         | CES                                | DIN 20066                | 630                                                                 | 630  | 630   | 630  | 630  | 450  | 420  | 420 | 420    | 420    |     |     |        |    |
| Dichtkopf metrisch 24°<br>Tapered Nipples with O-ring        | DKOS                               | DIN 20066                | 630                                                                 | 630  | 630   | 630  | 630  | 450  | 420  | 420 | 420    | 420    |     |     |        |    |
| Ringstutzen<br>Banjos                                        | RGN                                | DIN 7641 + 7642          | 300                                                                 | 300  | 300   | 300  | 300  | 250  | 250  | 250 |        |        |     |     |        |    |
| Außengewinde JIC-37°<br>JIC-37°-Male Nipples                 | AGJ                                | SAE 514                  | 410                                                                 | 410  | 350   | 350  | 350  | 350  | 350  | 280 | 210    | 160    | 160 |     |        |    |
| Dichtkopf JIC-37°<br>JIC-37°-Female Nipples                  | DKJ                                | SAE 514                  | 410                                                                 | 410  | 350   | 350  | 350  | 350  | 350  | 280 | 210    | 160    | 160 |     |        |    |
| Außengewinde NPT<br>Male Nipples NPT                         | AGN                                | SAE 514                  | 630                                                                 | 630  | 630   | 630  | 630  | 350  | 630  | 400 | 400    | 400    | 315 |     |        |    |
| ORFS Außengewinde-Nippel<br>ORFS Male Nipples                | MORFS                              | SAE J 1453               | 420                                                                 | 460  | 460   | 460  | 420  | 420  | 420  | 350 | 275    | 210    |     |     |        |    |
| Dichtkopf ORFS - Gerade<br>ORFS-Nipples - Straight           | FORFS - Gerade<br>FORFS - Straight | SAE J 1453               | 420                                                                 | 460  | 460   | 460  | 420  | 420  | 420  | 350 | 275    | 210    |     |     |        |    |
| Dichtkopf ORFS - Bogen<br>ORFS-Nipples - Elbow               | FORFS - Bogen<br>FORFS - Elbow     | SAE J 1453               | 420                                                                 | 460  | 460   | 460  | 420  | 420  | 420  | 350 | 275    | 210    |     |     |        |    |
| SAE-Flanschnippel<br>SAE-Flanged Nipples                     | SFL 3000 P.S.I.                    | SAE J 518-1 / ISO 6162-1 |                                                                     |      |       |      | 350  |      | 350  | 350 | 280    | 210    | 210 | 175 | 160    |    |
| SAE-Flanschnippel<br>SAE-Flanged Nipples                     | SFS 6000 P.S.I.                    | SAE J 518-2 / ISO 6162-2 |                                                                     |      |       |      | 420  |      | 420  | 420 | 420    | 420    | 420 | 420 | 420    |    |
| Steck-O-Nippel<br>Quick-Disconnect O-Nipples                 | STN                                | DIN 20043                |                                                                     | 640  |       | 530  | 500  |      | 450  | 400 | 300    | 145    | 130 |     |        |    |
| Waschgeräte-Nippel<br>Waterwash-Nipples                      | DKO-KÄ                             |                          | 500                                                                 | 500  | 500   | 500  | 500  |      |      |     |        |        |     |     |        |    |

# ÜBERSICHTSTABELLE FASSUNGEN UND SCHLÄUCHE

## PRODUCT OVERVIEW OF FERRULES AND HOSES



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

In der Übersichtstabelle finden Sie die richtige Fassung zu Ihrem Schlauch.  
skive = schälen  
non skive = nicht schälen

Here you will find the correct ferrule to your hose.  
skive non skive

| Schlauch-Typ<br>Hose-Type |                       |             | 2 TE - EN 854               | 3 TE - EN 854               | 1 ST - EN 853               | 2 ST - EN 853               | 1 SN - EN 853<br>SAE 100 R1AT | 2 SN - EN 853<br>SAE 100 R2AT |
|---------------------------|-----------------------|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| DN                        | Größe<br>Size<br>dash | Zoll / inch | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type   | Fassung-Typ<br>Ferrule-Type   |
| 05                        | -03                   | 3/16"       |                             |                             |                             |                             | P1 non skive                  | P2 non skive                  |
| 06                        | -04                   | 1/4"        | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 08                        | -05                   | 5/16"       | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 10                        | -06                   | 3/8"        | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 12                        | -08                   | 1/2"        | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 16                        | -10                   | 5/8"        | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 19                        | -12                   | 3/4"        | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 25                        | -16                   | 1"          | P1 non skive                | P2 non skive                | P1 skive                    | P3 skive                    | P1 / P5 non skive<br>P1 skive | P2 / P5 non skive<br>P3 skive |
| 31                        | -20                   | 1 1/4"      |                             | P2 non skive                | P1 skive                    | P3 skive                    | P1 non skive<br>skive         | P8 non skive<br>P3 skive      |
| 38                        | -24                   | 1 1/2"      |                             | P2 non skive                | P1 skive                    | P3 skive                    | P1 non skive<br>skive         | P8 non skive<br>P3 skive      |
| 51                        | -32                   | 2"          |                             | P2 non skive                | P1 skive                    | P3 skive                    | P1 non skive<br>skive         | P8 non skive<br>P3 skive      |
| 60                        | -38                   | 2 3/8"      |                             | P2 non skive                |                             |                             |                               | P8 non skive                  |
| 63                        | -40                   | 2 1/2"      |                             |                             |                             |                             |                               |                               |
| 76                        | -48                   | 3"          |                             |                             |                             |                             |                               | P8 non skive                  |
| 80                        |                       |             |                             | P2 non skive                |                             |                             |                               |                               |



In der Übersichtstabelle finden Sie die richtige Fassung zu Ihrem Schlauch.

skive = schälen

non skive = nicht schälen

Here you will find the correct ferrule to your hose.

skive

non skive

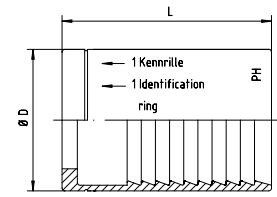
| 1 SC - EN 857               | 2 SC - EN 857                 | 4 SP - EN 856               | 4 SH - EN 856                            | R13 - EN 856                             | SAE 100 R15                              | R7 - EN 855<br>R8 - EN 855  | PTFE - glatt<br>PTFE - flat | PTFE - Well<br>PTFE - Convuluted |
|-----------------------------|-------------------------------|-----------------------------|------------------------------------------|------------------------------------------|------------------------------------------|-----------------------------|-----------------------------|----------------------------------|
| Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type   | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type<br>Interlock | Fassung-Typ<br>Ferrule-Type<br>Interlock | Fassung-Typ<br>Ferrule-Type<br>Interlock | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type | Fassung-Typ<br>Ferrule-Type      |
|                             |                               |                             |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     |                                  |
| P9 / PF-R7<br>non skive     | P1 / P5 non skive<br>P1 skive | P3Sp4-DN 06<br>skive        |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| P9 / PF-R7<br>non skive     | P1 / P5 non skive<br>P1 skive |                             |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| P9 / PF-R7<br>non skive     | P1 / P5 non skive<br>P1 skive | P3 skive                    |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| P9 / PF-R7<br>non skive     | P1 / P5 non skive<br>P1 skive | P3 skive                    |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| PF-R7<br>non skive          | P1 / P5 non skive<br>P1 skive | P3 skive                    |                                          |                                          |                                          | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| PF-R7<br>non skive          | P1 / P5 non skive<br>P1 skive | P3 skive                    | P4-I<br>internal+<br>external skive      | P6-I<br>internal+<br>external skive      | P7-I<br>internal+<br>external skive      | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| PF-R7<br>non skive          | P1 / P5 non skive<br>P1 skive | P3 skive                    | P4-I<br>internal+<br>external skive      | P6-I<br>internal+<br>external skive      | P7-I<br>internal+<br>external skive      | PF-R7 non<br>skive          | PF-PTFE                     | PF-W-PTFE                        |
| P9 non skive                | P8 non skive                  | P3 skive                    | P4-I<br>internal+<br>external skive      | P6-I<br>internal+<br>external skive      | P7-I<br>internal+<br>external skive      |                             |                             | PF-W-PTFE                        |
| P9 non skive                | P8 non skive                  | P3 skive                    | P4-I<br>internal+<br>external skive      | P6-I<br>internal+<br>external skive      | P7-I<br>internal+<br>external skive      |                             |                             |                                  |
| P9 non skive                | P8 non skive                  | P3Sp4-DN 51<br>skive        | P4-I<br>internal+<br>external skive      | P6-I<br>internal+<br>external skive      |                                          |                             |                             |                                  |
|                             |                               |                             |                                          |                                          |                                          |                             |                             |                                  |
|                             | P8 non skive                  |                             |                                          |                                          |                                          |                             |                             |                                  |
|                             | P8 non skive                  |                             |                                          |                                          |                                          |                             |                             |                                  |
|                             |                               |                             |                                          |                                          |                                          |                             |                             |                                  |

## **PF-PTFE**

Für Schlauchtyp:  
 PTFE-Schlauch, dicke Seele, mit 1 Klöppellage  
 Zu verwenden für Schlauchnippel Rubrik 2.

## **PF-PTFE**

For Hose Type:  
 PTFE-Hose, heavy wall, with 1 braid  
 To use for Hose Inserts Category 2.



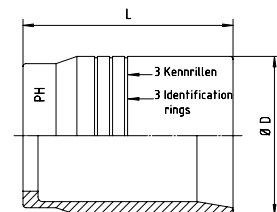
| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 05               | 3/16"      | 12                             | 24,5 |                      | PF-PTFE-DN 05                |
| 06               | 1/4"       | 14                             | 33,0 |                      | PF-PTFE-DN 06                |
| 08               | 5/16"      | 17                             | 33,0 |                      | PF-PTFE-DN 08                |
| 10               | 3/8"       | 19                             | 33,0 |                      | PF-PTFE-DN 10                |
| 12               | 1/2"       | 23                             | 35,0 |                      | PF-PTFE-DN 12                |
| 16               | 5/8"       | 27                             | 38,0 |                      | PF-PTFE-DN 16                |
| 19               | 3/4"       | 30                             | 44,0 |                      | PF-PTFE-DN 19                |
| 25               | 1"         | 37                             | 50,0 |                      | PF-PTFE-DN 25                |

## **PF-W-PTFE**

Für Schlauchtyp:  
 PT3W - PTFE-Wellenschlauch, mit 1 Klöppellage  
 Zu verwenden für Schlauchnippel Rubrik 2.

## **PF-W-PTFE**

For Hose Type:  
 PT3W - PTFE-Convolute-Hose, with 1 braid  
 To use for Hose Inserts Category 2.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 06               | 1/4"       | 18,0                           | 33,0 |                      | PF-W-PTFE-DN 06              |
| 08               | 5/16"      | 20,0                           | 33,0 |                      | PF-W-PTFE-DN 08              |
| 10               | 3/8"       | 23,5                           | 33,0 |                      | PF-W-PTFE-DN 10              |
| 12               | 1/2"       | 26,3                           | 35,0 |                      | PF-W-PTFE-DN 12              |
| 16               | 5/8"       | 30,0                           | 38,0 |                      | PF-W-PTFE-DN 16              |
| 19               | 3/4"       | 34,3                           | 44,0 |                      | PF-W-PTFE-DN 19              |
| 25               | 1"         | 40,6                           | 50,0 |                      | PF-W-PTFE-DN 25              |
| 31               | 1 1/4"     | 51,0                           | 66,0 |                      | PF-W-PTFE-DN 31              |

**PF-R7 - nicht schälen**

Für Schlauchtyp:

R7 - DIN EN 855

R8 - DIN EN 855

1SC - DIN EN 857 DN 06 - DN 25

Zu verwenden für Schlauchnippel Rubrik 2.

PF-R7 - non skive

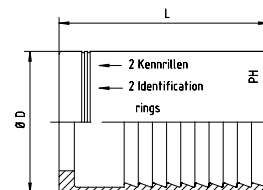
For Hose Type:

R7 - DIN EN 855

R8 - DIN EN 855

1SC - DIN EN 857 DN 06 - DN 25

To use for Hose Inserts Category 2.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 05               | 3/16"      | 14                             | 26,5 |                      | PF-R7-DN 05                  |
| 06               | 1/4"       | 18                             | 34,5 |                      | PF-R7-DN 06                  |
| 08               | 5/16"      | 19                             | 34,5 |                      | PF-R7-DN 08                  |
| 10               | 3/8"       | 22                             | 35,0 |                      | PF-R7-DN 10                  |
| 12               | 1/2"       | 25                             | 37,0 |                      | PF-R7-DN 12                  |
| 16               | 5/8"       | 30                             | 40,0 |                      | PF-R7-DN 16                  |
| 19               | 3/4"       | 33                             | 45,0 |                      | PF-R7-DN 19                  |
| 25               | 1"         | 40                             | 50,0 |                      | PF-R7-DN 25                  |

**P1**

Für Schlauchtyp:

2 TE - EN 854 - DN 06 - DN 25

1 ST - EN 853 - DN 06 - DN 51

1 SN - EN 853 + SAE 100 R1AT

2 SC - EN 857 - DN 06 - DN 25

Zu verwenden für Schlauchnippel Rubrik 2.

P1

For Hose Type:

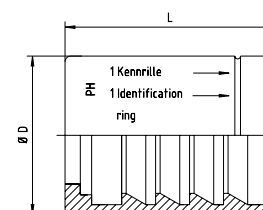
2 TE - EN 854 - DN 06 - DN 25

1 ST - EN 853 - DN 06 - DN 51

1 SN - EN 853 + SAE 100 R1AT

2 SC - EN 857 - DN 06 - DN 25

To use for Hose Inserts Category 2.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes         | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|------------------------------|------------------------------|
| DN               | in.        | D                              | L    |                              |                              |
| 05               | 3/16"      | 21                             | 23,0 | nur für 1 SN / only for 1 SN | P1-DN 05                     |
| 06               | 1/4"       | 20                             | 34,5 |                              | P1-DN 06                     |
| 08               | 5/16"      | 22                             | 34,5 |                              | P1-DN 08                     |
| 10               | 3/8"       | 25                             | 35,0 |                              | P1-DN 10                     |
| 12               | 1/2"       | 28                             | 37,0 |                              | P1-DN 12                     |
| 16               | 5/8"       | 32                             | 40,0 |                              | P1-DN 16                     |
| 19               | 3/4"       | 36                             | 45,0 |                              | P1-DN 19                     |
| 25               | 1"         | 45                             | 50,0 |                              | P1-DN 25                     |
| 31               | 1 1/4"     | 55                             | 70,0 |                              | P1-DN 31                     |
| 38               | 1 1/2"     | 60                             | 70,0 |                              | P1-DN 38                     |
| 51               | 2"         | 76                             | 80,0 |                              | P1-DN 51                     |

## **P3 - schälen**

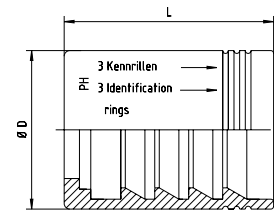
Für Schlauchtyp:

2 ST - DIN - EN 853

2 SN - DIN - EN 853 + SAE 100 R2AT

4 SP - DIN - EN 856

Zu verwenden für Schlauchnippel Rubrik 2.



## **P3 - skive**

For Hose Type:

2 ST - DIN - EN 853

2 SN - DIN - EN 853 + SAE 100 R2AT

4 SP - DIN - EN 856

To use for Hose Inserts Category 2.

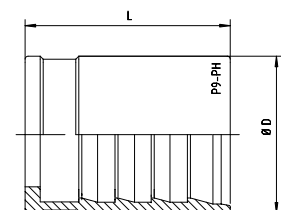
| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes               | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|------------------------------------|------------------------------|
| DN               | in.        | D                              | L    |                                    |                              |
| 06               | 1/4"       | 22                             | 34,5 | signiert mit Sp4 / marked with Sp4 | P3Sp4-DN 06                  |
| 06               | 1/4"       | 22                             | 34,5 | nicht für Sp4 / not for Sp4        | P3-DN 06                     |
| 08               | 5/16"      | 24                             | 34,5 |                                    | P3-DN 08                     |
| 10               | 3/8"       | 26                             | 35,0 |                                    | P3-DN 10                     |
| 12               | 1/2"       | 30                             | 37,0 |                                    | P3-DN 12                     |
| 16               | 5/8"       | 33                             | 40,0 |                                    | P3-DN 16                     |
| 19               | 3/4"       | 38                             | 45,0 |                                    | P3-DN 19                     |
| 25               | 1"         | 46                             | 50,0 |                                    | P3-DN 25                     |
| 31               | 1 1/4"     | 58                             | 70,0 |                                    | P3-DN 31                     |
| 38               | 1 1/2"     | 64                             | 70,0 |                                    | P3-DN 38                     |
| 51               | 2"         | 76                             | 80,0 | nicht für Sp4 / not for Sp4        | P3-DN 51                     |
| 51               | 2"         | 76                             | 80,0 | signiert mit Sp4 / marked with Sp4 | P3Sp4-DN 51                  |

## **P9 - nicht schälen**

Für Schlauchtyp:

1 SC - DIN - EN 857

Zu verwenden für Schlauchnippel Rubrik 2.



## **P9 - non skive**

For Hose Type:

1 SC - DIN - EN 857

To use for Hose Inserts Category 2.

| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 06               | 1/4"       | 18,0                           | 30,5 |                      | P9-DN 06                     |
| 08               | 5/16"      | 19,0                           | 32,0 |                      | P9-DN 08                     |
| 10               | 3/8"       | 22,0                           | 33,0 |                      | P9-DN 10                     |
| 12               | 1/2"       | 26,0                           | 34,0 |                      | P9-DN 12                     |
| 31               | 1 1/4"     | 48,0                           | 67,5 |                      | P9-DN 31                     |
| 38               | 1 1/2"     | 53,5                           | 66,0 |                      | P9-DN 38                     |
| 51               | 2"         | 69,0                           | 75,0 |                      | P9-DN 51                     |

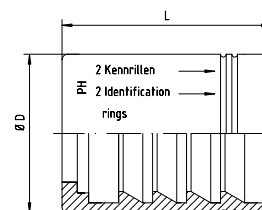
**P2 - nicht schälen**

Für Schlauchtyp:

2 SN - DIN - EN 853 + SAE 100 R2AT - DN 05 bis DN 25

3 TE - DIN - EN 854 + 3 TB - DN 06 - DN 80

Zu verwenden für Schlauchnippel Rubrik 2.



**P2 - non skive**

For Hose Type:

2 SN - DIN - EN 853 + SAE 100 R2AT - DN 05 up to DN 25

3 TE - DIN - EN 854 + 3 TB - DN 06 - DN 80

To use for Hose Inserts Category 2.

| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes         | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|------------------------------|------------------------------|
| DN               | in.        | D                              | L    |                              |                              |
| 05               | 3/16"      | 21                             | 23,0 | nur für 2 SN / only for 2 SN | P2-DN 05                     |
| 06               | 1/4"       | 22                             | 34,5 |                              | P2-DN 06                     |
| 08               | 5/16"      | 24                             | 34,5 |                              | P2-DN 08                     |
| 10               | 3/8"       | 26                             | 35,0 |                              | P2-DN 10                     |
| 12               | 1/2"       | 30                             | 37,0 |                              | P2-DN 12                     |
| 16               | 5/8"       | 33                             | 40,0 |                              | P2-DN 16                     |
| 19               | 3/4"       | 38                             | 45,0 |                              | P2-DN 19                     |
| 25               | 1"         | 46                             | 50,0 |                              | P2-DN 25                     |
| 31               | 1 1/4"     | 55                             | 70,0 | nicht für (not for) 2 SN     | P2-DN 31                     |
| 38               | 1 1/2"     | 60                             | 70,0 | nicht für (not for) 2 SN     | P2-DN 38                     |
| 51               | 2"         | 76                             | 80,0 | nicht für (not for) 2 SN     | P2-DN 51                     |
| 60               | 2 3/8"     | 82,5                           | 72,0 | nicht für (not for) 2 SN     | P2-DN 60                     |
| 80               |            | 108                            | 90,0 | nicht für (not for) 2 SN     | P2-DN 80                     |

**P8 - nicht schälen**

Für Schlauchtyp:

2 SN - EN 853 - DN 31 - DN 60 + DN 76

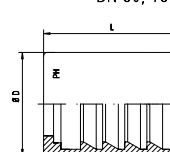
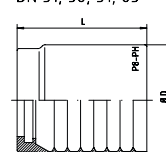
2 SC - EN 857 - DN 31 - DN 51 + DN 63 - DN 76

Zu verwenden für Schlauchnippel Rubrik 2.



DN 31, 38, 51, 63

DN 60, 76



**P8 - non skive**

For Hose Type:

2 SN - EN 853 - DN 31 - DN 60 + DN 76

2 SC - EN 857 - DN 31 - DN 51 + DN 63 - DN 76

To use for Hose Inserts Category 2.

| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 31               | 1 1/4"     | 59,0                           | 66,5 |                      | P8-DN 31                     |
| 38               | 1 1/2"     | 67,0                           | 67,0 |                      | P8-DN 38                     |
| 51               | 2"         | 80,0                           | 75,0 |                      | P8-DN 51                     |
| 60               | 2 3/8"     | 82,5                           | 72,0 |                      | P8-DN 60                     |
| 63               | 2 1/2"     | 89,0                           | 69,0 |                      | P8-DN 63                     |
| 76               | 3"         | 103,0                          | 75,0 |                      | P8-DN 76                     |

P5 - nicht schälen

Für Schlauchtyp:

1 SN - DIN - EN 853

2 SN - DIN - EN 853

2 SC - DIN - EN 857

Zu verwenden für Schlauchnippel Rubrik 2.

P5 - non skive

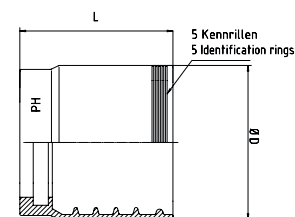
For Hose Type:

1 SN - DIN - EN 853

2 SN - DIN - EN 853

2 SC - DIN - EN 857

To use for Hose Inserts Category 2.

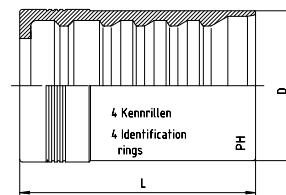


| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |      | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|------|----------------------|------------------------------|
| DN               | in.        | D                              | L    |                      |                              |
| 06               | 1/4"       | 23                             | 31,7 |                      | P5-DN 06                     |
| 08               | 5/16"      | 24                             | 31,5 |                      | P5-DN 08                     |
| 10               | 3/8"       | 26                             | 33,3 |                      | P5-DN 10                     |
| 12               | 1/2"       | 29                             | 34,5 |                      | P5-DN 12                     |
| 16               | 5/8"       | 33                             | 39,0 |                      | P5-DN 16                     |
| 19               | 3/4"       | 37                             | 44,0 |                      | P5-DN 19                     |
| 25               | 1"         | 46                             | 45,7 |                      | P5-DN 25                     |



Mit Ausreißsicherung - Schwere Reihe  
 Interlock Serie  
 Außen und innen schälen  
 Zu verwenden für Schlauchnippel Rubrik 3.

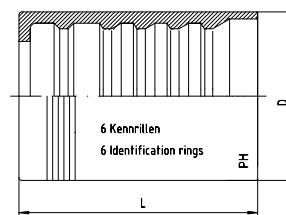
With Wire Trap Area - Heavy Series  
 Interlock Series  
 External and internal skive  
 To use for Hose Inserts Category 3.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |     | Für Schlauchtyp<br>For Hose Type | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|-----|----------------------------------|----------------------|------------------------------|
| DN               | in.        | D                              | L   |                                  |                      |                              |
| 19               | 3/4"       | 38                             | 56  | 4 SP + 4 SH                      |                      | P4-I-DN 19                   |
| 25               | 1"         | 46                             | 75  | 4 SP + 4 SH + R 12               |                      | P4-I-DN 25                   |
| 31               | 1 1/4"     | 55                             | 85  | 4 SH                             |                      | P4-I-DN 31                   |
| 38               | 1 1/2"     | 64                             | 100 | 4 SH                             |                      | P4-I-DN 38                   |
| 51               | 2"         | 78                             | 103 | 4 SH                             |                      | P4-I-DN 51                   |

Mit Ausreißsicherung - Schwere Reihe  
 Interlock Serie  
 Außen und innen schälen  
 Zu verwenden für Schlauchnippel Rubrik 3.

With Wire Trap Area - Heavy Series  
 Interlock Series  
 External and internal skive  
 To use for Hose Inserts Category 3.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |     | Für Schlauchtyp<br>For Hose Type | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|-----|----------------------------------|----------------------|------------------------------|
| DN               | in.        | D                              | L   |                                  |                      |                              |
| 19               | 3/4"       | 38,0                           | 56  | R 13                             |                      | P6-I-DN 19                   |
| 25               | 1"         | 46,0                           | 75  | R 13                             |                      | P6-I-DN 25                   |
| 31               | 1 1/4"     | 60,0                           | 85  | R 13                             |                      | P6-I-DN 31                   |
| 38               | 1 1/2"     | 70,0                           | 100 | R 13                             |                      | P6-I-DN 38                   |
| 51               | 2"         | 84,5                           | 103 | R 13                             |                      | P6-I-DN 51                   |

# INTERLOCK-FASSUNGEN

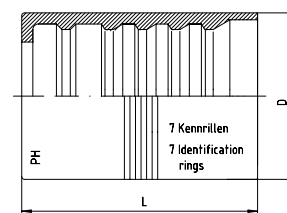
## INTERLOCK-FERRULES



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

Mit Ausreißsicherung - Schwere Reihe  
Interlock Serie  
Außen und innen schälen  
Zu verwenden für Schlauchnippel Rubrik 3.

With Wire Trap Area - Heavy Series  
Interlock Series  
External and internal skive  
To use for Hose Inserts Category 3.



| Schlauch<br>Hose | DN<br>Bore | Ca. Maße<br>Approx. Dimensions |     | Für Schlauchtyp<br>For Hose Type | Bemerkungen<br>Notes | Bestellzeichen<br>Order-Code |
|------------------|------------|--------------------------------|-----|----------------------------------|----------------------|------------------------------|
| DN               | in.        | D                              | L   |                                  |                      |                              |
| 19               | 3/4"       | 38                             | 56  | R 15                             |                      | P7-I-DN 19                   |
| 25               | 1"         | 46                             | 75  | R 15                             |                      | P7-I-DN 25                   |
| 31               | 1 1/4"     | 60                             | 85  | R 15                             |                      | P7-I-DN 31                   |
| 38               | 1 1/2"     | 70                             | 100 | R 15                             |                      | P7-I-DN 38                   |



Pressfassung: P1 - nicht schälen - Rubrik 2.11

Seele: Öl und wasserbeständiges synthetisches Gummi  
Druckträger: Ein Textilgeflecht  
Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon- und Wetterfestigkeit  
Dauerbetrieb: -40°C bis +100°C  
Max. Betriebstemperatur: 135°C  
Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykollbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



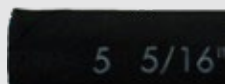
Swage Ferrule: P1 - non skive - Category 2.11

Tube: Oil and water Resistant Synthetic Rubber  
Reinforcement: One Textile Braid  
Cover: Synthetic Rubber with High Abrasion, Ozone and Weather Resistance  
Continuous Service: -40°C to +100°C  
Max. Operating Temperature: 135°C  
Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

| <div><div></div><div></div><div></div><div></div><div></div></div> |           |       |      |      |                       |        |                     |        |                  |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------|------|-----------------------|--------|---------------------|--------|------------------|-------------|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Größe     |       | I.D. | A.D. | Max. Betriebsdruck    |        | Min. Berstdruck     |        | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hose Size |       | I.D. | O.D. | Max. Working Pressure |        | Min. Burst Pressure |        | Min. Bend Radius | Notes       |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | dash      | in.   | mm   | mm   | bar                   | P.S.I. | bar                 | P.S.I. | mm               |             |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -4        | 1/4"  | 6,4  | 13,0 | 75                    | 1080   | 300                 | 4350   | 40               |             |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -5        | 5/16" | 7,9  | 14,6 | 68                    | 980    | 272                 | 3940   | 50               |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -6        | 3/8"  | 9,5  | 16,1 | 63                    | 910    | 252                 | 3650   | 60               |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -8        | 1/2"  | 12,7 | 19,2 | 58                    | 840    | 232                 | 3360   | 70               |             |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -10       | 5/8"  | 15,9 | 23,6 | 50                    | 720    | 200                 | 2900   | 90               |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -12       | 3/4"  | 19,0 | 26,5 | 45                    | 650    | 180                 | 2610   | 110              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -16       | 1"    | 25,4 | 33,4 | 40                    | 580    | 160                 | 2320   | 130              |             |

Pressfassung: P1  
Swage Ferrule: P1

nicht schälen  
non skive



| Fassung-Typ      | nicht schälen | Pressdurchmesser |
|------------------|---------------|------------------|
| Ferrule-Type     | non skive     | Swage Diameter   |
|                  |               | mm               |
| P1-DN 06 (1/4")  | "             | 17,2             |
| P1-DN 08 (5/16") | "             | 18,7             |
| P1-DN 10 (3/8")  | "             | 21,8             |
| P1-DN 12 (1/2")  | "             | 24,5             |
| P1-DN 16 (5/8")  | "             | 28,5             |
| P1-DN 19 (3/4")  | "             | 31,5             |
| P1-DN 25 (1")    | "             | 39,0             |

# DIN EN 854 / 3 TE

DIN EN 854 / 3 TE



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

Pressfassung: P2 - nicht schälen - Rubrik 2.14

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Zwei Textilgeflechte

Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon- und Wetterfestigkeit

DN 60 + DN 80 mit zusätzlicher Stahldrahtspirale

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 135°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



Swage Ferrule: P2 - non skive - Category 2.14

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Two Textile Braids

Cover: Synthetic Rubber with High Abrasion, Ozone and Weather Resistance

DN 60 + DN 80 with Steel Helical Body Wire

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 135°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

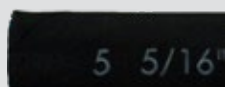
| DN<br>DN | Größe<br>Hose Size |          | I.D.<br>I.D. | A.D.<br>O.D. | Max. Betriebsdruck<br>Max. Working Pressure |        | Min. Berstdruck<br>Min. Burst Pressure |        | Min. Biegeradius<br>Min. Bend Radius | Bemerkungen<br>Notes |
|----------|--------------------|----------|--------------|--------------|---------------------------------------------|--------|----------------------------------------|--------|--------------------------------------|----------------------|
|          | mm                 | dash in. |              |              | bar                                         | P.S.I. | bar                                    | P.S.I. |                                      |                      |
| 06       | -4                 | 1/4"     | 6,4          | 14,2         | 145                                         | 2100   | 580                                    | 8410   | 45                                   |                      |
| 08       | -5                 | 5/16"    | 7,9          | 16,6         | 130                                         | 1880   | 520                                    | 7540   | 55                                   |                      |
| 10       | -6                 | 3/8"     | 9,5          | 18,2         | 110                                         | 1590   | 440                                    | 6380   | 70                                   |                      |
| 12       | -8                 | 1/2"     | 12,7         | 21,5         | 93                                          | 1340   | 372                                    | 5390   | 85                                   |                      |
| 16       | -10                | 5/8"     | 15,9         | 25,6         | 80                                          | 1160   | 320                                    | 4640   | 105                                  |                      |
| 19       | -12                | 3/4"     | 19,0         | 28,8         | 70                                          | 1010   | 280                                    | 4060   | 130                                  |                      |
| 25       | -16                | 1"       | 25,4         | 35,4         | 55                                          | 790    | 220                                    | 3190   | 150                                  |                      |
| 31       | -20                | 1 1/4"   | 31,8         | 42,5         | 45                                          | 650    | 180                                    | 2610   | 190                                  |                      |
| 38       | -24                | 1 1/2"   | 38,1         | 49,4         | 40                                          | 580    | 160                                    | 2320   | 240                                  |                      |
| 51       | -32                | 2"       | 50,8         | 62,2         | 33                                          | 470    | 132                                    | 1910   | 300                                  |                      |
| 60       | -38                | 2 3/8"   | 60,0         | 72,0         | 25                                          | 360    | 100                                    | 1450   | 400                                  |                      |
| 80       |                    | 3"       | 80,0         | 94,0         | 18                                          | 260    | 72                                     | 1040   | 500                                  |                      |

Pressfassung: P2

Swage Ferrule: P2

nicht schälen

non skive



| Fassung-Typ<br>Ferrule-Type |          | nicht schälen<br>non skive | Pressdurchmesser<br>Swage Diameter |
|-----------------------------|----------|----------------------------|------------------------------------|
|                             |          |                            | mm                                 |
| P2-DN 06                    | (1/4")   | "                          | 18,0                               |
| P2-DN 08                    | (5/16")  | "                          | 20,5                               |
| P2-DN 10                    | (3/8")   | "                          | 22,3                               |
| P2-DN 12                    | (1/2")   | "                          | 26,0                               |
| P2-DN 16                    | (5/8")   | "                          | 29,0                               |
| P2-DN 19                    | (3/4")   | "                          | 33,5                               |
| P2-DN 25                    | (1")     | "                          | 39,5                               |
| P2-DN 31                    | (1 1/4") | "                          | 49,5                               |
| P2-DN 38                    | (1 1/2") | "                          | 54,0                               |
| P2-DN 51                    | (2")     | "                          | 70,0                               |
| P2-DN 60                    | (2 3/8") | "                          | 76,0                               |
| P2-DN 80                    |          | "                          | 103,0                              |



Pressfassung: P1 - schälen - Rubrik 2.11

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Ein hochzugfestes Stahldrahtgeflecht

Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykollbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



Swage Ferrule: P1 - skive - Category 2.11

Oil and water Resistant Synthetic Rubber

Reinforcement: One High Tensile Steel Braid

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-----------------|------|-----------------------|--------|---------------------|--------|------------------|-------------|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Größe     |        | I.D. | A.D. über Draht | A.D. | Max. Betriebsdruck    |        | Min. Berstdruck     |        | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Hose Size |        | I.D. | R.O.D.          | O.D. | Max. Working Pressure |        | Min. Burst Pressure |        | Min. Bend Radius |             |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dash      | in.    | mm   | mm              | mm   | bar                   | P.S.I. | bar                 | P.S.I. | mm               |             |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -4        | 1/4"   | 6,4  | 11,1            | 15,9 | 225                   | 3265   | 900                 | 13050  | 100              |             |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -5        | 5/16"  | 7,9  | 12,7            | 17,5 | 215                   | 3120   | 850                 | 12320  | 115              |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -6        | 3/8"   | 9,5  | 15,1            | 19,9 | 180                   | 2610   | 720                 | 10440  | 130              |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -8        | 1/2"   | 12,7 | 18,3            | 23,0 | 160                   | 2320   | 640                 | 9280   | 180              |             |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -10       | 5/8"   | 15,9 | 21,5            | 26,2 | 130                   | 1885   | 520                 | 7540   | 200              |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -12       | 3/4"   | 19,0 | 25,2            | 30,0 | 105                   | 1520   | 420                 | 6090   | 240              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -16       | 1"     | 25,4 | 33,1            | 37,8 | 88                    | 1270   | 350                 | 5070   | 300              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -20       | 1 1/4" | 31,8 | 40,6            | 45,8 | 63                    | 910    | 250                 | 3620   | 420              |             |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -24       | 1 1/2" | 38,1 | 47,0            | 52,1 | 50                    | 725    | 200                 | 2900   | 500              |             |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -32       | 2"     | 50,8 | 60,4            | 66,4 | 40                    | 580    | 160                 | 2320   | 630              |             |

Pressfassung: P1  
Swage Ferrule: P1

für schälen  
for skive



| Fassung-Typ       | Schällänge - La   | Pressdurchmesser |
|-------------------|-------------------|------------------|
| Ferrule-Type      | Skive Length - La | Swage Diameter   |
|                   | mm                | mm               |
| P1-DN 06 (1/4")   | 25,0              | 16,4             |
| P1-DN 08 (5/16")  | 25,0              | 18,3             |
| P1-DN 10 (3/8")   | 25,5              | 21,3             |
| P1-DN 12 (1/2")   | 28,5              | 23,6             |
| P1-DN 16 (5/8")   | 30,0              | 27,0             |
| P1-DN 19 (3/4")   | 35,0              | 31,0             |
| P1-DN 25 (1")     | 39,0              | 39,0             |
| P1-DN 31 (1 1/4") | 55,5              | 49,0             |
| P1-DN 38 (1 1/2") | 55,5              | 53,3             |
| P1-DN 51 (2")     | 66,0              | 68,2             |

# SAE 100 R2A - DIN EN 853 / 2 ST

SAE 100 R2A - DIN EN 853 / 2 ST



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

Pressfassung: P3 - schälen - Rubrik 2.13

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Zwei hochzugfeste Stahldrahtgeflechte

Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykollbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



Swage Ferrule: P3 - skive - Category 2.13

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

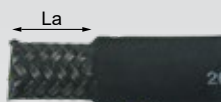
Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-----------|------|-----------------------|---------------------|------------------|-------------|-----|--|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Größe     |        | I.D. | A.D. über | A.D. | Max. Betriebsdruck    | Min. Berstdruck     | Min. Biegeradius | Bemerkungen |     |  |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hose Size |        | I.D. | R.O.D.    | O.D. | Max. Working Pressure | Min. Burst Pressure | Min. Bend Radius | Notes       |     |  |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dash      | in.    | mm   | mm        | mm   | bar                   | P.S.I.              | bar              | P.S.I.      | mm  |  |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -4        | 1/4"   | 6,4  | 12,7      | 17,2 | 400                   | 5800                | 1600             | 23200       | 100 |  |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -5        | 5/16"  | 7,9  | 14,3      | 18,9 | 350                   | 5070                | 1400             | 20300       | 115 |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -6        | 3/8"   | 9,5  | 16,7      | 21,3 | 330                   | 4780                | 1320             | 19140       | 130 |  |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -8        | 1/2"   | 12,7 | 19,8      | 24,5 | 275                   | 3980                | 1100             | 15950       | 180 |  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -10       | 5/8"   | 15,9 | 23,0      | 27,7 | 250                   | 3620                | 1000             | 14500       | 200 |  |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -12       | 3/4"   | 19,0 | 27,0      | 31,6 | 215                   | 3120                | 850              | 12320       | 240 |  |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -16       | 1"     | 25,4 | 34,8      | 39,5 | 165                   | 2790                | 660              | 9570        | 300 |  |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -20       | 1 1/4" | 31,8 | 44,3      | 50,6 | 125                   | 1810                | 500              | 7250        | 420 |  |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -24       | 1 1/2" | 38,1 | 50,7      | 57,0 | 90                    | 1300                | 360              | 5220        | 500 |  |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -32       | 2"     | 50,8 | 63,5      | 69,8 | 80                    | 1160                | 320              | 4640        | 630 |  |

Pressfassung: P3

Swage Ferrule: P3

für schälen  
for skive



| Fassung-Typ       | Schällänge - La   | Pressdurchmesser |
|-------------------|-------------------|------------------|
| Ferrule-Type      | Skive Length - La | Swage Diameter   |
|                   | mm                | mm               |
| P3-DN 06 (1/4")   | 25,0              | 18,8             |
| P3-DN 08 (5/16")  | 25,0              | 20,7             |
| P3-DN 10 (3/8")   | 25,0              | 22,8             |
| P3-DN 12 (1/2")   | 27,0              | 26,2             |
| P3-DN 16 (5/8")   | 28,0              | 29,3             |
| P3-DN 19 (3/4")   | 33,5              | 33,5             |
| P3-DN 25 (1")     | 38,0              | 41,6             |
| P3-DN 31 (1 1/4") | 55,0              | 52,4             |
| P3-DN 38 (1 1/2") | 56,0              | 57,0             |
| P3-DN 51 (2")     | 66,0              | 71,0             |



**Pressfassung:**

P1 - schälen und nicht schälen - Rubrik 2.11

P5 - nicht schälen - Rubrik 2.16

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Ein hochzugfestes Stahldrahtgeflecht

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon- und Abriebfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykollbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



**Swage Ferrule:**

P1 - skive and non skive - Category 2.11

P5 - non skive - Category 2.16

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil,

Water / Oil Emulsions, Water

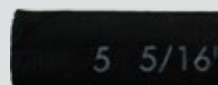
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| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Größe     |        | I.D. | A.D. über    | A.D. | Max. Betriebsdruck    |        | Min. Berstdruck     |        | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hose Size |        | I.D. | Draht R.O.D. | O.D. | Max. Working Pressure |        | Min. Burst Pressure |        | Min. Bend Radius | Notes       |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dash      | in.    | mm   | mm           | mm   | bar                   | P.S.I. | bar                 | P.S.I. | mm               |             |
| 05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -3        | 3/16"  | 4,8  | 9,5          | 11,5 | 250                   | 3620   | 1000                | 14500  | 90               |             |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -4        | 1/4"   | 6,4  | 11,2         | 13,2 | 225                   | 3260   | 900                 | 13050  | 100              |             |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -5        | 5/16"  | 7,9  | 12,8         | 14,8 | 215                   | 3110   | 850                 | 12320  | 115              |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -6        | 3/8"   | 9,5  | 15,1         | 17,1 | 180                   | 2610   | 720                 | 10440  | 125              |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -8        | 1/2"   | 12,7 | 18,1         | 20,1 | 160                   | 2320   | 640                 | 9280   | 180              |             |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -10       | 5/8"   | 15,9 | 21,3         | 23,3 | 130                   | 1880   | 520                 | 7540   | 200              |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -12       | 3/4"   | 19,0 | 25,3         | 27,3 | 105                   | 1520   | 420                 | 6090   | 240              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -16       | 1"     | 25,4 | 33,1         | 35,7 | 88                    | 1270   | 350                 | 5070   | 300              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -20       | 1 1/4" | 31,8 | 40,6         | 43,3 | 63                    | 910    | 250                 | 3620   | 420              |             |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -24       | 1 1/2" | 38,1 | 47,0         | 49,7 | 50                    | 720    | 200                 | 2900   | 500              |             |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -32       | 2"     | 50,8 | 60,4         | 63,1 | 40                    | 580    | 160                 | 2320   | 630              |             |

Pressfassung: P1  
Swage Ferrule: P1

für schälen  
for skive

Pressfassung: P1 / P5  
Swage Ferrule: P1 / P5

nicht schälen  
non skive



| Fassung-Typ       | Schällänge - La   | Pressdurchmesser | nicht schälen     | Pressdurchmesser |
|-------------------|-------------------|------------------|-------------------|------------------|
| Ferrule-Type      | Skive Length - La | Swage Diameter   | non skive         | Swage Diameter   |
|                   | mm                | mm               |                   | mm               |
| P1-DN 05 (3/16")  |                   |                  | P1-DN 05 (3/16")  | 16,1             |
| P1-DN 06 (1/4")   | 25,0              | 16,4             | P1-DN 06 (1/4")   | 16,7             |
| P1-DN 08 (5/16")  | 25,0              | 18,3             | P1-DN 08 (5/16")  | 18,9             |
| P1-DN 10 (3/8")   | 25,5              | 21,3             | P1-DN 10 (3/8")   | 21,8             |
| P1-DN 12 (1/2")   | 28,5              | 23,6             | P1-DN 12 (1/2")   | 24,5             |
| P1-DN 16 (5/8")   | 30,0              | 27,0             | P1-DN 16 (5/8")   | 28,0             |
| P1-DN 19 (3/4")   | 35,0              | 31,0             | P1-DN 19 (3/4")   | 31,0             |
| P1-DN 25 (1")     | 39,0              | 38,9             | P1-DN 25 (1")     | 39,5             |
| P1-DN 31 (1 1/4") | 55,5              | 49,0             | P1-DN 31 (1 1/4") | 49,7             |
| P1-DN 38 (1 1/2") | 55,5              | 53,3             | P1-DN 38 (1 1/2") | 54,5             |
| P1-DN 51 (2")     | 66,0              | 68,2             | P1-DN 51 (2")     | 70,5             |
|                   |                   |                  | P5-DN 06 (1/4")   | 17,9             |
|                   |                   |                  | P5-DN 08 (5/16")  | 18,8             |
|                   |                   |                  | P5-DN 10 (3/8")   | 20,6             |
|                   |                   |                  | P5-DN 12 (1/2")   | 23,6             |
|                   |                   |                  | P5-DN 16 (5/8")   | 27,5             |
|                   |                   |                  | P5-DN 19 (3/4")   | 30,0             |
|                   |                   |                  | P5-DN 25 (1")     | 38,5             |

# SAE 100 R2AT - DIN EN 853 / 2 SN

## SAE 100 R2AT - DIN EN 853 / 2 SN



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

### Pressfassung:

P3 - schälen - DN 06 bis DN 51 - Rubrik 2.13  
P2 - nicht schälen - DN 05 bis DN 25 - Rubrik 2.14  
P8 - nicht schälen - DN 31 bis DN 76 - Rubrik 2.15  
P5 - nicht schälen - DN 06 bis DN 25 Rubrik 2.16

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Zwei hochzugfeste Stahldrahtgeflechte

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon- und Abriebfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



### Swage Ferrule:

P3 - skive - DN 06 up to DN 51 - Category 2.13

P2 - non skive - DN 05 up to DN 25 - Category 2.14

P8 - non skive - DN 31 up to DN 76 - Category 2.15

P5 - non skive - DN 06 up to DN 25 Category 2.16

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

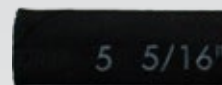
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-----------|------|-----------------------|---------------------|------------------|-------------|-----|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Größe     |        | I.D. | A.D. über | A.D. | Max. Betriebsdruck    | Min. Berstdruck     | Min. Biegeradius | Bemerkungen |     |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hose Size |        | I.D. | Draht     | O.D. | Max. Working Pressure | Min. Burst Pressure | Min. Bend Radius | Notes       |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |        |      | R.O.D.    |      |                       |                     |                  |             |     |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dash      | in.    | mm   | mm        | mm   | bar                   | P.S.I.              | bar              | P.S.I.      | mm  |
| 05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -3        | 3/16"  | 4,8  | 11,3      | 13,3 | 415                   | 6010                | 1650             | 23920       | 89  |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -4        | 1/4"   | 6,4  | 12,7      | 14,7 | 400                   | 5800                | 1600             | 23200       | 100 |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -5        | 5/16"  | 7,9  | 14,3      | 16,3 | 350                   | 5070                | 1400             | 20300       | 114 |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -6        | 3/8"   | 9,5  | 16,7      | 18,7 | 330                   | 4780                | 1320             | 19140       | 127 |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -8        | 1/2"   | 12,7 | 19,8      | 21,8 | 275                   | 3980                | 1100             | 15950       | 178 |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -10       | 5/8"   | 15,9 | 23,0      | 25,0 | 250                   | 3620                | 1000             | 14500       | 200 |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -12       | 3/4"   | 19,0 | 27,0      | 29,0 | 215                   | 3110                | 850              | 12320       | 240 |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -16       | 1"     | 25,4 | 34,8      | 36,8 | 165                   | 2390                | 650              | 9420        | 300 |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -20       | 1 1/4" | 31,8 | 44,3      | 47,0 | 125                   | 1810                | 500              | 7250        | 419 |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -24       | 1 1/2" | 38,1 | 50,7      | 53,4 | 90                    | 1300                | 360              | 5220        | 500 |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -32       | 2"     | 50,8 | 63,5      | 66,2 | 80                    | 1160                | 320              | 4640        | 630 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -38       | 2 3/8" | 60,0 | 68,8      | 71,5 | 90                    | 1300                | 360              | 5220        | 650 |
| 76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -48       | 3"     | 76,2 | 87,8      | 90,5 | 45                    | 650                 | 180              | 2610        | 900 |

Pressfassung: P3  
Swage Ferrule: P3

für schälen  
for skive

Pressfassung: P2 / P5 / P8  
Swage Ferrule: P2 / P5 / P8

nicht schälen  
non skive



| Fassung-Typ       | Schällänge - La   | Pressdurchmesser | Fassung-Typ       | nicht schälen | Pressdurchmesser |
|-------------------|-------------------|------------------|-------------------|---------------|------------------|
| Ferrule-Type      | Skive Length - La | Swage Diameter   | Ferrule-Type      | non skive     | Swage Diameter   |
|                   | mm                | mm               |                   |               | mm               |
| P3-DN 06 (1/4")   | 25,0              | 18,8             | P2-DN 05 (3/16")  | "             | 16,8             |
| P3-DN 08 (5/16")  | 25,0              | 20,5             | P2-DN 06 (1/4")   | "             | 18,5             |
| P3-DN 10 (3/8")   | 25,0              | 22,8             | P2-DN 08 (5/16")  | "             | 20,0             |
| P3-DN 12 (1/2")   | 27,0              | 26,2             | P2-DN 10 (3/8")   | "             | 22,3             |
| P3-DN 16 (5/8")   | 28,0              | 29,3             | P2-DN 12 (1/2")   | "             | 26,1             |
| P3-DN 19 (3/4")   | 33,5              | 33,5             | P2-DN 16 (5/8")   | "             | 28,4             |
| P3-DN 25 (1")     | 38,0              | 41,6             | P2-DN 19 (3/4")   | "             | 33,5             |
| P3-DN 31 (1 1/4") | 55,0              | 52,4             | P2-DN 25 (1")     | "             | 40,5             |
| P3-DN 38 (1 1/2") | 56,0              | 57,0             | P5-DN 06 (1/4")   | "             | 18,6             |
| P3-DN 51 (2")     | 66,0              | 71,0             | P5-DN 08 (5/16")  | "             | 19,7             |
|                   |                   |                  | P5-DN 10 (3/8")   | "             | 21,4             |
|                   |                   |                  | P5-DN 12 (1/2")   | "             | 24,3             |
|                   |                   |                  | P5-DN 16 (5/8")   | "             | 28,1             |
|                   |                   |                  | P5-DN 19 (3/4")   | "             | 31,9             |
|                   |                   |                  | P5-DN 25 (1")     | "             | 40,0             |
|                   |                   |                  | P8-DN 31 (1 1/4") | "             | 50,0             |
|                   |                   |                  | P8-DN 38 (1 1/2") | "             | 59,0             |
|                   |                   |                  | P8-DN 51 (2")     | "             | 72,3             |
|                   |                   |                  | P8-DN 60 (2 3/8") | "             | 76,1             |
|                   |                   |                  | P8-DN 76 (3")     | "             | 96,0             |



**Pressfassung:**

P9 - nicht schälen - DN 06 bis DN 12 und DN 31 bis DN 51 - Rubrik 2.12

PF - R7 nicht schälen - DN 06 - DN 25 - Rubrik 2.10

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Ein hochzugfestes Stahldrahtgeflecht

Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser



**Swage Ferrule:**

P9 - non skive - DN 06 up to DN 12 and DN 31 up to DN 51 - Category 2.12

PF - R7 non skive - DN 06 - DN 25 - Category 2.10

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: One High Tensile Steel Braid

Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil,

Water / Oil Emulsions, Water

| DN | Größe     |        |      |                        |           |                                          |                                     |                                   |                   |     |  |
|----|-----------|--------|------|------------------------|-----------|------------------------------------------|-------------------------------------|-----------------------------------|-------------------|-----|--|
| DN | Hose Size |        | I.D. | A.D. über Draht R.O.D. | A.D. O.D. | Max. Betriebsdruck Max. Working Pressure | Min. Berstdruck Min. Burst Pressure | Min. Biegeradius Min. Bend Radius | Bemerkungen Notes |     |  |
| mm | dash      | in.    | mm   | mm                     | mm        | bar                                      | P.S.I.                              | bar                               | P.S.I.            | mm  |  |
| 06 | -4        | 1/4"   | 6,4  | 10,2                   | 12,0      | 225                                      | 3260                                | 900                               | 15220             | 50  |  |
| 08 | -5        | 5/16"  | 7,9  | 11,5                   | 13,6      | 215                                      | 3110                                | 860                               | 14500             | 60  |  |
| 10 | -6        | 3/8"   | 9,5  | 13,6                   | 15,5      | 180                                      | 2610                                | 720                               | 12320             | 60  |  |
| 12 | -8        | 1/2"   | 12,7 | 17,1                   | 18,9      | 160                                      | 2320                                | 640                               | 9570              | 70  |  |
| 16 | -10       | 5/8"   | 15,9 | 20,6                   | 22,4      | 130                                      | 1880                                | 520                               | 8990              | 90  |  |
| 19 | -12       | 3/4"   | 19,0 | 23,9                   | 25,9      | 105                                      | 1520                                | 420                               | 6960              | 100 |  |
| 25 | -16       | 1"     | 25,4 | 31,3                   | 33,3      | 88                                       | 1270                                | 352                               | 5510              | 160 |  |
| 31 | -20       | 1 1/4" | 31,7 | 38,4                   | 40,9      | 75                                       | 1080                                | 300                               | 4350              | 210 |  |
| 38 | -24       | 1 1/2" | 39,0 | 45,0                   | 47,6      | 50                                       | 720                                 | 200                               | 2900              | 300 |  |
| 51 | -32       | 2"     | 51,3 | 58,0                   | 60,5      | 50                                       | 720                                 | 200                               | 2900              | 400 |  |

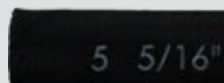
Pressfassung : P9 - DN 06 - DN 12 /  
PF - R7 - DN 06 - DN 25

nicht schälen  
non skive

Swage Ferrule: P9 - DN 06 - DN 12 /  
PF - R7 - DN 06 - DN 25

P7-R7

P9



| Fassung-Typ<br>Ferrule-Type | nicht schälen<br>non skive | Pressdurchmesser<br>Swage Diameter |
|-----------------------------|----------------------------|------------------------------------|
|                             |                            | mm                                 |
| P9-DN 06 (1/4")             | "                          | 15,0                               |
| P9-DN 08 (5/16")            | "                          | 16,3                               |
| P9-DN 10 (3/8")             | "                          | 18,6                               |
| P9-DN 12 (1/2")             | "                          | 22,7                               |
| P9-DN 31 (1 1/4")           | "                          | 44,8                               |
| P9-DN 38 (1 1/2")           | "                          | 51,8                               |
| P9-DN 51 (2")               | "                          | 64,4                               |
| PF-R7-DN 06 (1/4")          | "                          | 15,2                               |
| PF-R7-DN 08 (5/16")         | "                          | 15,7                               |
| PF-R7-DN 10 (3/8")          | "                          | 18,7                               |
| PF-R7-DN 12 (1/2")          | "                          | 21,2                               |
| PF-R7-DN 16 (5/8")          | "                          | 25,5                               |
| PF-R7-DN 19 (3/4")          | "                          | 28,8                               |
| PF-R7-DN 25 (1")            | "                          | 36,3                               |

**Pressfassung:**

P1 - schälen und nicht schälen DN 06 bis DN 25 - Rubrik 2.11

P5 - nicht schälen DN 06 bis DN 25 - Rubrik 2.16

P8 - nicht schälen DN 31 bis DN 76 - Rubrik 2.15

Seele: Öl beständiges synthetisches Gummi

Druckträger: Zwei hochzugfeste Stahldrahtgeflechte

Decke: Synthetisches Gummi mit hoher Abrieb-, Ozon-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen, Wasser

**Swage Ferrule:**

P1 - skive and non skive DN 06 up to DN 25 - Category 2.11

P5 - non skive DN 06 up to DN 25- Category 2.16

P8 - non skive DN 31 up to DN 76- Category 2.15

Tube: Oil Resistant Synthetic Rubber

Reinforcement: Two High Tensile Steel Braids

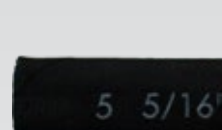
Cover: Synthetic Rubber with High Abrasion, Ozone, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Rape Seed Oil, Poly Glycol Base Oil, Synthetic Esther Base Oil, Water / Oil Emulsions, Water

| <div><div></div></div> |           |        |      |           |      |                       |      |                     |       |                  |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-----------|------|-----------------------|------|---------------------|-------|------------------|-------------|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Größe     |        | I.D. | A.D. über | A.D. | Max. Betriebsdruck    |      | Min. Berstdruck     |       | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hose Size |        | I.D. | Draht     | O.D. | Max. Working Pressure |      | Min. Burst Pressure |       | Min. Bend Radius | Notes       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | mm        | dash   | in.  | mm        | mm   | mm                    | bar  | P.S.I.              | bar   | P.S.I.           | mm          |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -4        | 1/4"   | 6,4  | 11,3      | 13,1 | 400                   | 5800 | 1600                | 23200 | 75               |             |
| 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -5        | 5/16"  | 7,9  | 12,9      | 14,7 | 350                   | 5070 | 1400                | 20300 | 85               |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -6        | 3/8"   | 9,5  | 15,0      | 16,8 | 330                   | 4780 | 1320                | 19140 | 90               |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -8        | 1/2"   | 12,7 | 18,5      | 20,3 | 275                   | 3980 | 1100                | 15950 | 130              |             |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -10       | 5/8"   | 15,9 | 21,8      | 23,6 | 250                   | 3620 | 1000                | 14500 | 170              |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -12       | 3/4"   | 19,0 | 25,6      | 27,6 | 215                   | 3110 | 860                 | 12470 | 200              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -16       | 1"     | 25,4 | 33,0      | 35,2 | 165                   | 2390 | 660                 | 9570  | 250              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -20       | 1 1/4" | 31,8 | 41,1      | 43,6 | 125                   | 1810 | 500                 | 7250  | 250              |             |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -24       | 1 1/2" | 38,1 | 47,7      | 50,7 | 100                   | 1450 | 400                 | 5800  | 300              |             |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -32       | 2"     | 50,8 | 60,4      | 63,4 | 90                    | 1300 | 360                 | 5220  | 400              |             |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40       | 2 1/2" | 63,5 | 73,0      | 76,0 | 70                    | 1010 | 300                 | 4350  | 760              |             |
| 76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -48       | 3"     | 76,2 | 87,8      | 90,5 | 45                    | 650  | 180                 | 2610  | 900              |             |

Pressfassung: P1  
Swage Ferrule: P1für schälen  
for skivePressfassung: P1 / P5 / P8  
Swage Ferrule: P1 / P5 / P8nicht schälen  
non skive

| Fassung-Typ      | Schällänge - La   | Pressdurchmesser | Fassung-Typ       | nicht schälen | Pressdurchmesser |
|------------------|-------------------|------------------|-------------------|---------------|------------------|
| Ferrule-Type     | Skive Length - La | Swage Diameter   | Ferrule-Type      | non skive     | Swage Diameter   |
|                  | mm                | mm               |                   |               | mm               |
| P1-DN 06 (1/4")  | 25,0              | 16,4             | P1-DN 06 (1/4")   | "             | 16,8             |
| P1-DN 08 (5/16") | 25,0              | 18,3             | P1-DN 08 (5/16")  | "             | 18,5             |
| P1-DN 10 (3/8")  | 25,5              | 21,4             | P1-DN 10 (3/8")   | "             | 21,7             |
| P1-DN 12 (1/2")  | 28,5              | 23,6             | P1-DN 12 (1/2")   | "             | 24,5             |
| P1-DN 16 (5/8")  | 30,0              | 27,1             | P1-DN 16 (5/8")   | "             | 27,8             |
| P1-DN 19 (3/4")  | 35,0              | 31,0             | P1-DN 19 (3/4")   | "             | 31,7             |
| P1-DN 25 (1")    | 39,0              | 39,3             | P1-DN 25 (1")     | "             | 39,8             |
|                  |                   |                  | P5-DN 06 (1/4")   | "             | 18,2             |
|                  |                   |                  | P5-DN 08 (5/16")  | "             | 19,0             |
|                  |                   |                  | P5-DN 10 (3/8")   | "             | 20,6             |
|                  |                   |                  | P5-DN 12 (1/2")   | "             | 23,5             |
|                  |                   |                  | P5-DN 16 (5/8")   | "             | 27,7             |
|                  |                   |                  | P5-DN 19 (3/4")   | "             | 31,1             |
|                  |                   |                  | P5-DN 25 (1")     | "             | 39,1             |
|                  |                   |                  | P8-DN 31 (1 1/4") | "             | 48,7             |
|                  |                   |                  | P8-DN 38 (1 1/2") | "             | 56,2             |
|                  |                   |                  | P8-DN 51 (2")     | "             | 69,0             |
|                  |                   |                  | P8-DN 63 (2 1/2") | "             | 80,0             |
|                  |                   |                  | P8-DN 76 (3")     | "             | 96,0             |

**Pressfassung: P3 - schälen - Rubrik 2.13**

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Vier hochzugfeste Stahlspiralen

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol, Mineralöl- / Wasseremulsionen



**Swage Ferrule: P3 - skive - Category 2.13**

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

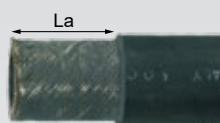
Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions

| <div><div></div><div></div><div></div><div></div><div></div><div></div></div> |           |        |      |                    |              |                       |        |                     |        |                  |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|--------------------|--------------|-----------------------|--------|---------------------|--------|------------------|-------------|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Größe     |        | I.D. | A.D. über<br>Draht | A.D.<br>O.D. | Max. Betriebsdruck    |        | Min. Berstdruck     |        | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hose Size |        | I.D. | R.O.D.             |              | Max. Working Pressure |        | Min. Burst Pressure |        | Min. Bend Radius | Notes       |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dash      | in.    | mm   | mm                 | mm           | bar                   | P.S.I. | bar                 | P.S.I. | mm               |             |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -4        | 1/4"   | 6,4  | 14,7               | 17,6         | 450                   | 6520   | 1800                | 26100  | 150              |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -6        | 3/8"   | 9,5  | 17,6               | 21,1         | 445                   | 6450   | 1780                | 25810  | 180              |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -8        | 1/2"   | 12,7 | 20,3               | 24,3         | 415                   | 6010   | 1660                | 24070  | 230              |             |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -10       | 5/8"   | 15,9 | 23,7               | 27,9         | 350                   | 5070   | 1400                | 20300  | 250              |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -12       | 3/4"   | 19,0 | 28,2               | 31,9         | 350                   | 5070   | 1400                | 20300  | 300              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -16       | 1"     | 25,4 | 35,0               | 39,0         | 280                   | 4060   | 1120                | 16240  | 340              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -20       | 1 1/4" | 31,8 | 46,1               | 49,9         | 210                   | 3040   | 840                 | 12180  | 460              |             |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -24       | 1 1/2" | 38,1 | 52,4               | 57,0         | 185                   | 2680   | 740                 | 10730  | 560              |             |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -32       | 2"     | 50,8 | 65,4               | 70,8         | 165                   | 2390   | 660                 | 9570   | 660              |             |

Pressfassung: P3

Swage Ferrule: P3

für schälen  
for skive



| Fassung-Typ         | Schällänge - La   | Pressdurchmesser |
|---------------------|-------------------|------------------|
| Ferrule-Type        | Skive Length - La | Swage Diameter   |
|                     | mm                | mm               |
| P3-4SP-DN 06 (1/4") | 25,0              | 19,5             |
| P3-DN 10 (3/8")     | 25,0              | 23,2             |
| P3-DN 12 (1/2")     | 27,0              | 26,5             |
| P3-DN 16 (5/8")     | 28,0              | 29,5             |
| P3-DN 19 (3/4")     | 33,5              | 34,0             |
| P3-DN 25 (1")       | 38,0              | 42,0             |
| P3-DN 31 (1 1/4")   | 55,0              | 52,6             |
| P3-DN 38 (1 1/2")   | 56,0              | 58,0             |
| P3-4SP-DN 51 (2")   | 66,0              | 71,0             |

Pressfassung: Interlock P4-I - innen und außen schälen - Rubrik 3.3

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Vier hochzugfeste Stahlschalen

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol, Mineralöl- / Wasseremulsionen



Swage Ferrule: Interlock P4-I - internal and external skive - Category 3.3

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions

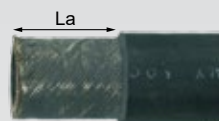
| DN | Größe     |        | I.D. | A.D. über | A.D. | Max. Betriebsdruck    | Min. Berstdruck     | Min. Biegeradius | Bemerkungen |
|----|-----------|--------|------|-----------|------|-----------------------|---------------------|------------------|-------------|
| DN | Hose Size |        | I.D. | Draht     | O.D. | Max. Working Pressure | Min. Burst Pressure | Min. Bend Radius | Notes       |
| mm | dash      | in.    | mm   | mm        | mm   | bar                   | P.S.I.              | mm               |             |
| 19 | -12       | 3/4"   | 19,1 | 28,2      | 31,9 | 420                   | 6090                | 1680             | 24360       |
| 25 | -16       | 1"     | 25,5 | 35,1      | 38,1 | 380                   | 5510                | 1520             | 22040       |
| 31 | -20       | 1 1/4" | 32,0 | 42,2      | 45,0 | 325                   | 4710                | 1300             | 18850       |
| 38 | -24       | 1 1/2" | 38,2 | 49,1      | 52,4 | 290                   | 4200                | 1160             | 16820       |
| 51 | -32       | 2"     | 50,8 | 63,5      | 67,5 | 250                   | 3620                | 1000             | 14500       |

Pressfassung: P4-I

Swage Ferrule: P4-I

für innen und außen schälen - Interlock

for internal and external skive - Interlock



| Fassung-Typ         | Schällänge - Innen - Li    | Schällänge außen - La      | Pressdurchmesser |
|---------------------|----------------------------|----------------------------|------------------|
| Ferrule-Type        | Internal Skive Length - Li | External Skive Length - La | Swage Diameter   |
|                     | mm                         | mm                         | mm               |
| P4-I-DN 19 (3/4")   | 16,0                       | 42,0                       | 34,5             |
| P4-I-DN 25 (1")     | 20,0                       | 60,0                       | 42,5             |
| P4-I-DN 31 (1 1/4") | 20,0                       | 62,0                       | 49,5             |
| P4-I-DN 38 (1 1/2") | 27,0                       | 82,0                       | 57,8             |
| P4-I-DN 51 (2")     | 29,0                       | 85,0                       | 72,0             |

**Pressfassung: Interlock P6-I - innen und außen schälen - Rubrik 3.4**

Seele: Öl und wasserbeständiges synthetisches Gummi

Druckträger: Vier hochzugfeste Stahlspiralen (DN <31) - Sechs hochzugfeste Stahlspiralen (DN 31 - 38 - 51)

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +121°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol, Mineralöl- / Wasseremulsionen



Swage Ferrule: Interlock P6-I - internal and external skive - Category 3.4

Tube: Oil and water Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals (DN <31) - Six High Tensile Steel Spirals (DN 31 - 38 - 51)

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +121°C

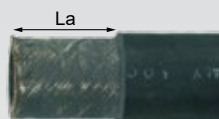
Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions

| <div><div></div><div></div><div></div><div></div><div></div><div></div></div> |           |        |      |                        |           |                       |        |                     |        |                  |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|------------------------|-----------|-----------------------|--------|---------------------|--------|------------------|-------------|
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Größe     |        | I.D. | A.D. über Draht R.O.D. | A.D. O.D. | Max. Betriebsdruck    |        | Min. Berstdruck     |        | Min. Biegeradius | Bemerkungen |
| DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hose Size |        | I.D. |                        |           | Max. Working Pressure |        | Min. Burst Pressure |        | Min. Bend Radius | Notes       |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dash      | in.    | mm   | mm                     | mm        | bar                   | P.S.I. | bar                 | P.S.I. | mm               |             |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -12       | 3/4"   | 19,0 | 29,0                   | 31,8      | 350                   | 5070   | 1650                | 23920  | 240              |             |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -16       | 1"     | 25,4 | 36,0                   | 39,2      | 350                   | 5070   | 1650                | 23920  | 300              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -20       | 1 1/4" | 31,8 | 47,0                   | 50,0      | 350                   | 5070   | 1600                | 23200  | 419              |             |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -24       | 1 1/2" | 38,1 | 54,6                   | 57,5      | 350                   | 5070   | 1600                | 23200  | 500              |             |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -32       | 2"     | 50.8 | 68.4                   | 72.0      | 350                   | 5070   | 1500                | 21750  | 630              |             |

Pressfassung: P6-I  
Swage Ferrule: P6-I

für innen und außen schälen - Interlock  
for internal and external skive - Interlock



| Fassung-Typ<br>Ferrule-Type | Schällänge - Innen - Li<br>Internal Skive Length - Li | Schällänge außen - La<br>External Skive Length - La | Pressdurchmesser<br>Swage Diameter |
|-----------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------|
|                             | mm                                                    | mm                                                  | mm                                 |
| P6-I-DN 19 (3/4")           | 16,0                                                  | 42,0                                                | 34,5                               |
| P6-I-DN 25 (1")             | 20,0                                                  | 60,0                                                | 42,0                               |
| P6-I-DN 31 (1 1/4")         | 20,0                                                  | 62,0                                                | 54,0                               |
| P6-I-DN 38 (1 1/2")         | 27,0                                                  | 82,0                                                | 64,0                               |
| P6-I-DN 51 (2")             | 28,0                                                  | 85,0                                                | 77,8                               |

Pressfassung: Interlock P7-I - innen und außen schälen - Rubrik 3.5

Seele: Öl beständiges synthetisches Gummi

Druckträger: Vier hochzugfeste Stahlspiralen (DN <31) - Sechs hochzugfeste Stahlspiralen (DN 31 - 38)

Decke: Synthetisches Gummi mit hoher Temperatur-, Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Dauerbetrieb: -40°C bis +121°C

Max. Betriebstemperatur: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol, Mineralöl- / Wasseremulsionen



Swage Ferrule: Interlock P7-I - internal and external skive - Category 3.5

Tube: Oil Resistant Synthetic Rubber

Reinforcement: Four High Tensile Steel Spirals (DN <31) - Six High Tensile Steel Spirals (DN 31 - 38)

Cover: Synthetic Rubber with High Temperature, Ozone, Abrasion, Weather and Flame Resistance

Continuous Service: -40°C to +121°C

Max. Operating Temperature: 125°C

Recommended Fluids: Mineral Oil, Water, Glycols, Mineral Oil / Water Emulsions

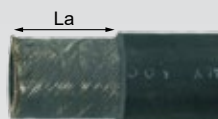
| DN | Größe     |        |      |                        |           |                                          |                                     |                                   |                   |     |  |
|----|-----------|--------|------|------------------------|-----------|------------------------------------------|-------------------------------------|-----------------------------------|-------------------|-----|--|
| DN | Hose Size |        | I.D. | A.D. über Draht R.O.D. | A.D. O.D. | Max. Betriebsdruck Max. Working Pressure | Min. Berstdruck Min. Burst Pressure | Min. Biegeradius Min. Bend Radius | Bemerkungen Notes |     |  |
| mm | dash      | in.    | mm   | mm                     | mm        | bar                                      | P.S.I.                              | bar                               | P.S.I.            | mm  |  |
| 19 | -12       | 3/4"   | 19,0 | 28,2                   | 31,0      | 420                                      | 6090                                | 1680                              | 24360             | 265 |  |
| 25 | -16       | 1"     | 25,4 | 35,1                   | 38,1      | 420                                      | 6090                                | 1680                              | 24360             | 330 |  |
| 31 | -20       | 1 1/4" | 31,8 | 46,3                   | 49,5      | 420                                      | 6090                                | 1680                              | 24360             | 445 |  |
| 38 | -24       | 1 1/2" | 38,1 | 54,6                   | 57,5      | 420                                      | 6090                                | 1680                              | 24360             | 530 |  |

Pressfassung: P7-I

Swage Ferrule: P7-I

für innen und außen schälen - Interlock

for internal and external skive - Interlock



| Fassung-Typ<br>Ferrule-Type | Schällänge innen - Li<br>Internal Skive Length - Li | Schällänge außen - La<br>External Skive Length - La | Pressdurchmesser<br>Swage Diameter |
|-----------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------|
|                             | mm                                                  | mm                                                  | mm                                 |
| P7-I-DN 19 (3/4")           | 16,0                                                | 42,0                                                | 34,5                               |
| P7-I-DN 25 (1")             | 20,0                                                | 60,0                                                | 41,5                               |
| P7-I-DN 31 (1 1/4")         | 20,0                                                | 62,0                                                | 54,0                               |
| P7-I-DN 38 (1 1/2")         | 27,0                                                | 82,0                                                | 64,0                               |



Pressfassung: PF-R7 - Rubrik 2.10

Seele: Öl und wasserbeständiges Thermoplastik Elastomer  
Druckträger: Zwei Polyestergeflechte  
Decke: Thermoplastik Elastomer mit hoher Ozon- und Abriebbeständigkeit  
Dauerbetrieb: -40°C bis +100°C  
Max. Betriebstemperatur: +100°C für Öl, + 65°C für Luft, Wasser und Flüssigkeiten auf Wasserbasis



Swage Ferrule: PF-R7 - Category 2.10

Tube: Oil and water Resistant Thermoplastic Elastomer  
Reinforcement: Two Polyester Braids  
Cover: Thermoplastic Elastomer with High Ozone and Abrasion Resistance  
Continuous Service: -40°C to +100°C  
Max. Operating Temperature: +100°C for Oil, +65°C for Air, Water and Water Based Fluids

| DN | Größe     | I.D. +/-0,5 | A.D. +/-0,5 | Max. Betriebsdruck    | Min. Berstdruck     | Min. Biegeradius | Bemerkungen |
|----|-----------|-------------|-------------|-----------------------|---------------------|------------------|-------------|
| DN | Hose Size | I.D. +/-0,5 | A.D. +/-0,5 | Max. Working Pressure | Min. Burst Pressure | Min. Bend Radius | Notes       |
| mm | in.       | mm          | mm          | bar                   | P.S.I.              | mm               |             |
| 05 | 3/16"     | 4,8         | 10,0        | 210                   | 3040                | 35               |             |
| 06 | 1/4"      | 6,4         | 11,8        | 190                   | 2750                | 50               |             |
| 08 | 5/16"     | 8,0         | 14,3        | 190                   | 2750                | 55               |             |
| 10 | 3/8"      | 9,7         | 16,0        | 175                   | 2530                | 75               |             |
| 12 | 1/2"      | 13,0        | 20,3        | 140                   | 2030                | 95               |             |
| 16 | 5/8"      | 16,0        | 23,5        | 100                   | 1450                | 203              |             |
| 19 | 3/4"      | 19,2        | 26,5        | 85                    | 1230                | 254              |             |
| 25 | 1"        | 25,6        | 33,3        | 70                    | 1010                | 305              |             |

Pressfassung: PF-R7  
Swage Ferrule: PF-R7

nicht schälen  
non skive



| Fassung-Typ         | nicht schälen | Pressdurchmesser |
|---------------------|---------------|------------------|
| Ferrule-Type        | non skive     | Swage Diameter   |
|                     |               | mm               |
| PF-R7-DN 05 (3/16") | "             | 11,7             |
| PF-R7-DN 06 (1/4")  | "             | 14,6             |
| PF-R7-DN 08 (5/16") | "             | 15,7             |
| PF-R7-DN 10 (3/8")  | "             | 18,7             |
| PF-R7-DN 12 (1/2")  | "             | 21,7             |
| PF-R7-DN 16 (5/8")  | "             | 26,7             |
| PF-R7-DN 19 (3/4")  | "             | 28,8             |
| PF-R7-DN 25 (1")    | "             | 36,0             |

# THERMOPLASTIK-SCHLAUCH - DIN EN ISO 3949 / R8

## THERMOPLASTIC TUBE - DIN EN ISO 3949 / R8



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

Pressfassung: PF-R7 - Rubrik 2.10

Seele: Öl beständiges Thermoplastik Elastomer

Druckträger: Zwei Polyestergeflechte

Decke: Thermoplastik Elastomer mit hoher Ozon- und Abriebbeständigkeit

Dauerbetrieb: -40°C bis +100°C

Max. Betriebstemperatur: +100°C für Öl, + 65°C für Luft, Wasser und Flüssigkeiten auf Wasserbasis



Swage Ferrule: PF-R7 - Category 2.10

Tube: Oil Resistant Thermoplastic Elastomer

Reinforcement: Two Polyester Braids

Cover: Thermoplastic Elastomer with High Ozone and Abrasion Resistance

Continuous Service: -40°C to +100°C

Max. Operating Temperature: +100°C for Oil, +65°C for Air, Water and Water Based Fluids

| DN | Größe     |       |             |             |                    |                       |                 |                     |                  | Bemerkungen |
|----|-----------|-------|-------------|-------------|--------------------|-----------------------|-----------------|---------------------|------------------|-------------|
| DN | Hose Size |       | I.D. +/-0,5 | A.D. +/-0,5 | Max. Betriebsdruck | Max. Working Pressure | Min. Berstdruck | Min. Burst Pressure | Min. Biegeradius | Notes       |
| mm | dash      | in.   | mm          | mm          | bar                | P.S.I.                | bar             | P.S.I.              | mm               |             |
| 05 |           | 3/16" | 4,8         | 10,0        | 350                | 5075                  | 1400            | 20300               | 35               |             |
| 06 |           | 1/4"  | 6,4         | 11,8        | 350                | 5075                  | 1400            | 20300               | 50               |             |
| 08 |           | 5/16" | 8,0         | 14,3        | 325                | 4710                  | 1300            | 18850               | 60               |             |
| 10 |           | 3/8"  | 9,7         | 16,0        | 280                | 4060                  | 1120            | 16240               | 80               |             |
| 12 |           | 1/2"  | 13,0        | 20,3        | 245                | 3550                  | 980             | 14210               | 95               |             |
| 16 |           | 5/8"  | 16,0        | 23,5        | 195                | 2830                  | 780             | 11310               | 125              |             |
| 19 |           | 3/4"  | 19,2        | 26,5        | 165                | 2390                  | 660             | 9570                | 150              |             |
| 25 |           | 1"    | 25,6        | 34,7        | 145                | 2100                  | 580             | 8410                | 200              |             |

Pressfassung: PF-R7

Swage Ferrule: PF-R7

nicht schälen

non skive



| Fassung-Typ  |         | nicht schälen | Pressdurchmesser |
|--------------|---------|---------------|------------------|
| Ferrule-Type |         | non skive     | Swage Diameter   |
|              |         |               | mm               |
| PF-R7-DN 05  | (3/16") | "             | 11,6             |
| PF-R7-DN 06  | (1/4")  | "             | 14,9             |
| PF-R7-DN 08  | (5/16") | "             | 15,8             |
| PF-R7-DN 10  | (3/8")  | "             | 18,8             |
| PF-R7-DN 12  | (1/2")  | "             | 21,0             |
| PF-R7-DN 16  | (5/8")  | "             | 25,5             |
| PF-R7-DN 19  | (3/4")  | "             | 28,4             |
| PF-R7-DN 25  | (1")    | "             | 35,5             |

### Pressfassung: PF-PTFE - Rubrik 2.8

Mit glatter, dicker PTFE-Seele

Druckträger: Eine Klöppellage aus rostfreiem Stahl - 1.4301

Max. Betriebstemperatur: -60°C bis +260°C

Die angegebenen Betriebsdrücke gelten für Arbeitstemperaturen von +20°C bis +50°C.

Swage Ferrule: PF-PTFE - Category 2.8

With flat, thick PTFE-Tube (Heavy Wall)

Reinforcement: One Braid of Stainless Wire - AISI 304

Max. Operating Temperature: -60° to +260°C

The working pressure apply to working temperatures from +20°C to +50°C.



| DN | Größe     | I.D. +/-0,5 | A.D. +/-0,5 | kg     | bar                |                       |                  |                 |
|----|-----------|-------------|-------------|--------|--------------------|-----------------------|------------------|-----------------|
| DN | Hose Size | I.D. +/-0,5 | A.D. +/-0,5 | Weight | Max. Betriebsdruck | Max. Working Pressure | Min. Biegeradius | Bestellzeichen  |
| mm | in.       | mm          | mm          | g/m    | bar                | P.S.I.                | mm               | Order-Code      |
| 05 | 3/16"     | 5,0         | 8,2         | 83     | 240                | 3480                  | 45               | Hose PT1W-DN 05 |
| 06 | 1/4"      | 6,7         | 10,0        | 126    | 240                | 3480                  | 100              | Hose PT1W-DN 06 |
| 08 | 5/16"     | 8,2         | 11,7        | 172    | 200                | 2900                  | 120              | Hose PT1W-DN 08 |
| 10 | 3/8"      | 10,3        | 13,8        | 223    | 175                | 2530                  | 140              | Hose PT1W-DN 10 |
| 12 | 1/2"      | 13,0        | 17,0        | 293    | 150                | 2170                  | 160              | Hose PT1W-DN 12 |
| 16 | 5/8"      | 16,0        | 20,2        | 360    | 135                | 1950                  | 190              | Hose PT1W-DN 16 |
| 19 | 3/4"      | 19,0        | 23,2        | 423    | 110                | 1590                  | 230              | Hose PT1W-DN 19 |
| 25 | 1"        | 25,4        | 30,3        | 640    | 80                 | 1160                  | 300              | Hose PT1W-DN 25 |

Pressfassung: PF-PTFE

Swage Ferrule: PF-PTFE

nicht schälen

non skive



| Fassung-Typ   |         | nicht schälen | Pressdurchmesser |
|---------------|---------|---------------|------------------|
| Ferrule-Type  |         | non skive     | Swage Diameter   |
|               |         |               | mm               |
| PF-PTFE-DN 05 | (3/16") | "             | 10,5             |
| PF-PTFE-DN 06 | (1/4")  | "             | 12,0             |
| PF-PTFE-DN 08 | (5/16") | "             | 14,5             |
| PF-PTFE-DN 10 | (3/8")  | "             | 16,0             |
| PF-PTFE-DN 12 | (1/2")  | "             | 20,4             |
| PF-PTFE-DN 16 | (5/8")  | "             | 24,0             |
| PF-PTFE-DN 19 | (3/4")  | "             | 27,0             |
| PF-PTFE-DN 25 | (1")    | "             | 33,0             |

# PTFE-WELL-SCHLAUCH

## PTFE-CONVOLUTED-HOSE



EDELSTAHL / STAINLESS STEEL  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

Pressfassung: PF-W-PTFE - Rubrik 2.9

PTFE-Wellenschlauch mit 1 Klöppellage

Max. Betriebstemperatur: -60°C bis +260°C

Die angegebenen Betriebsdrücke gelten für Arbeitstemperaturen von +20°C bis +50°C.

Swage Ferrule: PF-W-PTFE - Category 2.9

PTFE-Convolutated-Hose with 1 braid

Max. Operating Temperature: -60°C to +260°C

The working pressure apply to working temperatures from +20°C to +50°C.



| DN | Größe     | Tol.   | A.D. | Max. Betriebsdruck    | Min. Biegeradius | Bestellzeichen |
|----|-----------|--------|------|-----------------------|------------------|----------------|
| DN | Hose Size | Tol.   | O.D. | Max. Working Pressure | Min. Bend Radius | Order-Code     |
| mm | in.       | mm     | mm   | bar                   | P.S.I.           | mm             |
| 06 | 1/4"      | +/-0,5 | 11,6 | 130                   | 1880             | 18             |
| 08 | 5/16"     | +/-0,5 | 12,7 | 120                   | 1740             | 19             |
| 10 | 3/8"      | +/-0,6 | 15,6 | 110                   | 1590             | 20             |
| 12 | 1/2"      | +/-0,8 | 18,9 | 100                   | 1450             | 25             |
| 16 | 5/8"      | +/-0,8 | 22,2 | 70                    | 1010             | 50             |
| 19 | 3/4"      | +/-1,1 | 26,4 | 60                    | 870              | 65             |
| 25 | 1"        | +/-1,3 | 33,0 | 40                    | 580              | 90             |
| 31 | 1 1/4"    | +/-1,5 | 40,5 | 30                    | 430              | 127            |

Pressfassung: PF-W-PTFE

Swage Ferrule: PF-W-PTFE

nicht schälen

non skive



| Fassung-Typ              | nicht schälen | Pressdurchmesser |
|--------------------------|---------------|------------------|
| Ferrule-Type             | non skive     | Swage Diameter   |
|                          |               | mm               |
| PF-W-PTFE-DN 06 (1/4")   | "             | 13,5             |
| PF-W-PTFE-DN 08 (5/16")  | "             | 14,8             |
| PF-W-PTFE-DN 10 (3/8")   | "             | 17,5             |
| PF-W-PTFE-DN 12 (1/2")   | "             | 19,7             |
| PF-W-PTFE-DN 16 (5/8")   | "             | 24,1             |
| PF-W-PTFE-DN 19 (3/4")   | "             | 27,0             |
| PF-W-PTFE-DN 25 (1")     | "             | 34,4             |
| PF-W-PTFE-DN 31 (1 1/4") | "             | 43,9             |

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**EDELSTAHL / STAINLESS STEEL**  
VERBINDUNGSTECHNIK  
FLUID CONNECTORS

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