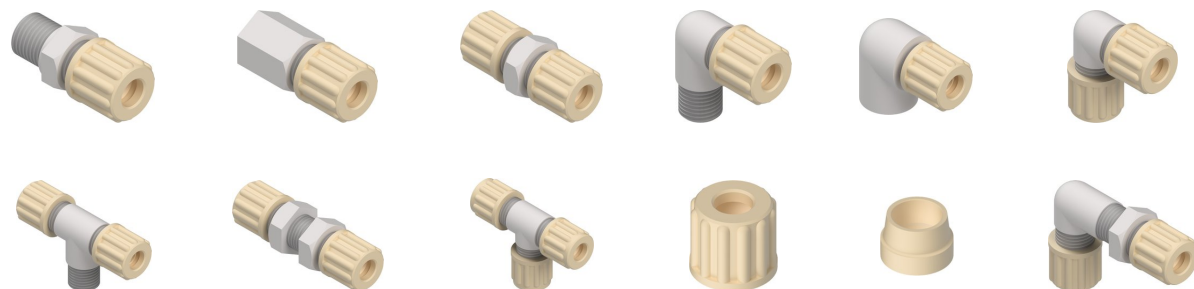


## Klemmverschraubungen - Polyamid/Polypropylen Serie CF

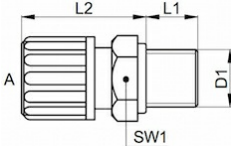


|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Bauart                        | Klemmverschraubung mit Überwurfmutter und Klemmring                    |
| Anschluss                     | G1/8"...G1/2" nach ISO228/1                                            |
| Schlauchaußendurchmesser      | 6...12mm                                                               |
| Werkstoffe                    | Körper Polyamid (PA), Klemmring und Mutter Polypropylen (PP)           |
| empfohlene Schlauchwerkstoffe | Polyäthylen PE, Polyamid PA, Polyurethan CP/PU                         |
| Medium                        | Gase und Flüssigkeiten welche die Werkstoffe chemisch nicht angreifen. |
| Mediumstemperatur             | -20...+60°C                                                            |
| max. Betriebsdruck            | 10bar, Druckreduktionsfaktoren siehe Tabelle                           |

### Druckreduktionsfaktoren

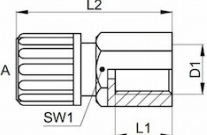
| Temperaturbereich                  | -20°C...+20°C | +30°C | +40°C | +50°C | +60°C |
|------------------------------------|---------------|-------|-------|-------|-------|
| Betriebsdruck in % vom Maximalwert | 100%          | 80%   | 50%   | 20%   | 10%   |

### Gerade Einschraubverschraubung - Gewinde zylindrisch

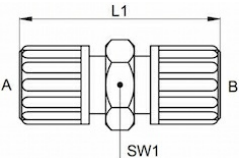
|  | Schlauchdurchmesser<br>A [mm] | D1    | L1 | L2   | SW1 | Typ            |
|-------------------------------------------------------------------------------------|-------------------------------|-------|----|------|-----|----------------|
|                                                                                     | 6/4                           | G1/8" | 8  | 23,5 | 14  | CF12-06-18-C   |
|                                                                                     | 6/4                           | G1/4" | 12 | 25   | 17  | CF12-06-14-C   |
|                                                                                     | 6/4                           | G3/8" | 12 | 26,5 | 22  | CF12-06-38-C   |
|                                                                                     | 6/4                           | G1/2" | 14 | 29   | 27  | CF12-06-12-C   |
|                                                                                     | 8/6                           | G1/8" | 8  | 28,5 | 17  | CF12-08-18-C   |
|                                                                                     | 8/6                           | G1/4" | 12 | 29   | 17  | CF12-08-14-C   |
|                                                                                     | 8/6                           | G3/8" | 12 | 30,5 | 22  | CF12-08-38-C   |
|                                                                                     | 8/6                           | G1/2" | 14 | 33   | 27  | CF12-08-12-C   |
|                                                                                     | 10/8                          | G1/8" | 8  | 32,5 | 19  | CF12-10-18-C   |
|                                                                                     | 10/8                          | G1/4" | 12 | 33   | 19  | CF12-10-14-C   |
|                                                                                     | 10/8                          | G3/8" | 12 | 33,5 | 22  | CF12-10-38-C   |
|                                                                                     | 10/8                          | G1/2" | 14 | 36   | 27  | CF12-10-12-C   |
|                                                                                     | 12/9                          | G1/8" | 8  | 36,5 | 22  | CF12-12/9-18-C |
|                                                                                     | 12/9                          | G1/4" | 12 | 36,5 | 22  | CF12-12/9-14-C |
|                                                                                     | 12/9                          | G3/8" | 12 | 37,5 | 22  | CF12-12/9-38-C |
|                                                                                     | 12/9                          | G1/2" | 14 | 40   | 27  | CF12-12/9-12-C |



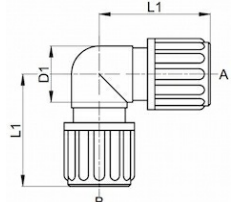
## Gerade Aufschraubverschraubung

|  | Schlauchdurchmesser<br>A [mm] | D1    | L1 | L2 | SW1 | Typ            |
|-----------------------------------------------------------------------------------|-------------------------------|-------|----|----|-----|----------------|
|                                                                                   | 6/4                           | G1/8" | 10 | 31 | 14  | CF13-06-18-C   |
|                                                                                   | 6/4                           | G1/4" | 15 | 36 | 17  | CF13-06-14-C   |
|                                                                                   | 6/4                           | G3/8" | 15 | 36 | 22  | CF13-06-38-C   |
|                                                                                   | 6/4                           | G1/2" | 16 | 38 | 27  | CF13-06-12-C   |
|                                                                                   | 8/6                           | G1/8" | 10 | 35 | 17  | CF13-08-18-C   |
|                                                                                   | 8/6                           | G1/4" | 15 | 41 | 17  | CF13-08-14-C   |
|                                                                                   | 8/6                           | G3/8" | 15 | 41 | 22  | CF13-08-38-C   |
|                                                                                   | 8/6                           | G1/2" | 16 | 42 | 27  | CF13-08-12-C   |
|                                                                                   | 10/8                          | G1/8" | 10 | 39 | 19  | CF13-10-18-C   |
|                                                                                   | 10/8                          | G1/4" | 15 | 44 | 19  | CF13-10-14-C   |
|                                                                                   | 10/8                          | G3/8" | 15 | 44 | 22  | CF13-10-38-C   |
|                                                                                   | 10/8                          | G1/2" | 16 | 44 | 27  | CF13-10-12-C   |
|                                                                                   | 12/9                          | G1/8" | 10 | 43 | 22  | CF13-12/9-18-C |
|                                                                                   | 12/9                          | G1/4" | 15 | 48 | 22  | CF13-12/9-14-C |
|                                                                                   | 12/9                          | G3/8" | 15 | 48 | 22  | CF13-12/9-38-C |
|                                                                                   | 12/9                          | G1/2" | 16 | 49 | 27  | CF13-12/9-12-C |

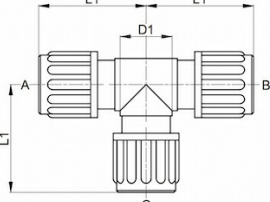
## Gerader Verbinder

|  | Schlauchdurchmesser<br>A/B [mm] | L1 | SW1 | Typ         |
|------------------------------------------------------------------------------------|---------------------------------|----|-----|-------------|
|                                                                                    | 6/4                             | 39 | 14  | CF13-06-C   |
|                                                                                    | 8/6                             | 49 | 19  | CF13-08-C   |
|                                                                                    | 10/8                            | 55 | 22  | CF13-10-C   |
|                                                                                    | 12/9                            | 64 | 24  | CF13-12/9-C |

## Winkelverbinder

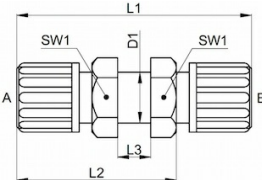
|  | Schlauchdurchmesser<br>A/B [mm] | ØD1 | L1 | Typ         |
|-------------------------------------------------------------------------------------|---------------------------------|-----|----|-------------|
|                                                                                     | 6/4                             | 13  | 25 | CF17-06-C   |
|                                                                                     | 8/6                             | 15  | 30 | CF17-08-C   |
|                                                                                     | 10/8                            | 20  | 36 | CF17-10-C   |
|                                                                                     | 12/9                            | 20  | 43 | CF17-12/9-C |

## T-Verbinder

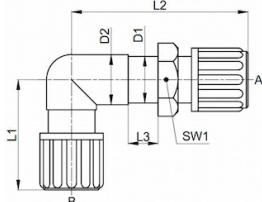
|  | Schlauchdurchmesser<br>A/B/C [mm] | ØD1 | L1 | Typ         |
|-------------------------------------------------------------------------------------|-----------------------------------|-----|----|-------------|
|                                                                                     | 6/4                               | 12  | 26 | CF29-06-C   |
|                                                                                     | 8/6                               | 15  | 31 | CF29-08-C   |
|                                                                                     | 10/8                              | 20  | 36 | CF29-10-C   |
|                                                                                     | 12/9                              | 20  | 40 | CF29-12/9-C |



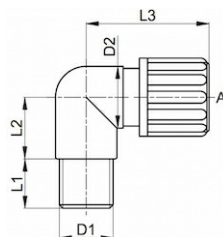
## Gerader Schottverbinder

|  | Schlauchdurchmesser<br>A/B [mm] | ØD1  | L1 | L2 | L3 | SW1 | Typ         |
|-----------------------------------------------------------------------------------|---------------------------------|------|----|----|----|-----|-------------|
|                                                                                   | 6/4                             | 10,5 | 53 | 36 | 9  | 14  | CF27-06-C   |
|                                                                                   | 8/6                             | 14,5 | 64 | 43 | 9  | 19  | CF27-08-C   |
|                                                                                   | 10/8                            | 16,5 | 73 | 49 | 10 | 22  | CF27-10-C   |
|                                                                                   | 12/9                            | 18,5 | 84 | 56 | 12 | 24  | CF27-12/9-C |
|                                                                                   |                                 |      |    |    |    |     |             |

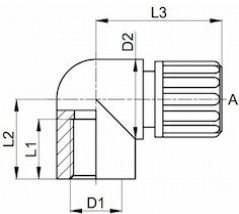
## Winkelschottverbinder

|  | Schlauchdurchmesser<br>A/B [mm] | ØD1  | ØD2 | L1 | L2 | SW1 | Typ         |
|-----------------------------------------------------------------------------------|---------------------------------|------|-----|----|----|-----|-------------|
|                                                                                   | 6/4                             | 10,5 | 13  | 25 | 43 | 9   | CF48-06-C   |
|                                                                                   | 8/6                             | 14,5 | 20  | 33 | 53 | 9   | CF48-08-C   |
|                                                                                   | 10/8                            | 16,5 | 20  | 36 | 58 | 10  | CF48-10-C   |
|                                                                                   | 12/9                            | 18,5 | 25  | 43 | 67 | 12  | CF48-12/9-C |
|                                                                                   |                                 |      |     |    |    |     |             |

## Winkleinschraubverschraubung - Gewinde zylindrisch

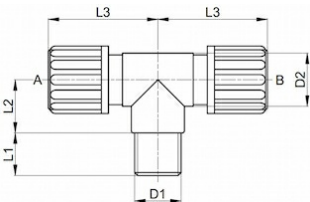
|  | Schlauchdurchmesser<br>A [mm] | D1    | ØD2 | L1 | L2 | L3 | Typ            |
|-------------------------------------------------------------------------------------|-------------------------------|-------|-----|----|----|----|----------------|
|                                                                                     | 6/4                           | G1/8" | 13  | 8  | 12 | 25 | CF16-06-18-C   |
|                                                                                     | 6/4                           | G1/4" | 15  | 12 | 13 | 26 | CF16-06-14-C   |
|                                                                                     | 6/4                           | G3/8" | 20  | 12 | 18 | 29 | CF16-06-38-C   |
|                                                                                     | 6/4                           | G1/2" | 25  | 14 | 15 | 32 | CF16-06-12-C   |
|                                                                                     | 8/6                           | G1/8" | 15  | 8  | 15 | 30 | CF16-08-18-C   |
|                                                                                     | 8/6                           | G1/4" | 15  | 12 | 15 | 30 | CF16-08-14-C   |
|                                                                                     | 8/6                           | G3/8" | 20  | 12 | 15 | 33 | CF16-08-38-C   |
|                                                                                     | 8/6                           | G1/2" | 25  | 14 | 15 | 36 | CF16-08-12-C   |
|                                                                                     | 10/8                          | G1/8" | 20  | 8  | 17 | 36 | CF16-10-18-C   |
|                                                                                     | 10/8                          | G1/4" | 20  | 12 | 20 | 36 | CF16-10-14-C   |
|                                                                                     | 10/8                          | G3/8" | 20  | 12 | 17 | 36 | CF16-10-38-C   |
|                                                                                     | 10/8                          | G1/2" | 25  | 14 | 17 | 39 | CF16-10-12-C   |
|                                                                                     | 12/9                          | G1/8" | 20  | 8  | 19 | 39 | CF16-12/9-18-C |
|                                                                                     | 12/9                          | G1/4" | 20  | 12 | 19 | 40 | CF16-12/9-14-C |
|                                                                                     | 12/9                          | G3/8" | 20  | 12 | 19 | 40 | CF16-12/9-38-C |
|                                                                                     | 12/9                          | G1/2" | 25  | 14 | 19 | 43 | CF16-12/9-12-C |

## Winkelaufschraubverschraubung

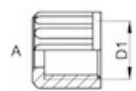
|  | Schlauchdurchmesser<br>A [mm] | D1    | ØD2 | L1 | L2 | L3 | Typ          |
|-------------------------------------------------------------------------------------|-------------------------------|-------|-----|----|----|----|--------------|
|                                                                                     | 6/4                           | G1/8" | 15  | 10 | 17 | 26 | CF17-06-18-C |
|                                                                                     | 6/4                           | G1/4" | 20  | 15 | 21 | 29 | CF17-06-14-C |
|                                                                                     | 8/6                           | G1/8" | 15  | 10 | 17 | 30 | CF17-08-18-C |
|                                                                                     | 8/6                           | G1/4" | 20  | 15 | 21 | 33 | CF17-08-14-C |
|                                                                                     | 10/8                          | G1/4" | 20  | 15 | 24 | 36 | CF17-10-14-C |
|                                                                                     |                               |       |     |    |    |    |              |



## T-Einschraubverschraubung - Gewinde zylindrisch

|  | Schlauchdurchmesser<br>A/B [mm] | D1    | ØD2 | L1 | L2 | L3 | Typ          |
|-----------------------------------------------------------------------------------|---------------------------------|-------|-----|----|----|----|--------------|
|                                                                                   | 6/4                             | G1/8" | 12  | 8  | 12 | 26 | CF21-06-18-C |
|                                                                                   | 6/4                             | G1/4" | 15  | 12 | 15 | 27 | CF21-06-14-C |
|                                                                                   | 8/6                             | G1/8" | 15  | 8  | 12 | 31 | CF21-08-18-C |
|                                                                                   | 8/6                             | G1/4" | 15  | 12 | 15 | 31 | CF21-08-14-C |
|                                                                                   |                                 |       |     |    |    |    |              |

## Überwurfmutter

|  | Schlauchdurchmesser<br>A [mm] | D1      | Typ                |
|-----------------------------------------------------------------------------------|-------------------------------|---------|--------------------|
|                                                                                   | 6/4                           | M10x1   | CF33-06-M10X1-E    |
|                                                                                   | 8/6                           | M14x1,5 | CF33-08-M14X15-E   |
|                                                                                   | 10/8                          | M16x1,5 | CF33-10-M16X15-E   |
|                                                                                   | 12/9                          | M18x1,5 | CF33-12/9-M18X15-E |

## Klemmring

|  | Schlauchdurchmesser<br>D / d [mm] | Typ         |
|-----------------------------------------------------------------------------------|-----------------------------------|-------------|
|                                                                                   | 6/4                               | CF46-06-E   |
|                                                                                   | 8/6                               | CF46-08-E   |
|                                                                                   | 10/8                              | CF46-10-E   |
|                                                                                   | 12/9                              | CF46-12/9-E |

Abbildungen unverbindlich  
Konstruktions-, Maß- und Werkstoffänderungen vorbehalten

Pneumatik / Verbindungselemente und Kupplungen / Klemmverschraubungen / Klemmverschraubungen - PA/PP Druck bei 20°C 10bar, bei 60°C 1bar

