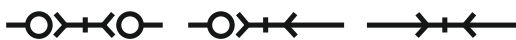




# ZŁĄCZA DO WODY



**SERIA 59-60-90-190**



**Interchangeability - Kompatibilität**  
HASCO, DYROS, EOC, PARADISI ( EURO  
CONNECTOR )

**Temperature Range - Temperaturbereich**  
-20°C +100°C (-40°F +250°F ) Nitril (N)  
-20°C +200°C (-40°F +390°F ) Viton (V)

**Working Pressure - Betriebsdruck**  
0 - 25 bar 059  
0 - 25 bar 060  
0 - 25 bar 090  
0 - 25 bar 190

**Flow capacity - Nennweiten**  
NW 2.7 059  
NW 6 060  
NW 9 090  
NW 13 190

**Standard version - Standardversion**  
Brass - Messing  
Viton (V)

**Options - Optionen**  
K - Chrome plated - Verchromt  
N - Nickel plated - Vernickelt  
S - Stainless Steel - Edelstahl

For optional orders please add the symbol of your  
option end of the order no.  
Bei Bestellungen Kennbuchstabe bitte hinzufügen  
( Bestellungen: 090 EG 14-K-N )

### Material - Material

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Coupler Body-<br>Kupplungsgrundkörper | : Brass - Messing                |
| Sleeve - Hülse                        | : Brass - Messing                |
| Valve - Ventil                        | : Brass - Messing                |
| Springs - Federn                      | : Stainless Steel -<br>Edelstahl |
| Locking O-Ring-<br>Sprengring         | : Stainless Steel -<br>Edelstahl |
| Balls - Kugeln                        | : Stainless Steel -<br>Edelstahl |
| Seals - Dichtungen                    | : Viton (V)                      |
| Plug - Nippel                         | : Brass - Messing                |

### Using Area:

- On cooling system of plastic zamak, brass and  
aluminium injection moulds
- On cleaning and washing systems of machines
  - On hot oil - water lines connection
  - All industries
  - On steam line

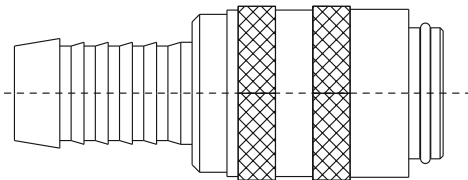
### Anwendungsbereiche:

- An Kühlsysteme für Kunststoff-,  
Zinkdruckguß, Messing- und Aluminium -  
Kokillenformen
- Reinigungs- und Waschsyste von Maschinen
  - Temperierung ( Wasser/Öl )
  - Alle Industriezweige
  - Dampfleitungen





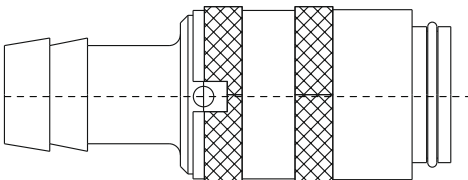
## Options - Optionen



### Hose Tail Options / Schlauchanschluss Optionen

For this type hose tail please add the FHG symbol of your option in side of the order no. For example CSK 090 **FHG 13**

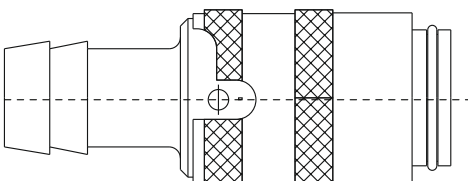
Für diesen Schlauchanschluss fügen Sie FHG zur Artikelnummer hinzu. Z.B. CSK 090 **FHG 13**



### E1 Type Safety coupler / E1 Sicherheitsverriegelung

Please add the symbol E1 add the symbol of your option end of the order no. For example CSK 090 - 13 - E1

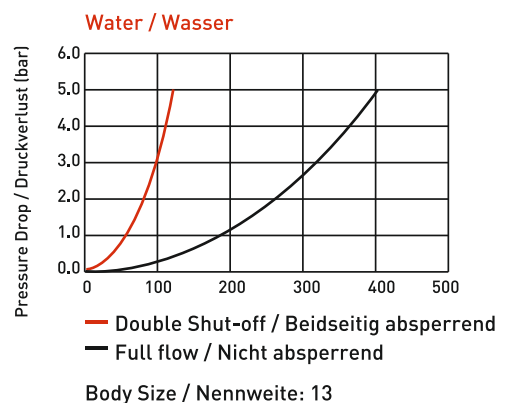
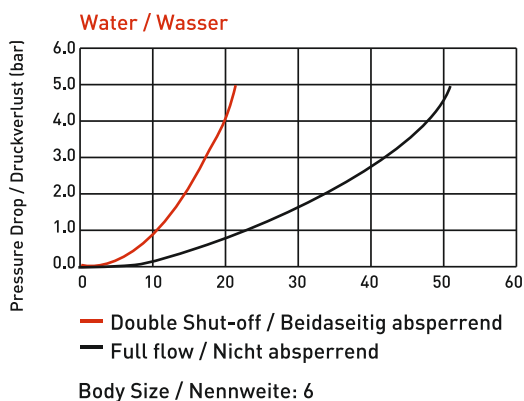
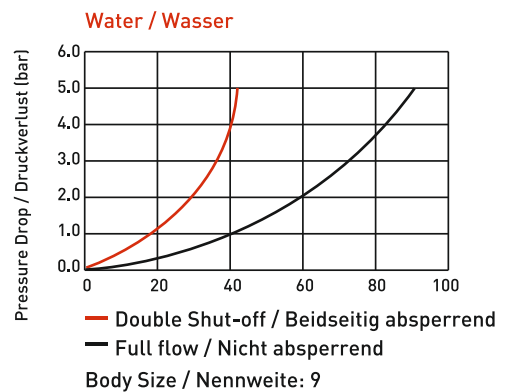
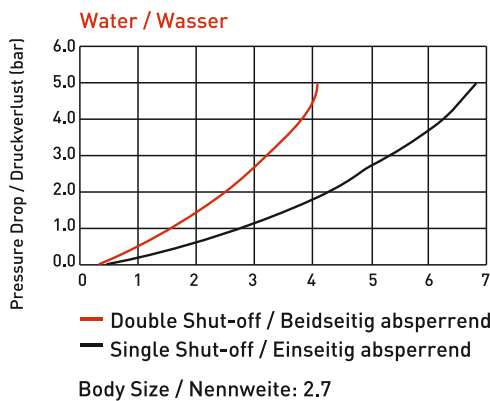
Für diese Option fügen Sie E1 zur Artikelnummer hinzu. Z.B. CSK 090 - 13 - E1



### E2 Type Safety coupler / E2 Sicherheitsverriegelung

Please add the symbol E2 add the symbol of your option end of the order no. For example CSK 090 - 13 - E2

Für diese Option fügen Sie E2 zur Artikelnummer hinzu. Z.B. CSK 090 - 13 - E2



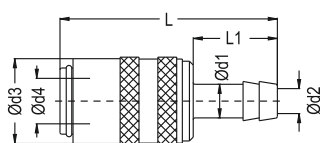
# Seria 59,60,90,190



COUPLINGS, MULTICOUPLINGS &  
MOULD COOLING PRODUCTS

SERIE 059,060,090,190

KUPPLUNGEN, MULTIKUPPLUNGEN &  
KÜHLUNGSELEMENTE FÜR WERKZEUGE



Standard hose tail socket  
Kupplung mit gerader Standard - Schlauchtülle



With Valve / Mit Ventil  
Order No / Bestellnr.

Without Valve / Ohne Ventil  
Order No / Bestellnr.

Serie

d1

d2

d3

d4

L

LI

CSK 059 - 05

SK 059 - 05

2.7

5 - 3/16"

2.7

10

5

35

13.5

CSK 060 - 06

SK 060 - 06

6

6 - 1/4"

4

17.3

9

47.5

17.3

CSK 060 - 08

SK 060 - 08

6

8 - 5/16"

6

17.3

9

47.5

17.3

CSK 060 - 09

SK 060 - 09

6

9 - 5/14"

7

17.3

9

47.5

17.3

CSK 060 - 10

SK 060 - 10

6

10 - 3/8"

8

17.3

9

47.5

17.3

CSK 060 - 13

SK 060 - 13

6

13 - 1/2"

9

17.3

9

53.5

23.3

CSK 090 - 10

SK 090 - 10

9

10 - 3/8"

8

23

13.5

55.1

23.3

CSK 090 - 13

SK 090 - 13

9

13 - 1/2"

10

23

13.5

59.1

23.3

CSK 190 - 19

SK 190 - 19

13

19 - 3/4"

13

32

19

90

32



With Valve / Mit Ventil  
Order No / Bestellnr.

Without Valve / Ohne Ventil  
Order No / Bestellnr.

Serie

d1

d2

d3

d4

L

LI

CSK 059 - 05 - 45°

SK 059 - 05 - 45°

2.7

5 - 3/16"

2.7

10

5

29.5

13.5

CSK 060 - 06 - 45°

SK 060 - 06 - 45°

6

6.7 - 1/4"

4.5

17.3

9

42

19

CSK 060 - 08 - 45°

SK 060 - 08 - 45°

6

8 - 5/16"

5.5

17.3

9

42

19

CSK 060 - 09 - 45°

SK 060 - 09 - 45°

6

9 - 5/14"

6

17.3

9

42

19

CSK 060 - 10 - 45°

SK 060 - 10 - 45°

6

10 - 3/8"

7

17.3

9

42

21

CSK 090 - 10 - 45°

SK 090 - 10 - 45°

9

10 - 3/8"

7.5

23

13.5

52.3

21

CSK 090 - 13 - 45°

SK 090 - 13 - 45°

9

13 - 1/2"

10

23

13.5

41.3

26

CSK 190 - 19 - 45°

SK 190 - 19 - 45°

13

19 - 3/4"

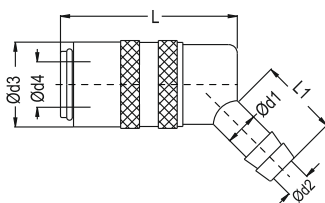
13

31

19

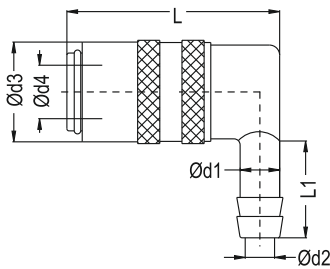
36.5

33.3



Standard hose tail socket 45°  
Kupplung mit 45°  
Standard - Schlauchtülle





Standard hose tail socket 90°  
Kupplung mit 90°  
Standard - Schlauchtülle

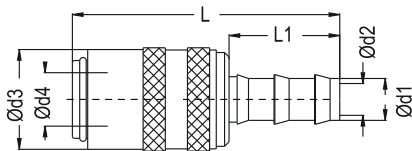


With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                    | NW  | d1        | d2  | d3   | d4   | L    | LI   |
|--------------------|-----|-----------|-----|------|------|------|------|
| CSK 059 - 05 - 90° | 2.7 | 5 - 3/16" | 2.7 | 10   | 5    | 29.5 | 17   |
| CSK 060 - 06 - 90° | 6   | 6 - 1/4"  | 4   | 17.3 | 9    | 42   | 18.2 |
| CSK 060 - 08 - 90° | 6   | 8 - 5/16" | 6   | 17.3 | 9    | 42   | 18.2 |
| CSK 060 - 09 - 90° | 6   | 9 - 5/14" | 6   | 17.3 | 9    | 39.5 | 21.7 |
| CSK 060 - 10 - 90° | 6   | 10 - 3/8" | 6   | 17.3 | 9    | 42   | 20.2 |
| CSK 090 - 10 - 90° | 9   | 10 - 3/8" | 8   | 23.3 | 13.6 | 52.3 | 24.5 |
| CSK 090 - 13 - 90° | 9   | 13 - 1/2" | 9   | 23.3 | 13.6 | 49.5 | 25   |
| CSK 190 - 19 - 90° | 13  | 19 - 3/4" | 13  | 31   | 19   | 76.5 | 33.3 |



Push-Lock hose tail socket  
Kupplung mit gerader  
Schnellsteck - Schlauchtülle

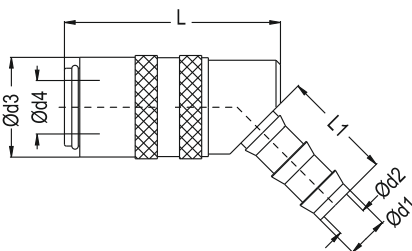


With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                 | NW | d1          | d2  | d3   | d4   | L    | LI |
|-----------------|----|-------------|-----|------|------|------|----|
| CSK 060 - FG 06 | 6  | 6.7 - 1/4"  | 4.5 | 17.3 | 9    | 54.2 | 24 |
| CSK 060 - FG 10 | 6  | 10 - 3/8"   | 7.5 | 17.3 | 9    | 54.2 | 24 |
| CSK 090 - FG 10 | 9  | 10 - 3/8"   | 7.5 | 23.3 | 13.6 | 60   | 28 |
| CSK 090 - FG 13 | 9  | 12.7 - 3/8" | 10  | 23.3 | 13.6 | 64   | 28 |
| CSK 190 - FG 19 | 13 | 19 - 3/4"   | 15  | 31   | 19   | 97   | 38 |



Push-Lock hose tail socket 45°  
Kupplung mit 45°  
Schnellsteck - Schlauchtülle

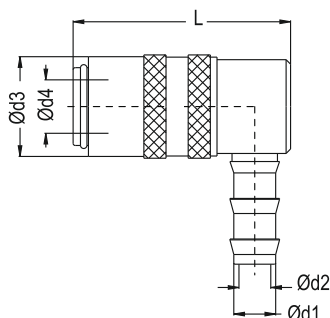


With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                       | NW | d1          | d2  | d3   | d4   | L    | LI |
|-----------------------|----|-------------|-----|------|------|------|----|
| CSK 060 - FG 06 - 45° | 6  | 6.7 - 1/4"  | 4.5 | 17.3 | 9    | 42   | 24 |
| CSK 060 - FG 10 - 45° | 6  | 10 - 3/8"   | 7   | 17.3 | 9    | 42   | 24 |
| CSK 090 - FG 10 - 45° | 9  | 10 - 3/8"   | 7.5 | 23.3 | 13.6 | 52.3 | 28 |
| CSK 090 - FG 13 - 45° | 9  | 12.7 - 3/8" | 10  | 23.3 | 13.6 | 52.3 | 28 |
| CSK 190 - FG 19 - 45° | 13 | 19 - 3/4"   | 15  | 31   | 19   | 76.5 | 38 |



Push-Lock hose tail socket 90°  
Kupplung mit 90°  
Schnellsteck - Schlauchtülle



With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                       | NW | d1          | d2  | d3   | d4   | L    | LI |
|-----------------------|----|-------------|-----|------|------|------|----|
| CSK 060 - FG 06 - 90° | 6  | 6.7 - 1/4"  | 4.5 | 17.3 | 9    | 42   | 24 |
| CSK 060 - FG 10 - 90° | 6  | 10 - 3/8"   | 7.5 | 17.3 | 9    | 42   | 24 |
| CSK 090 - FG 10 - 90° | 9  | 10 - 3/8"   | 7.5 | 23.3 | 13.6 | 52.3 | 28 |
| CSK 090 - FG 13 - 90° | 9  | 12.7 - 1/2" | 10  | 23.3 | 13.6 | 52.3 | 28 |
| CSK 190 - FG 19 - 90° | 13 | 19 - 3/4"   | 15  | 11   | 19   | 76.5 | 38 |

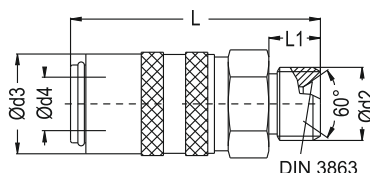


With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                  | NW | d2       | d3   | d4   | L    | LI | SW |
|------------------|----|----------|------|------|------|----|----|
| CSK 060 - EGM 10 | 6  | M10x1.0  | 17   | 9    | 48   | 11 | 17 |
| CSK 060 - EG 13  | 6  | BSP 1/4" | 17.3 | 9    | 47   | 11 | 17 |
| CSK 060 - EGM 14 | 6  | M14x1.5  | 17.3 | 9    | 47   | 11 | 17 |
| CSK 060 - EG 17  | 6  | BSP 3/8" | 17.3 | 9    | 47   | 11 | 17 |
| CSK 090 - EGM 16 | 9  | M16x1.5  | 23.3 | 13   | 51.3 | 11 | 21 |
| CSK 090 - EG 17  | 9  | BSP 3/8" | 23.3 | 13.6 | 51.3 | 11 | 21 |
| CSK 090 - EG 21  | 9  | BSP 1/2" | 23.3 | 13.6 | 51.3 | 14 | 21 |
| CSK 190 - EG 21  | 13 | BSP 1/2" | 31   | 19.6 | 75   | 14 | 30 |
| CSK 190 - EGM 24 | 13 | M24x1.5  | 31   | 19   | 77   | 16 | 30 |



Cylindrical Male Thread socket  
Kupplung mit Aussengewinde zylindrisch

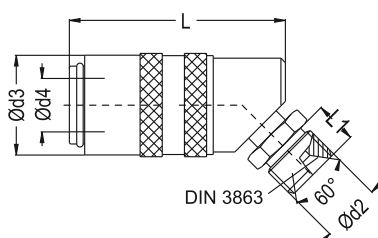


With Valve / Mit Ventil  
Order No / Bestellnr.

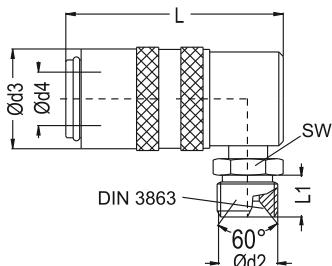


Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                        | NW | d2       | d3   | d4   | L    | LI | SW |
|------------------------|----|----------|------|------|------|----|----|
| CSK 060 - EG 13 - 45°  | 6  | BSP 1/4" | 17.3 | 9    | 42   | 11 | 14 |
| CSK 060 - EGM 14 - 45° | 6  | M14x1.5  | 17.3 | 9    | 42   | 11 | 17 |
| CSK 060 - EG 17 - 45°  | 6  | BSP 3/8" | 17.3 | 9    | 42   | 11 | 17 |
| CSK 090 - EG 17 - 45°  | 9  | BSP 3/8" | 23.3 | 13.6 | 52.3 | 11 | 17 |
| CSK 090 - EGM 16 - 45° | 9  | M16x1.5  | 23.3 | 13.6 | 52.3 | 11 | 17 |
| CSK 090 - EG 21 - 45°  | 9  | BSP 1/2" | 23.3 | 13.6 | 52.3 | 11 | 21 |
| CSK 190 - EG 21 - 45°  | 13 | BSP 1/2" | 31   | 19   | 76.5 | 16 | 22 |
| CSK 190 - EGM 24 - 45° | 13 | M24x1.5  | 31   | 19   | 76.5 | 16 | 14 |



Cylindrical Male Thread socket 45°  
Kupplung mit 45° Aussengewinde zylindrisch



Cylindrical Male Thread socket 90°  
Kupplung mit 90° Aussengewinde zylindrisch



With Valve / Mit Ventil  
Order No / Bestellnr.



Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                        |                       |    |          |      |      |      |    |    |
|------------------------|-----------------------|----|----------|------|------|------|----|----|
| CSK 060 - EG 13 - 90°  | SK 060 - EG 13 - 90°  | 6  | BSP 1/4" | 17.3 | 9    | 42   | 11 | 14 |
| CSK 060 - EGM 14 - 90° | SK 060 - EGM 14 - 90° | 6  | M14x1.5  | 17.3 | 9    | 42   | 11 | 17 |
| CSK 060 - EG 17 - 90°  | SK 060 - EG 17 - 90°  | 6  | BSP 3/8" | 17.3 | 9    | 42   | 11 | 17 |
| CSK 090 - EG 17 - 90°  | SK 090 - EG 17 - 90°  | 9  | BSP 3/8" | 23.3 | 13.6 | 52.3 | 11 | 17 |
| CSK 090 - EGM 16 - 90° | SK 090 - EGM 16 - 90° | 9  | M16x1.5  | 23.3 | 13.6 | 52.3 | 11 | 17 |
| CSK 090 - EG 21 - 90°  | SK 090 - EG 21 - 90°  | 9  | BSP 1/2" | 23.3 | 13.6 | 52.3 | 11 | 21 |
| CSK 190 - EG 21 - 90°  | SK 190 - EG 21 - 90°  | 13 | BSP 1/2" | 31   | 19   | 76.5 | 16 | 22 |
| CSK 190 - EGM 24 - 90° | SK 190 - EGM 24 - 90° | 13 | M24x1.5  | 31   | 19   | 76.5 | 16 | 24 |

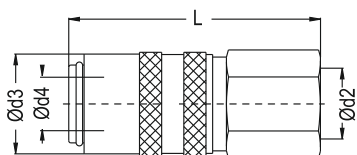


With Valve / Mit Ventil  
Order No / Bestellnr.

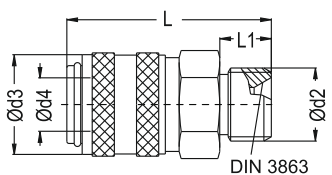


Without Valve / Ohne Ventil  
Order No / Bestellnr.

|                  |                 |    |          |      |      |      |    |    |
|------------------|-----------------|----|----------|------|------|------|----|----|
| CSK 060 - DGM 10 | SK 060 - DGM 10 | 6  | M10x1.0  | 17   | 9    | 44   | 9  | 17 |
| CSK 060 - DG 13  | SK 060 - DG 13  | 6  | BSP 1/4" | 17.3 | 9    | 47   | 11 | 17 |
| CSK 060 - DGM 14 | SK 060 - DGM 14 | 6  | M14x1.5  | 17.3 | 9    | 47   | 11 | 17 |
| CSK 060 - DG 17  | SK 060 - DG 17  | 6  | BSP 3/8" | 17.3 | 9    | 47   | 11 | 17 |
| CSK 090 - DGM 16 | SK 090 - DGM 16 | 9  | M16x1.5  | 23.3 | 13.6 | 48   | 9  | 21 |
| CSK 090 - DG 17  | SK 090 - DG 17  | 9  | BSP 3/8" | 23.3 | 13.6 | 48   | 9  | 21 |
| CSK 090 - DG 21  | SK 090 - DG 21  | 9  | BSP 1/2" | 23.3 | 13.6 | 50.3 | 12 | 24 |
| CSK 190 - DG 21  | SK 190 - DG 21  | 13 | BSP 1/2" | 31   | 19   | 77   | 14 | 30 |
| CSK 190 - DGM 24 | SK 190 - DGM 24 | 13 | M24x1.5  | 31   | 19   | 77   | 16 | 30 |
| CSK 190 - DG 26  | SK 190 - DG 26  | 13 | BSP 3/4" | 31   | 19   | 77   | 18 | 30 |



Female Thread socket  
Kupplung mit Innengewinde



Cylindrical Male Thread socket (Short type)  
Kupplung mit Aussengewinde zylindrisch  
(kurze Version)



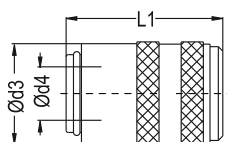
With Valve / Mit Ventil  
Order No / Bestellnr.

NW d2 d3 d4 L LI SW

|             |   |          |      |      |    |   |    |
|-------------|---|----------|------|------|----|---|----|
| 060 - EG 13 | 6 | BSP 1/4" | 18.3 | 9    | 39 | 9 | 17 |
| 090 - EG 17 | 9 | BSP 3/8" | 23   | 13.6 | 38 | 9 | 21 |

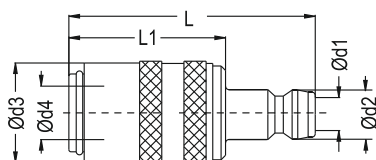


Blind Socket / Blindkupplung



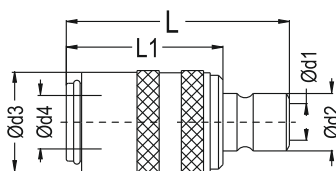
| Order No / Bestellnr. | NW | d3   | d4   | LI   |
|-----------------------|----|------|------|------|
| 060 KTG 00            | 6  | 17.3 | 9    | 34   |
| 090 KTG 00            | 9  | 23   | 13,6 | 39.5 |

Adapting Socket with 060 - 090 Plugs  
Adapterkupplung mit Nippel



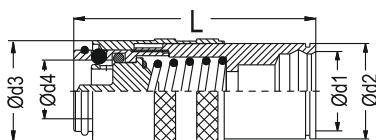
| With Valve / Mit Ventil<br>Order No / Bestellnr. | Without Valve / Ohne Ventil<br>Order No / Bestellnr. | NW | d1 | d2   | d3   | d4   | L    | LI   |
|--------------------------------------------------|------------------------------------------------------|----|----|------|------|------|------|------|
| CSK 060 AU 090                                   | SK 060 AU 090                                        | 6  | 9  | 13.5 | 18.2 | 9    | 46   | 32   |
| CSK 090 AU 060                                   | SK 090 AU 060                                        | 9  | 6  | 9    | 23.3 | 13.6 | 50.3 | 36.1 |

Adapting Socket With 6 - 9 Plugs  
Adapterkupplung mit Nippel



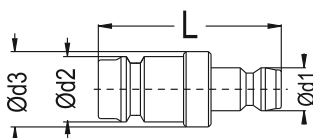
| With Valve / Mit Ventil<br>Order No / Bestellnr. | Without Valve / Ohne Ventil<br>Order No / Bestellnr. | NW | d1 | d2   | d3   | d4   | L    | LI   |
|--------------------------------------------------|------------------------------------------------------|----|----|------|------|------|------|------|
| CSK 060 AU 06                                    | SK 060 AU 06                                         | 6  | 6  | 9.4  | 18   | 9    | 46   | 32   |
| CSK 090 AU 09                                    | SK 090 AU 09                                         | 9  | 9  | 13.5 | 23.3 | 13.6 | 50.3 | 36.2 |

Adapting Socket with 100.08 Plug  
Adapterkupplung mit Buchse



| With Valve / Mit Ventil<br>Order No / Bestellnr. | Without Valve / Ohne Ventil<br>Order No / Bestellnr. | NW | d1 | d2 | d3 | d4   | L    |
|--------------------------------------------------|------------------------------------------------------|----|----|----|----|------|------|
| CSK 060 AU 100.08                                | SK 060 AU 100.08                                     | 6  | 17 | 21 | 18 | 9    | 51   |
| CSK 090 AU 100.08                                | SK 090 AU 100.08                                     | 9  | 17 | 21 | 23 | 13.6 | 58.3 |

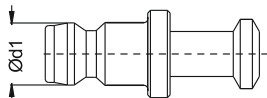
Adapting Plug 060 - 090  
Adapternippel 060 - 090



| Order No / Bestellnr. | d1    | d3 | d2    | L  |
|-----------------------|-------|----|-------|----|
| 060 HEF 090           | 9     | 13 | 13.45 | 38 |
| 060 HEF 060           | 9     | 9  | 11    | 34 |
| 090 HEF 00            | 13.45 | 13 | 13.45 | 40 |



Stop Plug / Blindnippel



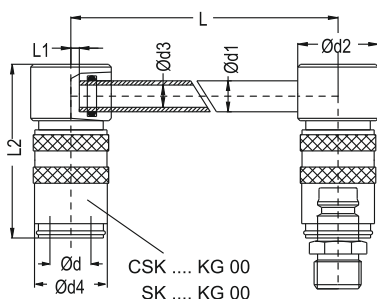
Order No / Bestellnr.

dI

059 KTU 00  
060 KTU 00  
090 KTU 00  
190 KTU 00

5  
9  
13  
19

Diverting Socket / Umlenkkupplungen



With Valve / Mit Ventil  
Order No / Bestellnr.

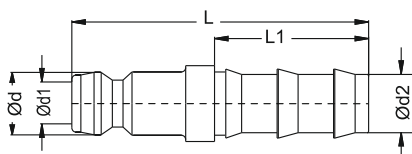
Without Valve / Ohne Ventil  
Order No / Bestellnr.

CSK 060 - KG 125  
CSK 060 - KG 250  
CSK 060 - KG 500  
CSK 090 - KG 125  
CSK 090 - KG 250  
CSK 090 - KG 500  
CSK 190 - KG 160  
CSK 190 - KG 315  
CSK 190 - KG 500

SK 060 - KG 125  
SK 060 - KG 250  
SK 060 - KG 500  
SK 090 - KG 125  
SK 090 - KG 250  
SK 090 - KG 500  
SK 190 - KG 160  
SK 190 - KG 315  
SK 190 - KG 500

| d    | dI | d2 | d3 | d4   | t  | h  | L   | LI | L2 |
|------|----|----|----|------|----|----|-----|----|----|
| 9    | 8  | 20 | 6  | 17.3 | 18 | 29 | 125 | 0  | 44 |
| 9    | 8  | 20 | 6  | 17.3 | 18 | 29 | 250 | 0  | 44 |
| 9    | 8  | 20 | 6  | 17.3 | 18 | 29 | 500 | 0  | 44 |
| 13.5 | 10 | 26 | 8  | 23   | 18 | 39 | 125 | 2  | 53 |
| 13.5 | 10 | 26 | 8  | 23   | 18 | 39 | 250 | 2  | 53 |
| 13.5 | 10 | 26 | 8  | 23   | 18 | 39 | 500 | 2  | 53 |
| 19   | 14 | 36 | 12 | 31   | 36 | 54 | 160 | 3  | 80 |
| 19   | 14 | 36 | 12 | 31   | 36 | 54 | 315 | 3  | 80 |
| 19   | 14 | 36 | 12 | 31   | 36 | 54 | 500 | 3  | 80 |

Push-Lock Hose Plug  
Stecknippel mit  
Schnellsteck - Schlauchtülle



Order No / Bestellnr.

NW

d

dI

d2

LI

L

060 FU 10  
060 FU 13  
090 FU 10  
090 FU 13  
190 FU 13  
190 FU 19

6  
6  
9  
9  
13  
13

9  
9  
13.5  
13.5  
19  
19

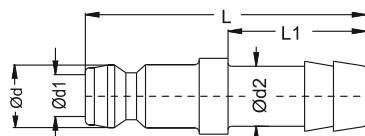
6  
6  
9  
9  
13  
13

10 - 3/8"

24  
28  
24  
28  
28  
38

44  
45  
43  
47  
60  
70

Standard Hose Plug  
Standard Schlauchtülle



Order No / Bestellnr.

NW

d

dI

d2

LI

L

059 HU 05  
060 HU 06  
060 HU 08  
060 HU 09  
060 HU 10  
060 HU 13  
090 HU 10  
090 HU 13  
190 HU 13  
190 HU 19

5  
6  
6  
6  
6  
6  
9  
9  
13  
13

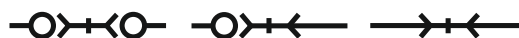
5  
9  
9  
9  
9  
9  
13.5  
13.5  
19  
19

2.5  
6  
8  
9  
10  
13  
10  
13  
13  
19

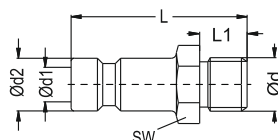
5  
6 - 1/4"

13  
17.3  
17.3  
17.3  
17.3  
23.3  
23.3  
23.3  
23.3  
32

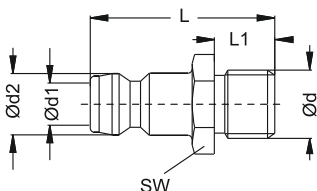
26  
37  
37  
37  
37  
43  
39  
40  
53  
60



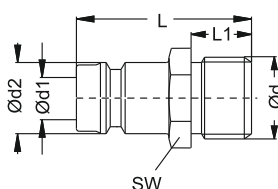
Plug with male thread ( 059 serie )  
Nippel mit Aussengewinde ( 059 serie )



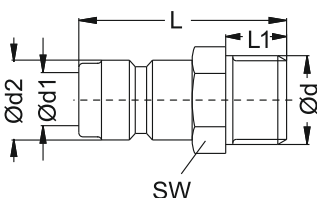
Plug with male thread ( 060 serie )  
Nippel mit Aussengewinde ( 060 serie )



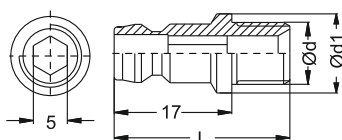
Plug with male thread ( 090 serie )  
Nippel mit Aussengewinde ( 090 serie )



Plug with male thread  
Nippel mit Aussengewinde



Inner hex. Plugs for 060 Serie  
Nippel mit Innensechskant



| Order No / Bestellnr. | Ød      | dI  | d2 | SW | L | LI |
|-----------------------|---------|-----|----|----|---|----|
| 059 EUM 5             | M5x0.50 | 2.5 | 5  | 7  | 5 | 18 |
| 059 EUM 8             | M8x0.75 | 2.5 | 5  | 11 | 8 | 21 |

| Order No / Bestellnr. | Ød       | dI  | d2 | SW | L | LI |
|-----------------------|----------|-----|----|----|---|----|
| 060 EUM 8             | M8x0.75  | 4.5 | 9  | 11 | 7 | 24 |
| 060 EUM 10            | M10x1.0  | 6   | 9  | 11 | 7 | 24 |
| 060 EUM 10-1.5        | M10x1.5  | 6   | 9  | 11 | 8 | 25 |
| 060 EU 10             | BSP 1/8" | 6   | 9  | 11 | 7 | 24 |
| 060 EU 13             | BSP 1/4" | 6   | 9  | 14 | 9 | 26 |
| 060 EUM 14            | M14x1.5  | 6   | 9  | 14 | 9 | 26 |
| 060 EU 17             | BSP 3/8" | 6   | 9  | 17 | 9 | 26 |

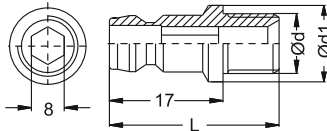
| Order No / Bestellnr. | Ød       | dI | d2   | SW | L  | LI |
|-----------------------|----------|----|------|----|----|----|
| 090 EU 10             | BSP 1/8" | 9  | 13.5 | 15 | 7  | 26 |
| 090 EUM 10            | M10x1.0  | 9  | 13.5 | 17 | 7  | 26 |
| 090 EUM 10x1.5        | M10x1.5  | 9  | 13.5 | 17 | 9  | 28 |
| 090 EUM 12            | M12x1.5  | 9  | 13.5 | 21 | 9  | 30 |
| 090 EU 13             | BSP 1/4" | 9  | 13.5 |    | 9  | 28 |
| 090 EUM 14            | M14x1.5  | 9  | 13.5 |    | 9  | 29 |
| 090 EUM 16            | M16x1.5  | 9  | 13.5 |    | 9  | 29 |
| 090 EU 17             | BSP 3/8" | 9  | 13.5 |    | 9  | 28 |
| 090 EU 21             | BSP 1/2" | 9  | 13.5 |    | 12 | 31 |

| Order No / Bestellnr. | Ød       | dI | d2 | SW | L  | LI |
|-----------------------|----------|----|----|----|----|----|
| 190 EU 21             | BSP 1/2" | 13 | 19 | 22 | 12 | 47 |
| 190 EUM 24            | M24x1.5  | 13 | 19 | 27 | 16 | 51 |
| 190 EU 26             | BSP 3/4" | 13 | 19 | 27 | 16 | 51 |

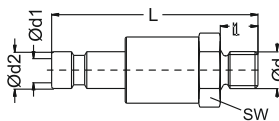
| Order No / Bestellnr. | Ød       | dI   | L  |
|-----------------------|----------|------|----|
| 060 AUM 08            | M8x0.75  | 10   | 24 |
| 060 AUM 10            | M10x1.0  | 13   | 24 |
| 060 AUG 10            | BSP 1/8" | 13   | 24 |
| 060 AUG 13            | BSP 1/4" | 13.5 | 27 |



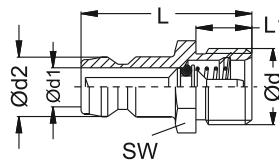
Inner hex. Plugs for 090 Serie  
Nippel mit Innensechskant



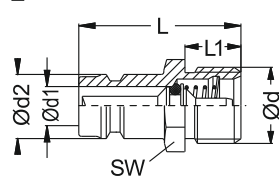
Plug with valve (059 serie)  
Verschlussnippel ( 059 serie )



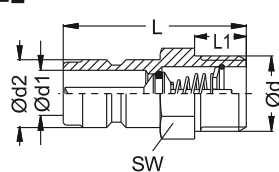
Plug with valve (060 serie)  
Verschlussnippel ( 060 serie )



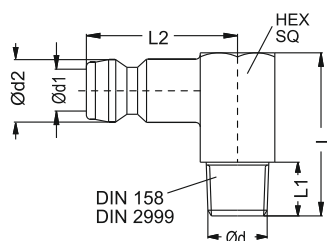
Plug with valve ( 090 serie )  
Verschlussnippel ( 090 serie )



Plug with valve ( 190 serie )  
Verschlussnippel ( 190 serie )



Angle Plug with 90°  
Winkel nippel mit 90°



| Order No / Bestellnr. | Ød       | dl   | L  |
|-----------------------|----------|------|----|
| 090 AUM 14            | M14x1.5  | 14.5 | 26 |
| 090 AUG 13            | BSP 1/4" | 13.5 | 26 |
| 090 AUG 17            | BSP 3/8" | 17   | 26 |

| Order No / Bestellnr. | Ød      | dl  | d2 | L  | LI | SW |
|-----------------------|---------|-----|----|----|----|----|
| 059 EUBM 5            | M5x0.50 | 2.7 | 5  | 28 | 5  | 9  |
| 059 EUBM 8            | M8x0.75 | 2.7 | 5  | 30 | 7  | 9  |

| Order No / Bestellnr. | Ød       | dl | d2 | L  | LI | SW |
|-----------------------|----------|----|----|----|----|----|
| 060 EUB 13            | BSP 1/4" | 6  | 9  | 28 | 11 | 14 |
| 060 EUBM 14           | M14x1.5  | 6  | 9  | 28 | 11 | 14 |
| 060 EUB 17            | BSP 3/8" | 6  | 9  | 28 | 11 | 17 |

| Order No / Bestellnr. | Ød       | dl | d2   | L  | LI | SW |
|-----------------------|----------|----|------|----|----|----|
| 090 EUB 13            | BSP 1/4" | 9  | 13.5 | 30 | 12 | 14 |
| 090 EUBM 14           | M14x1.5  | 9  | 13.5 | 30 | 12 | 15 |
| 090 EUBM 16           | M16x1.5  | 9  | 13.5 | 30 | 12 | 17 |
| 090 EUB 17            | BSP 3/8" | 9  | 13.5 | 30 | 12 | 17 |

| Order No / Bestellnr. | Ød       | dl | d2 | L  | LI   | SW |
|-----------------------|----------|----|----|----|------|----|
| 190 EUB 21            | BSP 1/2" | 13 | 19 | 51 | 14.4 | 22 |
| 190 EUBM 24           | M24x1.5  | 13 | 19 | 51 | 14.4 | 27 |
| 190 EUB 26            | BSP 3/4" | 13 | 19 | 51 | 14.4 | 27 |

| Order No / Bestellnr. | Ød        | dl | d2   | SW (SQ) | L    | LI | L2   |
|-----------------------|-----------|----|------|---------|------|----|------|
| 059 EUM 5 - 90°       | M5x0.50   | 6  | 5    | 10      | 15.5 | 5  | 14.5 |
| 059 EUM 8 - 90°       | M8x0.75   | 6  | 5    | 10      | 17.5 | 7  | 14.5 |
| 060 EUM 8 - 90°       | M8x0.75   | 6  | 9    | 11      | 27   | 9  | 23   |
| 060 EUM 10 - 90°      | M10x1.0   | 6  | 9    | 11      | 27   | 9  | 23   |
| 060 RU 10 - 90°       | BSPT 1/8" | 6  | 9    | 11      | 27   | 9  | 23   |
| 060 RU 13 - 90°       | BSPT 1/4" | 6  | 9    | 15      | 34   | 12 | 27.5 |
| 060 EUM 14 - 90°      | M14x1.5   | 6  | 9    | 15      | 34   | 12 | 27.5 |
| 060 RU 17 - 90°       | BSPT 3/8" | 6  | 9    | 17      | 34   | 12 | 23   |
| 090 RU 13 - 90°       | BSPT 1/4" | 9  | 13.5 | 15      | 34   | 11 | 24.5 |
| 090 EUM 14 - 90°      | M14x1.5   | 9  | 13.5 | 15      | 34   | 12 | 25.5 |
| 090 RU 17 - 90°       | BSPT 3/8" | 9  | 13.5 | 17      | 34   | 12 | 27   |
| 190 RU 21 - 90°       | BSPT 1/2" | 13 | 19   | 25      | 47   | 15 | 42   |
| 190 EUM 24 - 90°      | M24x1.5   | 13 | 19   | 24      | 47   | 16 | 42   |



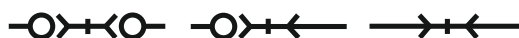
# Seria 59,60,90,190



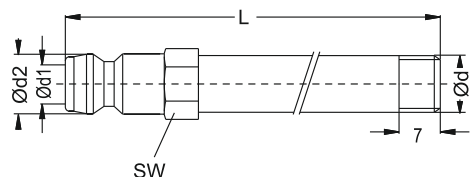
COUPLINGS, MULTICOUPLINGS &  
MOULD COOLING PRODUCTS

SERIE 059,060,090,190

KUPPLUNGEN, MULTIKUPPLUNGEN &  
KÜHLUNGSELEMENTE FÜR WERKZEUGE

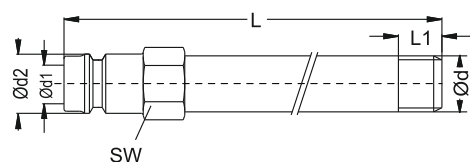


Extension plug with thread ( 060 serie )  
Verlängerungsniessel mit Gewinde (060 serie)



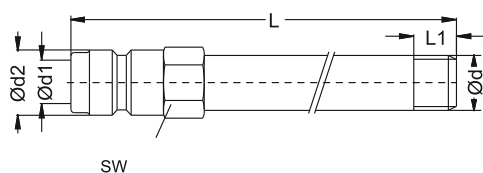
| Order No / Bestellnr. | Ød       | d1 | d2 | 11<br>SW<br>11 | LI | Extension tube / Verlängerung |      |      |
|-----------------------|----------|----|----|----------------|----|-------------------------------|------|------|
|                       |          |    |    |                |    | L60                           | L100 | L150 |
| 060 EUM 8 x L         | M8x0.75  | 5  | 9  | 11             | 7  | 60                            | 100  | 150  |
| 060 EUM 10 x L        | M10x1.0  | 6  | 9  | 11             | 7  | 60                            | 100  | 150  |
| 060 EUM 10x1.5 x L    | M10x1.5  | 6  | 9  | 14             | 9  | 60                            | 100  | 150  |
| 060 EU 10 x L         | BSP 1/8" | 6  | 9  | 15             | 7  | 60                            | 100  | 150  |
| 060 EU 13 x L         | BSP 1/4" | 6  | 9  | 17             | 9  | 60                            | 100  | 150  |
| 060 EUM 14 x L        | M14x1.5  | 6  | 9  |                | 10 | 60                            | 100  | 150  |
| 060 EU 17 x L         | BSP 3/8" | 6  | 9  |                | 9  | 60                            | 100  | 150  |

Extension plug with thread ( 090 serie )  
Verlängerungsniessel mit Gewinde ( 090 serie )



| Order No / Bestellnr. | Ød       | d1 | d2   | SW | LI | Extension tube / Verlängerung |      |      |
|-----------------------|----------|----|------|----|----|-------------------------------|------|------|
|                       |          |    |      |    |    | L60                           | L100 | L150 |
| 090 EU 10 x L         | BSP 1/8" | 9  | 13.5 | 14 | 7  | 60                            | 100  | 150  |
| 090 EUM 10 x L        | M10x1.0  | 9  | 13.5 | 14 | 8  | 60                            | 100  | 150  |
| 090 EUM 10x1.5 x L    | M10x1.5  | 9  | 13.5 | 14 | 10 | 60                            | 100  | 150  |
| 090 EUM 12 x L        | M12x1.5  | 9  | 13.5 | 14 | 10 | 60                            | 100  | 150  |
| 090 EU 13 x L         | BSP 1/4" | 9  | 13.5 | 14 | 9  | 60                            | 100  | 150  |
| 090 EUM 14 x L        | M14x1.5  | 9  | 13.5 | 15 | 10 | 60                            | 100  | 150  |
| 090 EUM 16 x L        | M16x1.5  | 9  | 13.5 | 17 | 13 | 60                            | 100  | 150  |
| 090 EU 17 x L         | BSP 3/8" | 9  | 13.5 | 17 | 9  | 60                            | 100  | 150  |
| 090 EU 21 x L         | BSP 1/2" | 9  | 13.5 | 21 | 12 | 60                            | 100  | 150  |

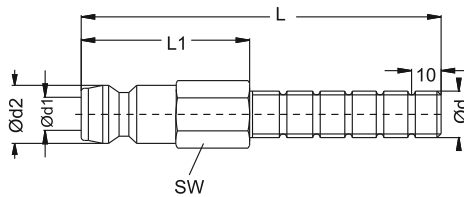
Extension plug with thread ( 190 serie )  
Verlängerungsniessel mit Gewinde ( 190 serie )



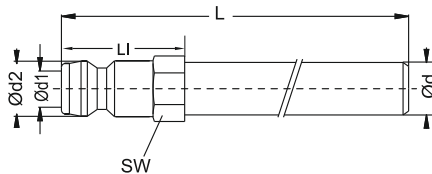
| Order No / Bestellnr. | Ød       | d1 | d2 | SW | LI | Extension tube / Verlängerung |      |      |
|-----------------------|----------|----|----|----|----|-------------------------------|------|------|
|                       |          |    |    |    |    | L60                           | L100 | L150 |
| 190 EU 21 x L         | BSP 1/2" | 13 | 19 | 22 | 12 | 250                           | 500  | 800  |
| 190 EUM 24 x L        | M24x1.5  | 13 | 19 | 27 | 15 | 250                           | 500  | 800  |
| 190 EU 26 x L         | BSP 3/4" | 13 | 19 | 27 | 16 | 250                           | 500  | 800  |



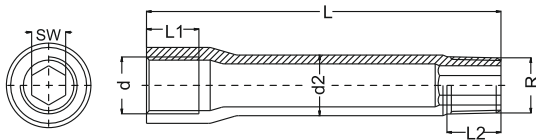
Long threaded plugs ( 060 - 090 serie )  
Gewindestecker ( 060 - 090 serie )



Extension Plug without thread  
Verlängerungsnippel ohne Gewinde



Steel Extension Tube  
Verlängerungsnippel aus Stahl



| Order No / Bestellnr. | Type | Ød       | d1 | d2   | SW | LI | L2  |
|-----------------------|------|----------|----|------|----|----|-----|
| 060 BLM 10x100        | 060  | M10x1.0  | 6  | 9    | 11 | 40 | 100 |
| 060 BL 10x100         | 060  | BSP 1/8" | 6  | 9    | 11 | 40 | 100 |
| 060 BL 13x100         | 060  | BSP 1/4" | 6  | 9    | 14 | 40 | 100 |
| 060 BLM 14x100        | 060  | M14x1.5  | 6  | 9    | 14 | 40 | 100 |
| 060 BL 17x100         | 060  | BSP 3/8" | 6  | 9    | 17 | 40 | 100 |
| 090 BLM 10x100        | 090  | M10x1.0  | 9  | 13.5 | 14 | 40 | 100 |
| 090 BL 10x100         | 090  | BSP 1/8" | 9  | 13.5 | 14 | 40 | 100 |
| 090 BL 13x100         | 090  | BSP 1/4" | 9  | 13.5 | 14 | 40 | 100 |
| 090 BLM 14x100        | 090  | M14x1.5  | 9  | 13.5 | 14 | 40 | 100 |
| 090 BLM 16x100        | 090  | M16x1.5  | 9  | 13.5 | 17 | 40 | 100 |
| 090 BL 17x100         | 090  | BSP 3/8" | 9  | 13.5 | 17 | 40 | 100 |

| Order No / Bestellnr. | Type | Ød | d1 | d2   | SW | LI | L2  |
|-----------------------|------|----|----|------|----|----|-----|
| 060 BU 63             | 060  | 8  | 6  | 9    | 9  | 21 | 63  |
| 060 BU 100            | 060  | 10 | 6  | 9    | 11 | 21 | 100 |
| 060 BU 120            | 060  | 10 | 6  | 9    | 11 | 21 | 120 |
| 060 BU 240            | 060  | 10 | 6  | 9    | 11 | 21 | 240 |
| 060 BU 360            | 060  | 10 | 6  | 9    | 11 | 21 | 360 |
| 090 BU 150            | 090  | 14 | 9  | 13.5 | 15 | 22 | 150 |
| 090 BU 300            | 090  | 14 | 9  | 13.5 | 15 | 22 | 300 |
| 090 BU 450            | 090  | 14 | 9  | 13.5 | 15 | 22 | 450 |
| 190 BU 500            | 190  | 21 | 13 | 19   | 22 | 35 | 500 |
| 190 BU 800            | 190  | 21 | 13 | 19   | 22 | 35 | 800 |

| Order No / Bestellnr. |             | d    | R    | d2 | L   | LI | L2 | SW |
|-----------------------|-------------|------|------|----|-----|----|----|----|
| BSP / BSPT            | NPT / NPT   |      |      |    |     |    |    |    |
| R 10 BU 50            | N 10 BU 50  | 1/8" | 1/8" | 10 | 50  | 12 | 10 | 5  |
| R 10 BU 75            | N 10 BU 75  | 1/8" | 1/8" | 10 | 75  | 12 | 10 | 5  |
| R 10 BU 100           | N 10 BU 100 | 1/8" | 1/8" | 10 | 100 | 12 | 10 | 5  |
| R 10 BU 125           | N 10 BU 125 | 1/8" | 1/8" | 10 | 125 | 12 | 10 | 5  |
| R 13 BU 50            | N 13 BU 50  | 1/4" | 1/4" | 14 | 50  | 12 | 11 | 8  |
| R 13 BU 75            | N 13 BU 75  | 1/4" | 1/4" | 14 | 75  | 12 | 11 | 8  |
| R 13 BU 100           | N 13 BU 100 | 1/4" | 1/4" | 14 | 100 | 12 | 11 | 8  |
| R 13 BU 125           | N 13 BU 125 | 1/4" | 1/4" | 14 | 125 | 12 | 11 | 8  |
| R 13 BU 150           | N 13 BU 150 | 1/4" | 1/4" | 14 | 150 | 12 | 11 | 8  |

## Spare O-Rings / Ersatz O-Ring ( NBR )



| Order No / Bestellnr. | Serie   | Temperature     |
|-----------------------|---------|-----------------|
| CG 060 N              | TST 060 |                 |
| CG 090 N              | TST 090 | -20° / 100° C   |
| CG 190 N              | TST 190 | -4° F / +212° F |

## Spare O-Rings / Ersatz O-Ring ( V )



| Order No / Bestellnr. | Serie   | Temperature      |
|-----------------------|---------|------------------|
| CG 060 V              | TST 060 |                  |
| CG 090 V              | TST 090 | -20° / 200° C    |
| CG 190 V              | TST 190 | -14° F / +392° F |



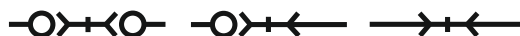
# Seria 59,60,90,190

COUPLINGS, MULTICOUPLINGS &  
MOULD COOLING PRODUCTS

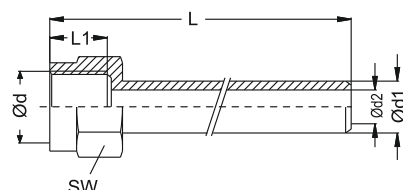


SERIE 059,060,090,190

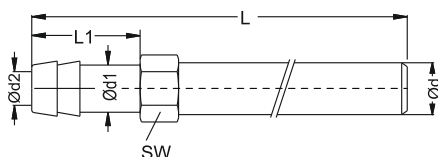
KUPPLUNGEN, MULTIKUPPLUNGEN &  
KÜHLUNGSELEMENTE FÜR WERKZEUGE



Sealing plug extension /  
Dichtungsnippel mit Verlängerung

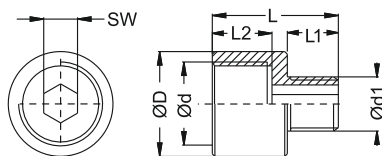


Hose tail extension  
Schlauchtülle Verlängerung



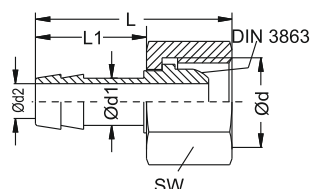
Material : Brass - Messing

Cylindrical reduction  
Reduziernippel



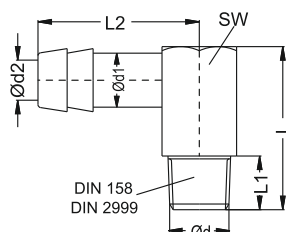
Material : Brass - Messing

Hose tail + Nut  
Schlauchtüllen + Überwurfmutter



Material : Brass - Messing

Angle Nippel ( 90° )  
Winkel-nippel ( 90° )



Material : Brass - Messing

| Order No / Bestellnr. | Ød      | d1 | d2 | LI | t    | SW | L   |
|-----------------------|---------|----|----|----|------|----|-----|
| UN M 14 - 120         | M14x1.5 | 10 | 6  | 12 | 15.5 | 17 | 120 |
| UN M 14 - 240         | M14x1.5 | 10 | 6  | 12 | 15.5 | 17 | 240 |
| UN M 16 - 150         | M16x1.5 | 14 | 9  | 12 | 15.5 | 22 | 150 |
| UN M 16 - 300         | M16x1.5 | 14 | 9  | 12 | 15.5 | 22 | 300 |
| UN M 24 - 500         | M24x1.5 | 21 | 13 | 16 | 21   | 30 | 500 |
| UN M 24 - 800         | M24x1.5 | 21 | 13 | 16 | 21   | 30 | 800 |

| Order No / Bestellnr. | Ød | d2 | d1   | LI | SW | L   |
|-----------------------|----|----|------|----|----|-----|
| BHE 120               | 10 | 6  | 9    |    | 11 | 120 |
| BHE 240               | 10 | 6  | 9    |    | 11 | 240 |
| BHE 360               | 10 | 6  | 9    |    | 11 | 360 |
| BHE 150               | 14 | 9  | 13.3 |    | 15 | 150 |
| BHE 300               | 14 | 9  | 13.3 |    | 15 | 300 |
| BHE 450               | 14 | 9  | 13.3 |    | 15 | 450 |
| BHE 500               | 21 | 13 | 19.3 |    | 22 | 500 |

| Order No / Bestellnr. | Ød       | Ød1      | ØD | L  | LI | L2 | SW |
|-----------------------|----------|----------|----|----|----|----|----|
| BDM 14/10             | M14x1.5  | M10x1    | 17 | 22 | 6  | 12 | 6  |
| BDM 13/10             | BSP 1/4" | BSP 1/8" | 17 | 22 | 6  | 12 | 6  |
| BDM 16/14             | M16x1.5  | M14x1.5  | 20 | 24 | 9  | 12 | 8  |
| BDM 17/13             | BSP 3/8" | BSP 1/4" | 20 | 24 | 9  | 12 | 8  |

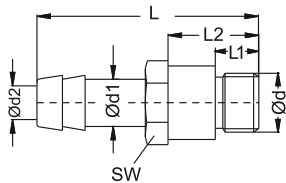
| Order No / Bestellnr. | Ød       | d1 | d2 | LI   | L    | SW |
|-----------------------|----------|----|----|------|------|----|
| SN 14                 | M14x1.5  | 9  | 6  | 17.3 | 31.3 | 17 |
| SN 13                 | BSP 1/4" | 9  | 6  | 17.3 | 31.3 | 17 |
| SN 16                 | M16x1.5  | 13 | 9  | 23   | 37   | 19 |
| SN 17                 | BSP 3/8" | 13 | 9  | 23   | 37   | 19 |
| SN 24                 | M24x1.5  | 19 | 15 | 33   | 47   | 30 |
| SN 26                 | BSP 3/4" | 19 | 13 | 31   | 55   | 30 |

| Order No / Bestellnr. | Ød        | d1 | d2 | L  | LI | L2   | SW |
|-----------------------|-----------|----|----|----|----|------|----|
| AHE M8                | M8x0.75   | 9  | 6  | 27 | 9  | 23.4 | 11 |
| AHE M10               | M10x1     | 9  | 6  | 27 | 9  | 23.4 | 11 |
| AHE 10                | BSPT 1/8" | 9  | 6  | 27 | 9  | 23.4 | 11 |
| AHE M14               | M14x1.5   | 13 | 9  | 34 | 12 | 33   | 15 |
| AHE 13                | BSPT 1/4" | 13 | 9  | 34 | 12 | 33   | 15 |
| AHE M24               | M24x1.4   | 19 | 13 | 47 | 16 | 41.5 | 24 |
| AHE 21                | BSPT 1/2" | 19 | 13 | 47 | 16 | 54   | 30 |





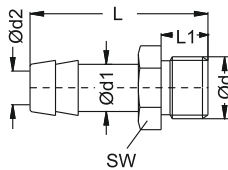
Hose nipple / Nippel mit Schlauchtülle



Material : MS 58 (Brass - Messing)

| Order No / Bestellnr. | d        | d1   | d2 | L    | L1 | L2 | SW |
|-----------------------|----------|------|----|------|----|----|----|
| UHE M10               | M10x1.0  | 9    | 6  | 40.5 | 7  | 14 |    |
| UHE 10                | BSP 1/8" | 9    | 6  | 40.5 | 7  | 14 |    |
| UHE M12               | M12x1.5  | 13   | 8  | 47   | 9  | 16 |    |
| UHE M14               | M14x1.5  | 13   | 9  | 47   | 9  | 20 |    |
| UHE 13                | BSP 1/4" | 13   | 9  | 47   | 9  | 20 |    |
| UHE M24               | M24x1.5  | 19   | 13 | 62   | 12 | 22 |    |
| UHE 21                | BSP 1/2" | 19.5 | 13 | 62   | 12 | 22 |    |

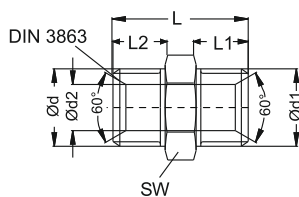
SHE nippel / SHE Nippel



Material : MS 58 (Brass - Messing)

| Order No / Bestellnr. | d        | d1 | d2 | L  | L1 | SW |
|-----------------------|----------|----|----|----|----|----|
| SHE M8                | M8x0,75  | 9  | 6  | 27 | 6  | 11 |
| SHE M10               | M10x1.0  | 9  | 6  | 28 | 6  | 11 |
| SHE 10                | BSP 1/8" | 9  | 6  | 28 | 7  | 11 |
| SHE M12               | M12x1.5  | 13 | 9  | 38 | 9  | 15 |
| SHE 13                | BSP 1/4" | 13 | 9  | 38 | 10 | 15 |
| SHE M14               | M14x1.5  | 13 | 9  | 38 | 10 | 15 |
| SHE M16               | M16x1.5  | 13 | 9  | 38 | 10 | 17 |
| SHE 17                | BSP 3/8" | 13 | 9  | 38 | 10 | 17 |
| SHE M24               | M24x1.5  | 19 | 13 | 49 | 16 | 27 |
| SHE 21                | BSP 1/2" | 19 | 13 | 46 | 12 | 22 |
| SHE 26                | BSP 3/4" | 19 | 13 | 49 | 16 | 27 |

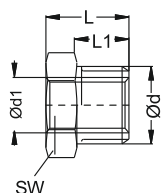
Double nipples / Doppelnippel



Material : MS 58 (Brass - Messing)

| Order No / Bestellnr. | d        | d1       | d2 | L  | L1 | L2 | SW |
|-----------------------|----------|----------|----|----|----|----|----|
| DP 14/14              | M14x1,5  | M14x1,5  | 6  | 23 | 9  | 9  | 17 |
| DP 14/13              | M14x1,5  | BSP 1/4" | 6  | 23 | 9  | 9  | 17 |
| DP 13/13              | BSP 1/4" | BSP 1/4" | 6  | 23 | 9  | 9  | 17 |
| DP 16/16              | M16x1,5  | M16x1,5  | 9  | 23 | 9  | 9  | 17 |
| DP 16/17              | M16x1,5  | BSP 3/8" | 9  | 23 | 9  | 9  | 19 |
| DP 17/17              | BSP 3/8" | BSP 3/8" | 9  | 23 | 9  | 9  | 19 |
| DP 24/24              | M24x1,5  | M24x1,5  | 13 | 40 | 16 | 16 | 27 |
| DP 24/21              | M24x1,5  | BSP 1/2" | 13 | 36 | 16 | 12 | 27 |
| DP 21/21              | BSP 1/2" | BSP 1/2" | 13 | 30 | 12 | 12 | 22 |
| DP 26/26              | BSP 3/4" | BSP 3/4" | 13 | 40 | 16 | 16 | 27 |

Reduction / Reduzierung



Material : MS 58 (Brass - Messing)

| Order No / Bestellnr. | d        | d1       | L  | L1 | SW |
|-----------------------|----------|----------|----|----|----|
| RD 14/10-1            | M14x1,5  | M10x1.0  | 14 | 9  | 15 |
| RD 18/14              | M18x1,5  | M14x1,5  | 14 | 9  | 19 |
| RD 13/10              | BSP 1/4" | BSP 1/8" | 14 | 9  | 14 |
| RD 17/13              | BSP 3/8" | BSP 1/4" | 13 | 9  | 19 |
| RD 21/17              | BSP 1/2" | BSP 3/8" | 18 | 12 | 22 |
| RD 24/16              | M24x1,5  | M16x1,5  | 24 | 16 | 25 |
| RD 26/21              | BSP 3/4" | BSP 1/2" | 24 | 16 | 27 |

