

## SZYBKOSZŁĄCZA, ARMATURA, ZAWORY KULOWE



243.18



243.21



243.27



243.16



243.032



243.034

### Szybkoszłącza NW 5

#### Mosiądz

Jednostronnie odcinające szybkoszłącza o małej masie i dużym przełocie. Idealne do zastosowania w: technice medycznej, dentystycznej, technologii pomiarowej, technice laboratoryjnej, systemach smarowania, narzędziach pneumatycznych, chemii.

Ciśnienie robocze: od 0 do 35 bar, maksymalne ciśnienie statyczne (bez pulsacji)  
 Temperatura medium i otoczenia: od -20° C do +100° C  
 Materiał korpusu: Mosiądz  
 Materiał sprężyny, kulki: Stal nierdzewna  
 Uszczelnienie: Perbunan  
 Przepływ: 560 l/min

#### Szybkoszłącza NW 5, mosiądz

| Nr katalogowy | Złącze                     | Długość | SW |
|---------------|----------------------------|---------|----|
| 243.18        | G 1/8 zewnętrzny           | 36      | 14 |
| 243.19        | G 1/4 zewnętrzny           | 38      | 17 |
| 243.19/S      | G 3/8 zewnętrzny           | 38      | 19 |
| 243.20        | G 1/8 wewnętrzny           | 36      | 14 |
| 243.21        | G 1/4 wewnętrzny           | 38      | 17 |
| 243.21/S      | G 3/8 wewnętrzny           | 38      | 19 |
| 243.25        | Średnica wewnętrzna węża 4 | 46      | -  |
| 243.26        | Średnica wewnętrzna węża 6 | 46      | -  |
| 243.26/S      | Średnica wewnętrzna węża 9 | 46      | -  |
| 243.27        | Skęcane do węża 4 x 6      | 42      | 12 |
| 243.28        | Skęcane do węża 6 x 8      | 42      | 14 |

#### Króciec NW 5, mosiądz

| Nr katalogowy | Złącze                     |
|---------------|----------------------------|
| 243.16        | Średnica wewnętrzna węża 4 |
| 243.17        | Średnica wewnętrzna węża 6 |
| 243.17/S      | Średnica wewnętrzna węża 9 |
| 243.29        | Skęcane do węża 4 x 6      |
| 243.30        | Skęcane do węża 6 x 8      |
| 243.031       | G 1/8 zewnętrzny           |
| 243.032       | G 1/4 zewnętrzny           |
| 243.032/S     | G 3/8 zewnętrzny           |
| 243.033       | G 1/8 wewnętrzny           |
| 243.034       | G 1/4 wewnętrzny           |
| 243.034/S     | G 3/8 wewnętrzny           |

## Szybkozłącza NW 7,2

### Mosiądz

Uniwersalne jednostronnie odcinające szybkozłącza wykonane z myślą o wielu zastosowaniach.

|                                 |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| Ciśnienie robocze:              | od 0 do 35 bar,<br>maksymalne ciśnienie statyczne (bez pulsacji) |
| Temperatura medium i otoczenia: | od -20° C do +100° C                                             |
| Materiał korpusu:               | Mosiądz                                                          |
| Materiał sprężyny, kulki:       | Stal nierdzewna                                                  |
| Uszczelnienie:                  | Perbunan                                                         |
| Przepływ:                       | 1000 l/min                                                       |

### Szybkozłącza NW 7,2, mosiądz

| Nr katalogowy | Złącze                      | Długość | SW |
|---------------|-----------------------------|---------|----|
| 243.01        | G 1/4 zewnętrzny            | 39      | 22 |
| 243.02        | G 3/8 zewnętrzny            | 41      | 22 |
| 243.03        | G 1/2 zewnętrzny            | 44      | 22 |
| 243.11        | G 1/4 wewnętrzny            | 41      | 22 |
| 243.22        | G 3/8 wewnętrzny            | 41      | 22 |
| 243.33        | G 1/2 wewnętrzny            | 44      | 24 |
| 243.44        | Średnica wewnętrzna węża 6  | 58      | 21 |
| 243.45        | Średnica wewnętrzna węża 9  | 58      | 21 |
| 243.46        | Średnica wewnętrzna węża 13 | 58      | 21 |

### Króciec NW 7,2, mosiądz

| Nr katalogowy | Złącze                      |
|---------------|-----------------------------|
| 243.06        | Średnica wewnętrzna węża 6  |
| 243.07        | Średnica wewnętrzna węża 9  |
| 243.10        | Średnica wewnętrzna węża 13 |
| 243.48        | G 1/8 zewnętrzny            |
| 243.50        | G 1/4 zewnętrzny            |
| 243.51        | G 3/8 zewnętrzny            |
| 243.52        | G 1/2 zewnętrzny            |
| 243.54        | G 1/8 wewnętrzny            |
| 243.55        | G 1/4 wewnętrzny            |
| 243.56        | G 3/8 wewnętrzny            |
| 243.57        | G 1/2 wewnętrzny            |
| 243.216       | Skęcane do węża 6 x 4       |
| 243.217       | Skęcane do węża 8 x 6       |
| 243.218       | Skęcane do węża 10 x 8      |

### Kolanko wtykowe NW 7,2, mosiądz

| Nr katalogowy | Złącze                                                      |
|---------------|-------------------------------------------------------------|
| 243.760       | Kolanko wtykowe do węża 6 x 4                               |
| 243.762       | Kolanko wtykowe do węża 10 x 8                              |
| 243.763       | Kolanko wtykowe do węża 12 x 9                              |
| 243.991       | Króciec z przegubem 1/4 wewnętrzny                          |
| 243.992       | Króciec z przegubem 1/2 zewnętrzny                          |
| 243.995       | Przegubowa końcówka pod wąż 6 mm z gwintem zewnętrznym 1/4" |
| 243.996       | Przegubowa końcówka pod wąż 9 mm z gwintem zewnętrznym 1/4" |
| 243.997       | Przegubowa końcówka pod wąż 6 mm z gwintem zewnętrznym 3/8" |
| 243.998       | Przegubowa końcówka pod wąż 9 mm z gwintem zewnętrznym 3/8" |



243.01



243.44



243.06



243.55



243.760



243.992



243.997

## Szybkozłącza z upustem powietrza NW 7,4

### Typ KE

Jednoręczne szybkozłącza z upustem powietrza, z systemem podwójnego odcinania.  
Podłączenie: Podobne do standardowych złączek, łatwe, poprzez wciśnięcie króćca do szybkozłącza.  
Pierwszy ruch mufą umożliwia rozprężenie złączki (węża), drugi rozłącza układ.  
System ten spełnia wymagania ISO 4414 i jest zgodny z BIA (BIA = Przemysłowy instytut bezpieczeństwa).

|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| Ciśnienie robocze:              | od 0 do 8 bar                                                        |
| Temperatura medium i otoczenia: | maksymalne ciśnienie statyczne (bez pulsacji)<br>od -20° C do +60° C |
| Materiał korpusu:               | Mosiądz niklowany                                                    |
| Materiał zaworu:                | Mosiądz                                                              |
| Materiał sprężyny, kulki:       | Stal szlachetna                                                      |
| Materiał mufy rozłączającej:    | Tworzywo sztuczne                                                    |
| Uszczelnienie:                  | Perbunan                                                             |
| Przepływ:                       | 1000 l/min                                                           |

### Szybkozłącza z upustem powietrza NW 7,4

| Nr katalogowy | Złącze                         | Długość |
|---------------|--------------------------------|---------|
| 249.61        | 1/4 zewnętrzny                 | 55      |
| 249.62        | 3/8 zewnętrzny                 | 55      |
| 249.63        | 1/2 zewnętrzny                 | 58      |
| 249.71        | 1/4 wewnętrzny                 | 57      |
| 249.72        | 3/8 wewnętrzny                 | 57      |
| 249.73        | 1/2 wewnętrzny                 | 60      |
| 249.81        | Średnica wewnętrzna węża 6 mm  | 71      |
| 249.82        | Średnica wewnętrzna węża 8 mm  | 71      |
| 249.83        | Średnica wewnętrzna węża 9 mm  | 71      |
| 249.84        | Średnica wewnętrzna węża 10 mm | 71      |
| 249.85        | Średnica wewnętrzna węża 13 mm | 71      |

### Króciec NW 7,4, Stalowe

| Nr katalogowy | Złącze                      |
|---------------|-----------------------------|
| 243.06 ST     | Średnica wewnętrzna węża 6  |
| 243.07 ST     | Średnica wewnętrzna węża 9  |
| 243.10 ST     | Średnica wewnętrzna węża 13 |
| 243.50 ST     | G 1/4 zewnętrzny            |
| 243.51 ST     | G 3/8 zewnętrzny            |
| 243.52 ST     | G 1/2 zewnętrzny            |
| 243.55 ST     | G 1/4 wewnętrzny            |
| 243.56 ST     | G 3/8 wewnętrzny            |
| 243.57 ST     | G 1/2 wewnętrzny            |



249.72



249.81



243.06 ST



243.50 ST

## Szybkozłącza „bezpieczne” NW 7,8

### Typ Bi-Tec

Opatentowana bezpieczna szybkozłączka dla mediów lotnych.  
Jest kombinacją zaworów posuwnych oraz szybkozłączy.

Ciśnienie robocze: max. 20 bar,  
Temperatura medium i otoczenia: max. 100° C  
Materiał korpusu: Mosiądz niklowany  
Materiał mufy rozłączającej: Stal hartowana i niklowana  
Materiał sprężyny, kulki: Stal szlachetna  
Przepływ: 1400 l/min



249.04



249.26



243.06-N



243.50-N



243.216-N

### Szybkozłącza „bezpieczne” NW 7,8

| Nr katalogowy | Złącze                      | Długość | SW |
|---------------|-----------------------------|---------|----|
| 249.04        | R 1/4 zewnętrzny            | 77      | 19 |
| 249.05        | R 3/8 zewnętrzny            | 77      | 22 |
| 249.07        | R 1/2 zewnętrzny            | 83      | 24 |
| 249.14        | G 1/4 wewnętrzny            | 74      | 19 |
| 249.15        | G 3/8 wewnętrzny            | 74      | 19 |
| 249.16        | G 1/2 wewnętrzny            | 77      | 24 |
| 249.24        | Średnica wewnętrzna węża 6  | 85      | -  |
| 249.26        | Średnica wewnętrzna węża 9  | 85      | -  |
| 249.28        | Średnica wewnętrzna węża 13 | 85      | -  |

### Króciec NW 7,2

| Nr katalogowy | Złącze                      |
|---------------|-----------------------------|
| 243.06-N      | Średnica wewnętrzna węża 6  |
| 243.07-N      | Średnica wewnętrzna węża 9  |
| 243.08-N      | Średnica wewnętrzna węża 13 |
| 243.48-N      | G 1/8 zewnętrzny            |
| 243.50-N      | G 1/4 zewnętrzny            |
| 243.51-N      | G 3/8 zewnętrzny            |
| 243.52-N      | G 1/2 zewnętrzny            |
| 243.54-N      | G 1/8 wewnętrzny            |
| 243.55-N      | G 1/4 wewnętrzny            |
| 243.56-N      | G 3/8 wewnętrzny            |
| 243.57-N      | G 1/2 wewnętrzny            |
| 243.216-N     | Skręcane do węża 6 x 4      |
| 243.217-N     | Skręcane do węża 6 x 8      |
| 243.218-N     | Skręcane do węża 10 x 8     |

## Szybkozłącza NW 7,8

### Dla bardzo dużych przepływów

|                                 |                            |
|---------------------------------|----------------------------|
| Ciśnienie robocze:              | 0 - 35 bar,                |
| Temperatura medium i otoczenia: | -20° C do +40° C           |
| Materiał przyłącza:             | Mosiądz niklowany          |
| Materiał korpusu:               | Stal hartowana i niklowana |
| Materiał mufy rozłączającej:    | Mosiądz                    |
| Materiał sprężyny, kulki:       | Stal szlachetna            |
| Uszczelnienie:                  | NBR                        |
| Przepływ:                       | 2100 l/min                 |

### Szybkozłącza NW 7,8

| Nr katalogowy | Złącze                      | Długość | SW |
|---------------|-----------------------------|---------|----|
| 241.11        | G 1/4 zewnętrzny            | 65      | 19 |
| 241.12        | G 3/8 zewnętrzny            | 65      | 19 |
| 241.13        | G 1/2 zewnętrzny            | 65      | 22 |
| 241.21        | G 1/4 wewnętrzny            | 59      | 19 |
| 241.22        | G 3/8 wewnętrzny            | 59      | 19 |
| 241.23        | G 1/2 wewnętrzny            | 62      | 24 |
| 241.31        | Średnica wewnętrzna węża 6  | 80      | 19 |
| 241.32        | Średnica wewnętrzna węża 9  | 80      | 19 |
| 241.35        | Średnica wewnętrzna węża 13 | 80      | 19 |



241.11

### Króciec NW 7,2

| Nr katalogowy | Złącze                      |
|---------------|-----------------------------|
| 243.06-N      | Średnica wewnętrzna węża 6  |
| 243.07-N      | Średnica wewnętrzna węża 9  |
| 243.10-N      | Średnica wewnętrzna węża 13 |
| 243.48-N      | G 1/8 zewnętrzny            |
| 243.50-N      | G 1/4 zewnętrzny            |
| 243.51-N      | G 3/8 zewnętrzny            |
| 243.52-N      | G 1/2 zewnętrzny            |
| 243.54-N      | G 1/8 wewnętrzny            |
| 243.55-N      | G 1/4 wewnętrzny            |
| 243.56-N      | G 3/8 wewnętrzny            |
| 243.57-N      | G 1/2 wewnętrzny            |
| 243.216-N     | Skręcane do węża 6 x 4      |
| 243.217-N     | Skręcane do węża 8 x 6      |
| 243.218-N     | Skręcane do węża 10 x 8     |



243.06-N



243.50-N



243.216-N

## Złącza GEKA GEKA-plus

### Mosiądz

Złącza z miedzi pasujące do węży: przemysłowych, ciśnieniowych, węży do wody, węży do zaprawy, węży ssących.  
Odpowiednie dla wielu zastosowań:  
budownictwo lądowe, budownictwo drogowe i podziemne, przemysł, techniki środowiskowe, rzemiosło, kanalizacja, budowa ogrodu, odbudowa krajobrazu, gospodarka i leśnictwo.  
Dostępna w wersji sztywnej oraz w wersji z możliwością obrotu o 360 stopni.

Ciśnienie robocze: max. 40 bar  
Temperatura robocza: od -30°C do +100°C  
Uszczelnienie: NBR

### GEKA - sztywna złączka do węży

Nr katalogowy Złącze

|       |                             |
|-------|-----------------------------|
| K 100 | Średnica wewnętrzna węża 10 |
| K 101 | Średnica wewnętrzna węża 13 |
| K 102 | Średnica wewnętrzna węża 16 |
| K 103 | Średnica wewnętrzna węża 19 |
| K 104 | Średnica wewnętrzna węża 25 |
| K 106 | Średnica wewnętrzna węża 32 |
| K 107 | Średnica wewnętrzna węża 38 |

### GEKA - sztywna złączka z gwintem wewnętrznym

Nr katalogowy Złącze

|       |                    |
|-------|--------------------|
| K 109 | G 3/8 wewnętrzny   |
| K 110 | G 1/2 wewnętrzny   |
| K 111 | G 3/4 wewnętrzny   |
| K 113 | G 1 wewnętrzny     |
| K 114 | G 1 1/4 wewnętrzny |
| K 116 | G 1 1/2 wewnętrzny |

### GEKA - sztywna złączka z gwintem zewnętrznym

Nr katalogowy Złącze

|         |                    |
|---------|--------------------|
| K 119   | G 1/4 zewnętrzny   |
| K 109 A | G 3/8 zewnętrzny   |
| K 110 A | G 1/2 zewnętrzny   |
| K 111 A | G 3/4 zewnętrzny   |
| K 113 A | G 1 zewnętrzny     |
| K 114 A | G 1 1/4 zewnętrzny |
| K 116 A | G 1 1/2 zewnętrzny |

### GEKA - zaślepka

Nr katalogowy

K 118

### GEKA - złączka prosta do węży, obrotowa 360°

Nr katalogowy Złącze

|       |                                |
|-------|--------------------------------|
| K 201 | Średnica wewnętrzna węża 13 mm |
| K 203 | Średnica wewnętrzna węża 19 mm |
| K 204 | Średnica wewnętrzna węża 25 mm |
| K 206 | Średnica wewnętrzna węża 32 mm |

### GEKA - złączka kolankowa do węży, obrotowa 360°

Nr katalogowy Złącze

|       |                                |
|-------|--------------------------------|
| K 301 | Średnica wewnętrzna węża 13 mm |
| K 303 | Średnica wewnętrzna węża 19 mm |
| K 304 | Średnica wewnętrzna węża 25 mm |
| K 306 | Średnica wewnętrzna węża 32 mm |



K 101



K 110



K 110 A



K 118



K 201



K 301



K 210



K 210 A



K 101-ES



K 110-ES



K 110 A-ES



K 118-ES

## GEKA - złączka z gwintem wewnętrznym, obrotowa 360°

Nr katalogowy Złącze

|       |                  |
|-------|------------------|
| K 210 | G 1/2 wewnętrzny |
| K 211 | G 3/4 wewnętrzny |
| K 213 | G 1 wewnętrzny   |

## GEKA - złączka z gwintem zewnętrznym, obrotowa 360°

Nr katalogowy Złącze

|         |                  |
|---------|------------------|
| K 210 A | G 1/2 zewnętrzny |
| K 211 A | G 3/4 zewnętrzny |
| K 213 A | G 1 zewnętrzny   |

## Uszczelka

Nr katalogowy

|       |                                          |
|-------|------------------------------------------|
| D 117 | Pasuje do wszystkich wielkości, Parbunan |
| D 116 | Do starej wersji Parbunan                |

## Złącza GEKA-plus

### Stal szlachetna

Ze stali chromowej mająca szerokie możliwości zastosowania na przykład w obszarze chemii, przetwórstwa spożywczego, gospodarce wodnej, przemyśle samochodowym, okrętowym, powietrznym, kosmicznym, gospodarce, technologii środowiskowej itp.  
Seria ze stali szlachetnej doskonale współgra z serią standardową z mosiądzu.

|                      |                    |
|----------------------|--------------------|
| Ciśnienie robocze:   | max. 40 bar        |
| Temperatura robocza: | od -50°C do +200°C |
| Uszczelnienie:       | Viton              |

## GEKA - sztywna złączka do węży ze stali szlachetnej

Nr katalogowy Złącze

|          |                             |
|----------|-----------------------------|
| K 101-ES | Średnica wewnętrzna węży 13 |
| K 103-ES | Średnica wewnętrzna węży 19 |
| K 104-ES | Średnica wewnętrzna węży 25 |

## GEKA - sztywna złączka z gwintem wewnętrznym ze stali szlachetnej

Nr katalogowy Złącze

|          |                  |
|----------|------------------|
| K 110-ES | G 1/2 wewnętrzny |
| K 111-ES | G 3/4 wewnętrzny |
| K 113-ES | G 1 wewnętrzny   |

## GEKA - sztywna złączka z gwintem zewnętrznym ze stali szlachetnej

Nr katalogowy Złącze

|          |                  |
|----------|------------------|
| K 110-ES | G 1/2 zewnętrzny |
| K 111-ES | G 3/4 zewnętrzny |
| K 113-ES | G 1 zewnętrzny   |

## GEKA - zaślepka ze stali szlachetnej

Nr katalogowy

|          |
|----------|
| K 118-ES |
|----------|

## Uszczelka

Nr katalogowy

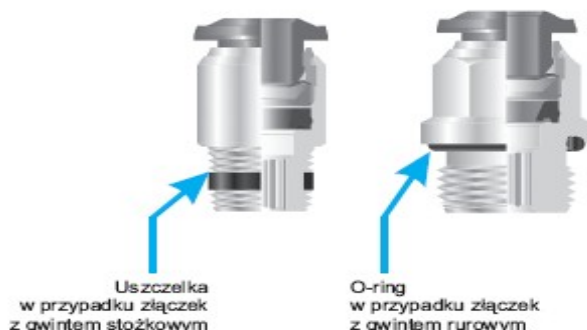
## Złącza wtykowe serii 50000

### Cechy konstrukcyjne:

Pierścień zaciskowy ze stali nierdzewnej zapewnia pewne trzymanie wetkniętego przewodu bez ryzyka jego przecięcia lub uszkodzenia.

Połączenie pomiędzy przewodem a złączką zapewnia całkowitą szczelność nawet w przypadku powstawania wibracji lub uderzeń.

Odpowiedni kształt uszczelki zapewnia perfekcyjną szczelność nawet w przypadku używania złączy do próżni.



Wszystkie złączki (nawet z gwintem M5) wyposażone są w uszczelnienie gwintu, dzięki czemu czas montażu złączy jest naprawdę szybki.



W miejscach, gdzie ograniczona jest przestrzeń do montażu, do wkręcania złączy można używać kluczy imbusowych.

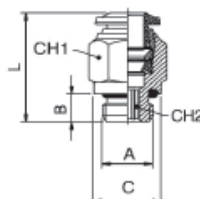
### Jak zamawiać?

50    /  -

Kod produktu | Parametry złącza

## 50020 - Złączka prosta wtykowa z gwintem zewnętrznym

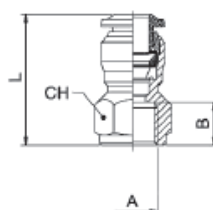
| Wąż | A          | B  | C    | L    | CH1 | CH2 |
|-----|------------|----|------|------|-----|-----|
| 3   | - M5       | 4  | 8,0  | 19,0 | 8   | 2   |
| 4   | - M5       | 4  | 8,0  | 21,0 | 10  | 2   |
| 4   | - 1/8      | 6  | 13,0 | 20,0 | 10  | 3   |
| 4   | - 1/4      | 8  | 16,0 | 19,5 | 16  | 3   |
| 5   | - M5       | 4  | 8,0  | 23,5 | 12  | 2   |
| 5   | - 1/8      | 6  | 13,0 | 22,0 | 12  | 4   |
| 6   | - M5       | 4  | 10,0 | 24,5 | 13  | 2   |
| 6   | - 1/8      | 6  | 13,0 | 23,5 | 13  | 4   |
| 6   | - 1/4      | 8  | 16,0 | 23,5 | 13  | 4   |
| 6   | - 3/8      | 9  | 20,0 | 25,0 | 13  | 4   |
| 6   | - 1/2      | 10 | 25,0 | 27,0 | 13  | 4   |
| 8   | - 1/8      | 6  | 13,0 | 25,0 | 14  | 5   |
| 8   | - 1/4      | 8  | 16,0 | 23,0 | 14  | 6   |
| 8   | - 3/8      | 9  | 20,0 | 24,0 | 14  | 6   |
| 8   | - 1/2      | 10 | 25,0 | 26,5 | 14  | 6   |
| 10  | - 1/4      | 8  | 16,0 | 30,5 | 17  | 6   |
| 10  | - 3/8      | 9  | 20,0 | 27,5 | 17  | 8   |
| 10  | - 1/2      | 10 | 25,0 | 27,0 | 17  | 8   |
| 12  | - 1/4      | 8  | 16,0 | 34,5 | 20  | 6   |
| 12  | - 3/8      | 9  | 20,0 | 34,0 | 20  | 8   |
| 12  | - 1/2      | 10 | 25,0 | 31,0 | 22  | 10  |
| 14  | - 3/8      | 9  | 20,0 | 35,0 | 21  | 10  |
| 14  | - 1/2      | 10 | 25,0 | 32,0 | 22  | 10  |
| 6   | - M12x1    | 8  | 15,0 | 23,5 | 13  | 4   |
| 6   | - M12x1,25 | 8  | 15,0 | 23,5 | 13  | 4   |
| 6   | - M12x1,5  | 8  | 15,0 | 23,5 | 13  | 4   |
| 8   | - M12x1,5  | 8  | 15,0 | 27,5 | 14  | 6   |



50020

## 50030 - Złączka prosta wtykowa z gwintem wewnętrznym

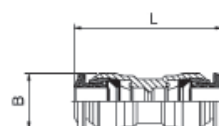
| Wąż | A     | B    | L    | CH |
|-----|-------|------|------|----|
| 3   | - M5  | 5,5  | 18,5 | 9  |
| 4   | - M5  | 5,5  | 21,0 | 11 |
| 4   | - 1/8 | 8,5  | 24,0 | 13 |
| 4   | - 1/4 | 11,0 | 27,5 | 16 |
| 5   | - 1/8 | 8,5  | 26,5 | 13 |
| 6   | - 1/8 | 8,5  | 26,0 | 13 |
| 6   | - 1/4 | 11,0 | 29,5 | 16 |
| 8   | - 1/8 | 8,5  | 27,0 | 15 |
| 8   | - 1/4 | 11,0 | 29,5 | 17 |
| 8   | - 3/8 | 12,0 | 32,0 | 19 |
| 10  | - 1/4 | 11,0 | 32,0 | 18 |
| 10  | - 3/8 | 12,0 | 33,5 | 19 |
| 10  | - 1/2 | 15,0 | 39,0 | 24 |
| 12  | - 3/8 | 12,0 | 36,0 | 21 |
| 12  | - 3/8 | 15,0 | 41,0 | 24 |



50030

## 50040 - Złączka prosta wtykowa przelotowa

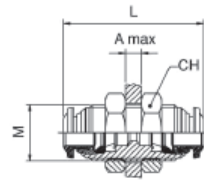
| Wąż     | L    | B    |
|---------|------|------|
| 3       | 26,0 | 8,5  |
| 4       | 30,5 | 10,5 |
| 5       | 33,0 | 11,5 |
| 6 - 4   | 32,0 | 12,5 |
| 6       | 34,0 | 12,5 |
| 8 - 6   | 35,0 | 14,5 |
| 8       | 36,0 | 14,5 |
| 10 - 8  | 40,5 | 17,5 |
| 10      | 42,0 | 17,5 |
| 12 - 10 | 45,5 | 20,5 |
| 12      | 47,0 | 20,5 |
| 14      | 49,0 | 21,5 |



50040



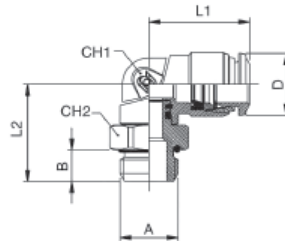
## 50050 - Złączka prosta wtykowa grodziowa



| Wąż | M       | L    | CH | A max. |
|-----|---------|------|----|--------|
| 3   | - M10x1 | 26,0 | 14 | 5,0    |
| 4   | - M12x1 | 31,5 | 17 | 7,0    |
| 5   | - M14x1 | 33,0 | 17 | 7,0    |
| 6   | - M14x1 | 35,0 | 17 | 9,5    |
| 8   | - M16x1 | 37,0 | 19 | 10,5   |
| 10  | - M20x1 | 43,0 | 24 | 12,5   |
| 12  | - M22x1 | 48,0 | 26 | 16,5   |



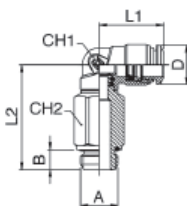
## 50116 - Złączka kątowna wtykowa obrotowa z gwintem zewnętrznym



| Wąż | A          | B   | L1   | L2   | CH1 | CH2 | D    |
|-----|------------|-----|------|------|-----|-----|------|
| 3   | - M5       | 3,6 | 16,5 | 16,2 | 9   | 8   | 10   |
| 4   | - M5       | 3,6 | 18,0 | 16,1 | 9   | 8   | 10   |
| 4   | - 1/8      | 5,4 | 18,0 | 16,4 | 9   | 13  | 10   |
| 4   | - 1/4      | 7,1 | 18,0 | 18,1 | 9   | 16  | 10   |
| 5   | - M5       | 3,6 | 20,0 | 18,3 | 11  | 11  | 12,5 |
| 5   | - 1/8      | 5,4 | 20,0 | 18,1 | 11  | 13  | 12,5 |
| 6   | - M5       | 3,6 | 21,0 | 18,3 | 11  | 11  | 12,5 |
| 6   | - 1/8      | 5,4 | 21,0 | 18,1 | 11  | 13  | 12,5 |
| 6   | - 1/4      | 7,1 | 21   | 19,8 | 11  | 16  | 12,5 |
| 8   | - 1/8      | 5,4 | 22,5 | 20,1 | 12  | 13  | 14,5 |
| 8   | - 1/4      | 7,1 | 22,5 | 20,3 | 12  | 16  | 14,5 |
| 8   | - 3/8      | 8,1 | 22,5 | 22,3 | 12  | 20  | 14,5 |
| 8   | - 1/2      | 9,6 | 22,5 | 23,8 | 12  | 25  | 14,5 |
| 10  | - 1/4      | 7,1 | 26,5 | 24,3 | 14  | 16  | 17,5 |
| 10  | - 3/8      | 8,1 | 26,5 | 23,8 | 14  | 20  | 17,5 |
| 10  | - 1/2      | 9,6 | 26,5 | 25,3 | 14  | 25  | 17,5 |
| 12  | - 3/8      | 8,1 | 31,3 | 25,8 | 16  | 20  | 21,5 |
| 12  | - 1/2      | 9,6 | 31,3 | 27,3 | 16  | 25  | 21,5 |
| 14  | - 3/8      | 8,1 | 31,3 | 26,3 | 16  | 20  | 21,5 |
| 14  | - 1/2      | 9,6 | 31,3 | 27,8 | 16  | 25  | 21,5 |
| 6   | - M12x1    | 7,3 | 20,0 | 19,6 | 11  | 16  | 12,5 |
| 6   | - M12x1,25 | 7,3 | 20,0 | 20,7 | 11  | 16  | 12,5 |
| 6   | - M12x1,5  | 7,3 | 20,0 | 20,7 | 11  | 16  | 12,5 |
| 8   | - M12x1,5  | 7,3 | 22,5 | 21,2 | 12  | 16  | 14,5 |



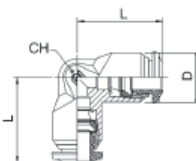
## 50126 - Złączka kątowna wtykowa obrotowa z gwintem zewnętrznym, wysoka



| Wąż | A     | B   | L1   | L2   | CH1 | CH2 | D    |
|-----|-------|-----|------|------|-----|-----|------|
| 4   | - 1/8 | 5,4 | 18,0 | 28,4 | 9   | 12  | 10,0 |
| 4   | - 1/4 | 7,1 | 18,0 | 30,1 | 9   | 15  | 10,0 |
| 5   | - 1/8 | 5,4 | 20,0 | 32,6 | 11  | 12  | 12,5 |
| 6   | - 1/8 | 5,4 | 21,0 | 32,6 | 11  | 12  | 12,5 |
| 6   | - 1/4 | 7,1 | 21,0 | 34,3 | 11  | 15  | 12,5 |
| 8   | - 1/8 | 5,4 | 22,8 | 36,6 | 12  | 12  | 14,5 |
| 8   | - 1/4 | 7,1 | 22,5 | 36,8 | 12  | 15  | 14,5 |
| 8   | - 3/8 | 8,1 | 22,5 | 38,8 | 12  | 18  | 14,5 |
| 10  | - 1/4 | 7,1 | 26,5 | 44,0 | 14  | 16  | 17,5 |
| 10  | - 3/8 | 8,1 | 26,5 | 43,3 | 14  | 18  | 17,5 |



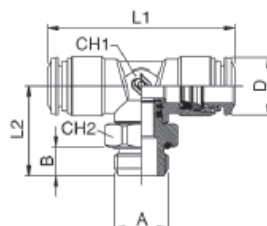
## 50130 - Kolanko wtykowe



| Wąż | L    | CH | D    |
|-----|------|----|------|
| 3   | 17,0 | 9  | 10,0 |
| 4   | 17,0 | 9  | 10,0 |
| 5   | 20,0 | 11 | 12,5 |
| 6   | 21,0 | 11 | 12,5 |
| 8   | 22,5 | 13 | 14,0 |
| 10  | 26,5 | 16 | 17,0 |
| 12  | 30,5 | 19 | 21,5 |
| 14  | 32,5 | 19 | 21,5 |

## 50216 - Trójnik wtykowy T, obrotowy, z gwintem zewnętrznym

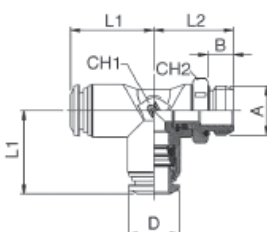
| Wąż | A          | B   | L1   | L2   | CH1 | CH2 | D    |
|-----|------------|-----|------|------|-----|-----|------|
| 3   | - M5       | 3,6 | 33,0 | 16,8 | 9   | 8   | 10,0 |
| 4   | - M5       | 3,6 | 34,0 | 16,8 | 9   | 8   | 10,0 |
| 4   | - 1/8      | 5,4 | 34,0 | 17,1 | 9   | 13  | 10,0 |
| 4   | - 1/4      | 7,1 | 34,0 | 18,8 | 9   | 16  | 10,0 |
| 5   | - M5       | 3,6 | 40,0 | 18,3 | 11  | 11  | 12,5 |
| 5   | - 1/8      | 5,4 | 40,0 | 18,1 | 11  | 13  | 12,5 |
| 6   | - M5       | 3,6 | 42,0 | 18,6 | 11  | 11  | 12,5 |
| 6   | - 1/8      | 5,4 | 42,0 | 18,4 | 11  | 13  | 12,5 |
| 6   | - 1/4      | 7,1 | 42,0 | 20,0 | 11  | 16  | 12,5 |
| 8   | - 1/8      | 5,4 | 45,0 | 22,7 | 13  | 13  | 14,5 |
| 8   | - 1/4      | 7,1 | 45,0 | 23,0 | 13  | 16  | 14,5 |
| 8   | - 3/8      | 8,1 | 45,0 | 25,0 | 13  | 20  | 14,5 |
| 8   | - 1/2      | 9,6 | 45,0 | 26,4 | 13  | 25  | 14,5 |
| 10  | - 1/4      | 7,1 | 53,0 | 26,7 | 14  | 16  | 17,5 |
| 10  | - 3/8      | 8,1 | 53,0 | 26,2 | 14  | 20  | 17,5 |
| 10  | - 1/2      | 9,6 | 53,0 | 27,7 | 14  | 25  | 17,5 |
| 12  | - 3/8      | 8,1 | 62,6 | 28,4 | 16  | 20  | 21,5 |
| 12  | - 1/2      | 9,6 | 62,6 | 29,9 | 16  | 25  | 21,5 |
| 14  | - 3/8      | 8,1 | 62,6 | 28,4 | 16  | 20  | 21,5 |
| 14  | - 1/2      | 9,6 | 62,6 | 29,9 | 16  | 25  | 21,5 |
| 6   | - M12x1    | 7,3 | 42,0 | 20,3 | 11  | 16  | 12,5 |
| 6   | - M12x1,25 | 7,3 | 42,0 | 20,3 | 11  | 16  | 12,5 |
| 6   | - M12x1,5  | 7,3 | 42,0 | 20,3 | 11  | 16  | 12,5 |



50216

## 50226 - Trójnik wtykowy T, obrotowy, z gwintem zewnętrznym

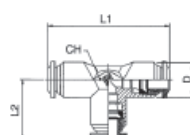
| Wąż | A          | B   | L1   | L2   | CH1 | CH2 | D    |
|-----|------------|-----|------|------|-----|-----|------|
| 3   | - M5       | 3,6 | 16,5 | 16,2 | 9   | 8   | 10,0 |
| 4   | - M5       | 3,6 | 17,0 | 16,1 | 9   | 8   | 10,0 |
| 4   | - 1/8      | 5,4 | 17,0 | 16,4 | 9   | 13  | 10,0 |
| 4   | - 1/4      | 7,1 | 17,0 | 18,1 | 9   | 16  | 10,0 |
| 5   | - M5       | 3,6 | 20,0 | 18,3 | 11  | 11  | 12,5 |
| 5   | - 1/8      | 5,4 | 20,0 | 18,1 | 11  | 13  | 12,5 |
| 6   | - M5       | 3,6 | 21,0 | 18,3 | 11  | 11  | 12,5 |
| 6   | - 1/8      | 5,4 | 21,0 | 18,1 | 11  | 13  | 12,5 |
| 6   | - 1/4      | 7,1 | 21,0 | 19,8 | 11  | 16  | 12,5 |
| 8   | - 1/8      | 5,4 | 22,5 | 21,6 | 13  | 13  | 14,5 |
| 8   | - 1/4      | 7,1 | 22,5 | 21,8 | 13  | 16  | 14,5 |
| 8   | - 3/8      | 8,1 | 22,5 | 23,8 | 13  | 20  | 14,5 |
| 8   | - 1/2      | 9,6 | 22,5 | 25,3 | 13  | 25  | 14,5 |
| 10  | - 1/4      | 7,1 | 26,5 | 25,8 | 14  | 16  | 17,5 |
| 10  | - 3/8      | 8,1 | 26,5 | 25,3 | 14  | 20  | 17,5 |
| 10  | - 1/2      | 9,6 | 26,5 | 26,8 | 14  | 25  | 17,5 |
| 12  | - 3/8      | 8,1 | 31,3 | 28,4 | 16  | 20  | 21,5 |
| 12  | - 1/2      | 9,6 | 31,3 | 29,9 | 16  | 25  | 21,5 |
| 6   | - M12x1    | 7,3 | 21,0 | 20,0 | 11  | 16  | 12,5 |
| 6   | - M12x1,25 | 7,3 | 21,0 | 20,0 | 11  | 16  | 12,5 |
| 6   | - M12x1,5  | 7,3 | 21,0 | 20,0 | 11  | 16  | 12,5 |



50226

## 50230 - Trójnik wtykowy T

| Wąż | L1   | L2   | CH | D    |
|-----|------|------|----|------|
| 3   | 34,0 | 17,0 | 9  | 10,0 |
| 4   | 34,0 | 17,0 | 9  | 10,0 |
| 5   | 40,0 | 20,0 | 11 | 12,5 |
| 6   | 42,0 | 21,0 | 11 | 12,5 |
| 8   | 45,0 | 22,5 | 13 | 14,0 |
| 10  | 53,0 | 26,5 | 16 | 17,0 |
| 12  | 61,0 | 30,5 | 19 | 21,5 |
| 14  | 65,5 | 32,5 | 19 | 21,5 |

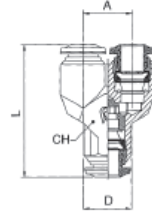


50230



50310

## 50310 - Trójnik wtykowy Y

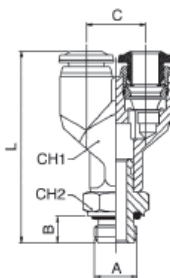


| Waż | A    | L    | CH | D    |
|-----|------|------|----|------|
| 3   | 10,0 | 29,0 | 9  | 10,0 |
| 4   | 11,0 | 32,0 | 9  | 10,0 |
| 5   | 13,5 | 35,0 | 11 | 12,5 |
| 6   | 13,5 | 36,5 | 11 | 12,5 |
| 8   | 15,5 | 41,0 | 13 | 14,0 |
| 10  | 18,5 | 48,0 | 18 | 17,0 |



55325

## 55325 - Trójnik wtykowy Y obrotowy z gwintem zewnętrznym

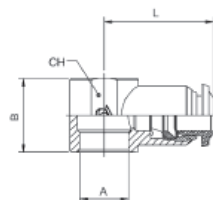


| Waż | A     | B    | C    | L    | CH1 | CH2 |
|-----|-------|------|------|------|-----|-----|
| 4   | - M5  | 4,0  | 11,0 | 36,5 | 10  | 10  |
| 4   | - 1/8 | 6,0  | 11,0 | 38,5 | 10  | 13  |
| 4   | - 1/4 | 8,0  | 11,0 | 40,5 | 10  | 16  |
| 6   | - M5  | 4,0  | 13,5 | 41,5 | 12  | 10  |
| 6   | - 1/8 | 6,0  | 13,5 | 43,5 | 12  | 13  |
| 6   | - 1/4 | 8,0  | 13,5 | 46,5 | 12  | 16  |
| 8   | - 1/8 | 6,0  | 15,5 | 47,0 | 14  | 13  |
| 8   | - 1/4 | 8,0  | 15,5 | 50,0 | 14  | 16  |
| 8   | - 3/8 | 9,0  | 15,5 | 52,0 | 14  | 20  |
| 10  | - 1/4 | 8,0  | 19,0 | 59,5 | 17  | 16  |
| 10  | - 3/8 | 9,0  | 19,0 | 59,5 | 17  | 20  |
| 10  | - 1/2 | 10,0 | 19,0 | 62,0 | 17  | 24  |
| 12  | - 3/8 | 9,0  | 22,0 | 68,5 | 20  | 20  |
| 12  | - 1/2 | 10,0 | 22,0 | 71,0 | 20  | 24  |



50500

## 50500 - Korpus typu "banjo" do złączki wtykowej

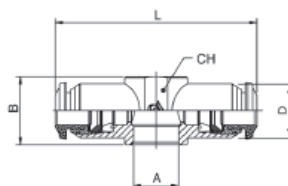


| Waż | A     | B    | L    | CH | D    |
|-----|-------|------|------|----|------|
| 3   | - M5  | 12,5 | 19,0 | -  | 10,0 |
| 3   | - M6  | 12,5 | 19,0 | -  | 10,0 |
| 4   | - M5  | 12,5 | 19,0 | -  | 10,0 |
| 4   | - M6  | 12,5 | 19,0 | -  | 10,0 |
| 4   | - 1/8 | 15,0 | 21,0 | 14 | 10,0 |
| 5   | - M5  | 12,5 | 20,0 | -  | 12,5 |
| 5   | - M6  | 12,5 | 20,0 | -  | 12,5 |
| 5   | - 1/8 | 15,0 | 21,5 | 14 | 12,5 |
| 5   | - 1/4 | 17,0 | 24,5 | 18 | 12,5 |
| 6   | - M5  | 12,5 | 20,5 | -  | 12,5 |
| 6   | - M6  | 12,5 | 20,5 | -  | 12,5 |
| 6   | - 1/8 | 15,0 | 22,0 | 14 | 12,5 |
| 6   | - 1/4 | 17,0 | 25,0 | 18 | 12,5 |
| 8   | - 1/8 | 15,0 | 24,0 | 14 | 14,0 |
| 8   | - 1/4 | 17,0 | 26,0 | 18 | 14,0 |
| 8   | - 3/8 | 20,0 | 28,0 | 21 | 14,0 |
| 10  | - 1/4 | 17,0 | 29,0 | 18 | 17,0 |
| 10  | - 3/8 | 20,0 | 30,5 | 21 | 17,0 |
| 12  | - 3/8 | 20,0 | 32,5 | 21 | 21,5 |
| 12  | - 1/2 | 24,0 | 35,0 | 25 | 21,5 |
| 14  | - 1/2 | 24,0 | 35,5 | 25 | 21,5 |



50510

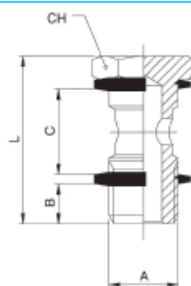
## 50510 - Korpus trójnika wtykowego typu „banjo”



| Waż | A     | B    | L    | CH | D    |
|-----|-------|------|------|----|------|
| 4   | - M5  | 12,5 | 38,0 | -  | 10,0 |
| 4   | - M6  | 12,5 | 38,0 | -  | 10,0 |
| 4   | - 1/8 | 15   | 42,0 | 14 | 10,0 |
| 5   | - 1/8 | 15,0 | 43,0 | 14 | 12,5 |
| 5   | - 1/4 | 17,0 | 49,0 | 18 | 12,5 |
| 6   | - 1/8 | 15,0 | 44,0 | 14 | 12,5 |
| 6   | - 1/4 | 17,0 | 50,0 | 18 | 12,5 |
| 8   | - 1/8 | 15,0 | 48,0 | 14 | 14,0 |
| 8   | - 1/4 | 17,0 | 52,0 | 18 | 14,0 |

## 51410 - Śruba do złączki wtykowej typu "banjo"

| A        | B   | C    | L    | CH |
|----------|-----|------|------|----|
| M5       | 4,0 | 12,5 | 22,0 | 8  |
| M6       | 5,0 | 12,5 | 23,0 | 8  |
| 1/8      | 6,0 | 15,0 | 28,0 | 14 |
| 1/4      | 8,0 | 17,0 | 32,0 | 17 |
| 3/8      | 9,0 | 20,0 | 36,0 | 19 |
| 1/2      | 10  | 24,0 | 42,0 | 24 |
| *M12x1,5 | 8,0 | 17,0 | 32,0 | 17 |

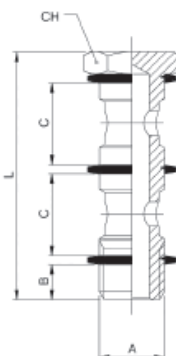


51410

\* Do śruby z gwintem M12x1,5, pasują korpusy przeznaczone do śruby z gwintem G 1/4

## 51420 - Śruba do złączki wtykowej podwójnej typu "banjo"

| A        | B    | C    | L    | CH |
|----------|------|------|------|----|
| 1/8      | 6,0  | 15,0 | 44,5 | 14 |
| 1/4      | 8,0  | 17,0 | 50,5 | 17 |
| 3/8      | 9,0  | 20,0 | 58,0 | 19 |
| 1/2      | 10,0 | 24,0 | 68,0 | 24 |
| *M12x1,5 | 8,0  | 17,0 | 50,5 | 17 |

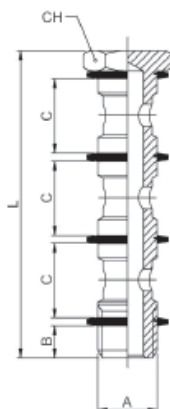


51420

\* Do śruby z gwintem M12x1,5, pasują korpusy przeznaczone do śruby z gwintem G 1/4

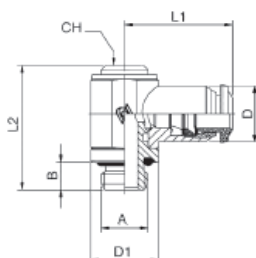
## 51430 - Śruba do złączki wtykowej potrójnej typu "banjo"

| A   | B    | C    | L    | CH |
|-----|------|------|------|----|
| 1/8 | 6,0  | 15,0 | 61,0 | 14 |
| 1/4 | 8,0  | 17,0 | 69,0 | 17 |
| 3/8 | 9,0  | 20,0 | 80,0 | 19 |
| 1/2 | 10,0 | 24,0 | 94,0 | 24 |



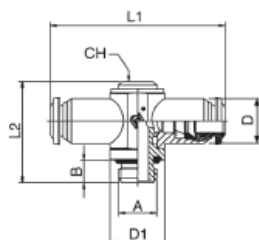
51430

## 50550 - Złączka kątowa wtykowa obrotowa typu „banjo”



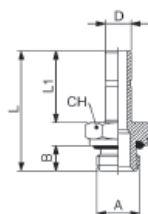
| Waż | A | B   | L1  | L2   | CH   | D1 | D    |      |
|-----|---|-----|-----|------|------|----|------|------|
| 3   | - | M5  | 5,0 | 19,0 | 24,5 | -  | 9,0  | 10,0 |
| 4   | - | M5  | 5,0 | 19,0 | 24,5 | -  | 9,0  | 10,0 |
| 4   | - | 1/8 | 6,0 | 21,0 | 27,0 | 5  | 14,0 | 10,0 |
| 5   | - | M5  | 5,0 | 20,0 | 24,5 | -  | 9,0  | 12,5 |
| 5   | - | 1/8 | 6,0 | 21,5 | 27,0 | 5  | 14,0 | 12,5 |
| 5   | - | 1/4 | 8,0 | 24,5 | 31,0 | 6  | 18,0 | 12,5 |
| 6   | - | M5  | 5,0 | 20,5 | 24,5 | -  | 9,0  | 12,5 |
| 6   | - | 1/8 | 6,0 | 22,5 | 27,0 | 5  | 14,0 | 12,5 |
| 6   | - | 1/4 | 8,0 | 25,0 | 31,0 | 6  | 18,0 | 12,5 |
| 8   | - | 1/8 | 6,0 | 24,0 | 27,0 | 5  | 14,0 | 14,0 |
| 8   | - | 1/4 | 8,0 | 26,0 | 31,0 | 6  | 18,0 | 14,0 |
| 8   | - | 3/8 | 9,0 | 28,0 | 35,5 | 7  | 21,0 | 14,0 |
| 10  | - | 1/4 | 8,0 | 29,0 | 31,0 | 6  | 18,0 | 17,0 |
| 10  | - | 3/8 | 9,0 | 30,5 | 35,5 | 7  | 21,0 | 17,0 |
| 12  | - | 3/8 | 9,0 | 32,5 | 35,5 | 7  | 21,0 | 21,5 |

## 50560 - Trójnik wtykowy obrotowy typu „banjo”



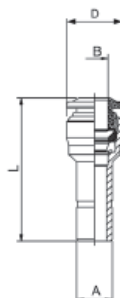
| Waż | A | B   | L1  | L2   | D1   | CH   | D |      |
|-----|---|-----|-----|------|------|------|---|------|
| 4   | - | M5  | 5,0 | 38,0 | 24,5 | 9,0  | - | 10,0 |
| 4   | - | 1/8 | 6,0 | 42,0 | 27,0 | 14,0 | 5 | 10,0 |
| 5   | - | 1/8 | 6,0 | 43,0 | 27,0 | 14,0 | 5 | 12,5 |
| 5   | - | 1/4 | 8,0 | 49,0 | 31,0 | 18,0 | 6 | 12,5 |
| 6   | - | 1/8 | 6,0 | 45,0 | 27,0 | 14,0 | 5 | 12,5 |
| 6   | - | 1/4 | 8,0 | 50,0 | 31,0 | 18,0 | 6 | 12,5 |
| 8   | - | 1/8 | 6,0 | 48,0 | 27,0 | 14,0 | 5 | 14,0 |
| 8   | - | 1/4 | 8,0 | 52,0 | 31,0 | 18,0 | 6 | 14,0 |

## 50600 - Adapter do złączy wtykowych



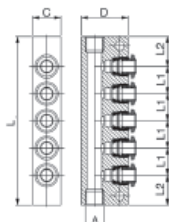
| Waż<br>D |   | A   | B   | L    | L1   | CH |
|----------|---|-----|-----|------|------|----|
| 4        | - | M5  | 4,0 | 24,0 | 15,0 | 8  |
| 4        | - | 1/8 | 6,0 | 26,5 | 15,0 | 13 |
| 5        | - | M5  | 4,0 | 26,0 | 17,0 | 8  |
| 5        | - | 1/8 | 6,0 | 28,5 | 17,0 | 13 |
| 5        | - | 1/4 | 8,0 | 31,0 | 17,0 | 16 |
| 6        | - | M5  | 4,0 | 26,0 | 17,0 | 8  |
| 6        | - | 1/8 | 6,0 | 28,5 | 17,0 | 13 |
| 6        | - | 1/4 | 8,0 | 31,0 | 17,0 | 16 |
| 8        | - | 1/8 | 6,0 | 29,5 | 18,0 | 13 |
| 8        | - | 1/4 | 8,0 | 32,0 | 18,0 | 16 |
| 8        | - | 3/8 | 9,0 | 33,5 | 18,0 | 20 |
| 10       | - | 1/8 | 6,0 | 33,5 | 22,0 | 13 |
| 10       | - | 1/4 | 8,0 | 36,0 | 22,0 | 16 |
| 10       | - | 3/8 | 9,0 | 37,5 | 22,0 | 20 |
| 12       | - | 1/4 | 8,0 | 38,5 | 24,5 | 16 |
| 12       | - | 3/8 | 9,0 | 40,0 | 24,5 | 20 |

## 50700 - Złączka wtykowa, redukcja



| Waż<br>A | B   | L    | D    |
|----------|-----|------|------|
| 4        | - 3 | 30,0 | 8,5  |
| 5        | - 4 | 32,0 | 10,5 |
| 6        | - 4 | 30,0 | 10,5 |
| 6        | - 5 | 33,5 | 11,5 |
| 8        | - 4 | 33,0 | 10,5 |
| 8        | - 6 | 34,5 | 12,5 |
| 10       | - 4 | 31,5 | 10,5 |
| 10       | - 8 | 38,0 | 14,5 |
| 12       | - 8 | 39,0 | 14,5 |

## 50900 - Listwa przyłączeniowa wtykowa do węża



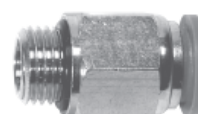
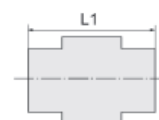
|   | Waż | A   | C    | D    | L     | L1   | L2   |
|---|-----|-----|------|------|-------|------|------|
| 4 | -   | 1/8 | 15,0 | 25,0 | 75,0  | 12,0 | 13,5 |
| 6 | -   | 1/8 | 15,0 | 25,0 | 90,0  | 14,5 | 16,0 |
| 6 | -   | 1/4 | 20,0 | 30,0 | 90,0  | 14,5 | 16,0 |
| 8 | -   | 1/4 | 20,0 | 30,0 | 100,0 | 16,0 | 18,0 |



## Złącza BLUELINE

### Złączka prosta wtykowa z gwintem zewnętrznym (o-ring)

| Kod        | Gwint | Pod waż | L1   | SW |
|------------|-------|---------|------|----|
| 122.005-4  | M5    | 4       | 19,3 | 10 |
| 122.005-6  | M5    | 6       | 20,7 | 12 |
| 122.018-4  | G 1/8 | 4       | 19,5 | 14 |
| 122.018-6  | G 1/8 | 6       | 20,4 | 14 |
| 122.018-8  | G 1/8 | 8       | 25,1 | 14 |
| 122.014-4  | G 1/4 | 4       | 18,1 | 17 |
| 122.014-6  | G 1/4 | 6       | 22,1 | 17 |
| 122.014-8  | G 1/4 | 8       | 23,5 | 17 |
| 122.014-10 | G 1/4 | 10      | 29,3 | 17 |
| 122.014-12 | G 1/4 | 12      | 32,6 | 21 |
| 122.038-6  | G 3/8 | 6       | 20,7 | 20 |
| 122.038-8  | G 3/8 | 8       | 21,1 | 20 |
| 122.038-10 | G 3/8 | 10      | 26,8 | 20 |
| 122.038-12 | G 3/8 | 12      | 29,6 | 21 |
| 122.012-6  | G 1/2 | 6       | 24,7 | 24 |
| 122.012-8  | G 1/2 | 8       | 25,1 | 24 |
| 122.012-10 | G 1/2 | 10      | 25,1 | 24 |
| 122.012-12 | G 1/2 | 12      | 30,6 | 24 |



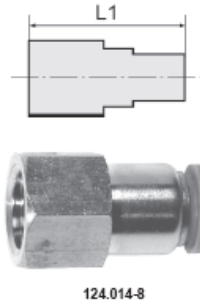
122.014-10

### Złączka prosta wtykowa z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod waż | L1   | SW |
|------------|-------|---------|------|----|
| 123.018-4  | R 1/8 | 4       | 19,8 | 10 |
| 123.018-6  | R 1/8 | 6       | 21,0 | 12 |
| 123.018-8  | R 1/8 | 8       | 25,9 | 14 |
| 123.014-4  | R 1/4 | 4       | 17,9 | 14 |
| 123.014-6  | R 1/4 | 6       | 22,7 | 14 |
| 123.014-8  | R 1/4 | 8       | 24,9 | 14 |
| 123.014-10 | R 1/4 | 10      | 30,8 | 17 |
| 123.014-12 | R 1/4 | 12      | 33,6 | 21 |
| 123.038-6  | R 3/8 | 6       | 20,7 | 17 |
| 123.038-8  | R 3/8 | 8       | 21,9 | 17 |
| 123.038-10 | R 3/8 | 10      | 28,3 | 17 |
| 123.038-12 | R 3/8 | 12      | 30,6 | 21 |
| 123.012-6  | R 1/2 | 6       | 24,7 | 21 |
| 123.012-8  | R 1/2 | 8       | 25,9 | 21 |
| 123.012-10 | R 1/2 | 10      | 26,6 | 21 |
| 123.012-12 | R 1/2 | 12      | 33,6 | 21 |



123.014-10



## Złączka prosta wtykowa z gwintem wewnętrznym

| Kod        | Gwint | Pod wąż | L1   | SW |
|------------|-------|---------|------|----|
| 124.005-4  | M5    | 4       | 20,7 | 10 |
| 124.005-6  | M5    | 6       | 20,7 | 12 |
| 124.018-4  | G 1/8 | 4       | 23,5 | 14 |
| 124.018-6  | G 1/8 | 6       | 24,4 | 14 |
| 124.018-8  | G 1/8 | 8       | 25,1 | 14 |
| 124.014-4  | G 1/4 | 4       | 26,5 | 17 |
| 124.014-6  | G 1/4 | 6       | 27,4 | 17 |
| 124.014-8  | G 1/4 | 8       | 28,1 | 17 |
| 124.014-10 | G 1/4 | 10      | 30,5 | 17 |
| 124.014-12 | G 1/4 | 12      | 33,6 | 21 |
| 124.038-6  | G 3/8 | 6       | 28,4 | 21 |
| 124.038-8  | G 3/8 | 8       | 29,1 | 21 |
| 124.038-10 | G 3/8 | 10      | 31,5 | 21 |
| 124.038-12 | G 3/8 | 12      | 34,6 | 21 |
| 124.012-6  | G 1/2 | 6       | 30,4 | 24 |
| 124.012-8  | G 1/2 | 8       | 31,1 | 24 |
| 124.012-10 | G 1/2 | 10      | 33,5 | 24 |
| 124.012-12 | G 1/2 | 12      | 36,6 | 24 |

## Złączka kątowa wtykowa, obrotowa z gwintem zewnętrznym (o-ring)

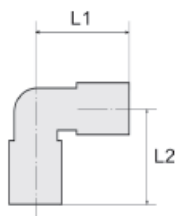
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 125.005-4  | M 5   | 4       | 17,5 | 17,0 | 10 |
| 125.005-6  | M 5   | 6       | 19,0 | 17,5 | 12 |
| 125.018-4  | G 1/8 | 4       | 17,7 | 24,5 | 14 |
| 125.018-6  | G 1/8 | 6       | 19,3 | 25,7 | 14 |
| 125.018-8  | G 1/8 | 8       | 22,8 | 29,0 | 14 |
| 125.014-4  | G 1/4 | 4       | 17,7 | 27,0 | 17 |
| 125.014-6  | G 1/4 | 6       | 19,3 | 28,2 | 17 |
| 125.014-8  | G 1/4 | 8       | 22,8 | 31,5 | 17 |
| 125.014-10 | G 1/4 | 10      | 27,6 | 35,8 | 17 |
| 125.014-12 | G 1/4 | 12      | 29,6 | 38,0 | 21 |
| 125.038-6  | G 3/8 | 6       | 19,3 | 29,7 | 20 |
| 125.038-8  | G 3/8 | 8       | 22,8 | 33,0 | 20 |
| 125.038-10 | G 3/8 | 10      | 27,6 | 37,3 | 20 |
| 125.038-12 | G 3/8 | 12      | 29,6 | 39,0 | 21 |
| 125.012-6  | G 1/2 | 6       | 19,3 | 33,7 | 24 |
| 125.012-8  | G 1/2 | 8       | 22,8 | 37,0 | 24 |
| 125.012-10 | G 1/2 | 10      | 27,6 | 41,3 | 24 |
| 125.012-12 | G 1/2 | 12      | 29,6 | 43,0 | 24 |

## Złączka kątowa wtykowa, obrotowa z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 126.018-4  | R 1/8 | 4       | 17,5 | 24,0 | 10 |
| 126.018-6  | R 1/8 | 6       | 19,0 | 25,7 | 12 |
| 126.018-8  | R 1/8 | 8       | 22,8 | 29,5 | 14 |
| 126.014-4  | R 1/4 | 4       | 17,5 | 27,0 | 14 |
| 126.014-6  | R 1/4 | 6       | 19,0 | 28,2 | 14 |
| 126.014-8  | R 1/4 | 8       | 22,8 | 31,5 | 14 |
| 126.014-10 | R 1/4 | 10      | 27,6 | 36,3 | 17 |
| 126.014-12 | R 1/4 | 12      | 29,6 | 38,5 | 21 |
| 126.038-6  | R 3/8 | 6       | 19,0 | 29,7 | 17 |
| 126.038-8  | R 3/8 | 8       | 22,8 | 33,0 | 17 |
| 126.038-10 | R 3/8 | 10      | 27,6 | 37,3 | 17 |
| 126.038-12 | R 3/8 | 12      | 29,6 | 39,5 | 21 |
| 126.012-6  | R 1/2 | 6       | 19,0 | 33,2 | 21 |
| 126.012-8  | R 1/2 | 8       | 22,8 | 36,5 | 21 |
| 126.012-10 | R 1/2 | 10      | 27,6 | 40,8 | 21 |
| 126.012-12 | R 1/2 | 12      | 29,6 | 42,5 | 21 |

## Złączka kątowa wtykowa, obrotowa, wysoka z gwintem zewnętrznym (o-ring)

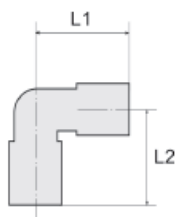
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 127-005-4  | M 5   | 4       | 17,5 | 33,5 | 10 |
| 127-005-6  | M 5   | 6       | 19,0 | 36,7 | 12 |
| 127-018-4  | G 1/8 | 4       | 17,7 | 35,5 | 14 |
| 127-018-6  | G 1/8 | 6       | 19,3 | 39,2 | 14 |
| 127-018-8  | G 1/8 | 8       | 22,8 | 44,3 | 14 |
| 127-014-4  | G 1/4 | 4       | 17,7 | 39,0 | 17 |
| 127-014-6  | G 1/4 | 6       | 19,3 | 42,2 | 17 |
| 127-014-8  | G 1/4 | 8       | 22,8 | 46,8 | 17 |
| 127-014-10 | G 1/4 | 10      | 27,6 | 56,3 | 17 |
| 127-014-12 | G 1/4 | 12      | 29,6 | 61,5 | 21 |
| 127-038-6  | G 3/8 | 6       | 19,3 | 43,7 | 20 |
| 127-038-8  | G 3/8 | 8       | 22,8 | 48,4 | 20 |
| 127-038-10 | G 3/8 | 10      | 27,6 | 57,3 | 20 |
| 127-038-12 | G 3/8 | 12      | 29,6 | 62,5 | 21 |
| 127-012-6  | G 1/2 | 6       | 19,3 | 46,2 | 24 |
| 127-012-8  | G 1/2 | 8       | 22,8 | 50,8 | 24 |
| 127-012-10 | G 1/2 | 10      | 27,6 | 60,8 | 24 |
| 127-012-12 | G 1/2 | 12      | 29,6 | 65,5 | 24 |



127.014-8

## Złączka kątowa wtykowa, obrotowa, wysoka z gwintem zewnętrznym (teflon)

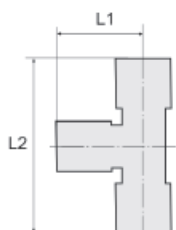
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 128.018-4  | R 1/8 | 4       | 17,5 | 36,0 | 10 |
| 128.018-6  | R 1/8 | 6       | 19,0 | 39,7 | 12 |
| 128.018-8  | R 1/8 | 8       | 22,8 | 44,8 | 14 |
| 128.014-4  | R 1/4 | 4       | 17,5 | 39,0 | 14 |
| 128.014-6  | R 1/4 | 6       | 19,0 | 42,2 | 14 |
| 128.014-8  | R 1/4 | 8       | 22,8 | 46,8 | 14 |
| 128.014-10 | R 1/4 | 10      | 28,0 | 56,3 | 17 |
| 128.014-12 | R 1/4 | 12      | 29,6 | 61,5 | 21 |
| 128.038-6  | R 3/8 | 6       | 19,0 | 43,7 | 17 |
| 128.038-8  | R 3/8 | 8       | 22,8 | 48,4 | 17 |
| 128.038-10 | R 3/8 | 10      | 28,0 | 57,3 | 17 |
| 128.038-12 | R 3/8 | 12      | 29,6 | 62,5 | 21 |
| 128.012-6  | R 1/2 | 6       | 19,0 | 47,2 | 21 |
| 128.012-8  | R 1/2 | 8       | 22,8 | 51,8 | 21 |
| 128.012-10 | R 1/2 | 10      | 28,0 | 60,8 | 21 |
| 128.012-12 | R 1/2 | 12      | 29,6 | 65,5 | 21 |



128.014-8

## Trójnik wtykowy, obrotowy z gwintem zewnętrznym (o-ring)

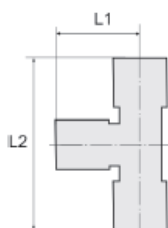
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 129.005-4  | M 5   | 4       | 18,5 | 41,5 | 10 |
| 129.005-6  | M 5   | 6       | 19,5 | 43,3 | 12 |
| 129.018-4  | G 1/8 | 4       | 18,7 | 44,2 | 14 |
| 129.018-6  | G 1/8 | 6       | 19,6 | 45,6 | 14 |
| 129.018-8  | G 1/8 | 8       | 22,8 | 51,7 | 14 |
| 129.014-4  | G 1/4 | 4       | 18,7 | 46,7 | 17 |
| 129.014-6  | G 1/4 | 6       | 19,6 | 48,1 | 17 |
| 129.014-8  | G 1/4 | 8       | 22,8 | 54,2 | 17 |
| 129.014-10 | G 1/4 | 10      | 28,3 | 64,8 | 17 |
| 129.014-12 | G 1/4 | 12      | 29,6 | 67,6 | 21 |
| 129.038-6  | G 3/8 | 6       | 19,6 | 49,6 | 20 |
| 129.038-8  | G 3/8 | 8       | 22,8 | 55,7 | 20 |
| 129.038-10 | G 3/8 | 10      | 28,3 | 66,3 | 20 |
| 129.038-12 | G 3/8 | 12      | 29,6 | 68,6 | 21 |
| 129.012-6  | G 1/2 | 6       | 19,6 | 53,6 | 24 |
| 129.012-8  | G 1/2 | 8       | 22,8 | 59,7 | 24 |
| 129.012-10 | G 1/2 | 10      | 28,3 | 70,3 | 24 |
| 129.012-12 | G 1/2 | 12      | 29,6 | 72,6 | 24 |



129.014-8



130.014-8

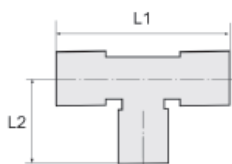


## Trójnik wtykowy T, obrotowy z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 130.018-4  | R 1/8 | 4       | 18,5 | 43,5 | 10 |
| 130.018-6  | R 1/8 | 6       | 19,5 | 45,3 | 12 |
| 130.018-8  | R 1/8 | 8       | 21,5 | 52,2 | 14 |
| 130.014-4  | R 1/4 | 4       | 18,5 | 46,5 | 14 |
| 130.014-6  | R 1/4 | 6       | 19,5 | 47,8 | 14 |
| 130.014-8  | R 1/4 | 8       | 21,5 | 54,2 | 14 |
| 130.014-10 | R 1/4 | 10      | 27,5 | 65,3 | 17 |
| 130.014-12 | R 1/4 | 12      | 29,5 | 68,1 | 21 |
| 130.038-6  | R 3/8 | 6       | 19,5 | 49,3 | 17 |
| 130.038-8  | R 3/8 | 8       | 21,5 | 55,7 | 17 |
| 130.038-10 | R 3/8 | 10      | 27,5 | 66,3 | 17 |
| 130.038-12 | R 3/8 | 12      | 29,5 | 69,1 | 21 |
| 130.012-6  | R 1/2 | 6       | 19,5 | 52,8 | 21 |
| 130.012-8  | R 1/2 | 8       | 21,5 | 59,2 | 21 |
| 130.012-10 | R 1/2 | 10      | 27,5 | 69,8 | 21 |
| 130.012-12 | R 1/2 | 12      | 29,5 | 72,1 | 21 |



131.014-8

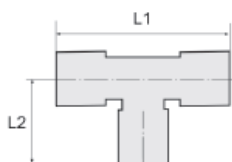


## Trójnik wtykowy T, obrotowy z gwintem zewnętrznym (o-ring)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 131.005-4  | M 5   | 4       | 37,0 | 22,5 | 10 |
| 131.005-6  | M 5   | 6       | 38,6 | 23,5 | 12 |
| 131.018-4  | G 1/8 | 4       | 37,4 | 25,5 | 14 |
| 131.018-6  | G 1/8 | 6       | 39,2 | 26,0 | 14 |
| 131.018-8  | G 1/8 | 8       | 45,5 | 29,0 | 14 |
| 131.014-4  | G 1/4 | 4       | 37,4 | 28,0 | 17 |
| 131.014-6  | G 1/4 | 6       | 39,2 | 28,5 | 17 |
| 131.014-8  | G 1/4 | 8       | 45,5 | 31,5 | 17 |
| 131.014-10 | G 1/4 | 10      | 56,3 | 36,5 | 17 |
| 131.014-12 | G 1/4 | 12      | 59,2 | 38,0 | 21 |
| 131.038-6  | G 3/8 | 6       | 39,2 | 30,0 | 20 |
| 131.038-8  | G 3/8 | 8       | 45,5 | 33,0 | 20 |
| 131.038-10 | G 3/8 | 10      | 56,3 | 38,0 | 20 |
| 131.038-12 | G 3/8 | 12      | 59,2 | 39,0 | 21 |
| 131.012-6  | G 1/2 | 6       | 39,2 | 34,0 | 24 |
| 131.012-8  | G 1/2 | 8       | 45,5 | 37,0 | 24 |
| 131.012-10 | G 1/2 | 10      | 56,3 | 42,0 | 24 |
| 131.012-12 | G 1/2 | 12      | 59,2 | 43,0 | 24 |



132.014-8

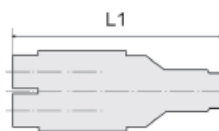


## Trójnik wtykowy T, obrotowy z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 132.018-4  | R 1/8 | 4       | 37,0 | 25,0 | 10 |
| 132.018-6  | R 1/8 | 6       | 38,6 | 26,0 | 12 |
| 132.018-8  | R 1/8 | 8       | 45,5 | 29,0 | 14 |
| 132.014-4  | R 1/4 | 4       | 37,0 | 28,0 | 14 |
| 132.014-6  | R 1/4 | 6       | 38,6 | 28,5 | 14 |
| 132.014-8  | R 1/4 | 8       | 45,5 | 31,5 | 14 |
| 132.014-10 | R 1/4 | 10      | 56,6 | 37,0 | 17 |
| 132.014-12 | R 1/4 | 12      | 59,2 | 38,5 | 21 |
| 132.038-6  | R 3/8 | 6       | 38,6 | 30,0 | 17 |
| 132.038-8  | R 3/8 | 8       | 45,5 | 33,0 | 17 |
| 132.038-10 | R 3/8 | 10      | 56,6 | 38,0 | 17 |
| 132.038-12 | R 3/8 | 12      | 59,2 | 39,5 | 21 |
| 132.012-6  | R 1/2 | 6       | 38,6 | 33,5 | 21 |
| 132.012-8  | R 1/2 | 8       | 45,5 | 36,5 | 21 |
| 132.012-10 | R 1/2 | 10      | 56,6 | 41,5 | 21 |
| 132.012-12 | R 1/2 | 12      | 59,2 | 42,5 | 21 |

## Trójnik wtykowy Y obrotowy z gwintem zewnętrznym (o-ring)

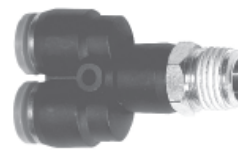
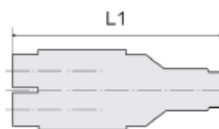
| Kod        | Gwint | Pod wąż | L1   | SW |
|------------|-------|---------|------|----|
| 133.005-4  | M 5   | 4       | 35,5 | 10 |
| 133.005-6  | M 5   | 6       | 37,0 | 12 |
| 133.018-4  | G 1/8 | 4       | 35,5 | 14 |
| 133.018-6  | G 1/8 | 6       | 39,2 | 14 |
| 133.018-8  | G 1/8 | 8       | 44,3 | 14 |
| 133.014-4  | G 1/4 | 4       | 39,0 | 17 |
| 133.014-6  | G 1/4 | 6       | 42,2 | 17 |
| 133.014-8  | G 1/4 | 8       | 46,8 | 17 |
| 133.014-10 | G 1/4 | 10      | 56,3 | 17 |
| 133.014-12 | G 1/4 | 12      | 61,5 | 21 |
| 133.038-6  | G 3/8 | 6       | 43,7 | 20 |
| 133.038-8  | G 3/8 | 8       | 48,4 | 20 |
| 133.038-10 | G 3/8 | 10      | 57,3 | 20 |
| 133.038-12 | G 3/8 | 12      | 62,5 | 21 |
| 133.012-6  | G 1/2 | 6       | 46,2 | 24 |
| 133.012-8  | G 1/2 | 8       | 50,8 | 24 |
| 133.012-10 | G 1/2 | 10      | 60,8 | 24 |
| 133.012-12 | G 1/2 | 12      | 65,5 | 24 |



133.014-8

## Trójnik wtykowy Y obrotowy z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | SW |
|------------|-------|---------|------|----|
| 134.018-4  | R 1/8 | 4       | 42,0 | 10 |
| 134.018-6  | R 1/8 | 6       | 43,8 | 12 |
| 134.018-8  | R 1/8 | 8       | 47,1 | 14 |
| 134.014-4  | R 1/4 | 4       | 45,0 | 14 |
| 134.014-6  | R 1/4 | 6       | 46,3 | 14 |
| 134.014-8  | R 1/4 | 8       | 49,1 | 14 |
| 134.014-10 | R 1/4 | 10      | 58,4 | 17 |
| 134.014-12 | R 1/4 | 12      | 60,7 | 21 |
| 134.038-6  | R 3/8 | 6       | 47,8 | 17 |
| 134.038-8  | R 3/8 | 8       | 50,6 | 17 |
| 134.038-10 | R 3/8 | 10      | 59,4 | 17 |
| 134.038-12 | R 3/8 | 12      | 61,7 | 21 |
| 134.012-6  | R 1/2 | 6       | 51,3 | 21 |
| 134.012-8  | R 1/2 | 8       | 54,1 | 21 |
| 134.012-10 | R 1/2 | 10      | 62,9 | 21 |
| 134.012-12 | R 1/2 | 12      | 65,7 | 21 |



134.014-8

## Złączka prosta wtykowa przelotowa

| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 135.004 | -     | 4       | 33,0 | -  |
| 135.006 | -     | 6       | 35,2 | -  |
| 135.008 | -     | 8       | 39,1 | -  |
| 135.010 | -     | 10      | 47,8 | -  |
| 135.012 | -     | 12      | 49,2 | -  |



135.008

## Złączka prosta wtykowa przelotowa redukcyjna

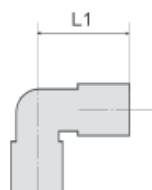
| Kod      | Gwint | Pod wąż | L1   | SW |
|----------|-------|---------|------|----|
| 136.0604 | -     | 6/4     | 34,9 | -  |
| 136.0806 | -     | 8/6     | 38,6 | -  |
| 136.1008 | -     | 10/8    | 47,3 | -  |
| 136.1210 | -     | 12/10   | 48,9 | -  |



136.0806

## Kolanko wtykowe

| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 137.004 | -     | 4       | 17,5 | -  |
| 137.006 | -     | 6       | 19,0 | -  |
| 137.008 | -     | 8       | 22,8 | -  |
| 137.010 | -     | 10      | 27,6 | -  |
| 137.012 | -     | 12      | 29,6 | -  |



137.008



138.008



138.0604



139.008



140.008

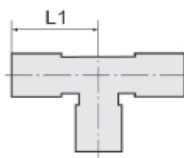


163.014-8



170.014-6

## Trójnik wtykowy T

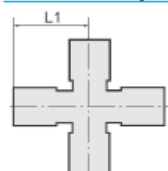


| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 138.004 | -     | 4       | 18,5 | -  |
| 138.006 | -     | 6       | 19,3 | -  |
| 138.008 | -     | 8       | 23,0 | -  |
| 138.010 | -     | 10      | 28,3 | -  |
| 138.012 | -     | 12      | 29,6 | -  |

## Trójnik wtykowy T redukcyjny

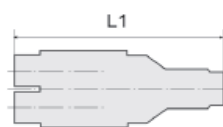
| Kod      | Gwint | Pod wąż        | L1   | SW |
|----------|-------|----------------|------|----|
| 138.0406 | -     | 2 x 4, 1 x 6   | 19,0 | -  |
| 138.0604 | -     | 2 x 6, 1 x 4   | 19,0 | -  |
| 138.0608 | -     | 2 x 6, 1 x 8   | 23,0 | -  |
| 138.0806 | -     | 2 x 8, 1 x 6   | 22,3 | -  |
| 138.0810 | -     | 2 x 8, 1 x 10  | 28,0 | -  |
| 138.1008 | -     | 2 x 10, 1 x 8  | 27,8 | -  |
| 138.1012 | -     | 2 x 10, 1 x 12 | 29,0 | -  |
| 138.1210 | -     | 2 x 12, 1 x 10 | 29,3 | -  |

## Czwórnik wtykowy



| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 139.004 | -     | 4       | 17,5 | -  |
| 139.006 | -     | 6       | 19,3 | -  |
| 139.008 | -     | 8       | 23,0 | -  |
| 139.010 | -     | 10      | 28,3 | -  |
| 139.012 | -     | 12      | 29,6 | -  |

## Trójnik wtykowy Y

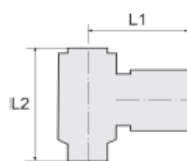


| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 140.004 | -     | 4       | 35,5 | -  |
| 140.006 | -     | 6       | 37,1 | -  |
| 140.008 | -     | 8       | 40,4 | -  |
| 140.010 | -     | 10      | 49,7 | -  |
| 140.012 | -     | 12      | 53,2 | -  |

## Trójnik wtykowy Y redukcyjny

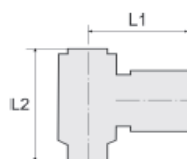
| Kod     | Gwint | Pod wąż        | L1   | SW |
|---------|-------|----------------|------|----|
| 141.006 | -     | 1 x 6, 2 x 4   | 36,8 | -  |
| 141.008 | -     | 1 x 8, 2 x 6   | 39,9 | -  |
| 141.010 | -     | 1 x 10, 2 x 8  | 49,2 | -  |
| 141.012 | -     | 1 x 12, 2 x 10 | 52,9 | -  |

## Złączka kątowna wtykowa typu „banjo” (teflon)



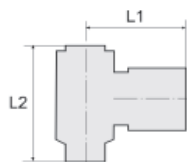
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 163.018-4  | R 1/8 | 4       | 23,0 | 28,0 | 14 |
| 163.018-6  | R 1/8 | 6       | 22,0 | 28,0 | 14 |
| 163.018-8  | R 1/8 | 8       | 25,0 | 28,0 | 14 |
| 163.014-6  | R 1/4 | 6       | 24,0 | 37,0 | 17 |
| 163.014-8  | R 1/4 | 8       | 27,0 | 37,0 | 17 |
| 163.014-10 | R 1/4 | 10      | 30,0 | 37,0 | 17 |
| 163.014-12 | R 1/4 | 12      | 31,0 | 37,0 | 17 |
| 163.038-8  | R 3/8 | 8       | 29,0 | 39,0 | 24 |
| 163.038-10 | R 3/8 | 10      | 33,0 | 39,0 | 20 |
| 163.038-12 | R 3/8 | 12      | 33,0 | 39,0 | 20 |

## Złączka kątowna wtykowa typu „banjo” (o-ring)



| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 170.018-4  | G 1/8 | 4       | 23,0 | 28,0 | 14 |
| 170.018-6  | G 1/8 | 6       | 22,0 | 28,0 | 14 |
| 170.018-8  | G 1/8 | 8       | 25,0 | 28,0 | 14 |
| 170.014-6  | G 1/4 | 6       | 24,0 | 37,0 | 17 |
| 170.014-8  | G 1/4 | 8       | 27,0 | 37,0 | 17 |
| 170.014-10 | G 1/4 | 10      | 30,0 | 37,0 | 17 |
| 170.014-12 | G 1/4 | 12      | 31,0 | 37,0 | 17 |
| 170.038-8  | G 3/8 | 8       | 29,0 | 39,0 | 24 |
| 170.038-10 | G 3/8 | 10      | 33,0 | 39,0 | 20 |

## Złączka kątowa wtykowa typu „banjo” (o-ring)

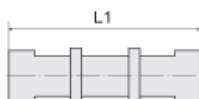


| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 145.005-4  | M 5   | 4       | 20,0 | 17,0 | 8  |
| 145.005-6  | M 5   | 6       | 21,9 | 17,0 | 8  |
| 145.018-4  | G 1/8 | 4       | 22,5 | 23,5 | 14 |
| 145.018-6  | G 1/8 | 6       | 23,5 | 23,4 | 14 |
| 145.018-8  | G 1/8 | 8       | 25,6 | 23,5 | 14 |
| 145.014-4  | G 1/4 | 4       | 23,6 | 27,0 | 14 |
| 145.014-6  | G 1/4 | 6       | 25,5 | 27,0 | 17 |
| 145.014-8  | G 1/4 | 8       | 28,7 | 27,0 | 17 |
| 145.014-10 | G 1/4 | 10      | 33,1 | 27,0 | 17 |
| 145.014-12 | G 1/4 | 12      | 33,5 | 27,0 | 21 |
| 145.038-6  | G 3/8 | 6       | 28,5 | 32,7 | 21 |
| 145.038-8  | G 3/8 | 8       | 29,6 | 32,7 | 21 |
| 145.038-10 | G 3/8 | 10      | 32,9 | 32,7 | 21 |
| 145.038-12 | G 3/8 | 12      | 35,6 | 32,7 | 21 |
| 145.012-6  | G 1/2 | 6       | 30,3 | 38,1 | 24 |
| 145.012-8  | G 1/2 | 8       | 32,1 | 38,1 | 24 |
| 145.012-10 | G 1/2 | 10      | 35,9 | 38,1 | 24 |
| 145.012-12 | G 1/2 | 12      | 36,6 | 38,1 | 24 |



145.014-8

## Złączka prosta wtykowa grodziowa



| Kod     | Gwint | Pod wąż | L1   | L2 | SW |
|---------|-------|---------|------|----|----|
| 149.004 | M 12  | 4       | 30,1 | -  | 14 |
| 149.006 | M 14  | 6       | 31,8 | -  | 17 |
| 149.008 | M 16  | 8       | 35,3 | -  | 19 |
| 149.010 | M 20  | 10      | 41,6 | -  | 24 |
| 149.012 | M 22  | 12      | 45,3 | -  | 27 |



149.006

## Złączka prosta wtykowa z gwintem wewnętrznym, grodziowa

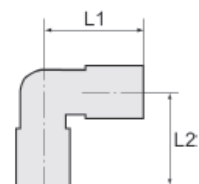


| Kod        | Gwint  | Pod wąż | L1   | SW |
|------------|--------|---------|------|----|
| 151.018-4  | Rc 1/8 | 4       | 26,0 | 14 |
| 151.018-6  | Rc 1/8 | 6       | 27,0 | 17 |
| 151.018-8  | Rc 1/8 | 8       | 32,0 | 19 |
| 151.014-6  | Rc 1/4 | 6       | 32,0 | 17 |
| 151.014-8  | Rc 1/4 | 8       | 36,0 | 19 |
| 151.014-10 | Rc 1/4 | 10      | 34,0 | 24 |
| 151.014-12 | Rc 1/4 | 12      | 36,0 | 24 |
| 151.038-10 | Rc 3/8 | 10      | 35,0 | 24 |
| 151.038-12 | Rc 3/8 | 12      | 38,0 | 24 |
| 151.012-12 | Rc 1/2 | 12      | 42,0 | 24 |



151.014-6

## Złączka kątowa wtykowa grodziowa

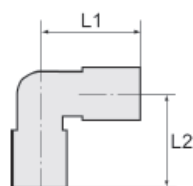


| Kod     | Gwint | Pod wąż | L1   | L2   | SW |
|---------|-------|---------|------|------|----|
| 152.004 | -     | 4       | 18,0 | 44,0 | -  |
| 152.006 | -     | 6       | 19,0 | 47,0 | -  |
| 152.008 | -     | 8       | 23,0 | 53,0 | -  |
| 152.010 | -     | 10      | 28,0 | 64,0 | -  |
| 152.012 | -     | 12      | 30,0 | 69,0 | -  |



152.006

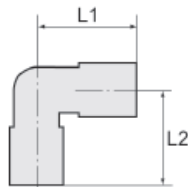
## Złączka kątowa wtykowa obrotowa z gwintem wewnętrznym



| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 168.018-4  | G 1/8 | 4       | 18,0 | 23,0 | 14 |
| 168.018-6  | G 1/8 | 6       | 19,0 | 24,0 | 14 |
| 168.018-8  | G 1/8 | 8       | 23,0 | 27,0 | 14 |
| 168.014-6  | G 1/4 | 6       | 19,0 | 27,0 | 17 |
| 168.014-8  | G 1/4 | 8       | 23,0 | 30,0 | 17 |
| 168.014-10 | G 1/4 | 10      | 28,0 | 34,0 | 17 |
| 168.014-12 | G 1/4 | 12      | 30,0 | 37,0 | 21 |
| 168.038-8  | G 3/8 | 8       | 23,0 | 32,0 | 20 |
| 168.038-10 | G 3/8 | 10      | 28,0 | 36,0 | 20 |
| 168.038-12 | G 3/8 | 12      | 30,0 | 38,0 | 21 |
| 168.012-8  | G 1/2 | 8       | 23,0 | 34,0 | 24 |
| 168.012-10 | G 1/2 | 10      | 30,0 | 38,0 | 24 |
| 168.012-12 | G 1/2 | 12      | 30,0 | 41,0 | 24 |

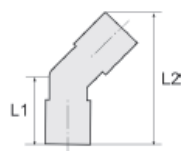


168.014-6



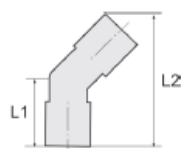
## Złączka kątowna wtykowa obrotowa z gwintem wewnętrznym

| Kod        | Gwint  | Pod wąż | L1   | L2   | SW |
|------------|--------|---------|------|------|----|
| 153.018-4  | Rc 1/8 | 4       | 18,0 | 23,0 | 14 |
| 153.018-6  | Rc 1/8 | 6       | 19,0 | 39,0 | 14 |
| 153.018-8  | Rc 1/8 | 8       | 23,0 | 27,0 | 14 |
| 153.014-6  | Rc 1/4 | 6       | 19,0 | 27,0 | 17 |
| 153.014-8  | Rc 1/4 | 8       | 23,0 | 30,0 | 17 |
| 153.014-10 | Rc 1/4 | 10      | 30,0 | 34,0 | 17 |
| 153.014-12 | Rc 1/4 | 12      | 30,0 | 37,0 | 21 |
| 153.038-8  | Rc 3/8 | 8       | 23,0 | 32,0 | 21 |
| 153.038-10 | Rc 3/8 | 10      | 30,0 | 36,0 | 21 |
| 153.038-12 | Rc 3/8 | 12      | 30,0 | 38,0 | 21 |
| 153.012-8  | Rc 1/2 | 8       | 23,0 | 34,0 | 24 |
| 153.012-10 | Rc 1/2 | 10      | 30,0 | 38,0 | 24 |
| 153.012-12 | Rc 1/2 | 12      | 30,0 | 41,0 | 24 |



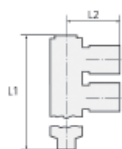
## Złączka kątowna wtykowa 45° z gwintem wewnętrznym (o-ring)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 167.018-4  | G 1/8 | 4       | 23,0 | 39,0 | 14 |
| 167.018-6  | G 1/8 | 6       | 24,0 | 42,0 | 14 |
| 167.018-8  | G 1/8 | 8       | 28,0 | 48,0 | 14 |
| 167.014-6  | G 1/4 | 6       | 27,0 | 45,0 | 17 |
| 167.014-8  | G 1/4 | 8       | 30,0 | 50,0 | 17 |
| 167.014-10 | G 1/4 | 10      | 32,0 | 55,0 | 17 |
| 167.014-12 | G 1/4 | 12      | 35,0 | 62,0 | 21 |
| 167.038-8  | G 3/8 | 8       | 31,0 | 52,0 | 20 |
| 167.038-10 | G 3/8 | 10      | 33,0 | 57,0 | 20 |
| 167.038-12 | G 3/8 | 12      | 36,0 | 63,0 | 21 |
| 167.012-8  | G 1/2 | 8       | 35,0 | 55,0 | 24 |
| 167.012-10 | G 1/2 | 10      | 37,0 | 60,0 | 24 |
| 167.012-12 | G 1/2 | 12      | 39,0 | 66,0 | 24 |



## Złączka kątowna wtykowa 45° z gwintem wewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 154.018-4  | R 1/8 | 4       | 23,0 | 39,0 | 10 |
| 154.018-6  | R 1/8 | 6       | 24,0 | 42,0 | 12 |
| 154.018-8  | R 1/8 | 8       | 28,0 | 48,0 | 14 |
| 154.014-6  | R 1/4 | 6       | 27,0 | 45,0 | 14 |
| 154.014-8  | R 1/4 | 8       | 30,0 | 50,0 | 14 |
| 154.014-10 | R 1/4 | 10      | 32,0 | 56,0 | 17 |
| 154.014-12 | R 1/4 | 12      | 35,0 | 62,0 | 21 |
| 154.038-8  | R 3/8 | 8       | 31,0 | 52,0 | 17 |
| 154.038-10 | R 3/8 | 10      | 33,0 | 57,0 | 17 |
| 154.038-12 | R 3/8 | 12      | 36,0 | 63,0 | 21 |
| 154.012-8  | R 1/2 | 8       | 35,0 | 55,0 | 21 |
| 154.012-10 | R 1/2 | 10      | 37,0 | 60,0 | 21 |
| 154.012-12 | R 1/2 | 12      | 39,0 | 66,0 | 21 |



## Rozdzielacz wtykowy wielosegmentowy redukcijny

| Kod      | Gwint | Pod wąż       | L1   | L2   | SW |
|----------|-------|---------------|------|------|----|
| 146.0604 | -     | 2 x 6, 3 x 4  | 57,6 | 19,0 | -  |
| 146.0804 | -     | 2 x 8, 3 x 4  | 62,6 | 20,0 | -  |
| 146.0806 | -     | 2 x 8, 3 x 6  | 62,6 | 20,3 | -  |
| 146.1006 | -     | 2 x 10, 3 x 6 | 77,3 | 23,8 | -  |
| 146.1008 | -     | 2 x 10, 3 x 8 | 77,7 | 24,3 | -  |

162.006

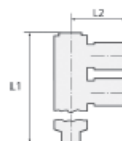


## Rozdzielacz wtykowy wielosegmentowy

| Kod     | Gwint | Pod wąż | L1   | L2   | SW |
|---------|-------|---------|------|------|----|
| 162.004 | -     | 5 x 4   | 57,0 | 19,0 | -  |
| 162.006 | -     | 5 x 6   | 61,0 | 20,0 | -  |
| 162.008 | -     | 5 x 8   | 82,0 | 24,0 | -  |

## Rozdzielacz wtykowy wielosegmentowy, redukcyjny z gwintem zewnętrznym (o-ring)

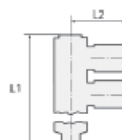
| Kod      | Gwint | Pod wąż       | L1   | L2   | SW |
|----------|-------|---------------|------|------|----|
| 147.0184 | G 1/8 | 1 x 6, 3 x 4  | 64,2 | 20,0 | 14 |
| 147.0144 | G 1/4 | 1 x 8, 3 x 4  | 70,7 | 21,0 | 17 |
| 147.0146 | G 1/4 | 1 x 8, 3 x 6  | 71,7 | 21,0 | 17 |
| 147.0388 | G 3/8 | 1 x 10, 3 x 8 | 91,8 | 25,0 | 20 |



147.0416

## Rozdzielacz wtykowy wielosegmentowy z gwintem zewnętrznym (teflon)

| kod      | Gwint | Pod wąż | L1   | L2   | SW |
|----------|-------|---------|------|------|----|
| 174.0184 | R 1/8 | 4 x 4   | 64,0 | 19,0 | -  |
| 174.0186 | R 1/8 | 4 x 6   | 68,0 | 20,0 | -  |
| 174.0188 | R 1/8 | 4 x 8   | 69,0 | 24,0 | -  |
| 174.0146 | R 1/4 | 4 x 6   | 70,0 | 20,0 | -  |
| 174.0148 | R 1/4 | 4 x 8   | 71,0 | 24,0 | -  |
| 174.0388 | R 3/8 | 4 x 8   | 73,0 | 24,0 | -  |



## Rozdzielacz wtykowy wielosegmentowy, redukcyjny, z gwintem zewnętrznym (teflon)

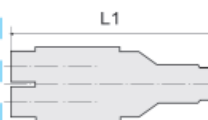
| Kod      | Gwint | Pod wąż       | L1   | L2   | SW |
|----------|-------|---------------|------|------|----|
| 175.0184 | R 1/8 | 3 x 4, 1 x 6  | 68,0 | 19,0 | -  |
| 175.0146 | R 1/4 | 3 x 6, 1 x 8  | 71,0 | 20,0 | -  |
| 175.0388 | R 3/8 | 3 x 8, 1 x 10 | 92,0 | 24,0 | -  |



175.0146

## Łącznik wtykowy Y

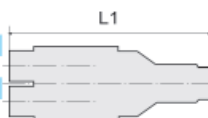
| Kod     | Wtyk | Pod wąż | L1   |
|---------|------|---------|------|
| 142.004 | 4    | 4       | 51,2 |
| 142.006 | 6    | 6       | 54,6 |
| 142.008 | 8    | 8       | 60,1 |
| 142.010 | 10   | 10      | 72,9 |
| 142.012 | 12   | 12      | 78,1 |



142.008

## Łącznik wtykowy redukcyjny Y

| Kod      | Wtyk | Pod wąż | L1   |
|----------|------|---------|------|
| 158.0604 | 6    | 4       | 54,0 |
| 158.0806 | 8    | 6       | 60,0 |
| 158.1008 | 10   | 8       | 72,0 |
| 158.1210 | 12   | 10      | 77,0 |



158.0806

## Złączka wtykowa redukcja

| Kod      | wtyk | Pod wąż | L1   |
|----------|------|---------|------|
| 143.0406 | 6    | 4       | 42,0 |
| 143.0408 | 8    | 4       | 44,5 |
| 143.0608 | 8    | 6       | 45,0 |
| 143.0610 | 10   | 6       | 47,0 |
| 143.0612 | 12   | 6       | 53,5 |
| 143.0810 | 10   | 8       | 47,0 |
| 143.0812 | 12   | 8       | 54,0 |
| 143.1012 | 12   | 10      | 54,5 |



143.0608

## Zaślepka do złączy wtykowych

| Kod     | Gwint | Pod wąż | L1   | SW |
|---------|-------|---------|------|----|
| 144.004 | -     | 4       | 28,0 | -  |
| 144.006 | -     | 6       | 33,0 | -  |
| 144.008 | -     | 8       | 37,0 | -  |
| 144.010 | -     | 10      | 42,0 | -  |
| 144.012 | -     | 12      | 44,0 | -  |

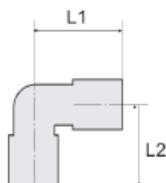


144.008



156.0606

## Łącznik kątowy wtykowy 45°

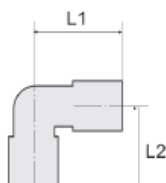


| Kod      | Wtyk | Pod wąż | L1   | L2   |
|----------|------|---------|------|------|
| 156.0404 | 4    | 4       | 23,0 | 48,0 |
| 156.0606 | 6    | 6       | 24,0 | 53,0 |
| 156.0808 | 8    | 8       | 28,0 | 61,0 |
| 156.1010 | 10   | 10      | 30,0 | 70,0 |
| 156.1212 | 12   | 12      | 33,0 | 78,0 |



157.0606

## Łącznik kątowy wtykowy 90°

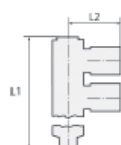


| Kod      | Wtyk | Pod wąż | L1   | L2   |
|----------|------|---------|------|------|
| 157.0404 | 4    | 4       | 18,0 | 33,0 |
| 157.0606 | 6    | 6       | 19,0 | 36,0 |
| 157.0808 | 8    | 8       | 23,0 | 43,0 |
| 157.1010 | 10   | 10      | 28,0 | 51,0 |
| 157.1212 | 12   | 12      | 30,0 | 55,0 |



171.014-6

## Rozdzielacz wtykowy podwójny typu „banjo” z gwintem zewnętrznym (o-ring)

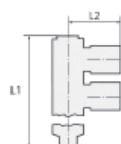


| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 171.018-4  | G 1/8 | 4       | 44,0 | 23,0 | 14 |
| 171.018-6  | G 1/8 | 6       | 44,0 | 22,0 | 14 |
| 171.018-8  | G 1/8 | 8       | 44,0 | 25,0 | 14 |
| 171.014-6  | G 1/4 | 6       | 59,0 | 24,0 | 17 |
| 171.014-8  | G 1/4 | 8       | 59,0 | 27,0 | 17 |
| 171.014-10 | G 1/4 | 10      | 59,0 | 30,0 | 17 |
| 171.014-12 | G 1/4 | 12      | 59,0 | 31,0 | 17 |
| 171.038-8  | G 3/8 | 8       | 61,0 | 29,0 | 24 |
| 171.038-10 | G 3/8 | 10      | 61,0 | 32,0 | 20 |
| 171.038-12 | G 3/8 | 12      | 61,0 | 33,0 | 20 |



164.014-6

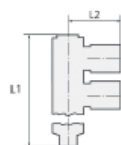
## Rozdzielacz wtykowy podwójny typu „banjo” z gwintem zewnętrznym (teflon)



| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 164.018-4  | R 1/8 | 4       | 44,0 | 23,0 | 14 |
| 164.018-6  | R 1/8 | 6       | 44,0 | 22,0 | 14 |
| 164.018-8  | R 1/8 | 8       | 44,0 | 25,0 | 14 |
| 164.014-6  | R 1/4 | 6       | 59,0 | 24,0 | 17 |
| 164.014-8  | R 1/4 | 8       | 59,0 | 27,0 | 17 |
| 164.014-10 | R 1/4 | 10      | 59,0 | 30,0 | 17 |
| 164.014-12 | R 1/4 | 12      | 59,0 | 31,0 | 17 |
| 164.038-8  | R 3/8 | 8       | 61,0 | 29,0 | 24 |
| 164.038-10 | R 3/8 | 10      | 61,0 | 32,0 | 20 |
| 164.038-12 | R 3/8 | 12      | 61,0 | 33,0 | 20 |



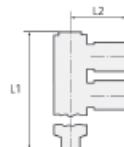
## Rozdzielacz wtykowy potrójny typu „banjo” z gwintem zewnętrznym (o-ring)



| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 172.018-4  | G 1/8 | 4       | 59,0 | 23,0 | 14 |
| 172.018-6  | G 1/8 | 6       | 59,0 | 22,0 | 14 |
| 172.018-8  | G 1/8 | 8       | 58,0 | 25,0 | 14 |
| 172.014-6  | G 1/4 | 6       | 80,0 | 24,0 | 17 |
| 172.014-8  | G 1/4 | 8       | 80,0 | 27,0 | 17 |
| 172.014-10 | G 1/4 | 10      | 80,0 | 30,0 | 17 |
| 172.014-12 | G 1/4 | 12      | 80,0 | 31,0 | 17 |
| 172.038-8  | G 3/8 | 8       | 82,0 | 29,0 | 24 |
| 172.038-10 | G 3/8 | 10      | 82,0 | 32,0 | 20 |
| 172.038-12 | G 3/8 | 12      | 82,0 | 33,0 | 20 |

## Rozdzielacz wtykowy potrójny typu „banjo” z gwintem zewnętrznym (teflon)

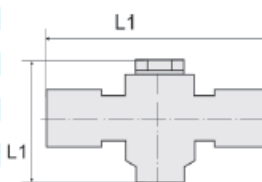
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 165.018-4  | R 1/8 | 4       | 44,0 | 23,0 | 14 |
| 165.018-6  | R 1/8 | 6       | 44,0 | 22,0 | 14 |
| 165.018-8  | R 1/8 | 8       | 45,0 | 25,0 | 14 |
| 165.014-6  | R 1/4 | 6       | 60,0 | 24,0 | 17 |
| 165.014-8  | R 1/4 | 8       | 60,0 | 27,0 | 17 |
| 165.014-10 | R 1/4 | 10      | 60,0 | 30,0 | 17 |
| 165.014-12 | R 1/4 | 12      | 61,0 | 31,0 | 17 |
| 165.038-8  | R 3/8 | 8       | 61,0 | 29,0 | 24 |
| 165.038-10 | R 3/8 | 10      | 61,0 | 32,0 | 20 |
| 165.038-12 | R 3/8 | 12      | 61,0 | 33,0 | 20 |



165.014-6

## Trójnik wtykowy typu „banjo” z gwintem zewnętrznym (o-ring)

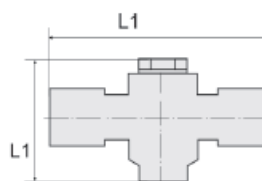
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 173.018-4  | G 1/8 | 4       | 45,0 | 29,0 | 14 |
| 173.018-6  | G 1/8 | 6       | 44,0 | 29,0 | 14 |
| 173.018-8  | G 1/8 | 8       | 50,0 | 29,0 | 14 |
| 173.014-6  | G 1/4 | 6       | 48,0 | 38,0 | 17 |
| 173.014-8  | G 1/4 | 8       | 54,0 | 38,0 | 17 |
| 173.014-10 | G 1/4 | 10      | 60,0 | 38,0 | 17 |
| 173.014-12 | G 1/4 | 12      | 62,0 | 38,0 | 17 |
| 173.038-8  | G 3/8 | 8       | 58,0 | 39,0 | 20 |
| 173.038-10 | G 3/8 | 10      | 64,0 | 39,0 | 20 |
| 173.038-12 | G 3/8 | 12      | 66,0 | 39,0 | 20 |



173.014-6

## Trójnik wtykowy typu „banjo” z gwintem zewnętrznym (teflon)

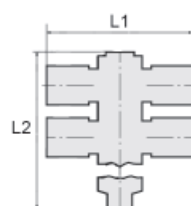
| kod        | Gwint | Pod wąż | L1 | L2   | SW |
|------------|-------|---------|----|------|----|
| 166.018-4  | R 1/8 | 4       | 45 | 29,0 | 14 |
| 166.018-6  | R 1/8 | 6       | 44 | 29,0 | 14 |
| 166.018-8  | R 1/8 | 8       | 50 | 29,0 | 14 |
| 166.014-6  | R 1/4 | 6       | 48 | 38,0 | 17 |
| 166.014-8  | R 1/4 | 8       | 54 | 38,0 | 17 |
| 166.014-10 | R 1/4 | 10      | 60 | 38,0 | 17 |
| 166.014-12 | R 1/4 | 12      | 62 | 38,0 | 17 |
| 166.038-8  | R 3/8 | 8       | 58 | 40,0 | 20 |
| 166.038-10 | R 3/8 | 10      | 64 | 40,0 | 20 |
| 166.038-12 | R 3/8 | 12      | 66 | 40,0 | 20 |



166.014-6

## Trójnik wtykowy podwójny typu „banjo” z gwintem zewnętrznym (o-ring)

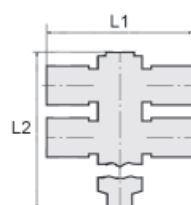
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 176.018-4  | G 1/8 | 4       | 45,0 | 44,0 | 14 |
| 176.018-6  | G 1/8 | 6       | 44,0 | 44,0 | 14 |
| 176.018-8  | G 1/8 | 8       | 50,0 | 44,0 | 14 |
| 176.014-6  | G 1/4 | 6       | 48,0 | 59,0 | 17 |
| 176.014-8  | G 1/4 | 8       | 54,0 | 59,0 | 17 |
| 176.014-10 | G 1/4 | 10      | 60,0 | 59,0 | 17 |
| 176.014-12 | G 1/4 | 12      | 62,0 | 59,0 | 17 |
| 176.038-8  | G 3/8 | 8       | 58,0 | 61,0 | 20 |
| 176.038-10 | G 3/8 | 10      | 64,0 | 61,0 | 20 |
| 176.038-12 | G 3/8 | 12      | 66,0 | 61,0 | 20 |



176.014-6

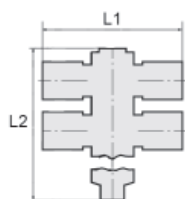
## Trójnik wtykowy podwójny typu „banjo” z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 174.018-4  | R 1/8 | 4       | 45,0 | 44,0 | 14 |
| 174.018-6  | R 1/8 | 6       | 44,0 | 44,0 | 14 |
| 174.018-8  | R 1/8 | 8       | 50,0 | 44,0 | 14 |
| 174.014-6  | R 1/4 | 6       | 48,0 | 59,0 | 17 |
| 174.014-8  | R 1/4 | 8       | 54,0 | 59,0 | 17 |
| 174.014-10 | R 1/4 | 10      | 60,0 | 59,0 | 17 |
| 174.014-12 | R 1/4 | 12      | 62,0 | 59,0 | 17 |
| 174.038-8  | R 3/8 | 8       | 58,0 | 61,0 | 20 |
| 174.038-10 | R 3/8 | 10      | 64,0 | 61,0 | 20 |
| 174.038-12 | R 3/8 | 12      | 66,0 | 61,0 | 20 |





177.014-6

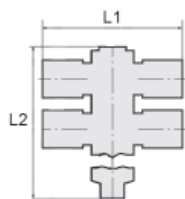


## Trójnik wtykowy potrójny typu „banjo” z gwintem zewnętrznym (o-ring)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 177.018-4  | G 1/8 | 4       | 45,0 | 59,0 | 14 |
| 177.018-6  | G 1/8 | 6       | 44,0 | 59,0 | 14 |
| 177.018-8  | G 1/8 | 8       | 50,0 | 59,0 | 14 |
| 177.014-6  | G 1/4 | 6       | 48,0 | 80,0 | 17 |
| 177.014-8  | G 1/4 | 8       | 54,0 | 80,0 | 17 |
| 177.014-10 | G 1/4 | 10      | 60,0 | 80,0 | 17 |
| 177.014-12 | G 1/4 | 12      | 62,0 | 80,0 | 17 |
| 177.038-8  | G 3/8 | 8       | 58,0 | 82,0 | 20 |
| 177.038-10 | G 3/8 | 10      | 64,0 | 82,0 | 20 |
| 177.038-12 | G 3/8 | 12      | 66,0 | 82,0 | 20 |



175.014-6

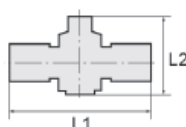


## Trójnik wtykowy potrójny typu „banjo” z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 175.018-4  | R 1/8 | 4       | 45,0 | 59,0 | 14 |
| 175.018-6  | R 1/8 | 6       | 44,0 | 59,0 | 14 |
| 175.018-8  | R 1/8 | 8       | 50,0 | 59,0 | 14 |
| 175.014-6  | R 1/4 | 6       | 48,0 | 80,0 | 17 |
| 175.014-8  | R 1/4 | 8       | 54,0 | 80,0 | 17 |
| 175.014-10 | R 1/4 | 10      | 60,0 | 80,0 | 17 |
| 175.014-12 | R 1/4 | 12      | 62,0 | 80,0 | 17 |
| 175.038-8  | R 3/8 | 8       | 58,0 | 83,0 | 20 |
| 175.038-10 | R 3/8 | 10      | 64,0 | 83,0 | 20 |
| 175.038-12 | R 3/8 | 12      | 66,0 | 83,0 | 20 |



181.0606

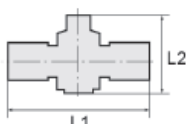


## Zawór dławiąco-zwrotny wtykowy

| Kod      | Gwint | Pod wąż | L1   | L2   | SW |
|----------|-------|---------|------|------|----|
| 181.0404 | -     | 4       | 40,0 | 26,0 | -  |
| 181.0606 | -     | 6       | 48,0 | 42,0 | -  |
| 181.0808 | -     | 8       | 53,0 | 46,0 | -  |
| 181.1010 | -     | 10      | 63,0 | 52,0 | -  |
| 181.1212 | -     | 12      | 74,0 | 55,0 | -  |



183.014-6

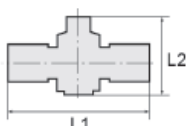


## Zawór dławiąco-zwrotny wtykowy z gwintem zewnętrznym (o-ring)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 183.018-4  | G 1/8 | 4       | 46,0 | 26,0 | 14 |
| 183.018-6  | G 1/8 | 6       | 54,0 | 42,0 | 14 |
| 183.018-8  | G 1/8 | 8       | 59,0 | 46,0 | 14 |
| 183.014-6  | G 1/4 | 6       | 57,0 | 42,0 | 17 |
| 183.014-8  | G 1/4 | 8       | 61,0 | 46,0 | 17 |
| 183.014-10 | G 1/4 | 10      | 72,0 | 52,0 | 17 |
| 183.014-12 | G 1/4 | 12      | 83,0 | 55,0 | 17 |
| 183.038-8  | G 3/8 | 8       | 63,0 | 46,0 | 20 |
| 183.038-10 | G 3/8 | 10      | 73,0 | 52,0 | 20 |
| 183.038-12 | G 3/8 | 12      | 84,0 | 55,0 | 17 |
| 183.012-10 | G 1/2 | 10      | 76,0 | 52,0 | 24 |
| 183.012-12 | G 1/2 | 12      | 87,0 | 55,0 | 24 |



182.014-6

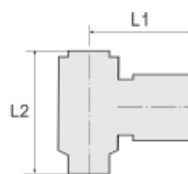


## Zawór dławiąco-zwrotny wtykowy z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 182.018-4  | R 1/8 | 4       | 46,0 | 26,0 | 10 |
| 182.018-6  | R 1/8 | 6       | 54,0 | 42,0 | 12 |
| 182.018-8  | R 1/8 | 8       | 59,0 | 46,0 | 14 |
| 182.014-6  | R 1/4 | 6       | 57,0 | 42,0 | 14 |
| 182.014-8  | R 1/4 | 8       | 61,0 | 46,0 | 14 |
| 182.014-10 | R 1/4 | 10      | 72,0 | 52,0 | 17 |
| 182.014-12 | R 1/4 | 12      | 83,0 | 55,0 | 21 |
| 182.038-8  | R 3/8 | 8       | 63,0 | 46,0 | 17 |
| 182.038-10 | R 3/8 | 10      | 73,0 | 52,0 | 17 |
| 182.038-12 | R 3/8 | 12      | 84,0 | 55,0 | 21 |
| 182.012-10 | R 1/2 | 10      | 76,0 | 52,0 | 17 |
| 182.012-12 | R 1/2 | 12      | 87,0 | 55,0 | 21 |

## Zawór dławiąco-zwrotny kątowy wtykowy do zaworów (o-ring)

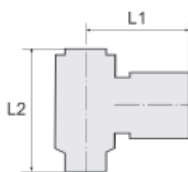
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 187.018-4  | G 1/8 | 4       | 41,0 | 22,0 | -  |
| 187.018-6  | G 1/8 | 6       | 41,0 | 23,0 | -  |
| 187.018-8  | G 1/8 | 8       | 41,0 | 26,0 | -  |
| 187.014-6  | G 1/4 | 6       | 49,0 | 25,0 | -  |
| 187.014-8  | G 1/4 | 8       | 49,0 | 29,0 | -  |
| 187.014-10 | G 1/4 | 10      | 49,0 | 32,0 | -  |
| 187.014-12 | G 1/4 | 12      | 49,0 | 34,0 | -  |
| 187.038-8  | G 3/8 | 8       | 55,0 | 30,0 | -  |
| 187.038-10 | G 3/8 | 10      | 55,0 | 33,0 | -  |
| 187.038-12 | G 3/8 | 12      | 55,0 | 36,0 | -  |
| 187.012-8  | G 1/2 | 8       | 60,0 | 33,0 | -  |
| 187.012-10 | G 1/2 | 10      | 60,0 | 36,0 | -  |
| 187.012-12 | G 1/2 | 12      | 60,0 | 37,0 | -  |



187.014-6

## Zawór dławiąco-zwrotny kątowy wtykowy do zaworów (teflon)

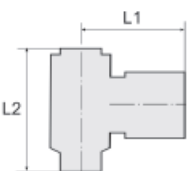
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 185.018-4  | R 1/8 | 4       | 39,0 | 22,0 | -  |
| 185.018-6  | R 1/8 | 6       | 39,0 | 23,0 | -  |
| 185.018-8  | R 1/8 | 8       | 39,0 | 26,0 | -  |
| 185.014-6  | R 1/4 | 6       | 47,0 | 25,0 | -  |
| 185.014-8  | R 1/4 | 8       | 47,0 | 29,0 | -  |
| 185.014-10 | R 1/4 | 10      | 47,0 | 32,0 | -  |
| 185.014-12 | R 1/4 | 12      | 47,0 | 34,0 | -  |
| 185.038-8  | R 3/8 | 8       | 52,0 | 30,0 | -  |
| 185.038-10 | R 3/8 | 10      | 52,0 | 33,0 | -  |
| 185.038-12 | R 3/8 | 12      | 52,0 | 36,0 | -  |
| 185.012-8  | R 1/2 | 8       | 57,0 | 33,0 | -  |
| 185.012-10 | R 1/2 | 10      | 57,0 | 36,0 | -  |
| 185.012-12 | R 1/2 | 12      | 57,0 | 37,0 | -  |



185.014-6

## Zawór dławiąco-zwrotny kątowy wtykowy do siłowników (o-ring)

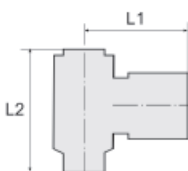
| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 188.018-4  | G 1/8 | 4       | 41,0 | 22,0 | -  |
| 188.018-6  | G 1/8 | 6       | 41,0 | 23,0 | -  |
| 188.018-8  | G 1/8 | 8       | 41,0 | 26,0 | -  |
| 188.014-6  | G 1/4 | 6       | 49,0 | 25,0 | -  |
| 188.014-8  | G 1/4 | 8       | 49,0 | 29,0 | -  |
| 188.014-10 | G 1/4 | 10      | 49,0 | 32,0 | -  |
| 188.014-12 | G 1/4 | 12      | 49,0 | 34,0 | -  |
| 188.038-8  | G 3/8 | 8       | 55,0 | 30,0 | -  |
| 188.038-10 | G 3/8 | 10      | 55,0 | 33,0 | -  |
| 188.038-12 | G 3/8 | 12      | 55,0 | 36,0 | -  |
| 188.012-8  | G 1/2 | 8       | 60,0 | 33,0 | -  |
| 188.012-10 | G 1/2 | 10      | 60,0 | 36,0 | -  |
| 188.012-12 | G 1/2 | 12      | 60,0 | 37,0 | -  |



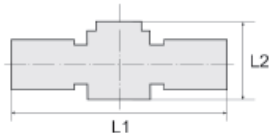
188.014-6

## Zawór dławiąco-zwrotny kątowy wtykowy do siłowników (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 186.018-4  | R 1/8 | 4       | 39,0 | 22,0 | -  |
| 186.018-6  | R 1/8 | 6       | 39,0 | 23,0 | -  |
| 186.018-8  | R 1/8 | 8       | 39,0 | 26,0 | -  |
| 186.014-6  | R 1/4 | 6       | 47,0 | 25,0 | -  |
| 186.014-8  | R 1/4 | 8       | 47,0 | 29,0 | -  |
| 186.014-10 | R 1/4 | 10      | 47,0 | 32,0 | -  |
| 186.014-12 | R 1/4 | 12      | 47,0 | 34,0 | -  |
| 186.038-8  | R 3/8 | 8       | 52,0 | 30,0 | -  |
| 186.038-10 | R 3/8 | 10      | 52,0 | 33,0 | -  |
| 186.038-12 | R 3/8 | 12      | 52,0 | 36,0 | -  |
| 186.012-8  | R 1/2 | 8       | 57,0 | 33,0 | -  |
| 186.012-10 | R 1/2 | 10      | 57,0 | 36,0 | -  |
| 186.012-12 | R 1/2 | 12      | 57,0 | 37,0 | -  |



186.014-6



190.006



193.014-6



192.014-6



194.1414



191.1414

## Zawór odcinający wtykowy

| Kod     | Gwint | Pod wąż | L1   | L2   | SW |
|---------|-------|---------|------|------|----|
| 190.006 | -     | 6       | 52,0 | 42,0 | -  |
| 190.008 | -     | 8       | 52,0 | 42,0 | -  |
| 190.010 | -     | 10      | 64,0 | 46,0 | -  |
| 190.012 | -     | 12      | 65,0 | 46,0 | -  |

## Zawór odcinający wtykowy z gwintem zewnętrznym (o-ring)

| kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 193.018-6  | G 1/8 | 6       | 58,0 | 42,0 | 14 |
| 193.018-8  | G 1/8 | 8       | 59,0 | 42,0 | 14 |
| 193.014-6  | G 1/4 | 6       | 61,0 | 42,0 | 17 |
| 193.014-8  | G 1/4 | 8       | 61,0 | 42,0 | 17 |
| 193.014-10 | G 1/4 | 10      | 73,0 | 46,0 | 17 |
| 193.014-12 | G 1/4 | 12      | 73,0 | 46,0 | 21 |
| 193.038-8  | G 3/8 | 8       | 63,0 | 42,0 | 20 |
| 193.038-10 | G 3/8 | 10      | 74,0 | 46,0 | 20 |
| 193.038-12 | G 3/8 | 12      | 75,0 | 46,0 | 21 |
| 193.012-10 | G 1/2 | 10      | 77,0 | 46,0 | 24 |
| 193.012-12 | G 1/2 | 12      | 78,0 | 46,0 | 24 |

## Zawór odcinający wtykowy z gwintem zewnętrznym (teflon)

| Kod        | Gwint | Pod wąż | L1   | L2   | SW |
|------------|-------|---------|------|------|----|
| 192.018-6  | R 1/8 | 6       | 58,0 | 42,0 | 12 |
| 192.018-8  | R 1/8 | 8       | 59,0 | 42,0 | 14 |
| 192.014-6  | R 1/4 | 6       | 61,0 | 42,0 | 14 |
| 192.014-8  | R 1/4 | 8       | 61,0 | 42,0 | 14 |
| 192.014-10 | R 1/4 | 10      | 73,0 | 46,0 | 17 |
| 192.014-12 | R 1/4 | 12      | 74,0 | 46,0 | 21 |
| 192.038-8  | R 3/8 | 8       | 63,0 | 42,0 | 17 |
| 192.038-10 | R 3/8 | 10      | 74,0 | 46,0 | 17 |
| 192.038-12 | R 3/8 | 12      | 75,0 | 46,0 | 21 |
| 192.012-10 | R 1/2 | 10      | 77,0 | 46,0 | 21 |
| 192.012-12 | R 1/2 | 12      | 78,0 | 46,0 | 21 |

## Zawór odcinający z gwintami zewnętrznymi (o-ring)

| Kod      | Gwint | Gwint 2 | L1   | L2   | SW    |
|----------|-------|---------|------|------|-------|
| 194.1818 | G 1/8 | G 1/8   | 66,0 | 42,0 | 14/14 |
| 194.1418 | G 1/4 | G 1/8   | 69,0 | 42,0 | 17/14 |
| 194.1414 | G 1/4 | G 1/4   | 71,0 | 42,0 | 17/17 |
| 194.3814 | G 3/8 | G 1/4   | 83,0 | 46,0 | 17/17 |
| 194.3838 | G 3/8 | G 3/8   | 83,0 | 46,0 | 17/17 |
| 194.1238 | G 1/2 | G 3/8   | 83,0 | 46,0 | 21/21 |
| 194.1212 | G 1/2 | G 1/2   | 92,0 | 46,0 | 21/21 |

## Zawór odcinający z gwintami zewnętrznymi (teflon)

| Kod      | Gwint | Gwint 2 | L1   | L2   | SW    |
|----------|-------|---------|------|------|-------|
| 191.1818 | R 1/8 | R 1/8   | 65,0 | 42,0 | 14/14 |
| 191.1418 | R 1/4 | R 1/8   | 68,0 | 42,0 | 17/14 |
| 191.1414 | R 1/4 | R 1/4   | 71,0 | 42,0 | 17/17 |
| 191.3814 | R 3/8 | R 1/4   | 83,0 | 46,0 | 17/17 |
| 191.3838 | R 3/8 | R 3/8   | 83,0 | 46,0 | 17/17 |
| 191.1238 | R 1/2 | R 3/8   | 91,0 | 46,0 | 21/21 |
| 191.1212 | R 1/2 | R 1/2   | 85,0 | 46,0 | 21/21 |

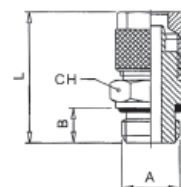
## Złącza skręcane serii 1000

### 1020 – Złączka prosta skręcana z gwintem zewnętrznym



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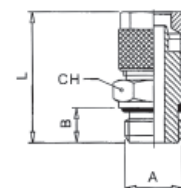
| Wąż     |   | A   | B  | L    | CH |
|---------|---|-----|----|------|----|
| 4/2,7   | - | 1/8 | 6  | 22,5 | 13 |
| 5/3     | - | 1/8 | 6  | 25,1 | 13 |
| 6/4     | - | 1/8 | 6  | 25,1 | 13 |
| 6/4     | - | 1/4 | 8  | 28,1 | 16 |
| 6/4     | - | 3/8 | 9  | 29,1 | 19 |
| 6/4     | - | 1/2 | 10 | 32,0 | 24 |
| 8/6     | - | 1/8 | 6  | 26,4 | 14 |
| 8/6     | - | 1/4 | 8  | 29,4 | 16 |
| 8/6     | - | 3/8 | 9  | 30,4 | 19 |
| 8/6     | - | 1/2 | 10 | 32,0 | 24 |
| 10/8    | - | 1/8 | 6  | 28,5 | 14 |
| 10/8    | - | 1/4 | 8  | 31,5 | 16 |
| 10/8    | - | 3/8 | 9  | 32,5 | 19 |
| 10/8    | - | 1/2 | 10 | 34,5 | 24 |
| 12/10   | - | 3/8 | 9  | 34,0 | 19 |
| 12/10   | - | 1/2 | 10 | 36,0 | 24 |
| 15/12,5 | - | 1/2 | 10 | 38,0 | 24 |



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### 1021 – Złączka prosta skręcana z gwintem wewnętrznym

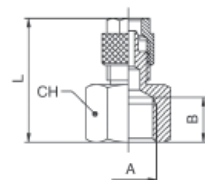
| Wąż   |   | A        | B | L    | CH |
|-------|---|----------|---|------|----|
| 4/2,7 | - | M5       | 4 | 20,5 | 8  |
| 4/2,7 | - | M6       | 5 | 20,5 | 8  |
| 5/3   | - | M5       | 4 | 23,1 | 8  |
| 5/3   | - | M6       | 5 | 23,1 | 8  |
| 6/4   | - | M5       | 4 | 23,1 | 8  |
| 6/4   | - | M6       | 5 | 23,1 | 8  |
| 6/4   | - | M12x1    | 8 | 28,1 | 15 |
| 6/4   | - | M12x1,25 | 8 | 28,1 | 15 |
| 6/4   | - | M12x1,25 | 8 | 28,1 | 15 |



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### 1030 – Złączka prosta skręcana z gwintem wewnętrznym

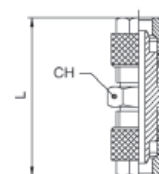
| Wąż   |   | A   | B    | L    | CH |
|-------|---|-----|------|------|----|
| 6/4   | - | 1/8 | 8,5  | 23,3 | 14 |
| 6/4   | - | 1/4 | 11,0 | 27,0 | 17 |
| 6/4   | - | 3/8 | 11,5 | 28,0 | 22 |
| 8/6   | - | 1/8 | 8,0  | 24,7 | 14 |
| 8/6   | - | 1/4 | 11,0 | 28,7 | 17 |
| 8/6   | - | 3/8 | 11,5 | 29,2 | 22 |
| 8/6   | - | 1/2 | 15,5 | 33,0 | 24 |
| 10/8  | - | 1/4 | 11,0 | 30,5 | 17 |
| 10/8  | - | 3/8 | 11,5 | 33,3 | 22 |
| 10/8  | - | 1/2 | 15,5 | 34,5 | 24 |
| 12/10 | - | 3/8 | 11,5 | 31,0 | 22 |



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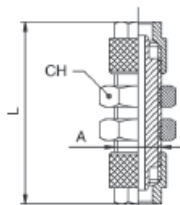
### 1040 – Złączka prosta przelotowa skręcana

| Wąż     |   | L    | CH |
|---------|---|------|----|
| 4/2,7   |   | 27,5 | 8  |
| 5/3     |   | 31,7 | 8  |
| 6/4     | - | 32,2 | 12 |
| 6/4     |   | 32,2 | 12 |
| 8/6     | - | 33,5 | 12 |
| 8/6     |   | 34,8 | 12 |
| 10/8    | - | 35,6 | 14 |
| 10/8    | - | 36,9 | 14 |
| 10/8    |   | 39,0 | 14 |
| 12/10   |   | 43,0 | 17 |
| 15/12,5 |   | 47,0 | 22 |



## 1050 – Złączka prosta skręcana grodziowa

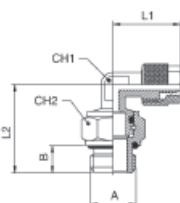
| Wąż      | A         | L    | CH |
|----------|-----------|------|----|
| 4/2,7    | - M6x0,5  | 35,0 | 10 |
| 5/3      | - M7x0,75 | 35,0 | 10 |
| 6/4x5/3  | - M10x1   | 45,5 | 14 |
| 6/4      | - M10x1   | 45,5 | 14 |
| 8/6x6/4  | - M12x1   | 47,3 | 17 |
| 8/6      | - M12x1   | 48,4 | 17 |
| 10/8x6/4 | - M14x1   | 49,8 | 17 |
| 10/8x8/6 | - M14x1   | 51,2 | 17 |
| 10/8     | - M14x1   | 54,0 | 17 |
| 12/10    | - M16x1   | 57,0 | 19 |
| 15/12,5  | - M20x1   | 59,0 | 24 |



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## 1115 – Złączka kątowa obrotowa skręcana z gwintem zewnętrznym

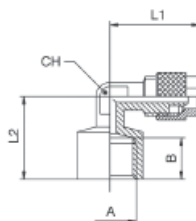
| Wąż   | A     | B | L1   | L2   | CH1 | CH2 |
|-------|-------|---|------|------|-----|-----|
| 4/2,7 | - 1/8 | 6 | 18,5 | 22,0 | 8   | 13  |
| 6/4   | - 1/8 | 6 | 20,6 | 22,0 | 8   | 13  |
| 6/4   | - 1/4 | 8 | 20,6 | 26,0 | 8   | 16  |
| 8/6   | - 1/8 | 6 | 21,6 | 22,0 | 9   | 13  |
| 8/6   | - 1/4 | 8 | 23,1 | 26,5 | 9   | 16  |
| 10/8  | - 1/4 | 8 | 24,0 | 27,5 | 11  | 16  |



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## 1120 – Złączka kątowa skręcana z gwintem wewnętrznym

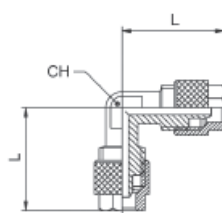
| Wąż  | A     | B    | L1   | L2   | CH |
|------|-------|------|------|------|----|
| 5/3  | - 1/8 | 8,5  | 20,6 | 18,0 | 8  |
| 6/4  | - 1/8 | 8,5  | 20,6 | 18,0 | 8  |
| 6/4  | - 1/4 | 10,5 | 21,0 | 21,0 | 9  |
| 8/6  | - 1/8 | 8,5  | 21,9 | 19,0 | 9  |
| 8/6  | - 1/4 | 10,5 | 23,4 | 21,0 | 9  |
| 10/8 | - 1/4 | 10,5 | 25,5 | 22,5 | 11 |
| 10/8 | - 3/8 | 11,5 | 25,5 | 27,0 | 16 |



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## 1130 – Kolanko skręcane

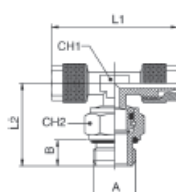
| Wąż     |       | L    | CH |
|---------|-------|------|----|
| 4/2,7   |       | 20,0 | 8  |
| 5/3     |       | 20,6 | 8  |
| 6/4     |       | 20,6 | 8  |
| 8/6     | - 6/4 | 21,9 | 9  |
| 8/6     |       | 21,9 | 9  |
| 10/8    |       | 25,5 | 11 |
| 12/10   |       | 27,0 | 13 |
| 15/12,5 |       | 33,5 | 16 |



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## 1215 – Trójkąt skręcany obrotowy z gwintem zewnętrznym

| Wąż  | A     | B | L1   | L2   | CH1 | CH2 |
|------|-------|---|------|------|-----|-----|
| 6/4  | - 1/8 | 6 | 41,2 | 22,0 | 8   | 13  |
| 6/4  | - 1/4 | 8 | 41,2 | 26,0 | 8   | 16  |
| 8/6  | - 1/8 | 6 | 43,2 | 24,0 | 9   | 13  |
| 8/6  | - 1/4 | 8 | 43,2 | 27,5 | 9   | 16  |
| 10/8 | - 1/4 | 8 | 48,0 | 27,5 | 11  | 16  |

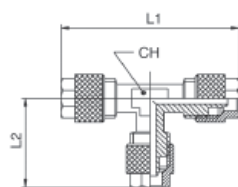


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## 1230 – Trójnik skręcany

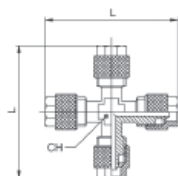


| Wąż     | A     | L1   | L2   | CH |
|---------|-------|------|------|----|
| 4/2,7   |       | 38,5 | 19,5 | 8  |
| 5/3     |       | 41,2 | 20,6 | 8  |
| 6/4     |       | 41,2 | 20,6 | 8  |
| 8/6     | - 6/4 | 43,8 | 20,6 | 9  |
| 8/6     |       | 43,8 | 21,9 | 9  |
| 10/8    | - 6/4 | 51,0 | 20,6 | 11 |
| 10/8    | - 8/6 | 51,0 | 21,9 | 11 |
| 10/8    |       | 51,0 | 25,5 | 11 |
| 12/10   |       | 54,0 | 28,0 | 13 |
| 15/12,5 |       | 63,0 | 32,5 | 16 |



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## 1300 – Czwórnik skręcany

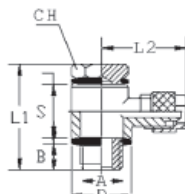


| Wąż     | L      | CH |
|---------|--------|----|
| 5/3     | - 41,6 | 8  |
| 6/4     | - 41,6 | 8  |
| 8/6     | - 44,4 | 9  |
| 10/8    | - 51,0 | 11 |
| 12/10   | - 58,0 | 13 |
| 15/12,5 | - 64,0 | 17 |



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## 1551 –

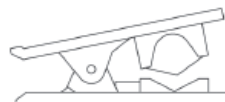


| Wąż     | A     | B    | L1   | L2   | D    | CH |
|---------|-------|------|------|------|------|----|
| 4/2,7   | - M5  | 4,0  | 22,0 | 21,5 | 9,0  | 8  |
| 4/2,7   | - M6  | 5,0  | 23,0 | 21,5 | 9,0  | 8  |
| 4/2,7   | - 1/8 | 6,0  | 28,0 | 23,5 | 14,0 | 14 |
| 5/3     | - M5  | 4,0  | 22,0 | 21,5 | 9,0  | 8  |
| 5/3     | - 1/8 | 6,0  | 28,0 | 23,5 | 14,0 | 14 |
| 6/4     | - M5  | 4,0  | 22,0 | 21,5 | 9,0  | 8  |
| 6/4     | - M6  | 5,0  | 23,0 | 21,5 | 9,0  | 8  |
| 6/4     | - 1/8 | 6,0  | 28,0 | 23,3 | 14,0 | 14 |
| 6/4     | - 1/4 | 8,0  | 32,0 | 25,3 | 18,0 | 17 |
| 6/4     | - 3/8 | 9,0  | 36,0 | 26,8 | 21,0 | 19 |
| 8/6     | - 1/8 | 6,0  | 28,0 | 24,7 | 14,0 | 14 |
| 8/6     | - 1/4 | 8,0  | 32,0 | 27,6 | 18,0 | 17 |
| 8/6     | - 3/8 | 9,0  | 36,0 | 27,7 | 21,0 | 19 |
| 8/6     | - 1/2 | 10,0 | 42,0 | 31,2 | 26,0 | 24 |
| 10/8    | - 1/8 | 6,0  | 28,0 | 27,5 | 14,0 | 14 |
| 10/8    | - 1/4 | 8,0  | 32,0 | 29,5 | 18,0 | 17 |
| 10/8    | - 3/8 | 9,0  | 36,0 | 30,5 | 21,0 | 19 |
| 10/8    | - 1/2 | 10,0 | 42,0 | 34,0 | 26,0 | 24 |
| 12/10   | - 3/8 | 9,0  | 36,0 | 31,5 | 21,0 | 19 |
| 12/10   | - 1/2 | 10,0 | 42,0 | 35,0 | 26,0 | 24 |
| 15/12,5 | - 1/2 | 10,0 | 42,0 | 36,5 | 26,0 | 24 |

## 1750 – Obcinaczka do przewodów

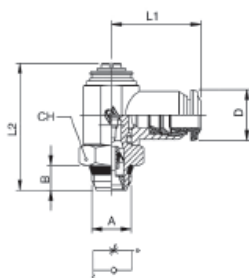


1750



## Zawory dławiące i dławiąco-zwrotne

### 50901 - Zawór dławiąco-zwrotny wtykowy z regulacją pod śrubokręt do siłowników

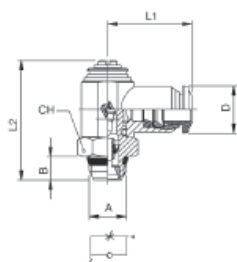


| Średnica rurki | A   | B   | L1   | L2   | CH | D    |
|----------------|-----|-----|------|------|----|------|
| 3              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | 1/8 | 5,5 | 21,0 | 31,0 | 14 | 10,0 |
| 5              | M5  | 4,0 | 20,0 | 29,5 | 8  | 12,5 |
| 5              | 1/8 | 5,5 | 21,5 | 31,0 | 14 | 12,5 |
| 5              | 1/4 | 7,0 | 24,5 | 36,5 | 17 | 12,5 |
| 6              | M5  | 4,0 | 20,5 | 29,5 | 8  | 12,5 |
| 6              | 1/8 | 5,5 | 22,5 | 31,0 | 14 | 12,5 |
| 6              | 1/4 | 7,0 | 25,0 | 36,5 | 17 | 12,5 |
| 8              | 1/8 | 5,5 | 24,0 | 31,0 | 14 | 14,0 |
| 8              | 1/4 | 7,0 | 26,0 | 36,5 | 17 | 14,0 |
| 8              | 3/8 | 7,5 | 28,5 | 42,5 | 20 | 14,0 |
| 10             | 1/4 | 7,0 | 28,5 | 36,5 | 17 | 17,0 |
| 10             | 3/8 | 7,5 | 30,5 | 42,5 | 20 | 17,0 |
| 12             | 3/8 | 7,5 | 32,5 | 42,5 | 20 | 21,5 |
| 12             | 1/2 | 9,0 | 35,0 | 47,0 | 24 | 21,5 |
| 14             | 1/2 | 9,0 | 35,5 | 47,0 | 24 | 21,5 |



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### 50910 - Zawór dławiąco-zwrotny wtykowy z regulacją pod śrubokręt do zaworów

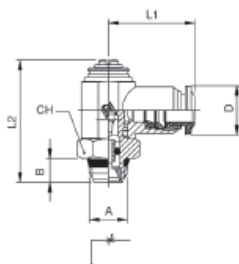


| Średnica rurki | A   | B   | L1   | L2   | CH | D    |
|----------------|-----|-----|------|------|----|------|
| 3              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | 1/8 | 5,5 | 21,0 | 31,0 | 14 | 10,0 |
| 5              | M5  | 4,0 | 20,0 | 29,5 | 8  | 12,5 |
| 5              | 1/8 | 5,5 | 21,5 | 31,0 | 14 | 12,5 |
| 5              | 1/4 | 7,0 | 24,5 | 36,5 | 17 | 12,5 |
| 6              | M5  | 4,0 | 20,5 | 29,5 | 8  | 12,5 |
| 6              | 1/8 | 5,5 | 22,5 | 31,0 | 14 | 12,5 |
| 6              | 1/4 | 7,0 | 25,0 | 36,5 | 17 | 12,5 |
| 8              | 1/8 | 5,5 | 24,0 | 31,0 | 14 | 14,0 |
| 8              | 1/4 | 7,0 | 26,0 | 36,5 | 17 | 14,0 |
| 8              | 3/8 | 7,5 | 28,5 | 42,5 | 20 | 14,0 |
| 10             | 1/4 | 7,0 | 28,5 | 36,5 | 17 | 17,0 |
| 10             | 3/8 | 7,5 | 30,5 | 42,5 | 20 | 17,0 |
| 12             | 3/8 | 7,5 | 32,5 | 42,5 | 20 | 21,5 |
| 12             | 1/2 | 9,0 | 35,0 | 47,0 | 24 | 21,5 |
| 14             | 1/2 | 9,0 | 35,5 | 47,0 | 24 | 21,5 |



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### 50920 - Zawór dławiący wtykowy z regulacją pod śrubokręt



| Średnica rurki | A   | B   | L1   | L2   | CH | D    |
|----------------|-----|-----|------|------|----|------|
| 3              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | M5  | 4,0 | 19,0 | 29,5 | 8  | 10,0 |
| 4              | 1/8 | 5,5 | 21,0 | 31,0 | 14 | 10,0 |
| 5              | M5  | 4,0 | 20,0 | 29,5 | 8  | 12,5 |
| 5              | 1/8 | 5,5 | 21,5 | 31,0 | 14 | 12,5 |
| 5              | 1/4 | 7,0 | 24,5 | 36,5 | 17 | 12,5 |
| 6              | M5  | 4,0 | 20,5 | 29,5 | 8  | 12,5 |
| 6              | 1/8 | 5,5 | 22,5 | 31,0 | 14 | 12,5 |
| 6              | 1/4 | 7,0 | 25,0 | 36,5 | 17 | 12,5 |
| 8              | 1/8 | 5,5 | 24,0 | 31,0 | 14 | 14,0 |
| 8              | 1/4 | 7,0 | 26,0 | 36,5 | 17 | 14,0 |
| 8              | 3/8 | 7,5 | 28,5 | 42,5 | 20 | 14,0 |
| 10             | 1/4 | 7,0 | 28,5 | 36,5 | 17 | 17,0 |
| 10             | 3/8 | 7,5 | 30,5 | 42,5 | 20 | 17,0 |
| 12             | 3/8 | 7,5 | 32,5 | 42,5 | 20 | 21,5 |
| 12             | 1/2 | 9,0 | 35,0 | 47,0 | 24 | 21,5 |
| 14             | 1/2 | 9,0 | 35,5 | 47,0 | 24 | 21,5 |

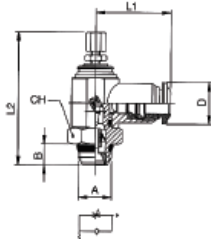


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## 50905 – Zawór dławiąco-zwrotny wtykowy z regulacją ręczną do siłowników



50905 6 - 1/8

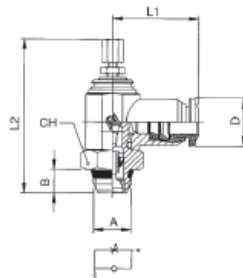


| Wąż | A     | B   | L1   | L2min | L2max | CH | D    |
|-----|-------|-----|------|-------|-------|----|------|
| 3   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - 1/8 | 5,5 | 21,0 | 44,0  | 49,0  | 14 | 10,0 |
| 5   | - M5  | 4,0 | 20,0 | 38,5  | 42,5  | 8  | 12,5 |
| 5   | - 1/8 | 5,5 | 21,5 | 44,0  | 49,0  | 14 | 12,5 |
| 5   | - 1/4 | 7,0 | 24,5 | 48,5  | 55,0  | 17 | 12,5 |
| 6   | - M5  | 4,0 | 20,5 | 38,5  | 42,5  | 8  | 12,5 |
| 6   | - 1/8 | 5,5 | 22,5 | 44,0  | 49,0  | 14 | 12,5 |
| 6   | - 1/4 | 7,0 | 25,0 | 48,5  | 55,0  | 17 | 12,5 |
| 8   | - 1/8 | 5,5 | 24,0 | 44,0  | 49,0  | 14 | 14,0 |
| 8   | - 1/4 | 7,0 | 26,0 | 48,5  | 55,0  | 17 | 14,0 |
| 8   | - 3/8 | 7,5 | 28,5 | 56,0  | 65,0  | 20 | 14,0 |
| 10  | - 1/4 | 7,0 | 28,5 | 48,5  | 55,0  | 17 | 17,0 |
| 10  | - 3/8 | 7,5 | 30,5 | 56,0  | 65,0  | 20 | 17,0 |
| 12  | - 3/8 | 7,5 | 32,5 | 56,0  | 65,0  | 20 | 21,5 |
| 12  | - 1/2 | 9,0 | 35,0 | 61,0  | 69,0  | 24 | 21,5 |
| 14  | - 1/2 | 9,0 | 35,5 | 61,0  | 69,0  | 24 | 21,5 |

## 50915 – Zawór dławiąco-zwrotny wtykowy z regulacją ręczną do zaworów



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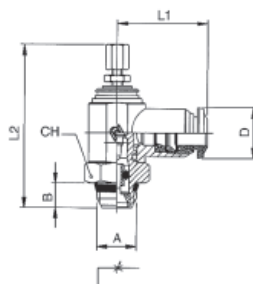


| Wąż | A     | B   | L1   | L2min | L2max | CH | D    |
|-----|-------|-----|------|-------|-------|----|------|
| 3   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - 1/8 | 5,5 | 21,0 | 44,0  | 49,0  | 14 | 10,0 |
| 5   | - M5  | 4,0 | 20,0 | 38,5  | 42,5  | 8  | 12,5 |
| 5   | - 1/8 | 5,5 | 21,5 | 44,0  | 49,0  | 14 | 12,5 |
| 5   | - 1/4 | 7,0 | 24,5 | 48,5  | 55,0  | 17 | 12,5 |
| 6   | - M5  | 4,0 | 20,5 | 38,5  | 42,5  | 8  | 12,5 |
| 6   | - 1/8 | 5,5 | 22,5 | 44,0  | 49,0  | 14 | 12,5 |
| 6   | - 1/4 | 7,0 | 25,0 | 48,5  | 55,0  | 17 | 12,5 |
| 8   | - 1/8 | 5,5 | 24,0 | 44,0  | 49,0  | 14 | 14,0 |
| 8   | - 1/4 | 7,0 | 26,0 | 48,5  | 55,0  | 17 | 14,0 |
| 8   | - 3/8 | 7,5 | 28,5 | 56,0  | 65,0  | 20 | 14,0 |
| 10  | - 1/4 | 7,0 | 28,5 | 48,5  | 55,0  | 17 | 17,0 |
| 10  | - 3/8 | 7,5 | 30,5 | 56,0  | 65,0  | 20 | 17,0 |
| 12  | - 3/8 | 7,5 | 32,5 | 56,0  | 65,0  | 20 | 21,5 |
| 12  | - 1/2 | 9,0 | 35,0 | 61,0  | 69,0  | 24 | 21,5 |
| 14  | - 1/2 | 9,0 | 35,5 | 61,0  | 69,0  | 24 | 21,5 |

## 50925 – Zawór dławiący wtykowy z regulacją ręczną



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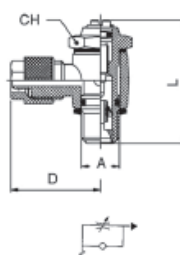


| Wąż | A     | B   | L1   | L2min | L2max | CH | D    |
|-----|-------|-----|------|-------|-------|----|------|
| 3   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - M5  | 4,0 | 19,0 | 38,5  | 42,5  | 8  | 10,0 |
| 4   | - 1/8 | 5,5 | 21,0 | 44,0  | 49,0  | 14 | 10,0 |
| 5   | - M5  | 4,0 | 20,0 | 38,5  | 42,5  | 8  | 12,5 |
| 5   | - 1/8 | 5,5 | 21,5 | 44,0  | 49,0  | 14 | 12,5 |
| 5   | - 1/4 | 7,0 | 24,5 | 48,5  | 55,0  | 17 | 12,5 |
| 6   | - M5  | 4,0 | 20,5 | 38,5  | 42,5  | 8  | 12,5 |
| 6   | - 1/8 | 5,5 | 22,5 | 44,0  | 49,0  | 14 | 12,5 |
| 6   | - 1/4 | 7,0 | 25,0 | 48,5  | 55,0  | 17 | 12,5 |
| 8   | - 1/8 | 5,5 | 24,0 | 44,0  | 49,0  | 14 | 14,0 |
| 8   | - 1/4 | 7,0 | 26,0 | 48,5  | 55,0  | 17 | 14,0 |
| 8   | - 3/8 | 7,5 | 28,5 | 56,0  | 65,0  | 20 | 14,0 |
| 10  | - 1/4 | 7,0 | 28,5 | 48,5  | 55,0  | 17 | 17,0 |
| 10  | - 3/8 | 7,5 | 30,5 | 56,0  | 65,0  | 20 | 17,0 |
| 12  | - 3/8 | 7,5 | 32,5 | 56,0  | 65,0  | 20 | 21,5 |
| 12  | - 1/2 | 9,0 | 35,0 | 62,0  | 69,0  | 24 | 21,5 |
| 14  | - 1/2 | 9,0 | 35,5 | 62,0  | 69,0  | 24 | 21,5 |

## Zawory dławiąco-zwrotne

**8950 - Zawór dławiąco-zwrotny skręcany z regulacją pod śrubokręt do siłowników**

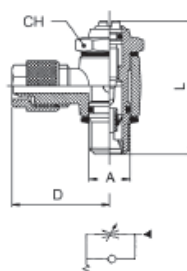
| Wąż     |   | A   | D    | L    | CH |
|---------|---|-----|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 24,0 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | M5  | 21.5 | 24,0 | 8  |
| 6/4     | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 35.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 30.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 35.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 41,0 | 20 |
| 10/8    | - | 1/4 | 29.5 | 35.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 41,0 | 20 |
| 12/10   | - | 3/8 | 31.5 | 41,0 | 20 |
| 12/10   | - | 1/2 | 35,0 | 47,0 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 47,0 | 24 |



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**8960 - Zawór dławiąco-zwrotny skręcany z regulacją pod śrubokręt do zaworów**

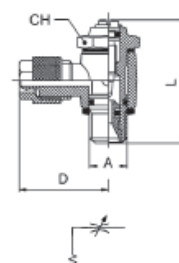
| Wąż     |   | A   | D    | L    | CH |
|---------|---|-----|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 24,0 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | M5  | 21.5 | 24,0 | 8  |
| 6/4     | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 35.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 30.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 35.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 41,0 | 20 |
| 10/8    | - | 1/4 | 29.5 | 35.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 41,0 | 20 |
| 12/10   | - | 3/8 | 31.5 | 41,0 | 20 |
| 12/10   | - | 1/2 | 35,0 | 47,0 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 47,0 | 24 |



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**8970 - Zawór dławiący skręcany z regulacją pod śrubokręt**

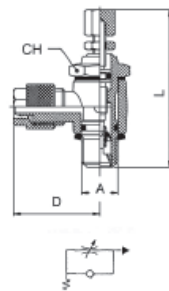
| Wąż     |   | A   | D    | L    | CH |
|---------|---|-----|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 24,0 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | M5  | 21.5 | 24,0 | 8  |
| 6/4     | - | 1/8 | 23.3 | 30.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 35.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 30.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 35.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 41,0 | 20 |
| 10/8    | - | 1/4 | 29.5 | 35.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 41,0 | 20 |
| 12/10   | - | 3/8 | 31.5 | 41,0 | 20 |
| 12/10   | - | 1/2 | 35,0 | 47,0 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 47,0 | 24 |



8970 6/4 - 1/8



8955 6/4 - 1/8

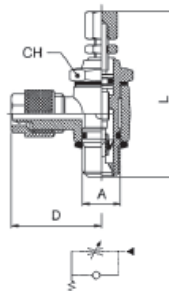


## 8955 - Zawór dławiąco-zwrotny skręcany z regulacją ręczną do siłowników

| Wąż     |   | A   | D    | Lmin | Lmax | CH |
|---------|---|-----|------|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 6/4     | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 46.5 | 52.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 41,0 | 46.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 46.5 | 52.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 56.5 | 63.5 | 20 |
| 10/8    | - | 1/4 | 29.5 | 46.5 | 52.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 56.5 | 63.5 | 20 |
| 12/10   | - | 3/8 | 31.5 | 56.6 | 63.5 | 20 |
| 12/10   | - | 1/2 | 35,0 | 62,0 | 69.5 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 62,0 | 69.5 | 24 |



8965 6/4 - 1/8

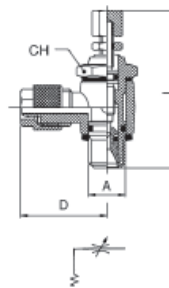


## 8965 - Zawór dławiąco-zwrotny skręcany z regulacją ręczną do zaworów

| Wąż     |   | A   | D    | Lmin | Lmax | CH |
|---------|---|-----|------|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 6/4     | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 46.5 | 52.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 41,0 | 46.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 46.5 | 52.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 56.5 | 63.5 | 20 |
| 10/8    | - | 1/4 | 29.5 | 46.5 | 52.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 56.5 | 63.5 | 20 |
| 12/10   | - | 3/8 | 31.5 | 56.6 | 63.5 | 20 |
| 12/10   | - | 1/2 | 35,0 | 62,0 | 69.5 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 62,0 | 69.5 | 24 |



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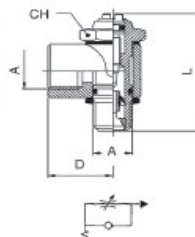


## 8975 - Zawór dławiący skręcany z regulacją ręczną

| Wąż     |   | A   | D    | Lmin | Lmax | CH |
|---------|---|-----|------|------|------|----|
| 4/2.7   | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 4/2.7   | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | M5  | 21.5 | 33,0 | 37.5 | 8  |
| 6/4     | - | 1/8 | 23.3 | 41,0 | 46.5 | 14 |
| 6/4     | - | 1/4 | 25.3 | 46.5 | 52.5 | 17 |
| 8/6     | - | 1/8 | 24.7 | 41,0 | 46.5 | 14 |
| 8/6     | - | 1/4 | 27.6 | 46.5 | 52.5 | 17 |
| 8/6     | - | 3/8 | 27.7 | 56.5 | 63.5 | 20 |
| 10/8    | - | 1/4 | 29.5 | 46.5 | 52.5 | 17 |
| 10/8    | - | 3/8 | 30.5 | 56.5 | 63.5 | 20 |
| 12/10   | - | 3/8 | 31.5 | 56.6 | 63.5 | 20 |
| 12/10   | - | 1/2 | 35,0 | 62,0 | 69.5 | 24 |
| 15/12.5 | - | 1/2 | 36.5 | 62,0 | 69.5 | 24 |

## 8952 - Zawór dławiąco-zwrotny z gwintem wewnętrznym z regulacją pod śrubokręt do siłowników

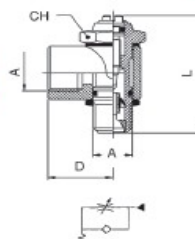
| A   | D    | L    | CH |
|-----|------|------|----|
| 1/8 | 16,5 | 30,5 | 14 |
| 1/4 | 22,0 | 35,5 | 17 |
| 3/8 | 26,0 | 35,5 | 20 |



8952 1/4 - 1/4

## 8962 - Zawór dławiąco-zwrotny z gwintem wewnętrznym z regulacją pod śrubokręt do siłowników

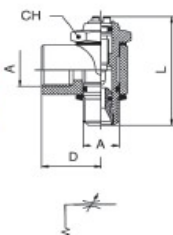
| A   | D    | L    | CH |
|-----|------|------|----|
| 1/8 | 16,5 | 30,5 | 14 |
| 1/4 | 22,0 | 35,5 | 17 |
| 3/8 | 26,0 | 35,5 | 20 |



8962 1/4 - 1/4

## 8972 - Zawór dławiący z gwintem wewnętrznym z regulacją pod śrubokręt

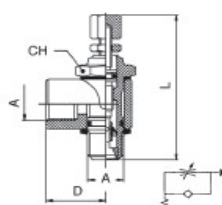
| A   | D    | L    | CH |
|-----|------|------|----|
| 1/8 | 16,5 | 30,5 | 14 |
| 1/4 | 22,0 | 35,5 | 17 |
| 3/8 | 26,0 | 35,5 | 20 |



8972 1/4 - 1/4

## 8957 - Zawór dławiąco-zwrotny z gwintem wewnętrznym z regulacją ręczną do siłowników

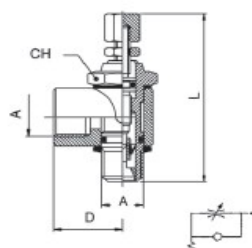
| A   | D    | Lmin | Lmax | CH |
|-----|------|------|------|----|
| 1/8 | 16,5 | 41,0 | 46,5 | 14 |
| 1/4 | 22,0 | 46,5 | 52,5 | 17 |
| 3/8 | 26,0 | 56,5 | 63,5 | 17 |



8957 1/4 - 1/4

## 8967 - Zawór dławiąco-zwrotny z gwintem wewnętrznym z regulacją ręczną do zaworów

| A   | D    | Lmin | Lmax | CH |
|-----|------|------|------|----|
| 1/8 | 16,5 | 41,0 | 46,5 | 14 |
| 1/4 | 22,0 | 46,5 | 52,5 | 17 |
| 3/8 | 26,0 | 56,5 | 63,5 | 17 |

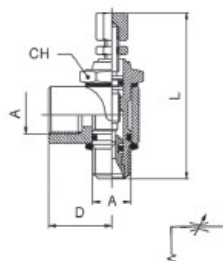


8967 1/4 - 1/4



8977 1/4 - 1/4

## 8977 – Zawór dławiący z gwintem wewnętrznym z regulacją ręczną

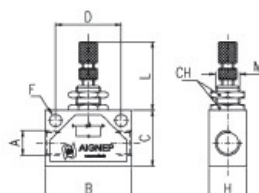


| A   | D    | Lmin | Lmax | CH |
|-----|------|------|------|----|
| 1/8 | 16,5 | 41,0 | 46,5 | 14 |
| 1/4 | 22,0 | 46,5 | 52,5 | 17 |
| 3/8 | 26,0 | 56,5 | 63,5 | 17 |



8850 1/4

## 8850 – Zawory dławiąco-zwrotne

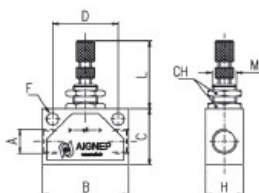


| A   | B    | C    | H    | D    | F   | L         | M        | CH |
|-----|------|------|------|------|-----|-----------|----------|----|
| M5  | 25,0 | 15,0 | 12,0 | 18,0 | 4,5 | 23,0-27,0 | M10x0.75 | 12 |
| 1/8 | 35,0 | 22,0 | 18,0 | 24,7 | 4,5 | 27,0-34,0 | M12x0.75 | 15 |
| 1/4 | 46,0 | 30,0 | 20,0 | 35,0 | 6,5 | 27,0-34,0 | M12x0.75 | 15 |
| 3/8 | 50,0 | 30   | 25,0 | 35,0 | 6,5 | 32,0-43,0 | M18x1.5  | 22 |
| 1/2 | 60,0 | 40,0 | 25,0 | 44,0 | 6,5 | 32,0-43,0 | M18x1.5  | 22 |



8860 1/4

## 8860 – Zawory dławiące

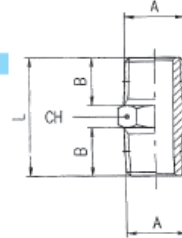


| A   | B    | C    | H    | D    | F   | L         | M        | CH |
|-----|------|------|------|------|-----|-----------|----------|----|
| M5  | 25,0 | 15,0 | 12,0 | 18,0 | 4,5 | 23,0-27,0 | M10x0.75 | 12 |
| 1/8 | 35,0 | 22,0 | 18,0 | 24,7 | 4,5 | 27,0-34,0 | M12x0.75 | 15 |
| 1/4 | 46,0 | 30,0 | 20,0 | 35,0 | 6,5 | 27,0-34,0 | M12x0.75 | 15 |
| 3/8 | 50,0 | 30,0 | 25,0 | 35,0 | 6,5 | 32,0-43,0 | M18x1.5  | 22 |
| 1/2 | 60,0 | 40,0 | 25,0 | 44,0 | 6,5 | 32,0-43,0 | M18x1.5  | 22 |

## Akcesoria złączne - Nypel

### 2000 – Nypel, gwint stożkowy, mosiądz niklowany

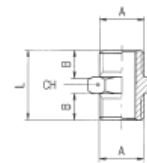
| A   | B    | L    | CH |
|-----|------|------|----|
| 3/4 | 16,5 | 40,0 | 27 |
| 1   | 19,0 | 45,5 | 34 |



2000 3/4

### 2010 – Nypel, gwint cylindryczny, mosiądz niklowany

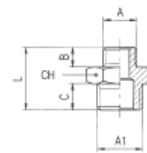
| A   | B    | L    | CH |
|-----|------|------|----|
| M5  | 4,0  | 11,5 | 8  |
| 1/8 | 6,0  | 16,5 | 14 |
| 1/4 | 8,0  | 21,0 | 17 |
| 3/8 | 9,0  | 23,0 | 19 |
| 1/2 | 10,0 | 25,5 | 24 |



2010 1/4

### 2030 – Nypel redukcyjny, gwint cylindryczny, mosiądz niklowany

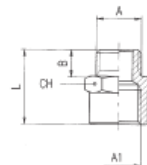
| A   |   | A1  | B    | C    | L      | CH |
|-----|---|-----|------|------|--------|----|
| M5  | - | 1/8 | 4,0  | 6,0  | 14.5   | 14 |
| 1/8 | - | 1/4 | 6,0  | 8,0  | 19,0,0 | 17 |
| 1/8 | - | 3/8 | 6,0  | 9,0  | 20,0   | 19 |
| 1/4 | - | 3/8 | 8,0  | 9,0  | 22,0   | 19 |
| 1/4 | - | 1/2 | 8,0  | 10,0 | 23.5   | 24 |
| 3/8 | - | 1/2 | 9,0  | 10,0 | 24.5   | 24 |
| 1/2 | - | 3/4 | 10,0 | 12,0 | 27.5   | 30 |



2030 1/4 - 3/8

### 2050 – Redukcja nypłowa, gwint cylindryczny, mosiądz niklowany

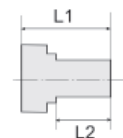
| A   |   | A1  | B    | L    | CH |
|-----|---|-----|------|------|----|
| M5  | - | 1/8 | 4,0  | 14,5 | 14 |
| 1/8 | - | 1/8 | 6,0  | 17,0 | 14 |
| 1/8 | - | 1/4 | 6,0  | 20,5 | 17 |
| 1/8 | - | 3/8 | 6,0  | 21,5 | 22 |
| 1/4 | - | 1/4 | 8,0  | 22,5 | 17 |
| 1/4 | - | 3/8 | 8,0  | 23,5 | 22 |
| 1/4 | - | 1/2 | 8,0  | 26,5 | 26 |
| 3/8 | - | 3/8 | 9,0  | 24,5 | 22 |
| 3/8 | - | 1/2 | 9,0  | 27,5 | 26 |
| 1/2 | - | 1/2 | 10,0 | 28,5 | 26 |



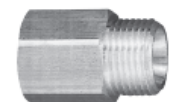
2050 1/4 - 3/8

### Redukcja nypłowa, gwint cylindryczny, mosiądz

| Kod      | Gwintzew. | Gwintwew. | L1   | L2   | SW |
|----------|-----------|-----------|------|------|----|
| 252.08/1 | M5        | M5        | 15,0 | 5,0  | 8  |
| 252.08/2 | M5        | G1/8      | 17,0 | 5,0  | 14 |
| 252.08/3 | G1/8      | M5        | 17,0 | 7,0  | 14 |
| 252.11   | G1/8      | G1/8      | 23,0 | 8,0  | 14 |
| 252.08   | G1/8      | G1/4      | 26,0 | 10,0 | 17 |
| 252.12   | G1/4      | G1/8      | 28,0 | 10,0 | 17 |
| 252.13   | G1/4      | G1/4      | 28,0 | 10,0 | 17 |
| 252.09   | G1/4      | G3/8      | 26,0 | 10,0 | 19 |
| 252.14   | G3/8      | G1/4      | 29,0 | 10,0 | 19 |
| 252.15   | G3/8      | G3/8      | 29,0 | 10,0 | 19 |
| 252.10   | G3/8      | G1/2      | 27,0 | 12,0 | 24 |
| 252.16   | G1/2      | G3/8      | 34,0 | 12,0 | 24 |
| 252.17   | G1/2      | G1/2      | 34,0 | 12,0 | 24 |
| 252.18   | G1/2      | G3/4      | 38,0 | 13,0 | 32 |
| 252.19   | G3/4      | G1        | 26,0 | 11,0 | 36 |



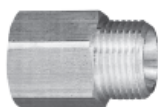
252.10



252.16



252.10 - ES



252.16 - ES

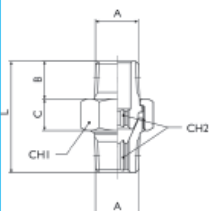
## Redukcja nypłowa, gwint cylindryczny, stal nierdzewna

| Kod         | Gwint zew. | Gwint wew. | L1   | L2   | SW |
|-------------|------------|------------|------|------|----|
| 252.08/1-ES | M5         | M5         | 16,0 | 5,5  | 10 |
| 252.08/2-ES | M5         | G1/8       | 17,0 | 5,0  | 14 |
| 252.08/3-ES | G1/8       | M5         | 18,0 | 8,0  | 14 |
| 252.11-ES   | G1/8       | G1/8       | 23,0 | 8,0  | 14 |
| 252.08-ES   | G1/8       | G1/4       | 26,0 | 10,0 | 17 |
| 252.12-ES   | G1/4       | G1/8       | 28,0 | 10,0 | 17 |
| 252.13-ES   | G1/4       | G1/4       | 28,0 | 10,0 | 17 |
| 252.09-ES   | G1/4       | G3/8       | 26,0 | 10,0 | 19 |
| 252.14-ES   | G3/8       | G1/4       | 29,0 | 10,0 | 19 |
| 252.15-ES   | G3/8       | G3/8       | 29,0 | 10,0 | 19 |
| 252.10-ES   | G3/8       | G1/2       | 27,0 | 12,0 | 24 |
| 252.16-ES   | G1/2       | G3/8       | 34,0 | 12,0 | 24 |
| 252.17-ES   | G1/2       | G1/2       | 34,0 | 12,0 | 24 |
| 252.18-ES   | G1/2       | G3/4       | 38,0 | 13,0 | 32 |

## 2060 – Śrubunek, gwint cylindryczny, mosiądz



2060 1/4

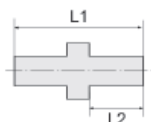


| A   | B    | C    | L    | CH1 | CH2 |
|-----|------|------|------|-----|-----|
| 1/8 | 7.5  | 8.5  | 27,0 | 15  | 5   |
| 1/4 | 11,0 | 9.5  | 33.5 | 19  | 6   |
| 3/8 | 11.5 | 10,0 | 36.5 | 22  | 8   |
| 1/2 | 14,0 | 12,0 | 45,0 | 27  | 12  |
| 3/4 | 16.5 | 17   | 52.5 | 36  | 14  |
| 1   | 19,0 | 20,0 | 63.5 | 46  | 19  |

## Nypel (gwint cylindryczny), mosiądz



252.05



| Kod        | Gwint 1   | Gwint 2   | SW | L1   | L2   |
|------------|-----------|-----------|----|------|------|
| 252C       | M5        | M5        | 7  | 13,0 | 8,0  |
| 252D       | M5        | G1/8      | 14 | 17,0 | 12,0 |
| 252E       | M5        | G1/4      | 17 | 21,0 | 14,0 |
| 252A       | G1/8      | G1/8      | 14 | 21,0 | 13,0 |
| 252B       | G1/8      | G1/4      | 17 | 22,0 | 14,0 |
| 252B/1     | G1/8      | G3/8      | 19 | 25,0 | 16,0 |
| 252.01     | G1/4      | G1/4      | 17 | 23,0 | 14,0 |
| 252.36     | G1/4 lewy | G1/4 lewy | 17 | 23,0 | 14,0 |
| 252.02     | G1/4      | G3/8      | 19 | 24,0 | 15,0 |
| 252.02/S   | G1/4      | G1/2      | 24 | 29,0 | 18,0 |
| 252.03     | G3/8      | G3/8      | 19 | 25,0 | 15,0 |
| 252.37     | G3/8 lewy | G3/8 lewy | 17 | 37,0 | 24,0 |
| 252.04     | G3/8      | G1/2      | 24 | 27,0 | 17,0 |
| 252.04/S   | G3/8      | G3/4      | 32 | 36,0 | 24,0 |
| 252.05     | G1/2      | G1/2      | 24 | 29,0 | 17,0 |
| 252.06     | G1/2      | G3/4      | 32 | 33,0 | 21,0 |
| 252.06/S   | G1/2      | G 1       | 36 | 40,0 | 24,0 |
| 252.07     | G3/4      | G3/4      | 32 | 33,0 | 21,0 |
| 252.07/1   | G3/4      | G1        | 36 | 40,0 | 24,0 |
| 252.07/2   | G1        | G1        | 36 | 42,5 | 26,0 |
| 252.07/2-1 | G1        | G1 1/4    | 42 | 32,0 | 20,0 |
| 252.07/2-2 | G1        | G1 1/2    | 50 | 39,0 | 24,5 |
| 252.07/3   | G1 1/4    | G1 1/4    | 42 | 39,0 | 23,5 |
| 252.07/3-1 | G1 1/4    | G1 1/2    | 50 | 40,0 | 22,5 |
| 252.07/4   | G1 1/2    | G1 1/2    | 50 | 50,0 | 30,0 |
| 252.07/4-1 | G1 1/2    | G2        | 62 | 44,5 | 27,0 |
| 252.07/5   | G2        | G2        | 62 | 54,0 | 32,0 |

## 2070 – Przedłużka (gwint cylindryczny), mosiądz niklowany

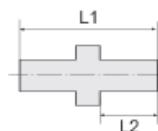
| A   |   | A1  |   | L  | B   | CH |
|-----|---|-----|---|----|-----|----|
| 1/8 | - | 1/8 | - | 22 | 6,0 | 14 |
| 1/8 | - | 1/8 | - | 42 | 6,0 | 14 |
| 1/4 | - | 1/4 | - | 35 | 8,0 | 17 |
| 1/4 | - | 1/4 | - | 51 | 8,0 | 17 |



2070 1/4 - 1/4 - 35

## Nypel (gwint cylindryczny), stal nierdzewna

| Kod         | Gwint 1 | Gwint 2 | SW | L1   | L2   |
|-------------|---------|---------|----|------|------|
| 252 C-ES    | M5      | M5      | 7  | 13,0 | 8,0  |
| 252 D-ES    | M5      | G1/8    | 14 | 17,0 | 12,0 |
| 252 E-ES    | M5      | G1/4    | 17 | 21,0 | 14,0 |
| 252 A-ES    | G1/8    | G1/8    | 14 | 21,0 | 13,0 |
| 252 B-ES    | G1/8    | G1/4    | 17 | 22,0 | 14,0 |
| 252 B1-ES   | G1/8    | G3/8    | 19 | 25,0 | 16,0 |
| 252.01-ES   | G1/4    | G1/4    | 17 | 23,0 | 14,0 |
| 252.02-ES   | G1/4    | G3/8    | 19 | 24,0 | 15,0 |
| 252.02/S-ES | G1/4    | G1/2    | 24 | 27,0 | 18,0 |
| 252.03-ES   | G3/8    | G3/8    | 19 | 25,0 | 15,0 |
| 252.04-ES   | G3/8    | G1/2    | 24 | 27,0 | 17,0 |
| 252.04/S-ES | G3/8    | G3/4    | 32 | 36,0 | 24,0 |
| 252.05-ES   | G1/2    | G1/2    | 24 | 29,0 | 17,0 |
| 252.06-ES   | G1/2    | G3/4    | 32 | 33,0 | 21,0 |
| 252.06/S-ES | G1/2    | G1      | 36 | 40,0 | 24,0 |
| 252.07-ES   | G3/4    | G3/4    | 32 | 33,0 | 21,0 |
| 252.07/1-ES | G3/4    | G1      | 36 | 40,0 | 24,0 |
| 252.07/2-ES | G1      | G1      | 36 | 42,0 | 26,0 |



252.05 - ES

## Nypel (gwint stożkowy), mosiądz

| Kod     | Gwint 1 | Gwint 2 | SW | L1   | L2   |
|---------|---------|---------|----|------|------|
| 252.301 | R1/4    | R1/4    | 14 | 30,0 | 18,0 |
| 252.302 | R3/8    | R3/8    | 22 | 38,0 | 22,0 |
| 252.303 | R1/2    | R1/2    | 27 | 38,0 | 22,0 |
| 252.304 | R3/4    | R3/4    | 32 | 51,5 | 29,5 |
| 252.305 | R1      | R1      | 41 | 47,5 | 28,0 |



252.303

## Nypel (gwint cylindryczny), stal nierdzewna

| Kod        | Gwint 1 | Gwint 2 | SW | L1   | L2   |
|------------|---------|---------|----|------|------|
| 252.301-ES | R1/4    | R1/4    | 14 | 30,0 | 18,0 |
| 252.302-ES | R3/8    | R3/8    | 22 | 38,0 | 22,0 |
| 252.303-ES | R1/2    | R1/2    | 27 | 38,0 | 22,0 |
| 252.304-ES | R3/4    | R3/4    | 32 | 51,5 | 30,0 |
| 252.305-ES | R1      | R1      | 41 | 47,0 | 28,0 |



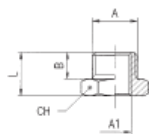
252.303 - ES

## Akcesoria złączne – Redukcje „wz”

### 2090 – Redukcja (gwint cylindryczny), mosiądz niklowany



2090 3/8 - 1/4

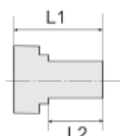


|     | A | A1  | B    | L    | CH |
|-----|---|-----|------|------|----|
| 1/8 | - | M5  | 6,0  | 10,5 | 14 |
| 1/4 | - | 1/8 | 8,0  | 13,0 | 17 |
| 3/8 | - | 1/8 | 9,0  | 14,0 | 19 |
| 1/2 | - | 1/8 | 10,0 | 15,5 | 24 |
| 3/8 | - | 1/4 | 9,0  | 14,0 | 19 |
| 1/2 | - | 1/4 | 10,0 | 15,5 | 24 |
| 1/2 | - | 3/8 | 10,0 | 15,5 | 24 |
| 3/4 | - | 3/8 | 12   | 17,5 | 30 |
| 3/4 | - | 1/2 | 12   | 17,5 | 30 |

### Redukcja (gwint cylindryczny), mosiądz



251.02

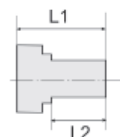


| Kod      | Gwint zew. | Gwint wew. | L1   | L2   | SW |
|----------|------------|------------|------|------|----|
| 251.00   | G1/8       | M5         | 11,0 | 7,0  | 14 |
| 251.00/S | G1/4       | M5         | 14,0 | 10,0 | 17 |
| 251.01   | G1/4       | G1/8       | 13,0 | 8,0  | 17 |
| 251.06   | G3/8       | G1/8       | 13,0 | 9,5  | 19 |
| 251.02   | G3/8       | G1/4       | 13,0 | 9,5  | 19 |
| 251.08   | G1/2       | G1/8       | 18,0 | 12,0 | 24 |
| 251.07   | G1/2       | G1/4       | 15,5 | 11,5 | 22 |
| 251.03   | G1/2       | G3/8       | 15,5 | 11,5 | 22 |
| 251.123  | G1/2       | G3/8 NPT   | 15,5 | 11,5 | 22 |
| 251.09   | G3/4       | G3/8       | 18,0 | 12,0 | 32 |
| 251.04   | G3/4       | G1/2       | 21,0 | 14,0 | 32 |
| 251.10   | G1         | G1/2       | 24,0 | 16,0 | 36 |
| 251.05   | G1         | G3/4       | 18,0 | 12,0 | 36 |
| 251.11   | G1 1/4     | G1         | 24,0 | 16,0 | 42 |
| 251.11/1 | G1 1/2     | G1         | 24,0 | 16,0 | 48 |
| 251.12   | G1 1/2     | G1 1/4     | 21,0 | 15,0 | 50 |
| 251.12/1 | G2         | G1         | 28,0 | 18,0 | 60 |
| 251.12/2 | G2         | G1 1/4     | 26,5 | 18,0 | 62 |
| 251.13   | G2         | G1 1/2     | 30,0 | 20,0 | 65 |

### Redukcja (gwint cylindryczny), stal nierdzewna



251.02 - ES

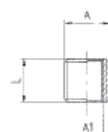


| Kod         | Gwint zew. | Gwint wew. | L1   | L2   | SW |
|-------------|------------|------------|------|------|----|
| 251.00-ES   | G1/8       | M5         | 11,0 | 7,0  | 14 |
| 251.00/S-ES | G1/4       | M5         | 14,0 | 10,0 | 17 |
| 251.01-ES   | G1/4       | G1/8       | 13,0 | 8,0  | 17 |
| 251.06-ES   | G3/8       | G1/8       | 13,0 | 9,5  | 19 |
| 251.02-ES   | G3/8       | G1/4       | 13,0 | 9,5  | 19 |
| 251.08-ES   | G1/2       | G1/8       | 18,0 | 12,0 | 24 |
| 251.07-ES   | G1/2       | G1/4       | 15,5 | 11,5 | 22 |
| 251.03-ES   | G1/2       | G3/8       | 15,5 | 11,5 | 22 |
| 251.09-ES   | G3/4       | G3/8       | 18,0 | 12,0 | 32 |
| 251.04-ES   | G3/4       | G1/2       | 21,0 | 14,0 | 32 |
| 251.10-ES   | G1         | G1/2       | 24,0 | 16,0 | 36 |
| 251.05-ES   | G1         | G3/4       | 18,0 | 12,0 | 36 |

### 2095 – Pierścień redukcyjny (gwint cylindryczny), mosiądz niklowany



2095 1/4 - 1/8

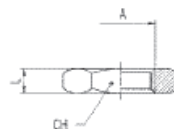


|     | A | A1  | L    |
|-----|---|-----|------|
| 1/4 | - | 1/8 | 8,0  |
| 3/8 | - | 1/4 | 9,0  |
| 1/2 | - | 3/8 | 10,0 |
| 3/4 | - | 1/2 | 14,0 |
| 1   | - | 3/4 | 20,0 |

## Akcesoria złączne – Mufy

### 2096 – Nakrętka calowa (gwint cylindryczny), Mosiądz niklowany

| A   | L   | CH |
|-----|-----|----|
| 1/8 | 4,5 | 14 |
| 1/4 | 5,0 | 17 |
| 3/8 | 6,0 | 20 |
| 1/2 | 6,0 | 24 |



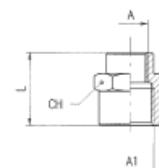
### 3000 – Mufa (gwint cylindryczny), mosiądz niklowany

| A   | L    | CH |
|-----|------|----|
| M5  | 11,0 | 8  |
| 1/8 | 15,0 | 14 |
| 1/4 | 22,0 | 17 |
| 3/8 | 24,0 | 22 |
| 1/2 | 30,0 | 26 |
| 3/4 | 32,0 | 32 |



### 3010 – Mufa redukcyjna (gwint cylindryczny), mosiądz niklowany

| A   | A1 | L   | CH      |
|-----|----|-----|---------|
| M5  | -  | 1/8 | 13 14   |
| 1/8 | -  | 1/4 | 19 17   |
| 1/8 | -  | 3/8 | 20 22   |
| 1/8 | -  | 1/2 | 24 24   |
| 1/4 | -  | 3/8 | 23 22   |
| 1/4 | -  | 1/2 | 25 24   |
| 3/8 | -  | 1/2 | 27.5 24 |
| 1/2 | -  | 3/4 | 30 30   |
| 1/2 | -  | 1   | 39 40   |
| 3/4 | -  | 1   | 41 40   |

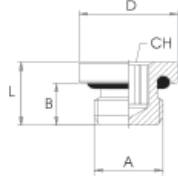


## Akcesoria złączne – Korki

### 3015 – Korek (imbus) (gwint cylindryczny), mosiądz niklowany



3015 1/4

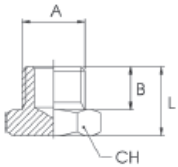


| A   | B    | L    | D    | CH |
|-----|------|------|------|----|
| M5  | 4,0  | 6,0  | 8,0  | 2  |
| 1/8 | 6,0  | 8,5  | 14,0 | 5  |
| 1/4 | 8,0  | 11,0 | 17,0 | 6  |
| 3/8 | 9,0  | 12,5 | 20,0 | 8  |
| 1/2 | 10,0 | 13,5 | 25,0 | 10 |

### 3020 – Korek z łbem sześciokątnym (gwint cylindryczny), mosiądz niklowany



3020 1/4

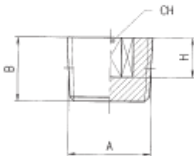


| A   | B    | L    | CH |
|-----|------|------|----|
| M5  | 4,5  | 8,0  | 8  |
| 1/8 | 6,5  | 10,0 | 14 |
| 1/4 | 9,0  | 13,0 | 17 |
| 3/8 | 9,5  | 13,5 | 19 |
| 1/2 | 10,0 | 14,5 | 24 |
| 3/4 | 11,0 | 16,0 | 30 |
| 1   | 12,0 | 17,0 | 40 |

### 3025 – Korek mini (imbus) (gwint stożkowy), mosiądz niklowany



3025 1/4



| A   | B    | H   | CH |
|-----|------|-----|----|
| 1/8 | 7,5  | 5,0 | 5  |
| 1/4 | 10,0 | 7,0 | 6  |
| 3/8 | 11   | 7,0 | 8  |
| 1/2 | 13,0 | 8,0 | 10 |

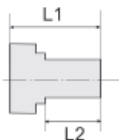
### Korki (gwint cylindryczny), mosiądz



252.92



252.96



| Kod     | Gwint | L1   | L2   | SW |
|---------|-------|------|------|----|
| 252.91  | G 1/8 | 11,0 | 8,0  | 5  |
| 252.92  | G 1/4 | 13,0 | 10,0 | 6  |
| 252.93  | G 3/8 | 15,0 | 12,0 | 8  |
| 252.94  | G 1/2 | 18,0 | 14,0 | 10 |
| 252.95  | G 1/8 | 11,0 | 6,0  | 13 |
| 252.96  | G 1/4 | 13,0 | 8,0  | 17 |
| 252.97  | G 3/8 | 14,0 | 8,0  | 19 |
| 252.98  | G 1/2 | 16,0 | 10,0 | 24 |
| 252.101 | G 1/8 | 8,0  |      | 5  |
| 252.102 | G 1/4 | 10,0 |      | 7  |

### Korki (gwint cylindryczny), stal nierdzewna



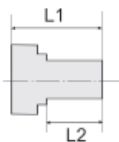
252.92-ES



252.96-ES



252.102-ES

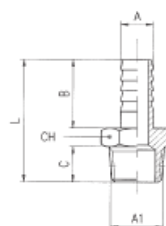


| Kod        | Gwint | L1   | L2   | SW |
|------------|-------|------|------|----|
| 252.91-ES  | G 1/8 | 11,0 | 8,0  | 5  |
| 252.92-ES  | G 1/4 | 13,0 | 10,0 | 6  |
| 252.93-ES  | G 3/8 | 15,0 | 12,0 | 8  |
| 252.94-ES  | G 1/2 | 18,0 | 14,0 | 10 |
| 252.95-ES  | G 1/8 | 11,0 | 6,0  | 13 |
| 252.96-ES  | G 1/4 | 13,0 | 8,0  | 17 |
| 252.97-ES  | G 3/8 | 14,0 | 8,0  | 19 |
| 252.98-ES  | G 1/2 | 16,0 | 10,0 | 24 |
| 252.101-ES | G 1/8 | 8,0  |      | 5  |
| 252.102-ES | G 1/4 | 10,0 |      | 6  |

## Akcesoria złączne – Złączki do węży

**3040 - Złączka pod wąż z gwintem zewnętrznym (stożkowym), mosiądz niklowany**

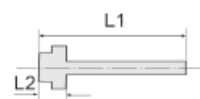
| A  | A1 | B   | C    | L    | CH   |
|----|----|-----|------|------|------|
| 6  | -  | 1/8 | 19,5 | 7,5  | 32,0 |
| 6  | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 7  | -  | 1/8 | 19,5 | 7,5  | 32,0 |
| 7  | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 8  | -  | 1/8 | 19,5 | 7,5  | 32,0 |
| 8  | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 9  | -  | 1/8 | 19,5 | 7,5  | 32,0 |
| 9  | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 9  | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 9  | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 10 | -  | 1/8 | 19,5 | 7,5  | 32,0 |
| 10 | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 10 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 10 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 12 | -  | 1/4 | 19,5 | 11,0 | 35,5 |
| 12 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 12 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 14 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 14 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 16 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 16 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 16 | -  | 3/4 | 19,5 | 16,5 | 43,5 |
| 17 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 17 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 18 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 18 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 18 | -  | 3/4 | 19,5 | 16,5 | 43,5 |
| 20 | -  | 3/8 | 19,5 | 11,5 | 36,0 |
| 20 | -  | 1/2 | 19,5 | 14,0 | 39,0 |
| 20 | -  | 3/4 | 19,5 | 13,5 | 40,0 |
| 25 | -  | 3/4 | 19,5 | 14,5 | 41,0 |
| 25 | -  | 1"  | 30   | 16,0 | 53,5 |



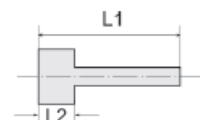
3040 9 - 1/4

**Złączka pod wąż z gwintem zewnętrznym (cylindrycznym), mosiądz**

| Nr. katalogowy | Gwint     | pod wąż | SW | L1   | L2   |
|----------------|-----------|---------|----|------|------|
| 239.00         | M5        | 4       | 7  | 15,5 | 5,0  |
| 239.01         | G1/8      | 4       | 14 | 41,5 | 9,0  |
| 239.02         | G1/8      | 6       | 14 | 41,5 | 9,0  |
| 239.03         | G1/8      | 9       | 17 | 48,5 | 10,0 |
| 239A           | G1/4      | 4       | 17 | 48,5 | 10,0 |
| 239B           | G1/4      | 6       | 17 | 48,5 | 10,0 |
| 239C           | G1/4      | 9       | 17 | 48,5 | 10,0 |
| 239C/S         | G1/4      | 13      | 19 | 48,5 | 10,0 |
| 239D           | G3/8      | 4       | 19 | 48,5 | 10,0 |
| 239E           | G3/8      | 6       | 19 | 48,5 | 10,0 |
| 239.40         | G3/8 lewy | 6       | 19 | 48,5 | 10,0 |
| 239F           | G3/8      | 9       | 19 | 48,5 | 10,0 |
| 239.45         | G3/8 lewy | 9       | 19 | 48,5 | 10,0 |
| 239F/S         | G3/8      | 13      | 19 | 48,5 | 10,0 |
| 239G           | G1/2      | 6       | 24 | 48,5 | 10,0 |
| 239H           | G1/2      | 9       | 24 | 48,5 | 10,0 |
| 239J           | G1/2      | 13      | 24 | 50,0 | 10,0 |
| 243.78         | G1/2      | 16      | 20 | 58,0 | 10,0 |
| 243.79         | G1/2      | 19      | 20 | 63,0 | 10,0 |
| 239K           | G3/4      | 9       | 27 | 50,5 | 11,0 |
| 239M           | G3/4      | 13      | 27 | 52,0 | 11,0 |
| 239P           | G3/4      | 19      | 27 | 50,5 | 11,0 |
| 239W           | G1        | 25      | 38 | 51,5 | 11,0 |
| 239Z           | G1        | 32      | 38 | 57,0 | 12,0 |



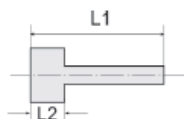
239 E



239 M

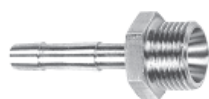


239.19

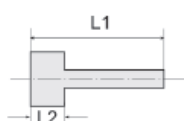


## Złączka pod wąż z gwintem wewnętrznym (cylindrycznym), mosiądz

| Kod    | Gwint | Pod wąż | SW | L1   | L2   |
|--------|-------|---------|----|------|------|
| 239.10 | G1/8  | 6       | 12 | 35,0 | 10,0 |
| 239.11 | G1/8  | 8       | 12 | 35,0 | 10,0 |
| 239.12 | G1/4  | 6       | 15 | 36,0 | 11,0 |
| 239.13 | G1/4  | 8       | 15 | 36,0 | 11,0 |
| 239.14 | G1/4  | 10      | 15 | 36,0 | 11,0 |
| 239.15 | G1/4  | 13      | 15 | 40,5 | 11,0 |
| 239.18 | G3/8  | 6       | 19 | 36,0 | 11,0 |
| 239.19 | G3/8  | 8       | 19 | 36,0 | 11,0 |
| 239.20 | G3/8  | 10      | 19 | 36,0 | 11,0 |
| 239.21 | G3/8  | 13      | 19 | 40,5 | 11,0 |
| 239.25 | G1/2  | 6       | 23 | 39,0 | 14,5 |
| 239.26 | G1/2  | 8       | 23 | 39,0 | 14,5 |
| 239.27 | G1/2  | 10      | 23 | 39,0 | 14,5 |
| 239.28 | G1/2  | 13      | 23 | 44,0 | 14,5 |



239 E-ES

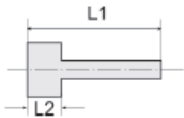


## Złączka pod wąż z gwintem wewnętrznym (cylindrycznym), stal nierdzewna

| Kod       | Gwint | Pod wąż | SW | L1   | L2   |
|-----------|-------|---------|----|------|------|
| 239.00-ES | M5    | 4       | 8  | 15,5 | 5,0  |
| 239.01-ES | G1/8  | 4       | 14 | 41,5 | 9,0  |
| 239.02-ES | G1/8  | 6       | 14 | 41,5 | 9,0  |
| 239.03-ES | G1/8  | 9       | 17 | 48,5 | 10,0 |
| 239A-ES   | G1/4  | 4       | 17 | 48,5 | 10,0 |
| 239B-ES   | G1/4  | 6       | 17 | 48,5 | 10,0 |
| 239C-ES   | G1/4  | 9       | 17 | 48,5 | 10,0 |
| 239C/S-ES | G1/4  | 13      | 19 | 48,5 | 10,0 |
| 239D-ES   | G3/8  | 4       | 19 | 48,5 | 10,0 |
| 239E-ES   | G3/8  | 6       | 19 | 48,5 | 10,0 |
| 239F-ES   | G3/8  | 9       | 19 | 48,5 | 10,0 |
| 239F/S-ES | G3/8  | 13      | 19 | 48,5 | 10,0 |
| 239G-ES   | G1/2  | 6       | 24 | 48,5 | 10,0 |
| 239H-ES   | G1/2  | 9       | 24 | 48,5 | 10,0 |
| 239J-ES   | G1/2  | 13      | 24 | 50,0 | 10,0 |
| 239K-ES   | G3/4  | 9       | 27 | 50,5 | 11,0 |
| 239M-ES   | G3/4  | 13      | 27 | 52,0 | 11,0 |
| 239P-ES   | G3/4  | 19      | 27 | 50,5 | 11,0 |



239.19-ES



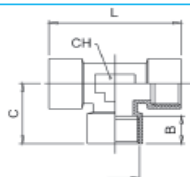
## Złączka pod wąż z gwintem wewnętrznym (cylindrycznym), stal nierdzewna

| Kod       | Gwint | Pod wąż | SW | L1   | L2   |
|-----------|-------|---------|----|------|------|
| 239.10-ES | G1/8  | 6       | 12 | 35,0 | 10,0 |
| 239.11-ES | G1/8  | 8       | 12 | 35,0 | 10,0 |
| 239.12-ES | G1/4  | 6       | 17 | 36,0 | 11,0 |
| 239.13-ES | G1/4  | 8       | 17 | 36,0 | 11,0 |
| 239.14-ES | G1/4  | 10      | 17 | 36,0 | 11,0 |
| 239.15-ES | G1/4  | 13      | 17 | 40,5 | 11,0 |
| 239.18-ES | G3/8  | 6       | 19 | 36,0 | 11,0 |
| 239.19-ES | G3/8  | 8       | 19 | 36,0 | 11,0 |
| 239.20-ES | G3/8  | 10      | 19 | 36,0 | 11,0 |
| 239.21-ES | G3/8  | 13      | 19 | 40,5 | 11,0 |
| 239.25-ES | G1/2  | 6       | 24 | 39,0 | 14,5 |
| 239.26-ES | G1/2  | 8       | 24 | 39,0 | 14,5 |
| 239.27-ES | G1/2  | 10      | 24 | 39,0 | 14,5 |
| 239.28-ES | G1/2  | 13      | 24 | 44,0 | 14,5 |

## Akcesoria złączne – Trójniki

### 4000 – Trójnik T „www”, mosiądz niklowany

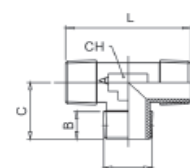
| A   | B    | C    | L    | CH |
|-----|------|------|------|----|
| 1/8 | 8,5  | 19,5 | 39,0 | 12 |
| 1/4 | 11,0 | 24,5 | 49,0 | 13 |
| 3/8 | 12,0 | 27,0 | 54,0 | 16 |
| 1/2 | 15,0 | 32,0 | 64,0 | 20 |
| 3/4 | 16,5 | 36,5 | 73,0 | 27 |
| 1   | 19,0 | 45,0 | 90,0 | 30 |



4000 1/4

### 4010 – Trójnik T „zzz”, mosiądz niklowany

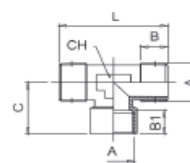
| A   | B    | C    | L    | CH |
|-----|------|------|------|----|
| 1/8 | 8,0  | 17,5 | 35,0 | 12 |
| 1/4 | 11,0 | 23,0 | 46,0 | 13 |
| 3/8 | 11,5 | 25,5 | 51,5 | 16 |
| 1/2 | 14,0 | 29,5 | 59,0 | 20 |
| 3/4 | 14,5 | 32,0 | 64,0 | 27 |
| 1   | 16,8 | 39,0 | 78,0 | 30 |



4010 1/4

### 4020 – Trójnik T „zww”, mosiądz niklowany

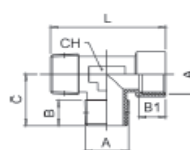
| A   | B    | B1   | C    | L    | CH |
|-----|------|------|------|------|----|
| 1/8 | 8,0  | 8,5  | 19,5 | 35,0 | 12 |
| 1/4 | 11,0 | 11,0 | 24,5 | 46,0 | 13 |
| 3/8 | 11,5 | 12,0 | 27,0 | 51,0 | 16 |
| 1/2 | 14,0 | 15,0 | 32,0 | 59,0 | 20 |
| 3/4 | 14,5 | 16,5 | 36,5 | 64,0 | 27 |
| 1   | 16,8 | 19,0 | 45,0 | 78,0 | 30 |



4020 1/4

### 4030 – Trójnik T „wzz”, mosiądz niklowany

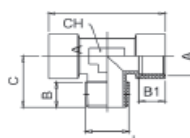
| A   | B    | B1   | C    | L    | CH |
|-----|------|------|------|------|----|
| 1/8 | 8,0  | 8,5  | 17,5 | 37,0 | 12 |
| 1/4 | 11,0 | 11,0 | 23,0 | 47,5 | 13 |
| 3/8 | 11,5 | 12,0 | 25,5 | 52,5 | 16 |
| 1/2 | 14,0 | 15,0 | 29,5 | 61,5 | 20 |
| 3/4 | 14,5 | 16,5 | 32,0 | 68,5 | 27 |
| 1   | 16,8 | 19,0 | 39,0 | 84,0 | 30 |



4030 1/4

### 4040 – Trójnik T „wzw”, mosiądz niklowany

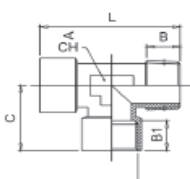
| A   | B    | B1   | C    | L    | CH |
|-----|------|------|------|------|----|
| 1/8 | 8,0  | 8,5  | 17,5 | 39,0 | 12 |
| 1/4 | 11,0 | 11,0 | 23,0 | 49,0 | 13 |
| 3/8 | 11,5 | 12,0 | 25,5 | 54,0 | 16 |
| 1/2 | 14,0 | 15,0 | 29,0 | 64,0 | 20 |
| 3/4 | 14,5 | 16,5 | 32,0 | 73,0 | 27 |
| 1   | 16,8 | 19,0 | 39,0 | 90,0 | 30 |



4040 1/4

### 4050 – Trójnik T „wzw”, mosiądz niklowany

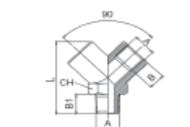
| A   | B    | B1   | C    | L    | CH |
|-----|------|------|------|------|----|
| 1/8 | 8,0  | 8,5  | 19,5 | 37,0 | 12 |
| 1/4 | 11,0 | 11,0 | 24,5 | 47,5 | 13 |
| 3/8 | 11,5 | 12,0 | 27,0 | 52,5 | 16 |
| 1/2 | 14,0 | 15,0 | 32,0 | 61,5 | 20 |
| 3/4 | 14,5 | 16,5 | 36,5 | 68,5 | 27 |
| 1   | 16,8 | 19,0 | 45,0 | 84,0 | 30 |



4050 1/4

### 6000 – Trójnik Y „wzw”, mosiądz niklowany

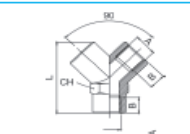
| A   | B    | B1   | L    | CH |
|-----|------|------|------|----|
| 1/8 | 8,0  | 9,0  | 33,0 | 14 |
| 1/4 | 11,0 | 11,0 | 37,0 | 17 |
| 3/8 | 11,5 | 12,5 | 46,0 | 22 |
| 1/2 | 14,0 | 16,5 | 58,0 | 26 |



6000 1/4

### 6010 – Trójnik Y „www”, mosiądz niklowany

| A   | B    | L    | CH |
|-----|------|------|----|
| 1/8 | 8,5  | 33,0 | 14 |
| 1/4 | 11,0 | 37,0 | 17 |
| 3/8 | 11,5 | 46,0 | 22 |
| 1/2 | 14,0 | 58,0 | 26 |



6010 1/4

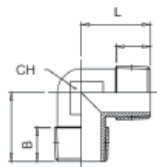
V.77

## Akcesoria złączne – Kolanka

### 5000 – Kolanko „zz”, mosiądz niklowany



5000 1/4

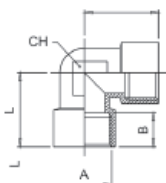


| A   | B    | L    | CH |
|-----|------|------|----|
| 1/8 | 7.5  | 18,0 | 11 |
| 1/4 | 11,0 | 24,0 | 13 |
| 3/8 | 12,0 | 27,0 | 17 |
| 1/2 | 14,0 | 29,5 | 20 |
| 3/4 | 14,5 | 32,0 | 27 |
| 1   | 16,8 | 39,0 | 30 |

### 5010 – Kolanko „ww”, mosiądz niklowany



5010 1/4

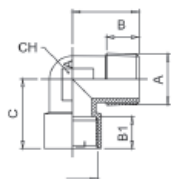


| A   | B    | L    | CH |
|-----|------|------|----|
| 1/8 | 8.5  | 21,0 | 11 |
| 1/4 | 11,0 | 25,5 | 13 |
| 3/8 | 11,5 | 28,0 | 17 |
| 1/2 | 15,0 | 32,0 | 20 |
| 3/4 | 16,5 | 36,5 | 27 |
| 1   | 19,0 | 45,0 | 30 |

### 5020 – Kolanko „wz”, mosiądz niklowany



5020 1/4

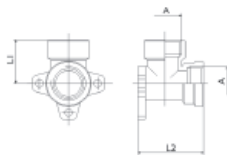


| A   | B    | B1   | C    | L    | CH |
|-----|------|------|------|------|----|
| 1/8 | 7.5  | 8.5  | 21,0 | 18,5 | 11 |
| 1/4 | 11,0 | 11,0 | 25,5 | 24,0 | 13 |
| 3/8 | 11,5 | 12,0 | 28,0 | 27,0 | 17 |
| 1/2 | 14,0 | 15,0 | 32,0 | 29,5 | 20 |
| 3/4 | 14,5 | 16,5 | 36,5 | 32,0 | 27 |
| 1   | 16,0 | 19,0 | 45,0 | 39,0 | 30 |

### 5050 – Kolanko naścienne „ww”, mosiądz niklowany



5050 1/4



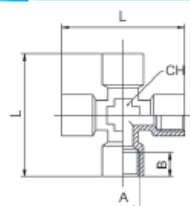
| A   | L  | L2   |
|-----|----|------|
| 1/2 | 27 | 40,5 |

## Akcesoria złączne – Czwórnik

### 6020 – Czwórnik „www”, mosiądz niklowany



6020 1/4

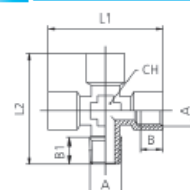


| A   | B    | L  | CH |
|-----|------|----|----|
| 1/8 | 8.5  | 39 | 11 |
| 1/4 | 11,0 | 50 | 13 |
| 3/8 | 12,0 | 56 | 17 |
| 1/2 | 15,0 | 64 | 20 |

### 6025 – Czwórnik „zwww”, mosiądz niklowany



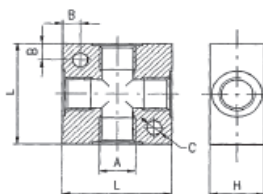
6025 1/4



| A   | B    | B1   | L1   | L2   | CH |
|-----|------|------|------|------|----|
| 1/8 | 8.5  | 8,0  | 39,0 | 37,0 | 11 |
| 1/4 | 11,0 | 11,0 | 50,0 | 48,5 | 13 |
| 3/8 | 12,0 | 11,5 | 56,0 | 54,0 | 17 |
| 1/2 | 15,0 | 14,0 | 64,0 | 61,0 | 20 |

## 6040 - Czwórnik „www” - „kostka”

| A   | B   | C   | H    | L    |
|-----|-----|-----|------|------|
| 1/8 | 4,3 | 4,5 | 15,0 | 25,0 |
| 1/4 | 6,5 | 5,5 | 20,0 | 40,0 |
| 3/8 | 7,5 | 5,5 | 25,0 | 50,0 |
| 1/2 | 7,5 | 5,5 | 30   | 50,0 |



6040 1/4

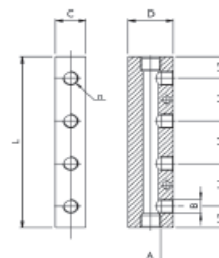
## Akcesoria złączne - Listwy rozdzielające

### 6047 - Listwa rozdzielająca, aluminium

| A   |   | B   |   | n° | C  | D  | L1 | L2   | L   | D   |
|-----|---|-----|---|----|----|----|----|------|-----|-----|
| 1/4 | - | 1/8 | - | 2  | 18 | 24 | 30 | 17.5 | 65  | 4.5 |
| 1/4 | - | 1/8 | - | 3  | 18 | 24 | 30 | 17.5 | 95  | 4.5 |
| 1/4 | - | 1/8 | - | 4  | 18 | 24 | 30 | 17.5 | 125 | 4.5 |
| 1/4 | - | 1/8 | - | 5  | 18 | 24 | 30 | 17.5 | 155 | 4.5 |
| 1/4 | - | 1/8 | - | 6  | 18 | 24 | 30 | 17.5 | 185 | 4.5 |
| 3/8 | - | 1/4 | - | 2  | 22 | 30 | 36 | 20   | 76  | 5.5 |
| 3/8 | - | 1/4 | - | 3  | 22 | 30 | 36 | 20   | 112 | 5.5 |
| 3/8 | - | 1/4 | - | 4  | 22 | 30 | 36 | 20   | 148 | 5.5 |
| 3/8 | - | 1/4 | - | 5  | 22 | 30 | 36 | 20   | 184 | 5.5 |
| 3/8 | - | 1/4 | - | 6  | 22 | 30 | 36 | 20   | 220 | 5.5 |
| 1/2 | - | 3/8 | - | 2  | 26 | 35 | 40 | 25   | 90  | 5.5 |
| 1/2 | - | 3/8 | - | 3  | 26 | 35 | 40 | 25   | 130 | 5.5 |
| 1/2 | - | 3/8 | - | 4  | 26 | 35 | 40 | 25   | 170 | 5.5 |
| 1/2 | - | 3/8 | - | 5  | 26 | 35 | 40 | 25   | 210 | 5.5 |
| 1/2 | - | 3/8 | - | 6  | 26 | 35 | 40 | 25   | 250 | 5.5 |



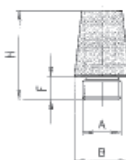
6047 1/4 - 1/8 - 5



## Akcesoria złączne - tłumiki hałasu

### 7000 - Tłumik hałasu stożkowy (spiek brązu)

| A   | F    | B    | H    | Δ    |
|-----|------|------|------|------|
| 1/8 | 6,0  | 12,0 | 21,0 | 42,6 |
| 1/4 | 6,0  | 15,0 | 25,0 | 44,0 |
| 3/8 | 8,0  | 19,0 | 36,0 | 27,3 |
| 1/2 | 10,0 | 23,0 | 43,0 | 19,0 |
| 3/4 | 13,0 | 30,0 | 53,0 | 16,0 |
| 1"  | 15,0 | 37,0 | 63,0 | 16,6 |

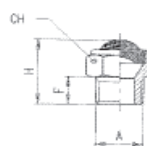


7000 1/4

Δ - Tłumienie akustyczne [db]

### 7010 - Tłumik hałasu płaski (spiek brązu)

| A   | F    | H    | CH | Δ    |
|-----|------|------|----|------|
| 1/8 | 6,0  | 13,0 | 13 | 30,6 |
| 1/4 | 8,0  | 16,0 | 16 | 33,0 |
| 3/8 | 9,0  | 18,0 | 19 | 35,0 |
| 1/2 | 11,0 | 20   | 24 | 23,0 |
| 3/4 | 13,0 | 24,0 | 30 | 26,0 |

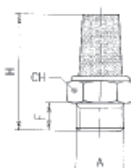


7010 1/4

Δ - Tłumienie akustyczne [db]

### 7030 - Tłumik hałasu stożkowy z sześciokątem pod klucz (spiek brązu)

| A   | F    | H    | CH | Δ    |
|-----|------|------|----|------|
| M5  | 4,0  | 22,0 | 8  | --   |
| 1/8 | 6,0  | 29,0 | 13 | 14,6 |
| 1/4 | 8,0  | 32,0 | 16 | 26,0 |
| 3/8 | 9,0  | 43,0 | 19 | 26,0 |
| 1/2 | 11,0 | 53   | 24 | 20,0 |
| 3/4 | 13   | 53,0 | 30 | 19,0 |
| 1"  | 15   | 66,0 | 36 | 17,0 |

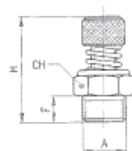


7030 1/4



7050 1/4

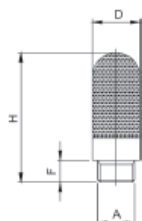
## 7050 – Tłumik hałasu z regulacją przepływu



| A   | F    | Hmin | Hmax | CH | Δ    |
|-----|------|------|------|----|------|
| 1/8 | 6,0  | 26,0 | 28,0 | 13 | 37,6 |
| 1/4 | 8,0  | 30,0 | 32,0 | 15 | 40,0 |
| 3/8 | 10,0 | 35,0 | 38,0 | 18 | 42,0 |
| 1/2 | 11,0 | 36,0 | 39,0 | 22 | 41,0 |

Δ - Tłumienie akustyczne [db]

## 7100 – Tłumik hałasu (poliuretan porowaty)

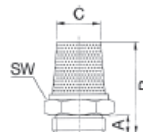


| A   | F    | H     | D    | Δ  |
|-----|------|-------|------|----|
| M5  | 4,0  | 23,0  | 6,5  | 20 |
| 1/8 | 6,0  | 34,0  | 12,5 | 20 |
| 1/4 | 7,0  | 42,5  | 15,5 | 20 |
| 3/8 | 11,5 | 67,5  | 18,5 | 20 |
| 1/2 | 11,0 | 78,0  | 23,5 | 20 |
| 3/4 | 15,5 | 140,0 | 38,5 | 20 |
| 1   | 19,5 | 160,0 | 49,0 | 20 |



7100 1/4

## Tłumik hałasu (spiek brązu)

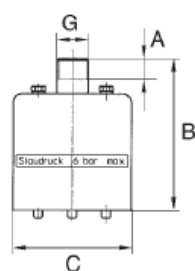


| Kod   | Gwint | SW | A    | B    | C    | Δ  |
|-------|-------|----|------|------|------|----|
| 568-1 | G 1/8 | -  | 5,5  | 21,0 | 8,0  | 80 |
| 568-2 | G 1/4 | -  | 8,5  | 27,0 | 10,0 | 80 |
| 568-3 | G 3/8 | -  | 11,0 | 36,0 | 15,0 | 80 |
| 568-4 | G 1/2 | -  | 11,0 | 43,0 | 19,0 | 80 |



568-2

## Tłumik puszkowy (stal)



| Kod   | Gwint   | A  | B   | C   |
|-------|---------|----|-----|-----|
| 570-1 | G 1/2   | 14 | 103 | 81  |
| 570-2 | G 3/4   | 16 | 106 | 81  |
| 570-3 | G 1     | 18 | 134 | 109 |
| 570-4 | G 1 1/4 | 20 | 137 | 109 |
| 570-5 | 1 1/2   | 27 | 172 | 150 |
| 570-6 | G 2     | 27 | 172 | 150 |



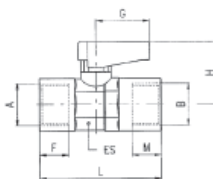
570-1

## Zawory kulowe serii „GHILUX” 6300

Materiał korpusu: mosiądz niklowany  
 Materiał kuli: mosiądz niklowany  
 Materiał ręczki: tworzywo sztuczne(PA66)  
 Uszczelnienie kuli: teflon(PTFE)  
 Uszczelnienie: NBR(na życzenie Viton)  
 Ciśnienie robocze: max.20 bar  
 Temperatura pracy: od -20°C do +80°C  
 Medium: sprężone powietrze, woda, olej

### 6300

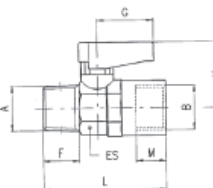
| A   | B   | DN  | ES    | F    | M    | L  | G  | H    |
|-----|-----|-----|-------|------|------|----|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7.4  | 7.4  | 36 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 11   | 11   | 43 | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 11.4 | 11.4 | 47 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 15   | 15   | 59 | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 16.3 | 16.3 | 67 | 26 | 33   |



6300 - 1/4 - 1/4

### 6310

| A   | B   | DN  | ES    | F    | M    | L    | G  | H    |
|-----|-----|-----|-------|------|------|------|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7.4  | 7.4  | 36   | 19 | 21   |
| 1/4 | 1/8 | 5.5 | 14-15 | 11   | 7.4  | 40.5 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 11   | 11   | 43   | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 11.4 | 11.4 | 46   | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 15   | 15   | 57   | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 16.3 | 16.3 | 63   | 26 | 33   |

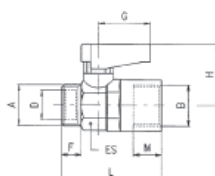


6310 - 1/4 - 1/4

### 6320



6320 - 1/4 - 1/4

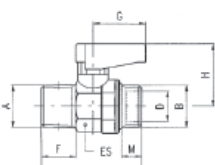


| A   | B   | DN  | ES    | F  | D    | M    | L    | G  | H    |
|-----|-----|-----|-------|----|------|------|------|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7  | 6.2  | 7.4  | 34.5 | 19 | 21   |
| 1/4 | 1/8 | 5.5 | 14-15 | 8  | 8.2  | 7.4  | 35.5 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 8  | 8.2  | 11   | 38   | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 9  | 10.2 | 11.4 | 41.5 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 10 | 15.2 | 15   | 50   | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 12 | 18.2 | 16.3 | 56.5 | 26 | 33   |

### 6330



6330 - 1/4 - 1/4



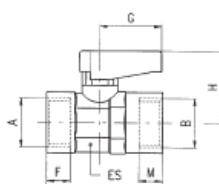
| A   | B   | DN  | ES    | F    | D    | M  | L    | G  | H    |
|-----|-----|-----|-------|------|------|----|------|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7.4  | 6.2  | 7  | 33.5 | 19 | 21   |
| 1/8 | 1/4 | 5.5 | 14-15 | 7.4  | 8.2  | 8  | 33.5 | 19 | 21   |
| 1/4 | 1/8 | 5.5 | 14-15 | 11   | 8.2  | 8  | 38   | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 11   | 6.2  | 7  | 38   | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 11.4 | 10.2 | 9  | 41.5 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 15   | 15.2 | 10 | 49   | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 16.3 | 18.2 | 12 | 55.5 | 26 | 33   |

## Zawory kulowe serii „GHILUX” 6400

Materiał korpusu: mosiądz niklowany  
 Materiał kuli: mosiądz niklowany  
 Materiał ręczki: tworzywo sztuczne(PA66)  
 Uszczelnienie kuli: teflon(PTFE)  
 Uszczelnienie: NBR(na życzenie Viton)  
 Ciśnienie robocze: max.20 bar  
 Temperatura pracy: od -20°C do +80°C  
 Medium: sprężone powietrze, woda, olej

### 6400

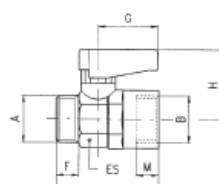
| A   | B   | DN  | ES    | F  | M  | L  | G  | H    |
|-----|-----|-----|-------|----|----|----|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7  | 7  | 35 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 8  | 8  | 37 | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 9  | 9  | 42 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 10 | 10 | 49 | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 12 | 12 | 58 | 26 | 33   |



6400 - 1/4 - 1/4

### 6410

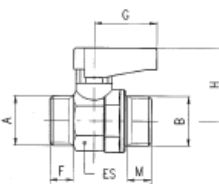
| A   | B   | DN  | ES    | F  | M  | L  | G  | H    |
|-----|-----|-----|-------|----|----|----|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7  | 7  | 34 | 19 | 21   |
| 1/4 | 1/8 | 5.5 | 14-15 | 8  | 7  | 35 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 8  | 8  | 35 | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 9  | 9  | 39 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 10 | 10 | 45 | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 12 | 12 | 52 | 26 | 33   |



6410 - 1/4 - 1/4

### 6420

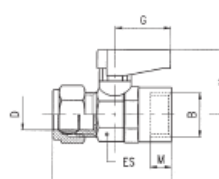
| A   | B   | DN  | ES    | F  | M  | L  | G  | H    |
|-----|-----|-----|-------|----|----|----|----|------|
| 1/8 | 1/8 | 5.5 | 14-15 | 7  | 7  | 32 | 19 | 21   |
| 1/8 | 1/4 | 5.5 | 14-15 | 7  | 8  | 32 | 19 | 21   |
| 1/4 | 1/4 | 5.5 | 14-15 | 8  | 8  | 33 | 19 | 21   |
| 3/8 | 1/4 | 5.5 | 14-15 | 9  | 8  | 33 | 19 | 21   |
| 3/8 | 3/8 | 8   | 18-19 | 9  | 9  | 37 | 19 | 22   |
| 1/2 | 3/8 | 8   | 18-19 | 10 | 9  | 37 | 19 | 22   |
| 1/2 | 1/2 | 10  | 22-23 | 10 | 10 | 42 | 26 | 30.5 |
| 3/4 | 1/2 | 10  | 22-23 | 12 | 10 | 42 | 26 | 30.5 |
| 3/4 | 3/4 | 14  | 28-30 | 12 | 12 | 49 | 26 | 33   |



6420 - 1/4 - 1/4

### 6430

| D  | B   | DN  | ES    | M  | L    | G  | H    |
|----|-----|-----|-------|----|------|----|------|
| 6  | 1/8 | 5.5 | 14-15 | 7  | 41   | 19 | 21   |
| 8  | 1/8 | 5.5 | 14-15 | 7  | 43   | 19 | 21   |
| 8  | 1/4 | 5.5 | 14-15 | 8  | 43   | 19 | 21   |
| 10 | 3/8 | 8   | 18-19 | 9  | 48   | 19 | 22   |
| 12 | 3/8 | 8   | 18-19 | 9  | 49   | 19 | 22   |
| 14 | 1/2 | 10  | 22-23 | 10 | 55.5 | 26 | 30.5 |
| 15 | 1/2 | 10  | 22-23 | 10 | 55.5 | 26 | 30.5 |
| 16 | 3/4 | 14  | 28-30 | 12 | 63.5 | 26 | 33   |
| 18 | 3/4 | 14  | 28-30 | 12 | 63.5 | 26 | 33   |



6430 - 8 - 1/4

FLUID AND MOTION CONTROL \* SENSORS & MEASUREMENT \* FILTRATION & FLUID MANAGEMENT

BTH HYDROTECHNIK 25-040 KIELCE UL. PAKOSZ 8 B

Tel./Fax.: +48 041 361 02 87 \* +48 519 100 688 \* [biuro@hydrotechnik.pl](mailto:biuro@hydrotechnik.pl) \*

[www.hydrotechnik.pl](http://www.hydrotechnik.pl)

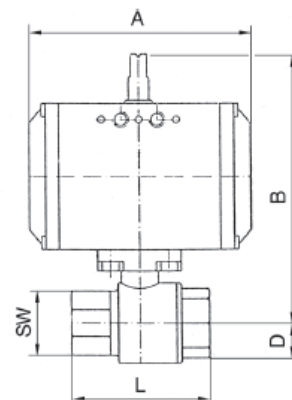
## Zawory kulowe sterowane pneumatycznie

### Napęd

Materiał: aluminium  
Uszczelnienia: NBR  
Kąt obrotu: 90°  
Temperatura robocza: od -20 °C do +95 °C  
Ciśnienie sterowania: 5,5 do 10 bar

### Zawór kulowy

Materiał: mosiądz niklowany  
Uszczelnienia: Teflon (PTFE) / VITON (FKM)  
Temperatura robocza: od -20 °C do +90 °C  
Ciśnienie robocze: max. 40 bar ( do DN32)  
max. 25 bar ( od DN40)  
Dokładne karty katalogowe: 11-2 (350.210 do 350.217)  
za wyjątkiem 350.210/1, 350.221/1, 350.212/1)  
11-3 (350.310 do 350.417)



### Zawory kulowe mosiężne z napędem pneumatycznym dwustronnego działania

| Kod       | Gwint Rp | DN | sw  | L   | A   | B   | D    |
|-----------|----------|----|-----|-----|-----|-----|------|
| 350.210   | 1/2      | 15 | 26  | 75  | 132 | 142 | 17,0 |
| 350.210/1 | 1/2      | 15 | 26  | 75  | 116 | 133 | 17,0 |
| 350.211   | 3/4      | 20 | 32  | 80  | 132 | 145 | 20,0 |
| 350.211/1 | 3/4      | 20 | 32  | 80  | 116 | 136 | 20,0 |
| 350.212   | 1        | 25 | 41  | 90  | 132 | 148 | 25,0 |
| 350.212/1 | 1        | 25 | 41  | 90  | 116 | 139 | 25,0 |
| 350.213   | 1 1/4    | 32 | 50  | 110 | 132 | 159 | 30,0 |
| 350.214   | 1 1/2    | 40 | 55  | 120 | 132 | 166 | 36,0 |
| 350.215   | 2        | 50 | 70  | 140 | 137 | 191 | 45,0 |
| 350.216   | 2 1/2    | 65 | 85  | 143 | 161 | 213 | 57,0 |
| 350.217   | 3        | 80 | 105 | 188 | 161 | 224 | 68,0 |

### Zawory kulowe mosiężne z napędem pneumatycznym jednostronnego działania NC

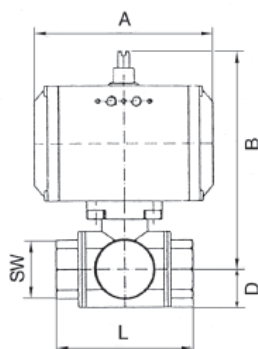
| Kod       | Gwint Rp | DN | sw  | L   | A   | B   | D    |
|-----------|----------|----|-----|-----|-----|-----|------|
| 350.310   | 1/2      | 15 | 26  | 75  | 132 | 142 | 17,0 |
| 350.310/1 | 1/2      | 15 | 26  | 75  | 116 | 133 | 17,0 |
| 350.311   | 3/4      | 20 | 32  | 80  | 132 | 145 | 20,0 |
| 350.311/1 | 3/4      | 20 | 32  | 80  | 116 | 136 | 20,0 |
| 350.312   | 1        | 25 | 41  | 90  | 132 | 148 | 25,0 |
| 350.313   | 1 1/4    | 32 | 50  | 110 | 137 | 173 | 30,0 |
| 350.314   | 1 1/2    | 40 | 55  | 120 | 137 | 180 | 36,0 |
| 350.315   | 2        | 50 | 70  | 140 | 161 | 203 | 45,0 |
| 350.316   | 2 1/2    | 65 | 85  | 143 | 161 | 213 | 57,0 |
| 350.317   | 3        | 80 | 105 | 188 | 182 | 233 | 68,0 |



350.212

### Zawory kulowe mosiężne z napędem pneumatycznym jednostronnego działania NO

| Kod       | Gwint Rp | DN | sw  | L   | A   | B   | D    |
|-----------|----------|----|-----|-----|-----|-----|------|
| 350.410   | 1/2      | 15 | 26  | 75  | 132 | 142 | 17,0 |
| 350.410/1 | 1/2      | 15 | 26  | 75  | 116 | 133 | 17,0 |
| 350.411   | 3/4      | 20 | 32  | 80  | 132 | 145 | 20,0 |
| 350.412   | 1        | 25 | 41  | 90  | 132 | 148 | 25,0 |
| 350.413   | 1 1/4    | 32 | 50  | 110 | 132 | 159 | 30,0 |
| 350.414   | 1 1/2    | 40 | 55  | 120 | 137 | 180 | 36,0 |
| 350.415   | 2        | 50 | 70  | 140 | 161 | 203 | 45,0 |
| 350.416   | 2 1/2    | 65 | 85  | 143 | 161 | 213 | 57,0 |
| 350.417   | 3        | 80 | 105 | 188 | 182 | 233 | 68,0 |



## Zawory kulowe sterowane pneumatycznie 3-drożne typu „L” i „T”

**Napęd**  
**Materiał:** aluminium  
**Uszczelnienia:** NBR  
**Kąt obrotu:** 90°  
**Temperatura robocza:** od -20 °C do +95 °C  
**Ciśnienie sterowania:** 5,5 do 10 bar

**Zawór kulowy**  
**Materiał:** mosiądz niklowany  
**Uszczelnienia:** Teflon (PTFE) / VITON (FKM)  
**Temperatura robocza:** od -20 °C do +90 °C  
**Dokładne karty katalogowe:** 11-6 (350.610/1 do 350.714)

### Zawory kulowe 3-drożne mosiężne z napędem pneumatycznym dwustronnego działania, typu „L”

| Kod       | Gwint | Typ | DN | PN     | sw | L   | A   | B   | D    |
|-----------|-------|-----|----|--------|----|-----|-----|-----|------|
| 350.610/1 | 1/2   | L   | 15 | 30 bar | 27 | 77  | 116 | 128 | 19,5 |
| 350.611   | 3/4   | L   | 20 | 30 bar | 32 | 87  | 132 | 146 | 24,0 |
| 350.612   | 1     | L   | 25 | 16 bar | 41 | 105 | 137 | 165 | 30,0 |
| 350.613   | 1 1/4 | L   | 32 | 16 bar | 50 | 123 | 137 | 178 | 36,0 |
| 350.614   | 1 1/2 | L   | 40 | 10 bar | 55 | 139 | 161 | 204 | 43,0 |
| 350.615   | 2     | L   | 50 | 10 bar | 70 | 166 | 161 | 215 | 56,0 |



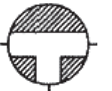
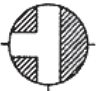
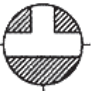
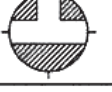
350.712

### Zawory kulowe 3-drożne mosiężne z napędem pneumatycznym jednostronnego działania, typu „L”

| Kod     | Gwint | Typ | DN | PN     | sw | L   | A   | B   | D    |
|---------|-------|-----|----|--------|----|-----|-----|-----|------|
| 350.710 | 1/2   | L   | 15 | 30 bar | 27 | 77  | 132 | 137 | 19,5 |
| 350.712 | 1     | L   | 25 | 16 bar | 41 | 105 | 161 | 177 | 30,0 |
| 350.714 | 1 1/2 | L   | 40 | 10 bar | 55 | 139 | 180 | 212 | 43,0 |

### Zawory kulowe 3-drożne mosiężne z napędem pneumatycznym dwustronnego działania, typu „T”, pozycja normalna T3

| Kod        | Gwint | Typ | DN | PN     | sw | L   | A   | B   | D    |
|------------|-------|-----|----|--------|----|-----|-----|-----|------|
| 350.722-T3 | 1/2   | T 3 | 15 | 30 bar | 27 | 77  | 132 | 138 | 18,5 |
| 350.723-T3 | 3/4   | T 3 | 20 | 30 bar | 32 | 88  | 132 | 146 | 24,0 |
| 350.724-T3 | 1     | T 3 | 25 | 16 bar | 41 | 105 | 137 | 166 | 30,0 |
| 350.725-T3 | 1 1/4 | T 3 | 32 | 16 bar | 50 | 123 | 161 | 190 | 36,0 |
| 350.726-T3 | 1 1/2 | T 3 | 40 | 10 bar | 55 | 139 | 161 | 202 | 43,0 |
| 350.727-T3 | 2     | T 3 | 50 | 10 bar | 70 | 167 | 209 | 231 | 56,0 |

| Typ     |     | T                                                                                   |                                                                                      |                                                                                       |                                                                                       | L |
|---------|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---|
| Pozycja | 0°  |  |  |  |  |   |
|         | 90° |  |  |  |  |   |
|         |     | T 1                                                                                 | T 2                                                                                  | T 3                                                                                   | L 4                                                                                   |   |

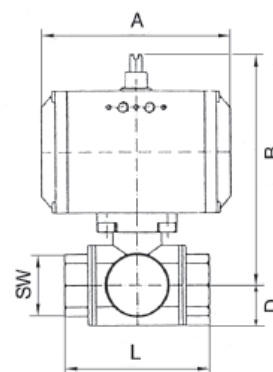
## Zawory kulowe nierdzewne sterowane pneumatycznie

### 3-elementowe

**Napęd**  
**Materiał:** aluminium  
**Uszczelnienia:** NBR  
**Kąt obrotu:** 90°  
**Temperatura robocza:** od -20 °C do +95 °C  
**Ciśnienie sterowania:** 5,5 do 10 bar

**Zawór kulowy**  
**Materiał:** stal nierdzewna 1.4401  
**Uszczelnienia:** Teflon (PTFE)  
**Temperatura robocza:** od -20 °C do +90 °C  
**Ciśnienie robocze:** max. 63 bar (do DN32)  
max. 40 bar (od DN40)

**Dokładne karty katalogowe:** 11-4 (350.510 do 350.515)  
za wyjątkiem : 350.510/1, 350.511/1, 350.516, 350.517)  
11-5 (350.520 do 350.527)  
za wyjątkiem : 350.520/1, 350.526, 350.527)

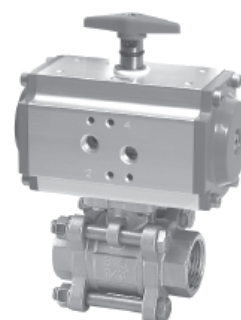


### Zawory kulowe nierdzewne z napędem pneumatycznym dwustronnego działania

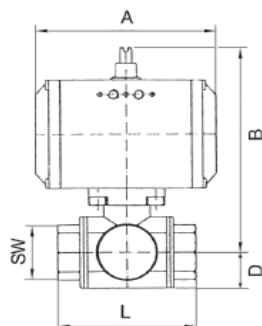
| Kod       | Gwint | DN | SW  | L   | A   | B   | D    |
|-----------|-------|----|-----|-----|-----|-----|------|
| 350.510   | 1/2   | 15 | 28  | 70  | 132 | 140 | 24,0 |
| 350.510/1 | 1/2   | 15 | 28  | 70  | 116 | 131 | 24,0 |
| 350.511   | 3/4   | 20 | 35  | 77  | 132 | 141 | 27,0 |
| 350.511/1 | 3/4   | 20 | 35  | 77  | 116 | 135 | 27,0 |
| 350.512   | 1     | 25 | 40  | 92  | 132 | 151 | 33,0 |
| 350.512/1 | 1     | 25 | 41  | 92  | 116 | 142 | 33,0 |
| 350.513   | 1 1/4 | 32 | 50  | 106 | 137 | 169 | 37,0 |
| 350.514   | 1 1/2 | 40 | 57  | 120 | 137 | 178 | 40,0 |
| 350.515   | 2     | 50 | 72  | 140 | 161 | 199 | 50,0 |
| 350.516   | 2 1/2 | 65 | 90  | 185 | 209 | 257 | 60,0 |
| 350.517   | 3     | 80 | 100 | 205 | 222 | 290 | 67,0 |

### Zawory kulowe nierdzewne z napędem pneumatycznym jednostronnego działania NC

| Kod       | Gwint | DN | SW  | L   | A   | B   | D    |
|-----------|-------|----|-----|-----|-----|-----|------|
| 350.520   | 1/2   | 15 | 28  | 70  | 132 | 140 | 24,0 |
| 350.520/1 | 1/2   | 15 | 28  | 70  | 116 | 131 | 24,0 |
| 350.521   | 3/4   | 20 | 35  | 77  | 132 | 144 | 27,0 |
| 350.522   | 1     | 25 | 40  | 92  | 132 | 151 | 33,0 |
| 350.523   | 1 1/4 | 32 | 50  | 106 | 137 | 169 | 37,0 |
| 350.524   | 1 1/2 | 40 | 57  | 120 | 161 | 190 | 40,0 |
| 350.525   | 2     | 50 | 72  | 140 | 180 | 207 | 50,0 |
| 350.526   | 2 1/2 | 65 | 90  | 185 | 222 | 280 | 60,0 |
| 350.527   | 3     | 80 | 100 | 205 | 294 | 290 | 67,0 |



350.522



350.635-L1

## Zawory kulowe nierdzewne sterowane pneumatycznie 3-drożne typu „L” i „T”

Napęd:  
Materiał: aluminium  
Uszczelnienia: NBR  
Kąt obrotu: 90°  
Temperatura robocza: od -20 °C do +95 °C  
Ciśnienie sterowania: 5,5 do 10 bar

Zawór kulowy  
Materiał: stal nierdzewna 1.4401  
Uszczelnienia: Teflon (PTFE) / VITON (FKM)  
Temperatura robocza: od -25 °C do +90 °C  
Ciśnienie robocze: max. 60 bar (zależne od temperatury roboczej i gwintu przyłącza)  
Dokładne karty katalogowe: 11-37 (350.622-L1, 350.632-L1)  
11-38 (350.912- T1/T2)

### Zawory kulowe 3-drożne nierdzewne z napędem pneumatycznym dwustronnego działania, typu „L”

| Kod        | Gwint Rp | Typ | DN   | sw | L   | A   | B   | D  |
|------------|----------|-----|------|----|-----|-----|-----|----|
| 350.622-L1 | 1/2      | L 1 | 12,7 | 27 | 80  | 132 | 140 | 18 |
| 350.623-L1 | 3/4      | L 1 | 16,0 | 32 | 88  | 132 | 145 | 24 |
| 350.624-L1 | 1        | L 1 | 20,0 | 41 | 100 | 137 | 163 | 27 |
| 350.625-L1 | 1 1/4    | L 1 | 25,0 | 50 | 123 | 161 | 181 | 34 |
| 350.626-L1 | 1 1/2    | L 1 | 32,0 | 58 | 142 | 161 | 186 | 39 |
| 350.627-L1 | 2        | L 1 | 38,0 | 71 | 170 | 161 | 196 | 49 |

### Zawory kulowe 3-drogowe nierdzewne z napędem pneumatycznym jednostronnego działania, typu „L”

| Kod        | Gwint Rp | Typ | DN   | sw | L   | A   | B   | D  |
|------------|----------|-----|------|----|-----|-----|-----|----|
| 350.632-L1 | 1/2      | L 1 | 12,7 | 27 | 80  | 132 | 140 | 18 |
| 350.633-L1 | 3/4      | L 1 | 16,0 | 32 | 88  | 132 | 145 | 24 |
| 350.634-L1 | 1        | L 1 | 20,0 | 41 | 100 | 137 | 163 | 27 |
| 350.635-L1 | 1 1/4    | L 1 | 25,0 | 50 | 123 | 161 | 181 | 34 |
| 350.636-L1 | 1 1/2    | L 1 | 32,0 | 58 | 142 | 161 | 186 | 39 |
| 350.637-L1 | 2        | L 1 | 38,0 | 71 | 170 | 209 | 213 | 49 |

### Zawory kulowe 3-drogowe nierdzewne z napędem pneumatycznym dwustronnego działania, typu „T”, pozycja normalna T1

| Kod        | Gwint Rp | Typ | DN   | sw | L   | A   | B   | D  |
|------------|----------|-----|------|----|-----|-----|-----|----|
| 350.912-T1 | 1/2      | T 1 | 12,7 | 27 | 80  | 132 | 140 | 18 |
| 350.913-T1 | 3/4      | T 1 | 16,0 | 32 | 88  | 132 | 145 | 24 |
| 350.914-T1 | 1        | T 1 | 20,0 | 41 | 100 | 137 | 163 | 27 |
| 350.915-T1 | 1 1/4    | T 1 | 25,0 | 50 | 123 | 161 | 181 | 34 |
| 350.916-T1 | 1 1/2    | T 1 | 32,0 | 58 | 142 | 161 | 186 | 39 |
| 350.917-T1 | 2        | T 1 | 38,0 | 71 | 170 | 161 | 196 | 49 |

| Typ     |     | T                                                                                   |                                                                                      |                                                                                       | L                                                                                     |
|---------|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Pozycja | 0°  |  |  |  |  |
|         | 90° |  |  |  |  |
|         |     | T 1                                                                                 | T 2                                                                                  | T 3                                                                                   | L 4                                                                                   |

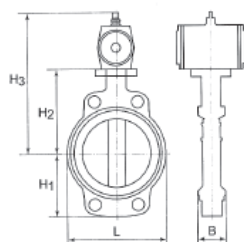
## Zawory klapowe sterowane pneumatycznie

### Napęd

Materiał: aluminium  
Uszczelnienia: NBR  
Kąt obrotu: 90°  
Temperatura robocza: od -20 °C do +95 °C  
Ciśnienie sterowania: 5,5 do 10 bar

### Zawór

Materiał korpusu: GGG40 (JS1030)  
Uszczelnienia: EPDM  
Materiał przepustnicy: Stal nierdzewna 1.4202 (AISI 420)  
Temperatura robocza: od -30 °C do +120 °C  
Ciśnienie robocze: max. 16 bar  
Medium: neutralne gazy i ciecze o maksymalnej lepkości 120 mm<sup>2</sup>/s  
Pozycja montażu: dowolna



350.4065

### Dwustronnego działania

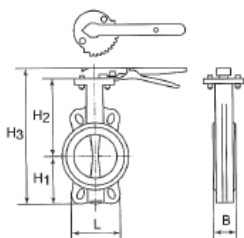
| Nr kat.  | DN  | H1  | H2  | H3  | L   | B  |
|----------|-----|-----|-----|-----|-----|----|
| 350.4040 | 40  | 71  | 125 | 229 | 91  | 34 |
| 350.4050 | 50  | 78  | 140 | 244 | 105 | 44 |
| 350.4065 | 65  | 84  | 152 | 270 | 124 | 48 |
| 350.4080 | 80  | 95  | 159 | 277 | 137 | 48 |
| 350.4100 | 100 | 108 | 178 | 308 | 175 | 54 |
| 350.4125 | 125 | 125 | 190 | 325 | 197 | 57 |
| 350.4150 | 150 | 141 | 203 | 350 | 222 | 57 |

### Jednostronnego działania, NC

| Nr kat.  | DN  | H1  | H2  | H3  | L   | B  |
|----------|-----|-----|-----|-----|-----|----|
| 350.5040 | 40  | 71  | 125 | 229 | 91  | 34 |
| 350.5050 | 50  | 78  | 140 | 270 | 105 | 44 |
| 350.5065 | 65  | 84  | 152 | 290 | 124 | 48 |
| 350.5080 | 80  | 95  | 159 | 297 | 137 | 48 |
| 350.5100 | 100 | 108 | 178 | 325 | 175 | 54 |
| 350.5125 | 125 | 125 | 190 | 360 | 197 | 57 |
| 350.5150 | 150 | 141 | 203 | 373 | 222 | 57 |

## Zawory klapowe sterowane ręcznie

Materiał korpusu: GGG40 (JS1030)  
Uszczelnienia: EPDM  
Temperatura robocza: od -30 °C do +120 °C  
Medium: neutralne gazy i ciecze o maksymalnej lepkości 120 mm<sup>2</sup>/s  
Pozycja montażu: dowolna



350.6065

### Sterowanie ręczne

| Nr kat.  | DN  | H1  | H2  | H3  | L   | B  |
|----------|-----|-----|-----|-----|-----|----|
| 350.6040 | 40  | 71  | 125 | 223 | 91  | 34 |
| 350.6050 | 50  | 78  | 140 | 245 | 105 | 44 |
| 350.6065 | 65  | 84  | 152 | 263 | 124 | 48 |
| 350.6080 | 80  | 95  | 159 | 281 | 137 | 48 |
| 350.6100 | 100 | 108 | 178 | 313 | 175 | 54 |
| 350.6125 | 125 | 125 | 190 | 342 | 197 | 57 |
| 350.6150 | 150 | 141 | 203 | 371 | 222 | 57 |

## Pozycjoner do zaworów kulowych

**Pozycjoner do zaworów kulowych sterowanych pneumatycznie (również do zaworów 3-drogowych typu „L” i „T”!!!)**

- przeznaczony do pracy ciągłej, wykonany z aluminium
- uniwersalne przyłącze NAMUR 80x30 oraz 130x30
- dzięki wysokim stopom montażowym możliwość dostosowania do większości typów napędów
- wizualny wskaźnik ON/OFF widoczny nawet z dużej odległości
- łatwy w montażu i demontażu

### Dane techniczne

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| Materiał:            | wysokiej jakości tworzywa techniczne (Lexan 143 R, Delrin, polyamid, Bayblend T 45) |
| Uszczelnienia:       | NBR                                                                                 |
| Stopień ochrony:     | IP67, VDE 0470/EN 60529                                                             |
| Temperatura robocza: | od -20 °C do +70 °C                                                                 |
| Zakres uchwytów:     | 7 do 13 mm                                                                          |
| Przewód elektryczny: | Ø7 do 13 mm, max. 2,5 mm <sup>2</sup>                                               |

### Pozycjoner – wersja z mikrostykami

|                  |                       |
|------------------|-----------------------|
| Zakres napięcia: | 4V/DC do 250V/AC      |
| Natężenie prądu: | 1 mA do 5 A           |
| Funkcje styków:  | kontaktowe, pozłacane |

Kod

**350.911** Pozycjoner – wersja z mikrostykami

### Pozycjoner – wersja z czujnikiem indukcyjnym

|                  |                                                |
|------------------|------------------------------------------------|
| Zakres napięcia: | 9 V/DC do 36 V/DC                              |
| Stałe natężenie: | 200 mA                                         |
| Funkcje styków:  | PNP NO, zwarte lub rozwarne w skrajnej pozycji |

Kod

**350.912** Pozycjoner – wersja z czujnikiem indukcyjnym

**Pozycjoner do zaworów kulowych sterowanych pneumatycznie (również do zaworów 3-drogowych typu „L” i „T”!!!)**

- przeznaczony do pracy ciągłej, wykonany z aluminium
- uniwersalne przyłącze NAMUR 80x30 oraz 130x30
- dzięki wysokim stopom montażowym możliwość dostosowania do większości typów napędów
- wizualny wskaźnik ON/OFF widoczny nawet z dużej odległości
- łatwy w montażu i demontażu

### Dane techniczne

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| Materiał:            | aluminium pokryte żywicą syntetyczną (Makrolon polyamid, Bayblend T 45) |
| Stopień ochrony:     | IP66                                                                    |
| Temperatura robocza: | od -20 °C do +70 °C                                                     |
| Zakres uchwytów:     | 7 do 13 mm                                                              |
| Przewód elektryczny: | Ø7 do 13 mm, max. 2,5 mm <sup>2</sup>                                   |

### Pozycjoner – wersja z mikrostykami

|                  |                                           |
|------------------|-------------------------------------------|
| Zakres napięcia: | 250 V/AC                                  |
| Natężenie prądu: | 16 A                                      |
| Funkcje styków:  | kontaktowe, pokryte metalami szlachetnymi |

Kod

**350.930** Pozycjoner – wersja z mikrostykami



350.912



350.930

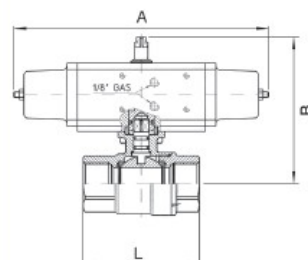
## Zawory kulowe sterowane pneumatycznie serii „ECONO”

### Napęd

Materiał: aluminium  
 Uszczelnienia: NBR  
 Kąt obrotu: 90°  
 Temperatura robocza: od -20 °C do +80 °C  
 Ciśnienie sterowania: 5,6 bar

### Zawór kulowy

Materiał: mosiądz niklowany  
 Uszczelnienia: Teflon (PTFE) / VITON (FKM)  
 Temperatura robocza: od -20 °C do +150 °C  
 Ciśnienie robocze: max. 16 bar  
 Dokładne karty katalogowe: 11-20 (351.209 do 351.215)  
 11-21 (351.309 do 351.315)



### Zawory kulowe mosiężne z napędem pneumatycznym dwustronnego działania

| Kod     | Gwint | DN | L   | A   | B   |
|---------|-------|----|-----|-----|-----|
| 351.209 | 3/8   | 10 | 69  | 70  | 85  |
| 351.210 | 1/2   | 15 | 69  | 70  | 88  |
| 351.211 | 3/4   | 20 | 77  | 70  | 94  |
| 351.212 | 1     | 25 | 89  | 70  | 98  |
| 351.213 | 1 1/4 | 32 | 103 | 114 | 123 |
| 351.214 | 1 1/2 | 40 | 114 | 114 | 130 |
| 351.215 | 2     | 50 | 134 | 130 | 145 |



351.212

### Zawory kulowe mosiężne z napędem pneumatycznym jednostronnego działania NC

| Kod     | Gwint | DN | L   | A   | B   |
|---------|-------|----|-----|-----|-----|
| 351.309 | 3/8   | 10 | 69  | 221 | 107 |
| 351.310 | 1/2   | 15 | 69  | 221 | 110 |
| 351.311 | 3/4   | 20 | 77  | 221 | 117 |
| 351.312 | 1     | 25 | 89  | 221 | 121 |
| 351.313 | 1 1/4 | 32 | 103 | 221 | 131 |
| 351.314 | 1 1/2 | 40 | 114 | 221 | 138 |
| 351.315 | 2     | 50 | 134 | 240 | 155 |



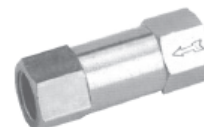
351.312

## Zawory zwrotne

Materiał: mosiądz niklowany  
 Uszczelnienia: NBR  
 Ciśnienie otwarcia: 0,2 bar  
 Ciśnienie robocze: 2 - 8 bar  
 Temperatura pracy: -20 °C do +80 °C

### 6062 - Zawory zwrotne z mosiądzu niklowanego, przyłącze gwintowane

| A   | B   | L    | CH |
|-----|-----|------|----|
| M5  | 5,5 | 26,5 | 8  |
| 1/8 | 8,5 | 35,5 | 13 |
| 1/4 | 11  | 43   | 17 |
| 3/8 | 12  | 58   | 24 |
| 1/2 | 15  | 63   | 24 |



6062-1/4

### 6064 - Zawory zwrotne z mosiądzu niklowanego, ze złączkami wtykowymi

| Średnica przewodu | L    | B    |
|-------------------|------|------|
| 4                 | 44,5 | 10   |
| 6                 | 52   | 12,5 |
| 8                 | 56   | 14   |



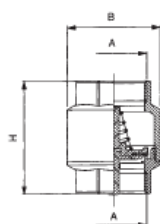
6064-6



228.22

### Miniaturowe zawory zwrotne z mosiądzu niklowanego

| Kod    | Gwint | SW | Długość | Ciśnienie otwarcia |
|--------|-------|----|---------|--------------------|
| 228.11 | G 1/8 | 14 | 26      | 0,2                |
| 228.22 | G 1/4 | 17 | 32      | 0,2                |



6036 1/2

### 6036

Materiał: mosiądz  
 Tłok: tworzywo sztuczne  
 Uszczelnienia: NBR  
 Sprężyna: stal nierdzewna  
 Temperatura pracy: -20 °C do +110 °C  
 Ciśnienie robocze: max. 0,99 - 15 bar  
 Medium: sprężone powietrze, woda, olej

| A     | H    | B    |
|-------|------|------|
| 1/2   | 49   | 34.5 |
| 3/4   | 53.5 | 42.5 |
| 1     | 58.5 | 47.5 |
| 1 1/4 | 66.5 | 60   |
| 1 1/2 | 72   | 69   |
| 2     | 77   | 85   |