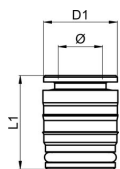


## Złączki wtykowe "Push-In" - Mosiądz niklowany Seria PI



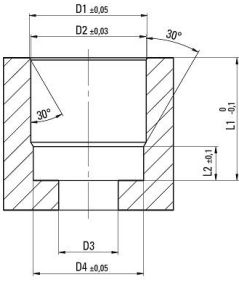
|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Konstrukcja              | Złączka wtykowa z O-ringiem i szczypcami zaciskowymi do łączenia węży z tworzywa sztucznego       |
| Przylącze                | R1/8" ... R3/4" wg ISO7/1 Gwint powlekany PTFE, G1/8" ... G3/4" wg ISO228/1, M3...M5 wg ISO R/262 |
| Średnica zewnętrzna rury | 3...16mm                                                                                          |
| Materiały                | Korpus Mosiądz niklowany, Tuleja zaciskowa Stal nierdzewna 1.4310, Uszczelnienia NBR              |
| zalecane Materiały rur   | Poliamid (PA), Poliuretan (CP/PU), Polietylen (PE), PTFE (PT)                                     |
| Tolerancje rur           | +/- 0,07mm do średnicy 10mm, +/- 0,1mm od Średnica 12mm                                           |
| Medium                   | Sprężone powietrze, gazy obojętne                                                                 |
| Temperatura medium       | -20...80°C                                                                                        |
| Ciśnienie robocze        | -0,99...20bar, zależnie od maksymalnego ciśnienia zastosowanej rury                               |
| Wykonanie specjalne      | O-ring z FKM -20...150°C, chemicznie niklowany, NSF, FDA na zapytanie                             |

### PI10 Wkładka wciskana możliwa do zastosowania dla obudowy z tworzywa sztucznego, mosiądzu lub aluminium

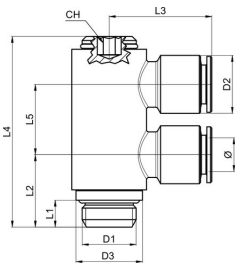
|  | Ø  | D1   | L1   | Masa [g] | Typ       |
|-------------------------------------------------------------------------------------|----|------|------|----------|-----------|
|                                                                                     | 4  | 9,3  | 14,5 | 3,6      | PI10-04-N |
|                                                                                     | 6  | 11,5 | 16,5 | 5,7      | PI10-06-N |
|                                                                                     | 8  | 13,7 | 17   | 7,9      | PI10-08-N |
|                                                                                     | 10 | 15,8 | 19   | 10,3     | PI10-10-N |



## PI10 Szkic dla gniazda wciskanego

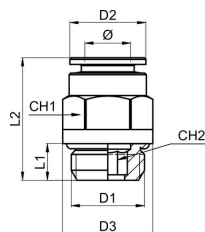
|  | Ø  | D1   | D2   | D3 | D4   | L1   | L2  | Typ       |
|-----------------------------------------------------------------------------------|----|------|------|----|------|------|-----|-----------|
|                                                                                   | 4  | 9,5  | 9,2  | 3  | 8,6  | 12   | 3,2 | PI10-04-N |
|                                                                                   | 6  | 11,7 | 11,4 | 5  | 10,8 | 14   | 4   | PI10-06-N |
|                                                                                   | 8  | 13,9 | 13,6 | 7  | 13   | 14,5 | 4   | PI10-08-N |
|                                                                                   | 10 | 16   | 15,7 | 9  | 15,1 | 16   | 4   | PI10-10-N |
|                                                                                   |    |      |      |    |      |      |     |           |

## PI11-360 Obrotowa złączka kątowa wkręcana - z dwoma pierścieniami L-Ringstüčkymi

|  | Ø | D1     | D2  | D3 | L1  | L2   | L3   | L4   | L5 | CH | Masa [g] | Typ                |
|-----------------------------------------------------------------------------------|---|--------|-----|----|-----|------|------|------|----|----|----------|--------------------|
|                                                                                   | 4 | M5x0,8 | 9   | 10 | 4   | 11   | 18,5 | 29,2 | 10 | 3  | 18,5     | PI11-04-M5-N-0-360 |
|                                                                                   | 4 | G1/8"  | 9,1 | 14 | 5   | 15   | 20,5 | 40,4 | 15 | 4  | 40       | PI11-04-18-N-0-360 |
|                                                                                   | 6 | G1/8"  | 12  | 14 | 5   | 15   | 22,5 | 40,4 | 15 | 4  | 46       | PI11-06-18-N-0-360 |
|                                                                                   | 6 | G1/4"  | 12  | 18 | 6,5 | 17,5 | 24   | 46,1 | 17 | 5  | 69,5     | PI11-06-14-N-0-360 |
|                                                                                   | 8 | G1/8"  | 14  | 14 | 5   | 15   | 23,5 | 40,4 | 15 | 4  | 50       | PI11-08-18-N-0-360 |
|                                                                                   | 8 | G1/4"  | 14  | 18 | 6,5 | 17,5 | 24,5 | 46   | 17 | 5  | 69,5     | PI11-08-14-N-0-360 |
|                                                                                   |   |        |     |    |     |      |      |      |    |    |          |                    |



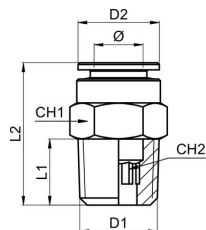
## PI12 Prosta Złączka wkręcana - Gwint cylindryczny



| Ø  | D1       | D2 | D3   | L1  | L2   | CH1 | CH2 | Masa [g] | Typ                  |
|----|----------|----|------|-----|------|-----|-----|----------|----------------------|
| 3  | M3x0,5   | 7  | 5,6  | 3   | 14,5 | -   | 1,5 | 1,4      | PI12-03-M3-N-0       |
| 3  | M5x0,8   | 7  | 8    | 4   | 15   | -   | 2   | 2,3      | PI12-03-M5-N-0       |
| 4  | M5x0,8   | 9  | 8    | 4   | 19   | -   | 2,5 | 4,4      | PI12-04-M5-N-0       |
| 4  | M6x1     | 9  | 9    | 4,5 | 19,5 | -   | 3   | 4,3      | PI12-04-M6-N-0       |
| 4  | G1/8"    | 9  | 13   | 5   | 16,5 | 9   | 3   | 6,1      | PI12-04-18-N-0       |
| 4  | G1/4"    | 9  | 16   | 6,5 | 18,5 | 9   | 3   | 12       | PI12-04-14-N-0       |
| 6  | M5x0,8   | 12 | 8    | 4   | 22   | -   | 2,5 | 8,6      | PI12-06-M5-N-0       |
| 6  | M6x1     | 12 | 9    | 4,5 | 22,5 | -   | 3   | 8,9      | PI12-06-M6-N-0       |
| 6  | M12x1,25 | 12 | 15   | 6,5 | 21   | 12  | 4   | 11,8     | PI12-06-M12X1,25-N-0 |
| 6  | M12x1,5  | 12 | 15   | 6,5 | 21   | 12  | 4   | 12,9     | PI12-06-M12X1,5-N-0  |
| 6  | G1/8"    | 12 | 13,5 | 5   | 19,5 | 12  | 4   | 9,1      | PI12-06-18-N-0       |
| 6  | G1/4"    | 12 | 16   | 6,5 | 19,5 | 12  | 4   | 12,7     | PI12-06-14-N-0       |
| 6  | G3/8"    | 12 | 20   | 7   | 20,5 | 12  | 4   | -        | PI12-06-38-N-0       |
| 6  | G1/2"    | 12 | 25   | 8,5 | 22,5 | 12  | 4   | -        | PI12-06-12-N-0       |
| 8  | G1/8"    | 14 | 14,5 | 5   | 23,5 | 13  | 6   | 11,5     | PI12-08-18-N-0       |
| 8  | G1/4"    | 14 | 16   | 6,5 | 21,5 | 14  | 6   | 13,9     | PI12-08-14-N-0       |
| 8  | G3/8"    | 14 | 20   | 7   | 21   | 14  | 6   | 20,1     | PI12-08-38-N-0       |
| 8  | G1/2"    | 14 | 25   | 8,5 | 23   | 14  | 6   | 34,3     | PI12-08-12-N-0       |
| 10 | G1/8"    | 16 | 13   | 5   | 26,5 | 15  | 8   |          | PI12-10-18-N-0-YA    |
| 10 | G1/4"    | 16 | 16,5 | 6,5 | 27,5 | 15  | 8   | 17,5     | PI12-10-14-N-0       |
| 10 | G3/8"    | 16 | 20   | 7   | 25   | 16  | 8   | 22,6     | PI12-10-38-N-0       |
| 10 | G1/2"    | 16 | 25   | 8,5 | 25,5 | 16  | 8   | 34,5     | PI12-10-12-N-0       |
| 12 | G1/4"    | 19 | 21   | 6,5 | 28,5 | 19  | 8   | 26,2     | PI12-12-14-N-0       |
| 12 | G3/8"    | 19 | 21   | 7   | 28,5 | 19  | 10  | 29       | PI12-12-38-N-0       |
| 12 | G1/2"    | 19 | 25   | 8,5 | 26,5 | 19  | 10  | 36,1     | PI12-12-12-N-0       |
| 14 | G3/8"    | 22 | 25   | 7   | 32   | 22  | 10  | 37,5     | PI12-14-38-N-0       |
| 14 | G1/2"    | 22 | 25   | 8,5 | 32   | 22  | 12  | 42,4     | PI12-14-12-N-0       |
| 16 | G1/2"    | 24 | 28   | 8,5 | 34,5 | 25  | 13  | 53,6     | PI12-16-12-N-0-YA    |
| 16 | G3/4"    | 24 | 28   | 9,5 | 32   | 24  | 13  | 68,2     | PI12-16-34-N-0       |

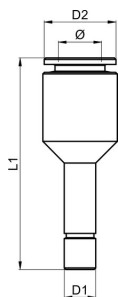


## PI12C Prosta Złączka wkręcana - Gwint stożkowy



| Ø  | D1    | D2 | L1   | L2   | CH1 | CH2 | Masa [g] | Typ                |
|----|-------|----|------|------|-----|-----|----------|--------------------|
| 4  | R1/8" | 9  | 7,5  | 16   | 10  | 3   | 5,5      | PI12C-04-18-N-T    |
| 4  | R1/4" | 9  | 11   | 20,5 | 14  | 3   | 16,1     | PI12C-04-14-N-T    |
| 6  | R1/8" | 12 | 7,5  | 21   | 12  | 4   | 8,7      | PI12C-06-18-N-T    |
| 6  | R1/4" | 12 | 11   | 20,5 | 14  | 4   | 15,8     | PI12C-06-14-N-T    |
| 6  | R3/8" | 12 | 11,5 | 21   | 17  | 4   | -        | PI12C-06-38-N-T-YA |
| 8  | R1/8" | 14 | 7,5  | 25   | 14  | 6   | 13,2     | PI12C-08-18-N-T    |
| 8  | R1/4" | 14 | 11   | 23,5 | 14  | 6   | 13,9     | PI12C-08-14-N-T    |
| 8  | R3/8" | 14 | 11,5 | 22,5 | 17  | 6   | 23,6     | PI12C-08-38-N-T    |
| 8  | R1/2" | 14 | 14   | 25   | 22  | 6   | -        | PI12C-08-12-N-T    |
| 10 | R1/8" | 16 | 7,5  | 28   | 16  | 6   | -        | PI12C-10-18-N-T    |
| 10 | R1/4" | 16 | 11   | 30,5 | 16  | 8   | 20,2     | PI12C-10-14-N-T    |
| 10 | R3/8" | 16 | 11,5 | 24   | 17  | 8   | 20       | PI12C-10-38-N-T    |
| 10 | R1/2" | 16 | 14   | 27   | 22  | 8   | 47,5     | PI12C-10-12-N-T    |
| 12 | R1/4" | 19 | 11   | 32   | 19  | 8   | 28,5     | PI12C-12-14-N-T    |
| 12 | R3/8" | 19 | 11,5 | 27,5 | 19  | 10  | 24,1     | PI12C-12-38-N-T    |
| 12 | R1/2" | 19 | 14   | 27,5 | 22  | 10  | 42,3     | PI12C-12-12-N-T    |
| 14 | R3/8" | 22 | 11,5 | 35,5 | 22  | 10  | 40,1     | PI12C-14-38-N-T    |
| 14 | R1/2" | 22 | 14   | 32,5 | 22  | 12  | 39,5     | PI12C-14-12-N-T    |

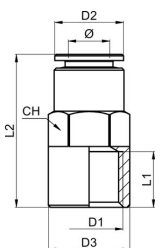
## PI12 Redukcja



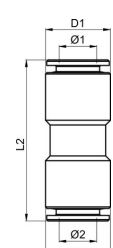
| Ø  | D1 | D2 | L1   | Masa [g] | Typ          |
|----|----|----|------|----------|--------------|
| 3  | 4  | 7  | 27   | 2,5      | PI12-03-04-N |
| 4  | 6  | 9  | 33,5 | 7        | PI12-04-06-N |
| 4  | 8  | 9  | 33,5 | 10       | PI12-04-08-N |
| 4  | 10 | 10 | 31,5 | 15       | PI12-04-10-N |
| 4  | 12 | 12 | 32,5 | 24,5     | PI12-04-12-N |
| 6  | 4  | 12 | 35,5 | 10       | PI12-06-04-N |
| 6  | 8  | 12 | 35   | 11,5     | PI12-06-08-N |
| 6  | 10 | 12 | 36,5 | 16,5     | PI12-06-10-N |
| 6  | 12 | 12 | 35,5 | 22,2     | PI12-06-12-N |
| 6  | 14 | 14 | 37,5 | 25       | PI12-06-14-N |
| 8  | 6  | 14 | 39,5 | 13,5     | PI12-08-06-N |
| 8  | 10 | 14 | 37   | 15       | PI12-08-10-N |
| 8  | 12 | 14 | 39   | 23       | PI12-08-12-N |
| 8  | 14 | 14 | 38,5 | 31,5     | PI12-08-14-N |
| 10 | 12 | 16 | 42   | 20       | PI12-10-12-N |
| 10 | 14 | 16 | 42   | 29,5     | PI12-10-14-N |
| 12 | 14 | 19 | 43   | 24       | PI12-12-14-N |
| 14 | 16 | 22 | 49,5 | 91,8     | PI12-14-16-N |



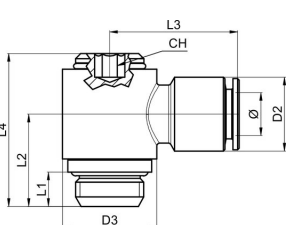
## PI13 Prosta Złączka wkręcana

|  | Ø  | D1    | D2   | D3   | L1   | L2   | CH | Masa [g] | Typ             |
|-----------------------------------------------------------------------------------|----|-------|------|------|------|------|----|----------|-----------------|
|                                                                                   | 4  | G1/8" | 9    | 13   | 7,5  | 23,5 | 9  | 10       | PI13-04-18-N    |
|                                                                                   | 6  | G1/8" | 12   | 14   | 7,5  | 26   | 12 | 15,1     | PI13-06-18-N    |
|                                                                                   | 6  | G1/4" | 12   | 16   | 11   | 30   | 12 | 18,5     | PI13-06-14-N    |
|                                                                                   | 8  | G1/8" | 14   | 13   | 7,5  | 26   | 14 | 17,5     | PI13-08-18-N    |
|                                                                                   | 8  | G1/4" | 14   | 16   | 11   | 30   | 14 | 20,2     | PI13-08-14-N    |
|                                                                                   | 8  | G3/8" | 14   | 20   | 12   | 31   | 14 | 25,9     | PI13-08-38-N    |
|                                                                                   | 10 | G1/4" | 16   | 16   | 11   | 32   | 16 | 24,4     | PI13-10-14-N    |
|                                                                                   | 10 | G3/8" | 16   | 20   | 12   | 33,5 | 16 | 30,3     | PI13-10-38-N    |
|                                                                                   | 10 | G1/2" | 16   | 25   | 13,5 | 36,5 | 16 | 45       | PI13-10-12-N    |
|                                                                                   | 12 | G3/8" | 19   | 23,1 | 11   | 34   | 20 | 38,3     | PI13-12-38-N-YA |
|                                                                                   | 12 | G1/2" | 18,8 | 25   | 11   | 37   | 19 | 50,9     | PI13-12-12-N-YA |

## PI13 Złączka prosta

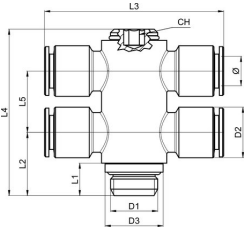
|  | Ø 1 | Ø 2 | D1  | D2  | L1   | Masa [g] | Typ             |
|------------------------------------------------------------------------------------|-----|-----|-----|-----|------|----------|-----------------|
|                                                                                    | 3   | 3   | 6,5 | 6,5 | 22,5 | 2,7      | PI13-03-N       |
|                                                                                    | 4   | 4   | 9   | 9   | 28   | 6,8      | PI13-04-N       |
|                                                                                    | 6   | 6   | 12  | 12  | 33,5 | 15       | PI13-06-N       |
|                                                                                    | 6   | 4   | 12  | 12  | 31   | 14,7     | PI13-06-04-N    |
|                                                                                    | 8   | 8   | 14  | 14  | 34   | 18       | PI13-08-N       |
|                                                                                    | 8   | 6   | 14  | 14  | 34   | 21       | PI13-08-06-N    |
|                                                                                    | 10  | 10  | 16  | 16  | 38,5 | 22,5     | PI13-10-N       |
|                                                                                    | 10  | 8   | 16  | 16  | 36,5 | 25,2     | PI13-10-08-N    |
|                                                                                    | 12  | 12  | 19  | 19  | 41   | 37       | PI13-12-N       |
|                                                                                    | 12  | 8   | 19  | 14  | 39   | -        | PI13-12-08-N    |
|                                                                                    | 12  | 10  | 19  | 16  | 40,5 | -        | PI13-12-10-N    |
|                                                                                    | 14  | 14  | 22  | 22  | 47   | 47,4     | PI13-14-N       |
|                                                                                    | 14  | 12  | 22  | 19  | 44,5 | -        | PI13-14-12-N-YA |
|                                                                                    | 16  | 16  | 24  | 24  | 47   | 63,2     | PI13-16-N       |
|                                                                                    | 16  | 12  | 24  | 19  | 44,5 | -        | PI13-16-12-N    |
|                                                                                    | 16  | 14  | 24  | 22  | 47   | -        | PI13-16-14-N    |

## PI14-360 Obrotowa złączka kątowna wkręcana - Gwint cylindryczny

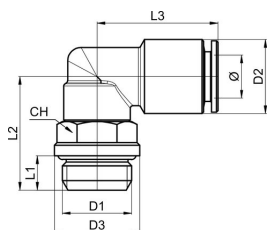
|  | Ø  | D1     | D2 | D3 | L1  | L2   | L3   | L4   | CH | Masa [g] | Typ                |
|-------------------------------------------------------------------------------------|----|--------|----|----|-----|------|------|------|----|----------|--------------------|
|                                                                                     | 3  | M3x0,5 | 7  | 7  | 3   | 8,5  | 13   | 14   | 2  | 4,6      | PI14-03-M3-N-0-360 |
|                                                                                     | 3  | M5x0,8 | 7  | 10 | 4   | 11   | 14,5 | 19   | 3  | 8,1      | PI14-03-M5-N-0-360 |
|                                                                                     | 4  | M5x0,8 | 9  | 10 | 4   | 11   | 18,5 | 19   | 3  | 10,1     | PI14-04-M5-N-0-360 |
|                                                                                     | 4  | G1/8"  | 9  | 14 | 5   | 15   | 20,5 | 25,5 | 4  | 22,2     | PI14-04-18-N-0-360 |
|                                                                                     | 6  | M5x0,8 | 12 | 10 | 4   | 11   | 21,5 | 19   | 3  | 13,3     | PI14-06-M5-N-0-360 |
|                                                                                     | 6  | G1/8"  | 12 | 14 | 5   | 15   | 22,5 | 25,5 | 4  | 24,4     | PI14-06-18-N-0-360 |
|                                                                                     | 6  | G1/4"  | 12 | 18 | 6,5 | 17,5 | 24   | 29   | 5  | 39,3     | PI14-06-14-N-0-360 |
|                                                                                     | 8  | G1/8"  | 14 | 14 | 5   | 15   | 23,5 | 25,5 | 4  | 25,7     | PI14-08-18-N-0-360 |
|                                                                                     | 8  | G1/4"  | 14 | 18 | 6,5 | 17,5 | 24,5 | 29   | 5  | 39,1     | PI14-08-14-N-0-360 |
|                                                                                     | 10 | G1/4"  | 16 | 18 | 6,5 | 17,5 | 27   | 29   | 5  | 43,6     | PI14-10-14-N-0-360 |
|                                                                                     | 10 | G3/8"  | 16 | 22 | 7   | 19,5 | 29   | 32,5 | 6  | 62,2     | PI14-10-38-N-0-360 |
|                                                                                     | 12 | G3/8"  | 19 | 22 | 7   | 19,5 | 29,5 | 32,5 | 6  | 67,1     | PI14-12-38-N-0-360 |
|                                                                                     | 12 | G1/2"  | 19 | 26 | 8,5 | 24   | 31,5 | 39,5 | 8  | 114,8    | PI14-12-12-N-0-360 |



PI15-360 Obrotowa złączka wkręcana typu T - z dwoma elementami pierścieniowymi T-Ring

|                                                                                   |   |        |    |    |     |      |    |      |    |    |          |                    |
|-----------------------------------------------------------------------------------|---|--------|----|----|-----|------|----|------|----|----|----------|--------------------|
|  | Ø | D1     | D2 | D3 | L1  | L2   | L3 | L4   | L5 | CH | Masa [g] | Typ                |
|                                                                                   | 4 | M5x0,8 | 9  | 10 | 4   | 11   | 38 | 29   | 10 | 3  | 25       | PI15-04-M5-N-0-360 |
|                                                                                   | 4 | G1/8"  | 9  | 14 | 5   | 15   | 41 | 40,5 | 15 | 4  | 50       | PI15-04-18-N-0-360 |
|                                                                                   | 6 | G1/8"  | 12 | 14 | 5   | 15   | 45 | 40,5 | 15 | 4  | 59       | PI15-06-18-N-0-360 |
|                                                                                   | 6 | G1/4"  | 12 | 18 | 6,5 | 17,5 | 48 | 46   | 17 | 5  | 82       | PI15-06-14-N-0-360 |
|                                                                                   | 8 | G1/8"  | 14 | 14 | 5   | 15   | 47 | 40,5 | 15 | 4  | 61       | PI15-08-18-N-0-360 |
|                                                                                   | 8 | G1/4"  | 14 | 18 | 6,5 | 17,5 | 49 | 46   | 17 | 5  | 83,5     | PI15-08-14-N-0-360 |
|                                                                                   |   |        |    |    |     |      |    |      |    |    |          |                    |

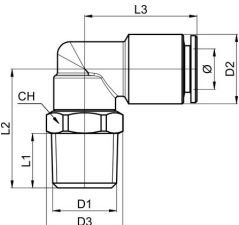
# PI16-360 Obrotowa złączka kątowa wkręcana - Gwint cylindryczny



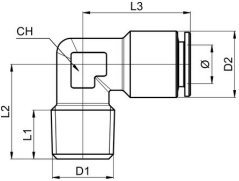
| Ø  | D1       | D2 | D3   | L1  | L2   | L3   | CH | Masa [g] | Typ                      |
|----|----------|----|------|-----|------|------|----|----------|--------------------------|
| 3  | M5x0,8   | 7  | 10   | 4   | 14   | 14   | 9  | 7,1      | PI16-03-M5-N-0-360       |
| 4  | M5x0,8   | 9  | 10   | 4   | 14   | 17,5 | 9  | 8,8      | PI16-04-M5-N-0-360       |
| 4  | M6x1     | 9  | 10   | 4,5 | 14,5 | 17,5 | 9  | 8,7      | PI16-04-M6-N-0-360       |
| 4  | G1/8"    | 9  | 14,5 | 5   | 18,2 | 19,5 | 13 | 15,7     | PI16-04-18-N-0-360       |
| 4  | G1/4"    | 9  | 16   | 6,5 | 21,7 | 19,5 | 13 | 19       | PI16-04-14-N-0-360       |
| 6  | M5x0,8   | 12 | 10   | 4   | 14   | 20,5 | 9  | 11,9     | PI16-06-M5-N-0-360       |
| 6  | M6x1     | 12 | 10   | 4,5 | 14,5 | 20,5 | 9  | 12       | PI16-06-M6-N-0-360       |
| 6  | M12x1,25 | 12 | 15   | 6,5 | 21,7 | 22   | 13 | 22       | PI16-06-M12X1,25-N-0-360 |
| 6  | M12x1,5  | 12 | 15   | 6,5 | 21,7 | 22   | 13 | 21,5     | PI16-06-M12X1,5-N-0-360  |
| 6  | G1/8"    | 12 | 14,5 | 5   | 18   | 22   | 13 | 18,5     | PI16-06-18-N-0-360       |
| 6  | G1/4"    | 12 | 16   | 6,5 | 21,7 | 22   | 13 | 22       | PI16-06-14-N-0-360       |
| 6  | G3/8"    | 12 | 20   | 7   | 22,2 | 22   | 13 | -        | PI16-06-38-N-0-360       |
| 6  | G1/2"    | 12 | 25   | 8,5 | 24,2 | 22   | 13 | -        | PI16-06-12-N-0-360       |
| 8  | G1/8"    | 14 | 14,5 | 5   | 18   | 22,5 | 13 | 22       | PI16-08-18-N-0-360       |
| 8  | G1/4"    | 14 | 16   | 6,5 | 21,5 | 22,5 | 13 | 26       | PI16-08-14-N-0-360       |
| 8  | G3/8"    | 14 | 20   | 7   | 25,5 | 23   | 16 | 36,8     | PI16-08-38-N-0-360       |
| 8  | G1/2"    | 14 | 25   | 8,5 | 27,5 | 23   | 16 | 41       | PI16-08-12-N-0-360       |
| 10 | G1/8"    | 16 | 18   | 5   | 20,5 | 26   | 16 | -        | PI16-10-18-N-0-360-YC    |
| 10 | G1/4"    | 16 | 18   | 6,5 | 22   | 26   | 16 | 32,5     | PI16-10-14-N-0-360       |
| 10 | G3/8"    | 16 | 20   | 7   | 25,5 | 26   | 16 | 39,5     | PI16-10-38-N-0-360       |
| 10 | G1/2"    | 16 | 25   | 8,5 | 27,5 | 26   | 16 | 43,2     | PI16-10-12-N-0-360       |
| 12 | G1/4"    | 19 | 22,5 | 6,5 | 25,5 | 28,5 | 20 | 58,5     | PI16-12-14-N-0-360       |
| 12 | G3/8"    | 19 | 22,5 | 7   | 26   | 28,5 | 20 | 57       | PI16-12-38-N-0-360       |
| 12 | G1/2"    | 19 | 25   | 8,5 | 30,5 | 28,5 | 20 | 65,1     | PI16-12-12-N-0-360       |
| 14 | G3/8"    | 22 | 22,5 | 7   | 26   | 32   | 20 | 61,6     | PI16-14-38-N-0-360       |
| 14 | G1/2"    | 22 | 25   | 8,5 | 30,5 | 32   | 20 | 68,5     | PI16-14-12-N-0-360       |
| 16 | G1/2"    | 24 | 27   | 8,5 | 33   | 36,5 | 25 | 105,2    | PI16-16-12-N-0-360       |
| 16 | G3/4"    | 24 | 32   | 9,5 | 35   | 36,5 | 25 | 113,8    | PI16-16-34-N-0-360       |



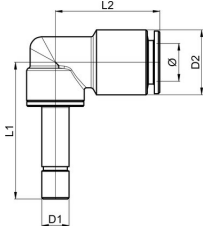
## PI16C-360 Obrotowa złączka kątowa wkręcana - Gwint stożkowy

|  | Ø  | D1    | D2 | D3   | L1   | L2   | L3   | CH | Masa [g] | Typ                 |
|-----------------------------------------------------------------------------------|----|-------|----|------|------|------|------|----|----------|---------------------|
|                                                                                   | 4  | R1/8" | 9  | 11,2 | 7,5  | 17,9 | 19,5 | 10 | 10,8     | PI16C-04-18-N-T-360 |
|                                                                                   | 4  | R1/4" | 9  | 15,5 | 11   | 24   | 19,5 | 14 | 20,9     | PI16C-04-14-N-T-360 |
|                                                                                   | 6  | R1/8" | 12 | 14,5 | 7,5  | 20   | 22   | 13 | 19,4     | PI16C-06-18-N-T-360 |
|                                                                                   | 6  | R1/4" | 12 | 15,5 | 11   | 24   | 22   | 14 | 24       | PI16C-06-14-N-T-360 |
|                                                                                   | 6  | R3/8" | 12 | 20   | 11,5 | 25   | 22   | 18 | -        | PI16C-06-38-N-T-360 |
|                                                                                   | 8  | R1/8" | 14 | 14,5 | 7,5  | 20   | 22,5 | 13 | 23       | PI16C-08-18-N-T-360 |
|                                                                                   | 8  | R1/4" | 14 | 15,5 | 11   | 24   | 22,5 | 14 | 26,4     | PI16C-08-14-N-T-360 |
|                                                                                   | 8  | R3/8" | 14 | 20   | 11,5 | 27   | 23   | 18 | 39,2     | PI16C-08-38-N-T-360 |
|                                                                                   | 8  | R1/2" | 14 | 24,5 | 14   | 31   | 23   | 22 | -        | PI16C-08-12-N-T-360 |
|                                                                                   | 10 | R1/8" | 16 | 20   | 7,5  | 26,5 | 23   | 18 | -        | PI16C-10-18-N-T-360 |
|                                                                                   | 10 | R1/4" | 16 | 20   | 11   | 26,5 | 26   | 18 | 38,6     | PI16C-10-14-N-T-360 |
|                                                                                   | 10 | R3/8" | 16 | 20   | 11,5 | 27   | 26   | 18 | 41       | PI16C-10-38-N-T-360 |
|                                                                                   | 10 | R1/2" | 16 | 24,5 | 14   | 31   | 26   | 22 | -        | PI16C-10-12-N-T-360 |
|                                                                                   | 12 | R1/4" | 19 | 22,5 | 11   | 30   | 28,5 | 20 | -        | PI16C-12-14-N-T-36  |
|                                                                                   | 12 | R3/8" | 19 | 22,5 | 11,5 | 30,5 | 28,5 | 20 | 61,8     | PI16C-12-38-N-T-360 |
|                                                                                   | 12 | R1/2" | 19 | 24,5 | 14   | 33,5 | 28,5 | 22 | 71,5     | PI16C-12-12-N-T-360 |
|                                                                                   | 14 | R3/8" | 22 | 22,5 | 11,5 | 30,5 | 32   | 20 | 66,2     | PI16C-14-38-N-T-360 |
|                                                                                   | 14 | R1/2" | 22 | 24,5 | 14   | 33,5 | 32   | 22 | 74,6     | PI16C-14-12-N-T-360 |

## PI16C Złączka wkręcana kątowa - Gwint stożkowy

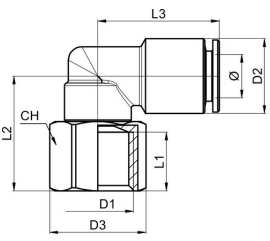
|  | Ø  | D1    | D2 | L1   | L2   | L3   | CH | Masa [g] | Typ             |
|-------------------------------------------------------------------------------------|----|-------|----|------|------|------|----|----------|-----------------|
|                                                                                     | 4  | R1/8" | 9  | 7,8  | 15   | 17,5 | 8  | 8,1      | PI16C-04-18-N-T |
|                                                                                     | 4  | R1/4" | 9  | 10   | 19   | 17,5 | 10 | 13,9     | PI16C-04-14-N-T |
|                                                                                     | 6  | R1/8" | 12 | 8,2  | 15,5 | 20,5 | 10 | 13,2     | PI16C-06-18-N-T |
|                                                                                     | 6  | R1/4" | 12 | 10   | 19   | 20,5 | 10 | 16,7     | PI16C-06-14-N-T |
|                                                                                     | 8  | R1/8" | 14 | 7,5  | 19   | 22,5 | 12 | 19,6     | PI16C-08-18-N-T |
|                                                                                     | 8  | R1/4" | 14 | 10,5 | 20   | 22,5 | 12 | 22,6     | PI16C-08-14-N-T |
|                                                                                     | 10 | R1/4" | 16 | 9,5  | 22   | 25   | 14 | 27,1     | PI16C-10-14-N-T |
|                                                                                     | 10 | R3/8" | 16 | 10,8 | 22,5 | 25   | 14 | 32,1     | PI16C-10-38-N-T |

## PI16 Złączka kątowa z wtykiem wtykowym

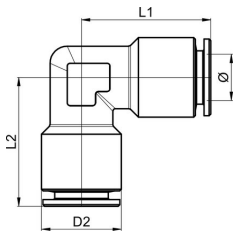
|  | Ø  | L1   | L2   | D1 | D2  | Masa [g] | Typ          |
|-------------------------------------------------------------------------------------|----|------|------|----|-----|----------|--------------|
|                                                                                     | 4  | 25,7 | 19,5 | 4  | 9,1 | 14       | PI16-04-N    |
|                                                                                     | 4  | 29,7 | 19,5 | 6  | 9,1 | 15       | PI16-04-06-N |
|                                                                                     | 6  | 25,7 | 22   | 4  | 12  | 17       | PI16-06-04-N |
|                                                                                     | 6  | 29,7 | 22   | 6  | 12  | 17       | PI16-06-N    |
|                                                                                     | 6  | 29,7 | 22   | 8  | 12  | 17,5     | PI16-06-08-N |
|                                                                                     | 8  | 29,5 | 22,5 | 6  | 14  | 20,5     | PI16-08-06-N |
|                                                                                     | 8  | 29,5 | 22,5 | 8  | 14  | 20,5     | PI16-08-N    |
|                                                                                     | 10 | 33,5 | 26   | 10 | 16  | 30       | PI16-10-N    |



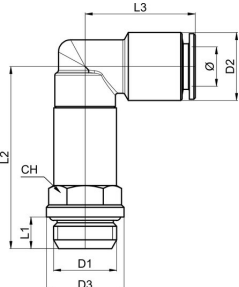
### PI17-360 Obrotowa złączka kątowa wkręcana

|  | Ø  | D1    | D2  | D3   | L1   | L2   | L3   | CH | Masa [g] | Typ              |
|-----------------------------------------------------------------------------------|----|-------|-----|------|------|------|------|----|----------|------------------|
|                                                                                   | 4  | G1/8" | 9,1 | 14,5 | 6,5  | 17,9 | 19,5 | 13 | 17,3     | PI17-04-18-N-360 |
|                                                                                   | 6  | G1/8" | 12  | 14,5 | 6,5  | 17,9 | 22   | 13 | 19,7     | PI17-06-18-N-360 |
|                                                                                   | 6  | G1/4" | 12  | 18   | 10   | 22,2 | 22   | 16 | 25,4     | PI17-06-14-N-360 |
|                                                                                   | 8  | G1/8" | 14  | 14,5 | 6,5  | 17,7 | 22,5 | 13 | 23,1     | PI17-08-18-N-360 |
|                                                                                   | 8  | G1/4" | 14  | 18   | 10   | 22   | 22,5 | 16 | 29,1     | PI17-08-14-N-360 |
|                                                                                   | 10 | G1/4" | 16  | 18   | 10   | 23   | 26   | 16 | 35,6     | PI17-10-14-N-360 |
|                                                                                   | 10 | G3/8" | 16  | 22,5 | 10,5 | 25   | 26   | 20 | 43,5     | PI17-10-38-N-360 |

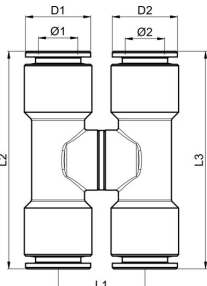
### PI17 Złączka kątowa

|  | Ø  | D2 | L1   | Masa [g] | Typ       |
|-----------------------------------------------------------------------------------|----|----|------|----------|-----------|
|                                                                                   | 3  | 7  | 12,8 | 4,5      | PI17-03-N |
|                                                                                   | 4  | 9  | 17,5 | 9        | PI17-04-N |
|                                                                                   | 6  | 12 | 20,5 | 16,5     | PI17-06-N |
|                                                                                   | 8  | 14 | 22,5 | 22       | PI17-08-N |
|                                                                                   | 10 | 16 | 25   | 29,5     | PI17-10-N |
|                                                                                   | 12 | 19 | 26,5 | 48,5     | PI17-12-N |
|                                                                                   | 14 | 22 | 31,5 | 58       | PI17-14-N |
|                                                                                   | 16 | 24 | 36,5 | 90,6     | PI17-16-N |

### PI19-360 Obrotowa, długa złączka kątowa wkręcana - Gwint cylindryczny

|  | Ø | D1    | D2  | D3   | L1  | L2   | L3   | CH | Masa [g] | Typ                |
|-------------------------------------------------------------------------------------|---|-------|-----|------|-----|------|------|----|----------|--------------------|
|                                                                                     | 4 | G1/8" | 9,1 | 14,5 | 5   | 29,2 | 19,5 | 13 | 25,6     | PI19-04-18-N-0-360 |
|                                                                                     | 6 | G1/8" | 12  | 14,5 | 5   | 32,2 | 22   | 13 | 30,5     | PI19-06-18-N-0-360 |
|                                                                                     | 6 | G1/4" | 12  | 16   | 6,5 | 35,7 | 22   | 13 | 30,9     | PI19-06-14-N-0-360 |
|                                                                                     | 8 | G1/8" | 14  | 14,5 | 5   | 34   | 22,5 | 13 | 35,7     | PI19-08-18-N-0-360 |
|                                                                                     | 8 | G1/4" | 14  | 18   | 6,5 | 37,5 | 22,5 | 13 | 36       | PI19-08-14-N-0-360 |

### PI20-360 Obrotowy łącznik krzyżowy

|  | Ø1 | Ø2 | L1   | L2 | L3 | D1  | D2  | Masa [g] | Typ              |
|-------------------------------------------------------------------------------------|----|----|------|----|----|-----|-----|----------|------------------|
|                                                                                     | 4  | 4  | 18,4 | 39 | 39 | 9,1 | 9,1 | 31       | PI20-04-N-360    |
|                                                                                     | 4  | 6  | 18,4 | 39 | 44 | 9,1 | 12  | 36       | PI20-04-06-N-360 |
|                                                                                     | 6  | 6  | 18   | 44 | 44 | 12  | 12  | 41       | PI20-06-N-360    |
|                                                                                     | 6  | 8  | 18   | 44 | 45 | 12  | 14  | 46,5     | PI20-06-08-N-360 |
|                                                                                     | 8  | 8  | 18   | 45 | 45 | 14  | 14  | 50       | PI20-08-N-360    |



### PI21-360 Obrotowa złączka wkręcana typu T - Gwint cylindryczny

|  | Ø  | D1    | D2  | D3   | L1  | L2   | L3 | CH | Masa [g] | Typ                |
|--|----|-------|-----|------|-----|------|----|----|----------|--------------------|
|  | 4  | G1/8" | 9,1 | 14,5 | 5   | 18,2 | 39 | 13 | 20,2     | PI21-04-18-N-0-360 |
|  | 4  | G1/4" | 9,1 | 16   | 6,5 | 21,7 | 39 | 13 | 23,9     | PI21-04-14-N-0-360 |
|  | 6  | G1/8" | 12  | 14,5 | 5   | 18   | 44 | 13 | 25,2     | PI21-06-18-N-0-360 |
|  | 6  | G1/4" | 12  | 16   | 6,5 | 21,5 | 44 | 13 | 29,1     | PI21-06-14-N-0-360 |
|  | 8  | G1/8" | 14  | 14,5 | 5   | 18   | 45 | 13 | 30,7     | PI21-08-18-N-0-360 |
|  | 8  | G1/4" | 14  | 16   | 6,5 | 21,5 | 45 | 13 | 34,1     | PI21-08-14-N-0-360 |
|  | 8  | G3/8" | 14  | 20   | 7   | 25,5 | 46 | 16 | 46,4     | PI21-08-38-N-0-360 |
|  | 10 | G1/4" | 16  | 18   | 6,5 | 22   | 52 | 16 | 44,4     | PI21-10-14-N-0-360 |
|  | 10 | G3/8" | 16  | 20   | 7   | 25,5 | 52 | 16 | 49,7     | PI21-10-38-N-0-360 |
|  | 12 | G3/8" | 19  | 22,5 | 7   | 26   | 57 | 20 | 75,3     | PI21-12-38-N-0-360 |
|  | 12 | G1/2" | 19  | 25   | 8,5 | 30,5 | 57 | 20 | 82       | PI21-12-12-N-0-360 |

### PI21C-360 Obrotowa złączka wkręcana typu T - Gwint stożkowy

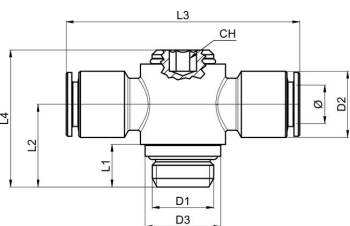
|  | Ø  | D1    | D2  | D3   | L1   | L2   | L3 | CH | Masa [g] | Typ                 |
|--|----|-------|-----|------|------|------|----|----|----------|---------------------|
|  | 4  | R1/8" | 9,1 | 14,5 | 7,5  | 20,2 | 39 | 13 | 21,5     | PI21C-04-18-N-T-360 |
|  | 4  | R1/4" | 9,1 | 15,5 | 11   | 24,2 | 39 | 14 | 25,6     | PI21C-04-14-N-T-360 |
|  | 6  | R1/8" | 12  | 14,5 | 7,5  | 20   | 44 | 13 | 26,3     | PI21C-06-18-N-T-360 |
|  | 6  | R1/4" | 12  | 15,5 | 11   | 24   | 44 | 14 | 30,4     | PI21C-06-14-N-T-360 |
|  | 8  | R1/8" | 14  | 14,5 | 7,5  | 20   | 45 | 13 | 31,3     | PI21C-08-18-N-T-360 |
|  | 8  | R1/4" | 14  | 15,5 | 11   | 24   | 45 | 14 | 35,3     | PI21C-08-14-N-T-360 |
|  | 8  | R3/8" | 14  | 20   | 11,5 | 27   | 46 | 18 | 49,1     | PI21C-08-38-N-T-360 |
|  | 10 | R1/4" | 16  | 20   | 11   | 26,5 | 52 | 18 | 50       | PI21C-10-14-N-T-360 |
|  | 10 | R3/8" | 16  | 20   | 11,5 | 27   | 52 | 18 | 51,6     | PI21C-10-38-N-T-360 |
|  | 12 | R3/8" | 19  | 22,5 | 11,5 | 30,5 | 57 | 20 | 80       | PI21C-12-38-N-T-360 |
|  | 12 | R1/2" | 19  | 24,5 | 14   | 33,5 | 57 | 22 | 83,5     | PI21C-12-12-N-T-360 |

### PI21 Trójnik z wtykiem szybkozłącza

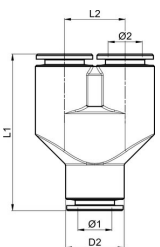
|  | Ø  | L1   | L2 | D1 | D2 | Masa [g] | Typ             |
|--|----|------|----|----|----|----------|-----------------|
|  | 4  | 25,7 | 39 | 4  | 9  | 18,5     | PI21-04-N       |
|  | 4  | 29,7 | 39 | 6  | 9  | 19,5     | PI21-04-06-04-N |
|  | 6  | 29,5 | 44 | 6  | 12 | 24,5     | PI21-06-N       |
|  | 6  | 29,5 | 44 | 8  | 12 | 24,5     | PI21-06-08-06-N |
|  | 8  | 29,5 | 45 | 8  | 14 | 29       | PI21-08-N       |
|  | 8  | 33,5 | 46 | 10 | 14 | 38,5     | PI21-08-10-08-N |
|  | 10 | 33,5 | 52 | 10 | 16 | 41       | PI21-10-N       |



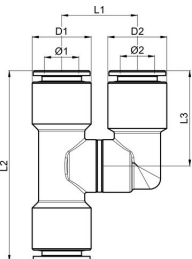
### PI22-360 Obrotowa złączka wkręcana typu T - Gwint cylindryczny

|  | Ø  | D1     | D2 | D3 | L1  | L2   | L3 | L4   | CH | Masa [g] | Typ                |
|-----------------------------------------------------------------------------------|----|--------|----|----|-----|------|----|------|----|----------|--------------------|
|                                                                                   | 4  | M5x0,8 | 9  | 10 | 4   | 11   | 38 | 19,1 | 3  | 13,8     | PI22-04-M5-N-0-360 |
|                                                                                   | 4  | G1/8"  | 9  | 14 | 5   | 15   | 41 | 25,5 | 4  | 27,4     | PI22-04-18-N-0-360 |
|                                                                                   | 6  | M5x0,8 | 12 | 10 | 4   | 11   | 43 | 19,1 | 3  | 19,9     | PI22-06-M5-N-0-360 |
|                                                                                   | 6  | G1/8"  | 12 | 14 | 5   | 15   | 45 | 25,5 | 4  | 32,1     | PI22-06-18-N-0-360 |
|                                                                                   | 6  | G1/4"  | 12 | 18 | 6,5 | 17,5 | 48 | 29   | 5  | 45,8     | PI22-06-14-N-0-360 |
|                                                                                   | 8  | G1/8"  | 14 | 14 | 5   | 15   | 47 | 25,5 | 4  | 34,1     | PI22-08-18-N-0-360 |
|                                                                                   | 8  | G1/4"  | 14 | 18 | 6,5 | 17,5 | 49 | 29   | 5  | 46,5     | PI22-08-14-N-0-360 |
|                                                                                   | 10 | G1/4"  | 16 | 18 | 6,5 | 17,5 | 54 | 29   | 5  | 55,2     | PI22-10-14-N-0-360 |
|                                                                                   | 10 | G3/8"  | 16 | 22 | 7   | 19,5 | 58 | 32,5 | 6  | 72,4     | PI22-10-38-N-0-360 |
|                                                                                   | 12 | G3/8"  | 19 | 22 | 7   | 19,5 | 59 | 32,5 | 6  | 79       | PI22-12-38-N-0-360 |
|                                                                                   | 12 | G1/2"  | 19 | 27 | 8,5 | 24   | 63 | 39,6 | 8  | 124,7    | PI22-12-12-N-0-360 |

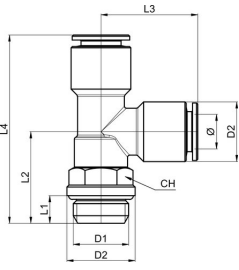
### PI23 Trójnik typu Y

|  | Ø1 | Ø2 | D2  | L1   | L2   | Masa [g] | Typ          |
|-----------------------------------------------------------------------------------|----|----|-----|------|------|----------|--------------|
|                                                                                   | 3  | 3  | 6,8 | 25   | 7,5  | 8,1      | PI23-06-N    |
|                                                                                   | 4  | 4  | 9   | 29,5 | 9,5  | 14,3     | PI23-04-N    |
|                                                                                   | 6  | 6  | 12  | 36,5 | 12,5 | 32,7     | PI23-06-N    |
|                                                                                   | 6  | 4  | 12  | 34,1 | 12,5 | 36,1     | PI23-04-06-N |
|                                                                                   | 8  | 8  | 14  | 37,5 | 14,5 | 44,1     | PI23-08-N    |
|                                                                                   | 8  | 6  | 14  | 37,5 | 14,5 | 51,1     | PI23-06-08-N |
|                                                                                   | 10 | 10 | 16  | 44,5 | 16,5 | 62,7     | PI23-10-N    |
|                                                                                   | 10 | 8  | 16  | 44   | 16,5 | 74,9     | PI23-08-10-N |
|                                                                                   | 12 | 12 | 19  | 49   | 19,5 | 95,8     | PI23-12-N    |

### PI23-360 Obrotowy łącznik Y

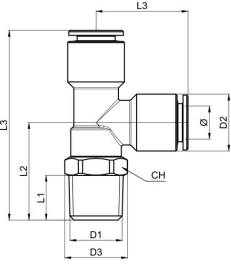
|  | Ø1 | Ø2 | L1   | L2 | L3   | D1  | D2  | Masa [g] | Typ              |
|-------------------------------------------------------------------------------------|----|----|------|----|------|-----|-----|----------|------------------|
|                                                                                     | 4  | 4  | 18,4 | 39 | 19,5 | 9,1 | 9,1 | 27       | PI23-04-N-360    |
|                                                                                     | 4  | 6  | 18,4 | 39 | 22   | 9,1 | 12  | 29,5     | PI23-04-06-N-360 |
|                                                                                     | 6  | 6  | 18,2 | 44 | 22   | 12  | 12  | 34,5     | PI23-06-N-360    |
|                                                                                     | 6  | 8  | 18   | 44 | 22,5 | 12  | 14  | 37,5     | PI23-06-08-N-360 |
|                                                                                     | 8  | 8  | 18   | 45 | 22,5 | 14  | 14  | 42       | PI23-08--N-360   |

### PI24-360 Obrotowa złączka wkręcana T - Gwint cylindryczny

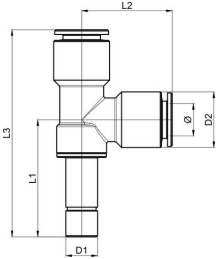
|  | Ø  | D1    | D2  | D3   | L1  | L2   | L3   | L4   | CH | Masa [g] | Typ                |
|-------------------------------------------------------------------------------------|----|-------|-----|------|-----|------|------|------|----|----------|--------------------|
|                                                                                     | 4  | G1/8" | 9,1 | 14,5 | 5   | 18,2 | 19,5 | 37,7 | 13 | 20,5     | PI24-04-18-N-0-360 |
|                                                                                     | 4  | G1/4" | 9,1 | 16   | 6,5 | 21,7 | 19,5 | 41,2 | 13 | 24       | PI24-04-14-N-0-360 |
|                                                                                     | 6  | G1/8" | 12  | 14,5 | 5   | 18,2 | 22   | 40,2 | 13 | 26       | PI24-06-18-N-0-360 |
|                                                                                     | 6  | G1/4" | 12  | 16   | 6,5 | 21,7 | 22   | 43,7 | 13 | 29,5     | PI24-06-14-N-0-360 |
|                                                                                     | 8  | G1/8" | 14  | 14,5 | 5   | 18   | 22,5 | 40,5 | 13 | 30       | PI24-08-18-N-0-360 |
|                                                                                     | 8  | G1/4" | 14  | 16   | 6,5 | 21,5 | 22,5 | 44   | 13 | 33,5     | PI24-08-14-N-0-360 |
|                                                                                     | 10 | G1/4" | 16  | 16   | 6,5 | 22   | 26   | 48   | 16 | 44       | PI24-10-14-N-0-360 |
|                                                                                     | 10 | G3/8" | 16  | 20   | 7   | 25,5 | 26   | 51,5 | 16 | 49       | PI24-10-38-N-0-360 |
|                                                                                     | 12 | G3/8" | 19  | 22,5 | 7   | 26   | 28,5 | 54,5 | 20 | 73       | PI24-12-38-N-0-360 |
|                                                                                     | 12 | G1/2" | 19  | 25   | 8,5 | 30,5 | 28,5 | 59   | 20 | 77       | PI24-12-12-N-0-360 |



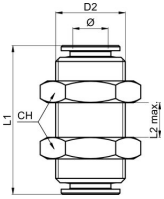
## PI24C-360 Obrotowa złączka wkręcana T - Gwint stożkowy

|  | Ø  | D1    | D2  | D3   | L1   | L2   | L3   | L4   | CH | Masa [g] | Typ                 |
|-----------------------------------------------------------------------------------|----|-------|-----|------|------|------|------|------|----|----------|---------------------|
|                                                                                   | 4  | R1/8" | 9,1 | 14,5 | 7,5  | 20,2 | 19,5 | 39,5 | 13 | 22       | PI24C-04-18-N-T-360 |
|                                                                                   | 4  | R1/4" | 9,1 | 15,5 | 11   | 24,2 | 19,5 | 43,7 | 14 | 25,5     | PI24C-04-14-N-T-360 |
|                                                                                   | 6  | R1/8" | 12  | 14,5 | 7,5  | 20,2 | 22   | 42,2 | 13 | 27,5     | PI24C-06-18-N-T-360 |
|                                                                                   | 6  | R1/4" | 12  | 15,5 | 11   | 24,2 | 22   | 46,2 | 14 | 31       | PI24C-06-14-N-T-360 |
|                                                                                   | 8  | R1/8" | 14  | 14,5 | 7,5  | 20   | 22,5 | 42,5 | 13 | 31       | PI24C-08-18-N-T-360 |
|                                                                                   | 8  | R1/4" | 14  | 15,5 | 11   | 24   | 22,5 | 46,5 | 14 | 35       | PI24C-08-14-N-T-360 |
|                                                                                   | 10 | R1/4" | 16  | 20   | 11   | 26,5 | 26   | 52,5 | 18 | 50       | PI24C-10-14-N-T-360 |
|                                                                                   | 10 | R3/8" | 16  | 20   | 11,5 | 27   | 26   | 53   | 18 | 51       | PI24C-10-38-N-T-360 |
|                                                                                   | 12 | R3/8" | 19  | 22,5 | 11,5 | 30,5 | 28,5 | 59   | 20 | 75       | PI24C-12-38-N-T-360 |
|                                                                                   | 12 | R1/2" | 19  | 24,5 | 14   | 33,5 | 28,5 | 62   | 22 | 83,5     | PI24C-12-12-N-T-360 |

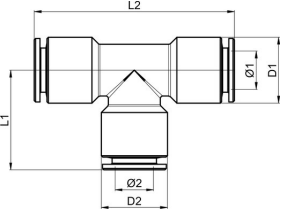
## PI24 Złączka kątowa z wtykiem szybkozłączca

|  | Ø  | L1   | L2   | L3   | D1 | D2  | Masa [g] | Typ             |
|-----------------------------------------------------------------------------------|----|------|------|------|----|-----|----------|-----------------|
|                                                                                   | 4  | 25,  | 19,5 | 45,2 | 4  | 9,1 | 18,5     | PI24-04-N       |
|                                                                                   | 4  | 29,7 | 19,5 | 49,2 | 6  | 9,1 | 20       | PI24-04-06-04-N |
|                                                                                   | 6  | 29,7 | 22   | 51,7 | 6  | 12  | 25       | PI24-06-N       |
|                                                                                   | 6  | 29,7 | 22   | 51,7 | 8  | 12  | 25,5     | PI24-06-08-06-N |
|                                                                                   | 8  | 29,5 | 22,5 | 52   | 8  | 14  | 30       | PI24-08-N       |
|                                                                                   | 10 | 33,5 | 26   | 59,5 | 10 | 16  | 41       | PI24-10-N       |

## PI27 Złączka grodziowa

|  | Ø  | D2      | L1   | L2 max | CH | Masa [g] | Typ       |
|-------------------------------------------------------------------------------------|----|---------|------|--------|----|----------|-----------|
|                                                                                     | 3  | M8x0,75 | 22,5 | 9,5    | 12 | 14,5     | PI27-03-N |
|                                                                                     | 4  | M12x1   | 28   | 11     | 16 | 23,5     | PI27-04-N |
|                                                                                     | 6  | M14x1   | 34   | 16     | 18 | 33       | PI27-06-N |
|                                                                                     | 8  | M16x1   | 34   | 16     | 20 | 39,5     | PI27-08-N |
|                                                                                     | 10 | M18x1   | 39   | 19     | 22 | 51,5     | PI27-10-N |
|                                                                                     | 12 | M20x1   | 41   | 20     | 24 | 60       | PI27-12-N |

## PI29 Trójnik typu T

|  | Ø1 | Ø2 | D1 | D2 | L1   | L2   | Masa [g] | Typ          |
|-------------------------------------------------------------------------------------|----|----|----|----|------|------|----------|--------------|
|                                                                                     | 3  | 3  | 7  | 7  | 12,8 | 25,6 | 5,6      | PI29-03-N    |
|                                                                                     | 4  | 4  | 9  | 9  | 17,5 | 35   | 12,5     | PI29-04-N    |
|                                                                                     | 6  | 6  | 12 | 12 | 20   | 40   | 22,5     | PI29-06-N    |
|                                                                                     | 6  | 4  | 12 | 9  | 18   | 40   | -        | PI29-06-04-N |
|                                                                                     | 8  | 8  | 14 | 14 | 21   | 42   | 28       | PI29-08-N    |
|                                                                                     | 8  | 6  | 14 | 12 | 20,5 | 42   | -        | PI29-08-06-N |
|                                                                                     | 10 | 10 | 16 | 16 | 24,5 | 49   | 39,2     | PI29-10-N    |
|                                                                                     | 10 | 8  | 16 | 14 | 23   | 49   | -        | PI29-10-08-N |
|                                                                                     | 12 | 12 | 19 | 19 | 26   | 52   | 61,3     | PI29-12-N    |
|                                                                                     | 12 | 10 | 19 | 16 | 26   | 52   | -        | PI29-12-10-N |
|                                                                                     | 14 | 14 | 22 | 22 | 30,5 | 61   | 77,1     | PI29-14-N    |
|                                                                                     | 16 | 16 | 24 | 24 | 36,5 | 73   | 124      | PI29-16-N    |



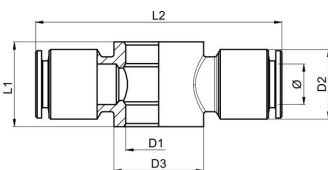
## PI35 Pierścień L-ringowy

Technical drawing of a PI35 L-ring flange. The drawing shows a cross-section of the flange with the following dimensions labeled: L1 (total length), L2 (length of the main body), D1 (inner diameter of the main body), D2 (outer diameter of the main body), D3 (outer diameter of the flange), and Ø (diameter of the central hole).

| Ø  | D1    | D2  | D3 | L1 | L2   | Masa [g] | Typ             |
|----|-------|-----|----|----|------|----------|-----------------|
| 4  | M5    | 9,1 | 10 | 9  | 18,5 | 7,7      | PI35-04-M5-N    |
| 4  | M5    | 9,1 | 10 | 10 | 18,5 | 6,6      | PI35-04-M5-N-M* |
| 4  | G1/8" | 9,1 | 14 | 15 | 20,5 | 13,5     | PI35-04-18-N    |
| 6  | M5    | 12  | 10 | 9  | 21,5 | 10,9     | PI35-06-M5-N    |
| 6  | M5    | 12  | 10 | 10 | 21,5 | 10,1     | PI35-06-M5-N-M* |
| 6  | G1/8" | 12  | 14 | 15 | 22,5 | 15,5     | PI35-06-18-N    |
| 6  | G1/4" | 12  | 18 | 17 | 24   | 21,6     | PI35-06-14-N    |
| 8  | G1/8" | 14  | 14 | 15 | 23,5 | 16,7     | PI35-08-18-N    |
| 8  | G1/4" | 14  | 18 | 17 | 24,5 | 22,8     | PI35-08-14-N    |
| 8  | G3/8" | 14  | 22 | 20 | 26,5 | 32,7     | PI35-08-38-N    |
| 10 | G1/4" | 16  | 18 | 17 | 27   | 27,2     | PI35-10-14-N    |
| 10 | G3/8" | 16  | 22 | 20 | 29   | 34,5     | PI35-10-38-N    |
| 12 | G3/8" | 19  | 22 | 20 | 29,5 | 38,8     | PI35-12-38-N    |
| 12 | G1/2" | 19  | 26 | 24 | 31,5 | 56,9     | PI35-12-12-N    |

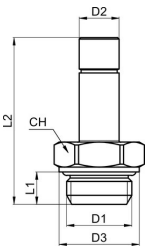
\*dla Zawór dławiący obrotowy i Zawór dławiąco-zwrotny obrotowy

## PI36 Trójnik pierścieniowy



| Ø  | D1    | D2 | D3 | L1 | L2 | Masa [g] | Typ          |
|----|-------|----|----|----|----|----------|--------------|
| 4  | M5    | 9  | 10 | 9  | 37 | 10,9     | PI36-04-M5-N |
| 4  | G1/8" | 9  | 14 | 15 | 41 | 18       | PI36-04-18-N |
| 6  | G1/8" | 12 | 14 | 15 | 45 | 23       | PI36-06-18-N |
| 6  | G1/4" | 12 | 18 | 17 | 48 | 28,7     | PI36-06-14-N |
| 8  | G1/8" | 14 | 14 | 15 | 47 | 25,3     | PI36-08-18-N |
| 8  | G1/4" | 14 | 18 | 17 | 49 | 29,7     | PI36-08-14-N |
| 8  | G3/8" | 14 | 22 | 20 | 53 | 42,5     | PI36-08-38-N |
| 10 | G1/4" | 16 | 18 | 17 | 54 | 37,9     | PI36-10-14-N |
| 10 | G3/8" | 16 | 22 | 20 | 58 | 44,5     | PI36-10-38-N |
| 12 | G3/8" | 19 | 22 | 20 | 59 | 51,3     | PI36-12-38-N |
| 12 | G1/2" | 19 | 27 | 24 | 63 | 67,2     | PI36-12-12-N |

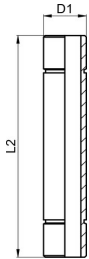
## PI38 Wtykowy króciec gwintowany



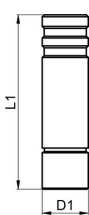
| Ø D2 [mm] | D1     | D3   | L1  | L2   | CH | Masa [g] | Typ            |
|-----------|--------|------|-----|------|----|----------|----------------|
| 4         | M5x0,8 | 10   | 4   | 26   | 9  | 3,2      | PI38-04-M5-N-0 |
| 4         | G1/8"  | 14,5 | 5   | 28   | 13 | 7,2      | PI38-04-18-N-0 |
| 4         | G1/4"  | 16   | 6,5 | 29,5 | 16 | 12,4     | PI38-04-14-N-0 |
| 6         | M5x0,8 | 10   | 4   | 28   | 9  | 5,9      | PI38-06-M5-N-0 |
| 6         | G1/8"  | 14,5 | 5   | 30   | 13 | 8,5      | PI38-06-18-N-0 |
| 6         | G1/4"  | 16   | 6,5 | 32,5 | 16 | 13,7     | PI38-06-14-N-0 |
| 8         | G1/8"  | 14,5 | 5   | 31   | 13 | 9,4      | PI38-08-18-N-0 |
| 8         | G1/4"  | 16   | 6,5 | 33,5 | 16 | 14,5     | PI38-08-14-N-0 |
| 10        | G1/4"  | 16   | 6,5 | 34,5 | 16 | 15,5     | PI38-10-14-N-0 |
| 10        | G3/8"  | 20   | 7   | 35   | 20 | 22       | PI38-10-38-N-0 |
| 12        | G3/8"  | 20   | 7   | 38   | 20 | 23,6     | PI38-12-38-N-0 |
| 12        | G1/2"  | 25   | 8,5 | 39,5 | 25 | 38       | PI38-12-12-N-0 |



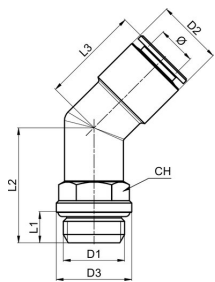
### PI38 Kołek łączący

|  | D1 | L1 | Masa [g] | Typ       |
|-----------------------------------------------------------------------------------|----|----|----------|-----------|
|                                                                                   | 4  | 35 | 2,7      | PI38-04-N |
|                                                                                   | 6  | 40 | 5,1      | PI38-06-N |
|                                                                                   | 8  | 42 | 8        | PI38-08-N |
|                                                                                   | 10 | 50 | 11,8     | PI38-10-N |
|                                                                                   | 12 | 53 | 15,3     | PI38-12-N |
|                                                                                   | 14 | 54 | 18,8     | PI38-12-N |
|                                                                                   |    |    |          |           |

### PI40 Kołek zamykający

|  | D1 | L1 | Masa [g] | Typ       |
|-----------------------------------------------------------------------------------|----|----|----------|-----------|
|                                                                                   | 3  | 20 | 1        | PI40-03-N |
|                                                                                   | 4  | 25 | 2,3      | PI40-04-N |
|                                                                                   | 6  | 25 | 3,7      | PI40-06-N |
|                                                                                   | 8  | 30 | 7,2      | PI40-08-N |
|                                                                                   | 10 | 35 | 11,8     | PI40-10-N |
|                                                                                   | 12 | 40 | 18,2     | PI40-12-N |
|                                                                                   | 14 | 40 | 26,2     | PI40-14-N |
|                                                                                   | 16 | 40 | 32,5     | PI40-16-N |

### PI85-360 Obrotowa złączka kątowna wkręcana 45° - Gwint cylindryczny

|  | Ø  | D1    | D2 | D3   | L1  | L2   | L3 | CH | Masa [g] | Typ                |
|-------------------------------------------------------------------------------------|----|-------|----|------|-----|------|----|----|----------|--------------------|
|                                                                                     | 6  | G1/8" | 12 | 12,8 | 5   | 21   | 21 | 13 | -        | PI85-06-18-N-0-360 |
|                                                                                     | 6  | G1/4" | 12 | 16   | 6,5 | 24,5 | 21 | 13 | -        | PI85-06-14-N-0-360 |
|                                                                                     | 8  | G1/8" | 14 | 12,8 | 5   | 21   | 21 | 13 | -        | PI85-08-18-N-0-360 |
|                                                                                     | 8  | G1/4" | 14 | 16   | 6,5 | 24,5 | 21 | 13 | -        | PI85-08-14-N-0-360 |
|                                                                                     | 10 | G1/4" | 16 | 16   | 6,5 | 23   | 25 | 13 | -        | PI85-10-14-N-0-360 |
|                                                                                     | 10 | G3/8" | 16 | 20   | 7   | 26,5 | 25 | 16 | -        | PI85-10-38-N-0-360 |
|                                                                                     | 12 | G3/8" | 20 | 20   | 7   | 26   | 25 | 16 | -        | PI85-12-38-N-0-360 |
|                                                                                     | 12 | G1/2" | 20 | 25   | 8,5 | 30,5 | 25 | 20 | -        | PI85-12-12-N-0-360 |
|                                                                                     |    |       |    |      |     |      |    |    |          |                    |

### Ilustracje niewiążące

Zastrzega się możliwość zmian konstrukcyjnych, wymiarowych i materiałowych

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