

KATALOG



**ELEMENTY ZŁĄCZNE
HYDRAULIKI SIŁOWEJ**



Tulejki i końcówki do przewodów hydraulicznych

Ferrules and fittings

Втулки зажимные и нипеля до РВД

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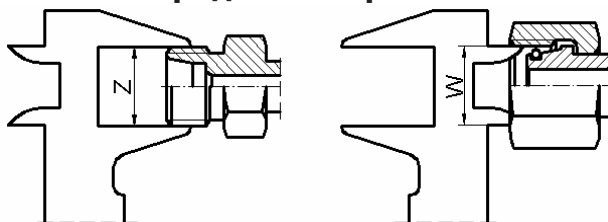
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Tabela do wstępnego ustalenia wielkości gwintu
Threads – table of dimensions / Таблица предварительного
определения резьбы



| ZEWNĘTRZNY | SKOK | WEWNĘTRZNY | METRYCZNY | BSP | UNF | NPTF |
|-------------|----------|-------------|-----------|-------------|-------------|-------------|
| 9,3 – 9,7 | 28/cal | 8,5 – 8,9 | | 1/8" - 28 | | |
| 9,3 – 9,7 | 29/cal | 8,5 – 8,9 | | | | 1/8" - 29 |
| 9,7 – 9,9 | 1,5 mm | 8,2 – 8,6 | M 10x1,5 | | | |
| 10,9 – 11,1 | 20/cal | 9,7 – 10,0 | | | 7/16" - 20 | |
| 11,6 – 11,9 | 1,5 mm | 10,2 – 10,6 | M 12x1,5 | | | |
| 12,4 – 12,7 | 20/cal | 11,3 – 11,6 | | | 1/2" - 20 | |
| 12,9 – 13,1 | 19/cal | 11,4 – 11,9 | | 1/4" - 19 | | |
| 12,9 – 13,1 | 18/cal | 11,4 – 11,9 | | | | 1/4" - 18 |
| 13,6 – 13,9 | 1,5 mm | 12,2 – 12,6 | M 14x1,5 | | | |
| 14,0 – 14,3 | 18/cal | 12,7 – 13,0 | | | 9/16" - 18 | |
| 15,6 – 15,9 | 1,5 mm | 14,2 – 14,6 | M 16x1,5 | | | |
| 16,3 – 16,6 | 19/cal | 14,9 – 15,4 | | 3/8" - 19 | | |
| 16,3 – 16,6 | 18/cal | 14,9 – 15,4 | | | | 3/8" - 18 |
| 17,2 – 17,5 | 16/cal | 15,8 – 16,1 | | | 11/16"-16 | |
| 17,6 – 17,9 | 1,5 mm | 16,2 – 16,6 | M 18x1,5 | | | |
| 18,7 – 19,0 | 16/cal | 17,3 – 17,6 | | | 3/4" - 16 | |
| 19,6 – 19,9 | 1,5 mm | 18,2 – 18,6 | M 20x1,5 | | | |
| 20,3 – 20,6 | 16/cal | 18,9 – 19,2 | | | 13/16"-16 | |
| 20,5 – 20,9 | 14/cal | 18,6 – 19,0 | | 1/2" - 14 | | 1/2" - 14 |
| 21,6 – 21,9 | 1,5 mm | 20,2 – 20,6 | M 22x1,5 | | | |
| 22,0 – 22,2 | 14/cal | 20,2 – 20,5 | | | 7/8" - 14 | |
| 22,6 – 22,9 | 14/cal | 20,6 – 21,0 | | 5/8" - 14 | | 5/8" - 14 |
| 25,2 – 25,5 | 14/cal | 23,4 – 23,7 | | | 1" - 14 | |
| 23,6 – 23,9 | 1,5 mm | 22,2 – 22,6 | M 24x1,5 | | | |
| 25,6 – 25,9 | 1,5 mm | 24,2 – 24,6 | M 26x1,5 | | | |
| 26,1 – 26,4 | 14/cal | 24,1 – 24,5 | | 3/4" - 14 | | |
| 26,6 – 26,9 | 12/cal | 24,3 – 24,7 | | | 1 1/16"-12 | |
| 26,6 – 26,9 | 2 mm | 24,6 – 25,0 | M 27x2 | | | |
| 26,6 – 26,9 | 1,5 mm | 25,2 – 25,6 | M 27x1,5 | | | |
| 29,6 – 29,9 | 2 mm | 27,4 – 27,8 | M 30x2 | | | |
| 29,8 – 30,1 | 12/cal | 27,6 – 27,9 | | | 1 3/16"-12 | |
| 29,6 – 29,9 | 1,5 mm | 28,2 – 28,6 | M 30x1,5 | | | |
| 33,0 – 33,2 | 11/cal | 30,3 – 30,8 | | 1" - 11 | | |
| 32,6 – 32,9 | 2 mm | 30,6 – 31,0 | M 33x2 | | | |
| 32,6 – 32,9 | 1,5 mm | 31,2 – 31,6 | M 33x1,5 | | | |
| 33,0 – 33,3 | 12/cal | 30,8 – 31,2 | | | 1 5/16"- 12 | |
| 32,9 – 33,4 | 11,5/cal | 30,3 – 30,8 | | | | 1"-11,5 |
| 36,2 – 36,5 | 12/cal | 34,0 – 34,4 | | | 1 7/16"-12 | |
| 35,6 – 35,9 | 2 mm | 33,4 – 33,8 | M 36x2 | | | |
| 37,6 – 37,9 | 1,5 mm | 36,2 – 36,6 | M 38x1,5 | | | |
| 40,9 – 41,2 | 12/cal | 38,7 – 39,1 | | | 1 5/8" - 12 | |
| 41,6 – 41,9 | 2 mm | 39,4 – 39,8 | M 42x2 | | | |
| 41,5 – 41,9 | 11/cal | 39,0 – 39,5 | | 1 1/4" - 11 | | |
| 41,4 – 42,0 | 11,5/cal | 39,2 – 39,5 | | | | 1 1/4"-11,5 |
| 42,5 – 42,8 | 12/cal | 40,3 – 40,7 | | | 1 11/16"-12 | |
| 44,6 – 44,9 | 2 mm | 42,4 – 42,8 | M 45x2 | | | |
| 47,3 – 47,6 | 12/cal | 45,1 – 45,5 | | | 1 7/8" - 12 | |
| 47,4 – 47,8 | 11/cal | 44,8 – 45,3 | | 1 1/2" - 11 | | |
| 47,3 – 47,9 | 11,5/cal | 45,1 – 45,5 | | | | 1 1/2"-11,5 |
| 50,5 – 50,8 | 12/cal | 48,3 – 48,7 | | | 2" - 12 | |
| 51,6 – 51,9 | 2 mm | 49,4 – 49,6 | M 52x2 | | | |
| 59,2 – 59,6 | 11/cal | 56,2 – 56,6 | | 2" - 11 | | |

Tabela doboru węża na nominalne ciśnienie pracy przewodu hydraulicznego.

Nominal working pressure for hydraulic hose.

Таблица подбора шланга по номинальному давлению.

| DN | CIŚNIENIE ROBOCZE [Mpa] | wg DIN 20022-1SN/ST PN-91/C-94250/60 jednooplotowy | wg DIN 20022-2SN/ST PN-91/C-94250/60 dwuoplotowy | wg DIN 20023-4SP czterooplotowy | wg DIN 20023-4SH czterooplotowy | minimalny promień gięcia [mm] |
|----|-------------------------|-------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| 06 | 22,5 | 1 | - | | | 100 |
| | 40,0 | - | 2 | | | 100 |
| 08 | 21,5 | 1 | - | | | 115 |
| | 35,0 | - | 2 | | | 115 |
| 10 | 18,0 | 1 | - | - | | 130 |
| | 33,0 | - | 2 | - | | 130 |
| | 44,5 | - | - | 3 | | 180 |
| 13 | 16,0 | 1 | - | - | | 180 |
| | 27,5 | - | 2 | - | | 180 |
| | 41,5 | - | - | 3 | | 230 |
| 16 | 13,0 | 1 | - | - | | 200 |
| | 25,0 | - | 2 | - | | 200 |
| | 35,0 | - | - | 3 | | 250 |
| 20 | 10,5 | 1 | - | - | - | 240 |
| | 21,5 | - | 2 | - | - | 240 |
| | 35,0 | - | - | 3 | - | 300 |
| | 42,0 | - | - | - | 4 | 280 |
| 25 | 8,8 | 1 | - | - | - | 300 |
| | 16,5 | - | 2 | - | - | 300 |
| | 28,0 | - | - | 3 | - | 340 |
| | 38,0 | - | - | - | 4 | 340 |
| 32 | 6,3 | 1 | - | - | - | 420 |
| | 12,5 | - | 2 | - | - | 420 |
| | 21,0 | - | - | 3 | - | 460 |
| | 32,5 | - | - | - | 4 | 460 |
| 40 | 5,0 | 1 | - | - | - | 500 |
| | 10,0 | - | 2 | - | - | 500 |
| | 18,5 | - | - | 3 | - | 560 |
| | 30,0 | - | - | - | 4 | 560 |
| 50 | 4,0 | 1 | - | - | - | 630 |
| | 9,0 | - | 2 | - | - | 630 |
| | 17,5 | - | - | 3 | - | 660 |
| | 25,0 | - | - | - | 4 | 660 |

- zakres temperatur roboczych: -40°C - +100°C;

- altitude of working temperature: -40°C - +100°C;

- предел температуры рабочей: -40°C - +100°C;

- ciśnienie próbne jest dwukrotnie wyższe od ciśnienia roboczego;

- testing pressure is a twice bigger than working pressure;

- давление проверочное в два раза выше от рабочего;

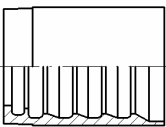
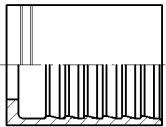
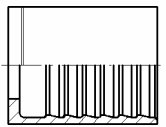
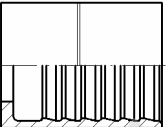
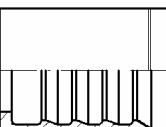

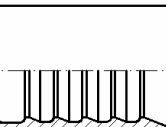
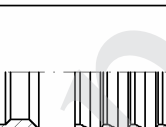

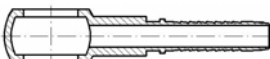
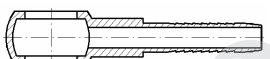
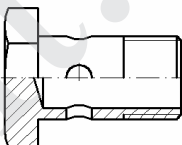
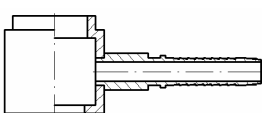
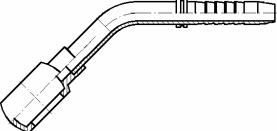
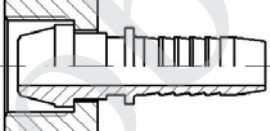

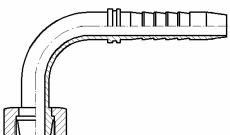
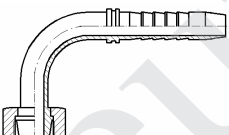
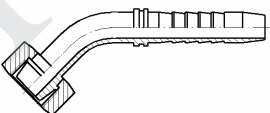
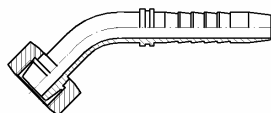
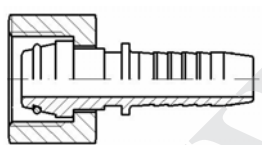
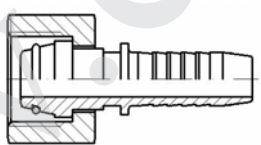
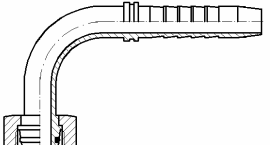
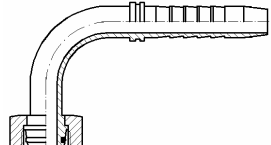
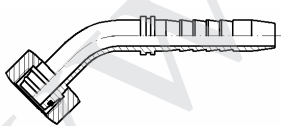
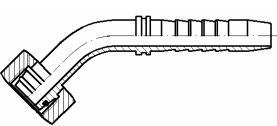

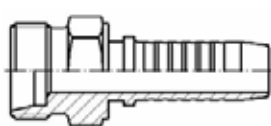

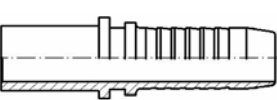
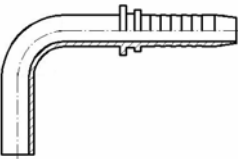
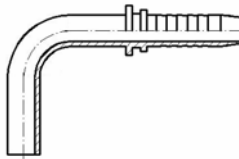
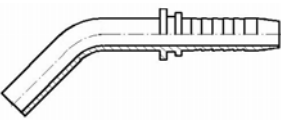
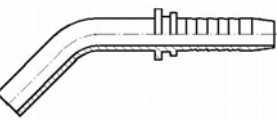
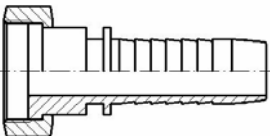
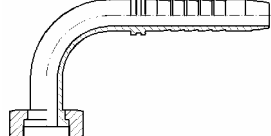
- ciśnienie rozrywające jest czterokrotnie wyższe od ciśnienia roboczego.

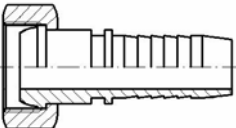
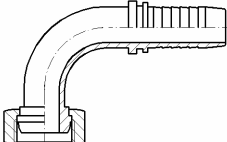
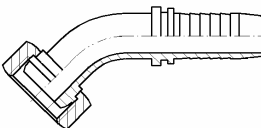

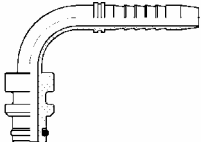

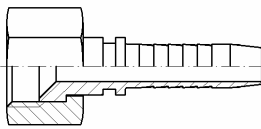
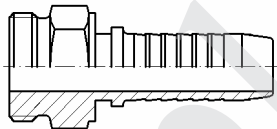

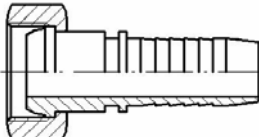
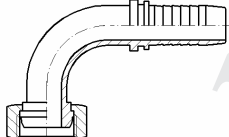
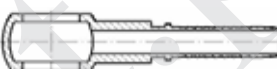
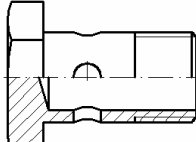
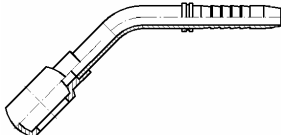

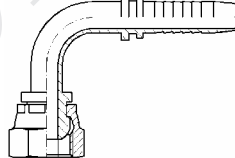
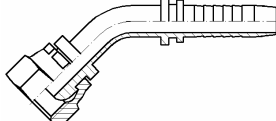
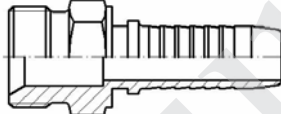

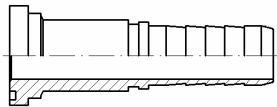
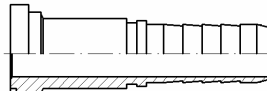
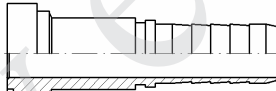
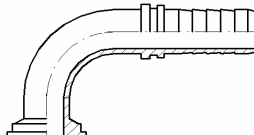
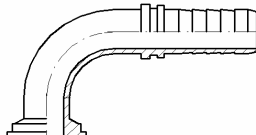
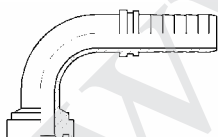
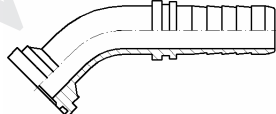
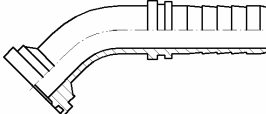
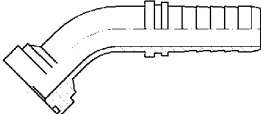

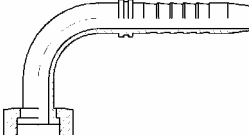

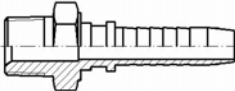


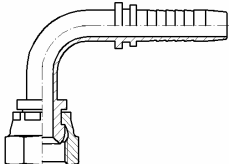
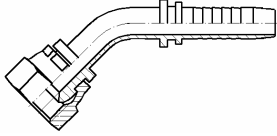
- tearing open pressure is fourfold bigger than working pressure.

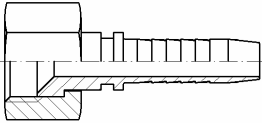
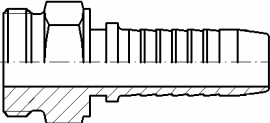

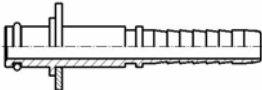


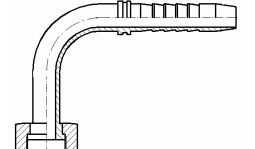
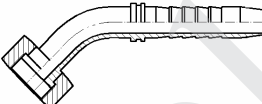
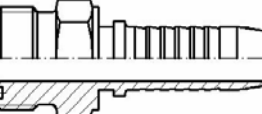
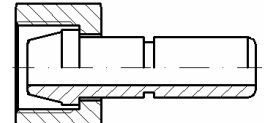
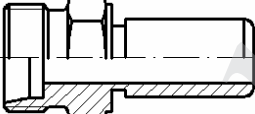
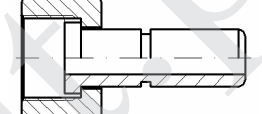
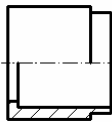
- разрыв наступает при четырехкратном давлении от рабочего

Zestawienie typów tulei i końcówek

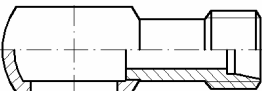
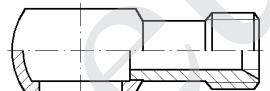
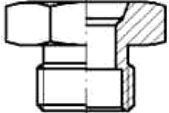
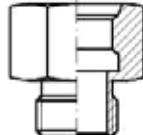
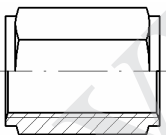
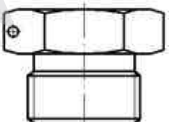
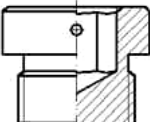



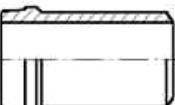

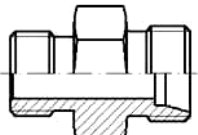
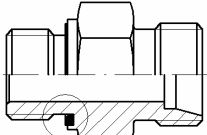
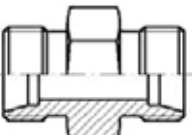
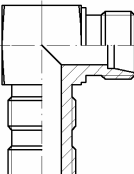
Types of hose ferrules & fittings / Оглавление

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1SN/2SN/2SC str.16 | 2SN str.16 | 1SN/2SC str.17 | 1SC str.17 |
|  |  |  |  |
| 1ST str.18 | 2ST/4SP str.18 | 4SP str.19 | 4SH str.19 |
|  |  |  |  |
| 6SH str.20 | P01 RNM str.21 | P02 str.21 | SP01 str.22 |
|  |  |  |  |
| P03 str.23 | P04 str.24 | P11 DKL str.25 | P11 DKS str.27 |
|  |  |  |  |
| P12 DKL 90 str.28 | P12 DKS 90 str.30 | P15 DKL 45 str.31 | P15 DKS str.32 |
|  |  |  |  |
| P51 DKOL str.33 | P51 DKOS str.34 | P52 DKOL 90 str.35 | P52 DKOS 90 str.36 |
|  |  |  |  |
| P55 DKOL 45 str.37 | P55 DKOS 90 str.38 | P21 CEL str.39 | P21 CES str.40 |
|  |  |  |  |
| P31 BEL str.41 | P31 BES str.41 | P32 BEL 90 str.42 | P32 BES 90 str.43 |
|  |  |  |  |
| P35 BEL 45 str.44 | P35 BES 45 str.45 | P41 DKL-FL str.46 | P42 DKL-FL 90 str.46 |
|  |  |  |  |

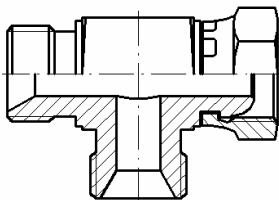
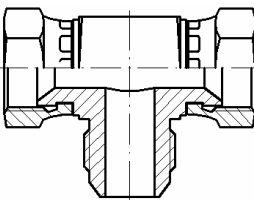
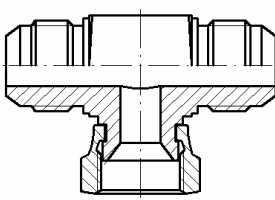
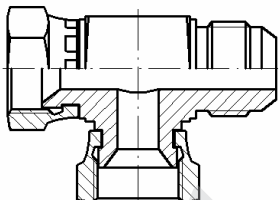
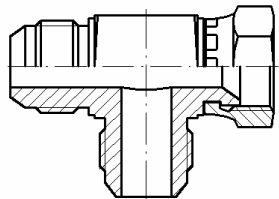
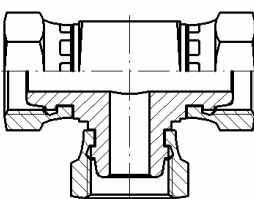
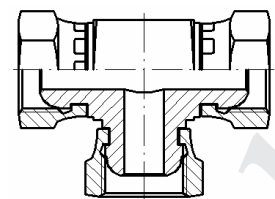
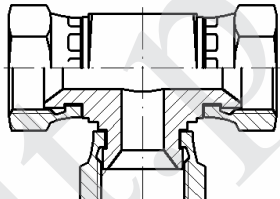
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|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| P61 DKM str.47 | P62 DKM 90 str.48 | P65 DKM 45 str.49 | P71 STECK-O str.50 |
|  |  |  |  |
| P72 STECK-O 90 str.51 | P81 ADK str.52 | P91 DK "KOMATSU" str.53 | H11 AGM-FL str.54 |
|  |  |  |  |
| H21 AGL str.55 | H61 WNP str.56 | H62 WNP 90 str.57 | C01 RNR str.58 |
|  |  |  |  |
| SC01 str.59 | C04 str.60 | C11 DKR str.61 | C12 DKR 9090 str.62 |
|  |  |  |  |
| C15 DKR 45 str.63 | C21 AGR str.64 | C31 AGR-K str.65 | C41 SFL str.66 |
|  |  |  |  |
| C41 SFS str.67 | S41 SUPERCAT str.68 | C42 SFL 90 str.69 | C42 SFS 90 str.70 |
|  |  |  |  |
| C42 SUPERCAT90 str.71 | S45 SFL 45 str.72 | C45 SFS 45 str.73 | C45 SUPERCAT45 str.74 |
|  |  |  |  |
| C51 DKR-FL str.75 | C52 DKR-FL 90 str.76 | C61 AGJO str.77 | C71 AGN str.78 |
|  |  |  |  |
| C81 AGJ str.79 | C91 DKJ str.80 | C92 DKJ 90 str.81 | C95 DKJ 45 str.82 |
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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| P91 DK "TOYOTA" str.83 | G11 AGR-FL str.84 | K51 KARCHER str.85 | L51 LANCA str.86 |
|  |  |  |  |
| Łącznik str.87 | K41 ORFS str.88 | K42 ORFS 90 str.89 | K45 ORFS 45 str.90 |
|  |  |  |  |
| K21 AORFS str.91 | T-P11 str.92 | T-P21 str.92 | T-P41 str.92 |
|  |  |  |  |
| T-T Tulejka-T str.92 | | | |
|  | | | |

Zestawienie typów złączek i przyłączy Types of adapters and connectors / Таблица штуцеров

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Złączka oczkowa metr. P05 str.94 | Złączka oczkowa BSP C05 str.95 | Tulejka różnicowa typ A PN-65/M-73123 str.96 | Tulejka różnicowa typ B PN-65/M-73123 str.96 |
|  |  |  |  |
| MUFA str.97 | Korek gwintowany typ A PN-65/M-73124 str.98 | Korek gwintowany typ B PN-65/M-73124 str.98 | Przeciwnakrętka PN-65/M-73109 str.99 |
|  |  |  |  |
| Przeciwnakrętka CN-109 str.100 | Pierścień zacinający PN-65/M-73137 str.101 | Końcówka kulista PN-65/M-73138 str.102 | Nakrętka złączna PN-65/M-73139 str.103 |
|  |  |  |  |
| Korp. przył. prostej PN-65/M-73140 str.104 | Korp. przył. prostej ED ZN-140 ED str.105 | Korp. złączki prostej PN-65/M-73141 str.106 | Korp. przył. kolankowej PN-65/M-73142 str.107 |
|  |  |  |  |

| | | | |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------|
| Korp. złączki kolankowej PN-65/M-73143 str.108 | Korp. przył. prost. reduk. PN-65/M-73144 str.109 | Korp. przył. pros. red. ED ZN-144 ED str.110 | Korp. złącz. trój. symetr. PN-65/M-73145 str.111 |
| | | | |
| Korp. zł. trój. niesymetr. PN-65/M-73146 str.112 | Korp. złączki trójkątowej PN-65/M-73147 str.113 | Korp. przył. czwórnik. PN-65/M-73148 str.114 | Korp. złącz. czwórnik. PN-65/M-73149 str.115 |
| | | | |
| Korp. przyłączki prostej ZN-140 BSP/M str.116 | Korp. przył. prostej ED ZN-140 BSP/M ED str.117 | Korp. przył. kol. nastaw. ZN-140 str.118 | Korp. przył. trój. nastaw. ZN-145 str.119 |
| | | | |
| Korp. przył. trój. nastaw. ZN-146 str.120 | Korp. złącz. pr. reduk ZN-141 str.121 | Korp. zł. grodz. metr. ZN-141-1 str.122 | Korp. zł. grodziowej BSP CN-141-1 str.123 |
| | | | |
| Korp. złącz. trój. reduk. ZN-147 str.124 | Korp. złącz. pr. calowej CN-141 BSP str.125 | Korp. złącz. pr. cal. red. CN-141 BSP str.126 | Korp. zł prostej 60° WN-141 str.127 |
| | | | |
| Korp. przył. prostej M;BSP;UNF;ORFS;NPT;BSPT ZN-140 str.128 | Korp. przył. prostej ED M;BSP;UNF;ORFS;NPT;BSPT ZN-140 ED str.129 | Korp. złączki prostej M;BSP;UNF;ORFS;NPT;BSPT ZN-141 str.130 | Korp. przył. kolankowej M;BSP;UNF;ORFS;NPT;BSPT ZN-142 str.131 |
| | | | |
| Korp. złączki kolankowej M;BSP;UNF;ORFS;NPT;BSPT ZN-143 str.132 | Korp. przył. trójkątowej M;BSP;UNF;ORFS;NPT;BSPT ZN-145 str.133 | Korp. przył. trójkątowej M;BSP;UNF;ORFS;NPT;BSPT ZN-146 str.134 | Korp. złączki trójk. trójk. M;BSP;UNF;ORFS;NPT;BSPT ZN-147 str.135 |
| | | | |

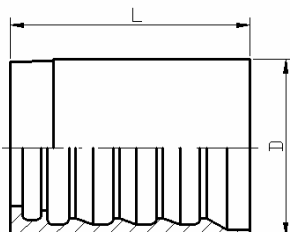
| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Złączka trójnikowa nakr. BBA BSP str.164 | Złączka trójnikowa nakr. ABA UNF str.166 | Złączka trójnikowa nakr. BAB UNF str.166 | Złączka trójnikowa nakr. AAB UNF str.166 |
|  |  |  |  |
| Złączka trójnikowa nakr. BBA UNF str.166 | Złączka trójnikowa nakr. AAA M str.168 | Złączka trójnikowa nakr. AAA BSP str.171 | Złączka trójnikowa nakr. AAA UNF str.172 |
|  |  |  |  |

TULEJKA / FERRULE / ВТУЛКА

1SN/2SN/2SC

bez skórowania / non skive / не очищать

uniwersalna / universal / универсальная



wyżarzane
annealed
отжигаемые



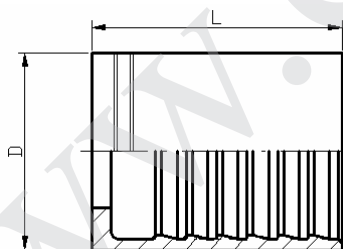
| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 06 | 21.0 | 30.2 | T20 DN 06 |
| 08 | 23.0 | 30.2 | T20 DN 08 |
| 10 | 26.0 | 32.0 | T20 DN 10 |
| 12 (13) | 29.0 | 34.0 | T20 DN 13 |
| 16 | 33.0 | 36.8 | T20 DN 16 |
| 19 (20) | 37.0 | 42.5 | T20 DN 20 |
| 25 | 46.0 | 51.0 | T20 DN 25 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА

2SN

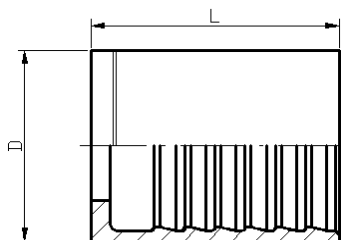
bez skórowania / non skive / не очищать



| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 06 | 21.0 | 30.2 | T22 DN 06 |
| 08 | 23.0 | 30.2 | T22 DN 08 |
| 10 | 26.0 | 32.0 | T22 DN 10 |
| 12 (13) | 29.0 | 34.0 | T22 DN 13 |
| 16 | 33.0 | 36.8 | T22 DN 16 |
| 19 (20) | 37.0 | 42.5 | T22 DN 20 |
| 25 | 46.0 | 51.0 | T22 DN 25 |
| 31 (32) | 55.0 | 60.0 | T22 DN 32 |
| 38 (40) | 67.0 | 67.0 | T22 DN 40 |
| 51 (50) | 80.0 | 72.0 | T22 DN 50 |

wyżarzane / annealed / отжигаемые

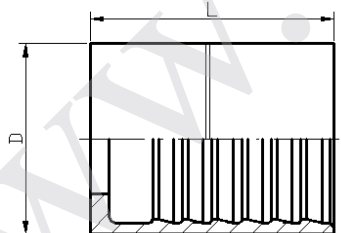
TULEJKA / FERRULE / ВТУЛКА bez skórowania / non skive / не очищать

1SN/2SC


| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 04 | 11.5 | 17 | T-S DN 04 |
| 05 | 16.0 | 23 | T21 DN 05 |
| 06 | 19.0 | 30.2 | T21 DN 06 |
| 08 | 21.0 | 30.2 | T21 DN 08 |
| 10 | 24.0 | 32.0 | T21 DN 10 |
| 12 (13) | 28.0 | 34.0 | T21 DN 13 |
| 16 | 31.0 | 36.8 | T21 DN 16 |
| 19 (20) | 36.0 | 42.5 | T21 DN 20 |
| 25 | 44.0 | 50.5 | T21 DN 25 |
| 31 (32) | 53.0 | 59.0 | T21 DN 32 |
| 38 (40) | 60.0 | 67.0 | T21 DN 40 |
| 51 (50) | 75.5 | 70.0 | T21 DN 50 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА bez skórowania / non skive / не очищать

1SC


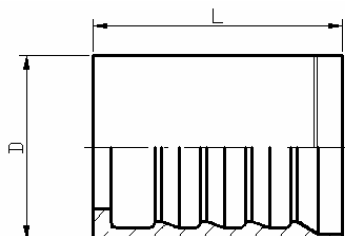
| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 06 | 18.0 | 28.0 | T01 DN 06 |
| 08 | 20.0 | 29.0 | T01 DN 08 |
| 10 | 22.0 | 30.2 | T01 DN 10 |
| 12 (13) | 26.0 | 32.0 | T01 DN 13 |
| 16 | 30.0 | 34.0 | T01 DN 16 |
| 19 (20) | 35.0 | 40.0 | T01 DN 20 |
| 25 | 42.0 | 48.0 | T01 DN 25 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА

1ST

skórować / skive / очистить



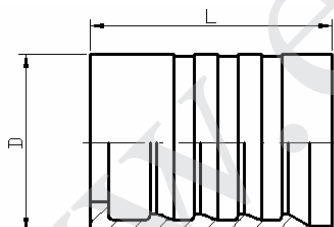
| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 06 | 19.0 | 30.2 | T11 DN 06 |
| 08 | 20.0 | 30.2 | T11 DN 08 |
| 10 | 24.0 | 32.0 | T11 DN 10 |
| 12 (13) | 28.0 | 34.0 | T11 DN 13 |
| 16 | 31.5 | 36.8 | T11 DN 16 |
| 19 (20) | 36.0 | 42.5 | T11 DN 20 |
| 25 | 42.5 | 50.5 | T11 DN 25 |
| 31(32) | 50.1 | 58.7 | T11 DN 32 |
| 38(40) | 58.0 | 62.7 | T11 DN 40 |
| 51(50) | 72.5 | 78.2 | T11 DN 50 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА

2ST/4SP

skórować / skive / очистить



| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 06 | 22.0 | 30.2 | T32 DN 06 |
| 08 | 24.0 | 30.2 | T32 DN 08 |
| 10 | 26.0 | 32.0 | T32 DN 10 |
| 12 (13) | 30.0 | 34.0 | T32 DN 13 |
| 16 | 33.0 | 36.8 | T32 DN 16 |
| 19 (20) | 38.0 | 42.5 | T32 DN 20 |
| 25 | 46.0 | 50.8 | T32 DN 25 |
| 31 (32) | 58.0 | 60.0 | T32 DN 32 |
| 38 (40) | 65.0 | 70.0 | T32 DN 40 |
| 51 (50) | 79.0 | 72.0 | T32 DN 50 |

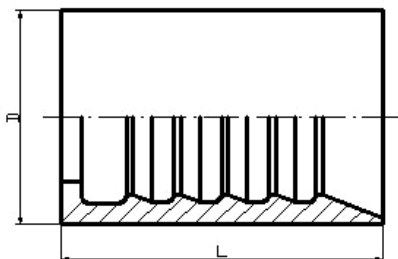
wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА

4SP

skórować / skive / очистить

wersja długa / long version / длинная версия



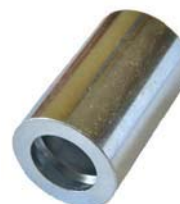
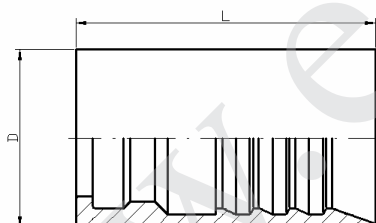
| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 10 | 26.0 | 38.0 | T31 DN 10 |
| 12 (13) | 30.0 | 42.0 | T31 DN 13 |
| 16 | 33.0 | 45.0 | T31 DN 16 |
| 19 (20) | 38.0 | 52.0 | T31 DN 20 |
| 25 | 45.0 | 61.0 | T31 DN 25 |
| 31 (32) | 58.0 | 62.0 | T31 DN 32 |
| 38 (40) | 68.0 | 70.0 | T31 DN 40 |
| 51 (50) | 80.0 | 79.0 | T31 DN 50 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА

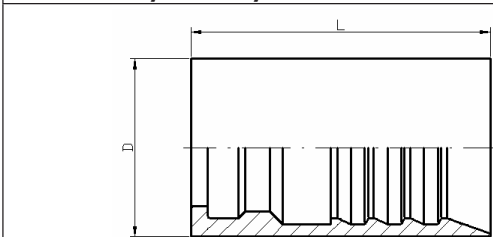
4SH INTERLOCK

skórować / skive / очистить



| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 19 (20) | 40.0 | 63.0 | T41 DN 20 |
| 25 | 49.0 | 73.0 | T41 DN 25 |
| 31 (32) | 55.0 | 83.0 | T41 DN 32 |
| 38 (40) | 63.0 | 88.0 | T41 DN 40 |
| 51 (50) | 80.0 | 99.0 | T41 DN 50 |

wyżarzane / annealed / отжигаемые

TULEJKA / FERRULE / ВТУЛКА
R13-R15 6SH INTERLOCK
skórować / skive / очистить


| DN (średnica węża) | D [mm] | L [mm] | Symbol / Order code |
|-----------------------|-----------|-----------|---------------------|
| 19 (20) | 40 | 63.0 | T42 DN 20 |
| 25 | 49 | 73.0 | T42 DN 25 |
| 31 (32) | 60 | 83.0 | T42 DN 32 |
| 38 (40) | 69.5 | 88.0 | T42 DN 40 |
| 51 (50) | 86.5 | 99.0 | T42 DN 50 |

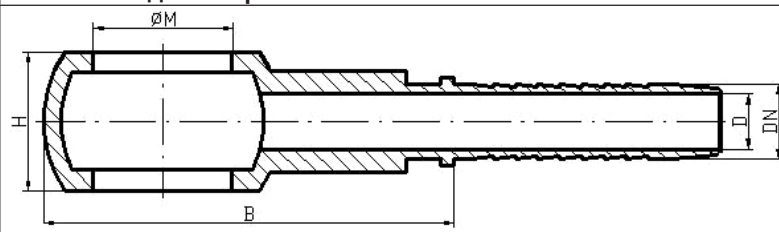
wyżarzane / annealed / отжигаемые

RNM (P01)

Końcówka oczkowa metryczna.

Banjo, metric.

Нипель банджо метрический.



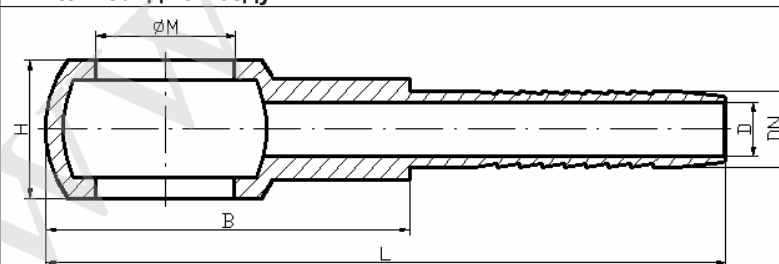
| średnica węża DN | średnica wew. oczka M | H [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|-----------------------|--------|--------|--------|-----------------|---------------------|
| 6 | M10x1,5 | 10.0 | 4.0 | 35.0 | 4 | P01 06 10 10 |
| 6 | M10x1,5 | 12.0 | 4.0 | 35.0 | 3 | P01 06 10 12 |
| 6 | M12x1,5 | 12.0 | 4.0 | 35.0 | 1 | P01 06 12 12 |
| 6 | M14x1,5 | 12.0 | 4.0 | 37.0 | 2 | P01 06 14 12 |
| 8 | M12x1,5 | 14.0 | 5.5 | 36.0 | 3 | P01 08 12 14 |
| 8 | M14x1,5 | 14.0 | 5.5 | 37.0 | 1 | P01 08 14 14 |
| 8 | M16x1,5 | 15.0 | 5.5 | 42.0 | 2 | P01 08 16 15 |
| 8 | M18x1,5 | 15.0 | 5.5 | 43.0 | 4 | P01 08 18 15 |
| 10 | M14x1,5 | 15.0 | 7.0 | 41.0 | 3 | P01 10 14 15 |
| 10 | M16x1,5 | 15.0 | 7.0 | 42.0 | 1 | P01 10 16 15 |
| 10 | M18x1,5 | 15.0 | 7.0 | 45.0 | 2 | P01 10 18 15 |
| 13 | M18x1,5 | 18.0 | 9.0 | 45.0 | 1 | P01 13 18 18 |
| 13 | M20x1,5 | 21.0 | 9.0 | 50.0 | 3 | P01 13 20 21 |
| 13 | M22x1,5 | 19.0 | 9.0 | 50.0 | 2 | P01 13 22 19 |
| 16 | M22x1,5 | 22.0 | 12.5 | 49.5 | 1 | P01 16 22 22 |
| 16 | M26x1,5 | 22.0 | 12.5 | 55.5 | 2 | P01 16 26 22 |
| 16 | M27x1,5 | 22.0 | 12.5 | 55.5 | 3 | P01 16 27 22 |
| 20 | M26x1,5 | 25.5 | 15.0 | 57 | 1 | P01 20 26 25,5 |
| 20 | M27x2 | 25.5 | 15.0 | 57 | 2 | P01 20 27 25,5 |
| 25 | M30x1,5 | 31.5 | 20.0 | 64 | 1 | P01 25 30 31,5 |

P02

Końcówka oczkowa do przewodów paliwowych i pneumatycznych.

Banjo for fuel & pneumatic hoses.

Нипель банджо воздушный.



| średnica węża DN | średnica wew. oczka M | H [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code | Zalecana tuleja For ferrule |
|------------------|-----------------------|--------|--------|--------|-----------------|---------------------|-----------------------------|
| 6* | M10x1,5 | 10.0 | 4.0 | 28.5 | 1 | P02 06 10 | Tuleja 06P fi 15 |
| 6* | M12x1,5 | 12.0 | 4.0 | 38.5 | 2 | P02 06 12 | Tuleja 06P fi 15 |
| 8 | M14x1,5 | 14.0 | 5.5 | 33.0 | 1 | P02 08 14 | Tuleja 08F fi 18 |
| 10 | M14x1,5 | 14.0 | 7.0 | 33.0 | 1 | P02 10 14 | Tuleja 10F fi20 Gł. |
| 13 | M18x1,5 | 18.0 | 9.0 | 45.0 | 1 | P02 13 18 | Tuleja fi25 gł. |

* - końcówka posiada mały kołnierzyk pod tuleję

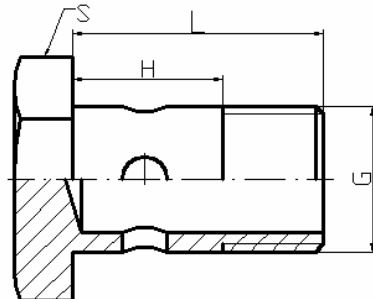
* - the end possesses small flange for ferrule

* - на лочке имеется низкий замок под втулку

Śruba oczkowa metryczna (SP01)

Banjo screw, metric.

Болт банджо метрический.



| średnica wew. oczka M | wysokość oczka H [mm] | L [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|--------------------------|--------------------------|-----------|-----------|--------------------|-----------------------|
| M10x1,5 | 10.0 | 26,5 | 14 | 4 | SP01 M10x1,5 10 L26,5 |
| M10x1,5 | 12.0 | 28,5 | 14 | 3 | SP01 M10x1,5 12 L28,5 |
| M12x1,5 | 12.0 | 28,5 | 17 | 1 | SP01 M12x1,5 12 L28,5 |
| M14x1,5 | 12.0 | 28,5 | 19 | 2 | SP01 M14x1,5 12 L28,5 |
| M12x1,5 | 14.0 | 30,5 | 17 | 3 | SP01 M12x1,5 14 L30,5 |
| M14x1,5 | 14.0 | 30,5 | 19 | 1 | SP01 M14x1,5 14 L30,5 |
| M16x1,5 | 15.0 | 31,5 | 22 | 2 | SP01 M16x1,5 15 L31,5 |
| M18x1,5 | 15.0 | 31,5 | 24 | 4 | SP01 M18x1,5 15 L31,5 |
| M14x1,5 | 15.0 | 31,5 | 19 | 3 | SP01 M14x1,5 15 L31,5 |
| M16x1,5 | 15.0 | 31,5 | 22 | 1 | SP01 M16x1,5 15 L31,5 |
| M18x1,5 | 15.0 | 31,5 | 24 | 2 | SP01 M18x1,5 15 L31,5 |
| M18x1,5 | 18.0 | 34,5 | 24 | 1 | SP01 M18x1,5 18 L34,5 |
| M20x1,5 | 21.0 | 37,5 | 27 | 3 | SP01 M20x1,5 21 L37,5 |
| M22x1,5 | 19.0 | 35,5 | 27 | 2 | SP01 M10x1,5 19 L35,5 |
| M22x1,5 | 22.0 | 38,5 | 27 | 1 | SP01 M22x1,5 22 L38,5 |
| M26x1,5 | 22.0 | 38,5 | 32 | 2 | SP01 M26x1,5 22 L38,5 |
| M27x1,5 | 22.0 | 38,5 | 32 | 3 | SP01 M27x1,5 22 L38,5 |
| M26x1,5 | 25.5 | 42 | 32 | 1 | SP01 M26x1,5 25,5 L42 |
| M27x2 | 25.5 | 46.5 | 32 | 2 | SP01 M27x2 25,5 L46,5 |
| M30x1.5 | 31.5 | 48 | 38 | 1 | SP01 M30x1,5 31,5 L48 |

H (wysokość oczka) – wykonujemy katalogowe pod nasze końcówki oczkowe i na życzenie klienta

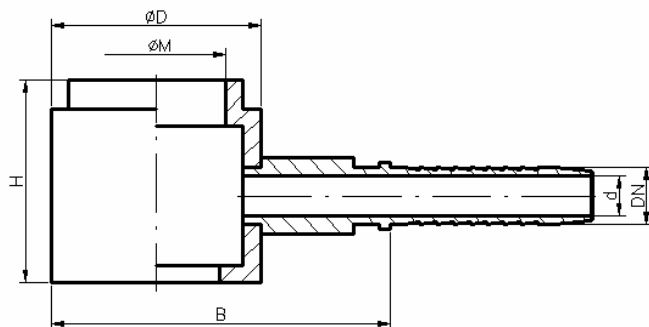
H – то-же по требованиям заказчика

H – for request

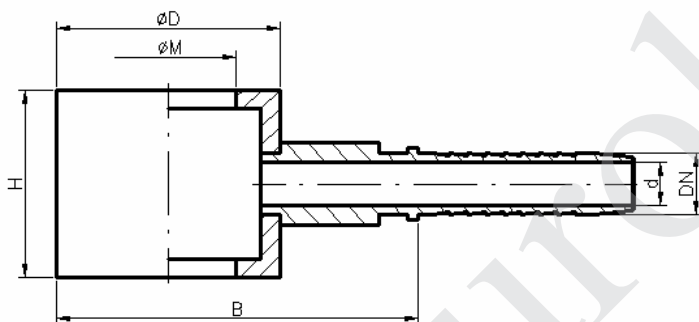
P03

Końcówka oczkowa do przewodów hydraulicznych stosowanych w wózkach widłowych typu „Bułgar”.
Banjo for hydraulic hoses used in carts „Bułgar”.
Нипель очковый.

Wersja A



Wersja B



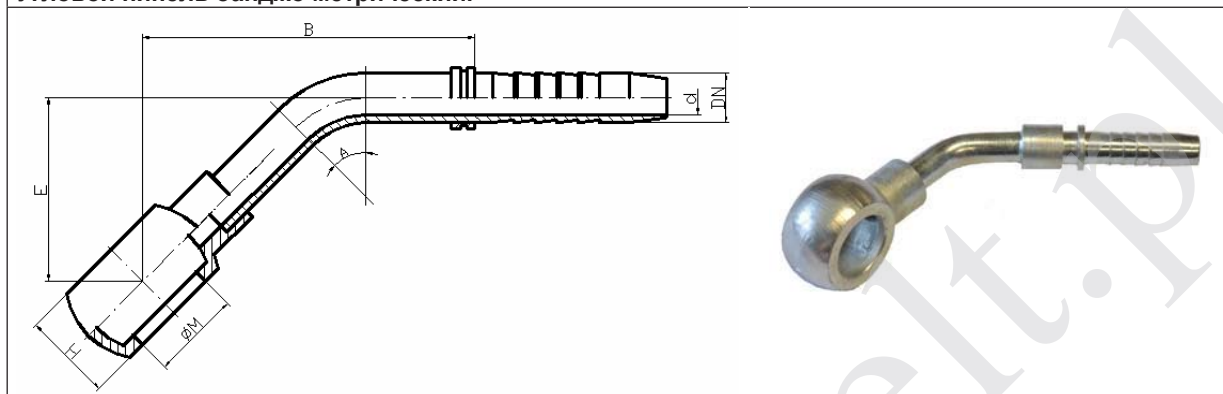
| średnica węża DN | Wersja | średnica wew. oczka M | D [mm] | H [mm] | B [mm] | d [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------|-----------------------|--------|--------|--------|--------|-----------------|---------------------|
| 8 | B | M16x1,5 | 30 | 20 | 48.0 | 5.5 | 1 | P03 08 16x30x20 B |
| 8 | B | M18x1,5 | 30 | 20 | 48.0 | 5.5 | 2 | P03 08 18x30x20 B |
| 10 | A | M18x1,5 | 25 | 25 | 42.5 | 7.0 | 1 | P03 10 18x25x25 A |
| 10 | B | M18x1,5 | 30 | 20 | 47.5 | 7.0 | 2 | P03 10 18x30x20 B |
| 13 | B | M18x1,5 | 30 | 20 | 51.0 | 9.0 | 1 | P03 13 18x30x20 B |
| 13 | B | M22x1,5 | 36 | 25 | 57.1 | 9.0 | 2 | P03 13 22x36x25 B |
| 13 | B | M27x1,5 | 44 | 30 | 65.0 | 9.0 | 3 | P03 13 27x44x30 B |
| 16 | B | M22x1,5 | 36 | 25 | 57.5 | 12.5 | 1 | P03 16 22x35x25 B |
| 16 | A | M22x1,5 | 36 | 35 | 58.5 | 12.5 | 1 | P03 16 22x36x35 A |
| 16 | B | M27x1,5 | 44 | 30 | 66.5 | 12.5 | 2 | P03 16 27x44x30 B |

P04

Końcówka oczkowa kątowa z gwintem metrycznym.

Elbow banjo, metric.

Угловой нипель банжо метрический.



| średnica węży DN | średnica wew. oczka M | H [mm] | d [mm] | system oznaczeń | Symbol / Order code |
|------------------|-----------------------|--------|--------|-----------------|---------------------|
| 6 | M10x1,5 | 12.0 | 4.0 | 3 | P04 06 10 12 |
| 6 | M12x1,5 | 12.0 | 4.0 | 1 | P04 06 12 12 |
| 6 | M14x1,5 | 12.0 | 4.0 | 2 | P04 06 14 12 |
| 8 | M12x1,5 | 14.0 | 5.5 | 3 | P04 08 12 14 |
| 8 | M14x1,5 | 14.0 | 5.5 | 1 | P04 08 14 14 |
| 8 | M16x1,5 | 15.0 | 5.5 | 2 | P04 08 16 15 |
| 8 | M18x1,5 | 15.0 | 5.5 | 4 | P04 08 18 15 |
| 10 | M14x1,5 | 15.0 | 7.0 | 3 | P04 10 14 15 |
| 10 | M16x1,5 | 15.0 | 7.0 | 1 | P04 10 16 15 |
| 10 | M18x1,5 | 15.0 | 7.0 | 2 | P04 10 18 15 |
| 13 | M18x1,5 | 18.0 | 9.0 | 1 | P04 13 18 18 |
| 13 | M20x1,5 | 21.0 | 9.0 | 3 | P04 13 20 21 |
| 13 | M22x1,5 | 19.0 | 9.0 | 2 | P04 13 22 19 |
| 16 | M22x1,5 | 22.0 | 12.5 | 1 | P04 16 22 22 |
| 16 | M26x1,5 | 22.0 | 12.5 | 2 | P04 16 26 22 |
| 16 | M27x1,5 | 22.0 | 12.5 | 3 | P04 16 27 22 |
| 20 | M26x1,5 | 25.5 | 15.0 | 1 | P04 20 26 25,5 |
| 20 | M27x2 | 25.5 | 15.0 | 2 | P04 20 27 25,5 |
| 25 | M30x1,5 | 31.5 | 20.0 | 1 | P04 25 30 31,5 |

A, E, B - kąt i długości gięcia wykonujemy według życzeń klienta.

A, E, B - the angle and lengths of bending we execute according to wishes of the customer.

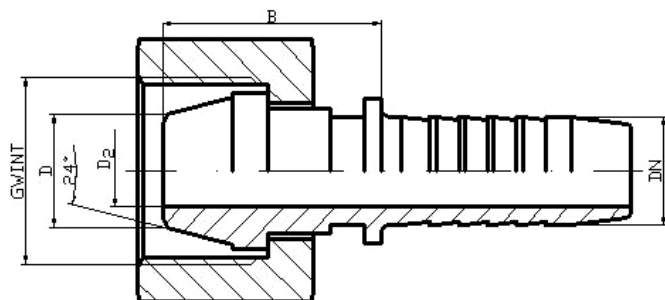
A, E, B – по требованиям заказчика

DKL (P11) ODMIANA LEKKA

Końcówka prosta uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight female nipple, universal, working with conical socket 24°, 60° LIGHT SERIES.

Нипель до конусного гнезда 24° и 60° ЛЁГКАЯ ВЕРСИЯ.



| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|----------|------------------------|-----------|--------------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 34.0 | - | P11 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 34.0 | - | P11 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 34.0 | - | P11 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 34.0 | - | P11 04 06L M12x1,5 |
| 5 | 5 | M10x1 | 3.0 | 17.0 | - | P11 05 05L M10x1 |
| 5 | 6 | M12x1 | 3.0 | 20.0 | - | P11 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 20.0 | - | P11 05 06L M12x1,5 |
| 6 | 5 | M10x1 | 4.0 | 17.0 | - | P11 05 05 M10x1 |
| 6 | 6 | M12x1 | 4.0 | 20.0 | - | P11 06 06L M12x1 |
| 6 | 6 | M12x1,25 | 4.0 | 20.0 | - | P11 06 06L M12x1,25 |
| 6 | 6 | M12x1,5 | 4.0 | 20.0 | 3 | P11 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 20.0 | 1 | P11 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 21.5 | 2 | P11 06 10L M16x1,5 |
| 6 | 12 | M18x1,5 | 4.0 | 21.5 | - | P11 06 12L M18x1,5 |
| 6 | 16 | M22x1,5 | 4.0 | 25.0 | - | P11 06 16L M22x1,5 |
| 8 | 8 | M14x1,5 | 5.5 | 22.0 | - | P11 08 08L M14x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 21.5 | 1 | P11 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 21.5 | 2 | P11 08 12L M18x1,5 |
| 8 | 15 | M22x1,5 | 5.5 | 25.0 | - | P11 08 15L M22x1,5 |
| 8 | 16 | M22x1,5 | 5.5 | 25.0 | - | P11 08 16L M22x1,5 |
| 10 | 10 | M16x1 | 7.0 | 21.5 | - | P11 10 10L M16x1 |
| 10 | 10 | M16x1,5 | 7.0 | 21.5 | - | P11 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 21.5 | 1 | P11 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 23.5 | 4 | P11 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 23.5 | 2 | P11 10 16L M22x1,5 |
| 13 | 12 | M18x1,5 | 9.0 | 26.0 | - | P11 13 12L M18x1,5 |
| 13 | 14 | M20x1,5 | 9.0 | 25.0 | - | P11 13 14L M20x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 25.0 | 3 | P11 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 25.0 | 1 | P11 13 16L M22x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 26.0 | - | P11 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 26.0 | 2 | P11 13 18L M27x2 |
| 13 | 18 | M26x1,5 | 9.0 | 26.0 | 4 | P11 13 18L M26x1,5 |
| 16 | 16 | M24x2 | 12.5 | 26.0 | - | P11 16 16L M24x2 |
| 16 | 16 | M22x1,5 | 12.5 | 26.0 | - | P11 16 16L M22x1,5 |
| 16 | 18 | M27x1,5 | 12.5 | 26.0 | 4 | P11 16 18L M27x1,5 |
| 16 | 18 | M27x2 | 12.5 | 26.0 | 1 | P11 16 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 26.0 | 3 | P11 16 18L M26x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 29.0 | - | P11 16 18L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 29.0 | 2 | P11 16 22L M30x2 |





DKL (P11L)

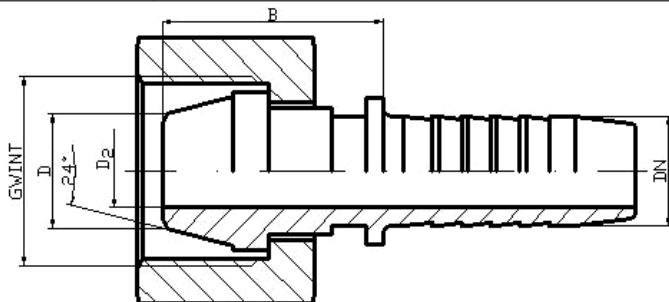
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|---------|------------------------|-----------|--------------------|---------------------|
| 16 | 22 | M33x1,5 | 12.5 | 29.0 | - | P11 16 22L M33x1,5 |
| 16 | 22 | M33x2 | 12.5 | 29.0 | - | P11 16 22L M33x2 |
| 20 | 22 | M30x1,5 | 15.0 | 29.0 | - | P11 20 22L M30,5 |
| 20 | 22 | M30x2 | 15.0 | 29.0 | 1 | P11 20 22L M30x2 |
| 20 | 22 | M33x1,5 | 15.0 | 29.0 | - | P11 20 22L M33x1,5 |
| 20 | 22 | M33x2 | 15.0 | 29.0 | 2 | P11 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 33.0 | - | P11 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 33.0 | 1 | P11 25 28L M36x2 |
| 25 | 28 | M38x1,5 | 20.0 | 33.0 | - | P11 25 28L M38x1,5 |
| 25 | 28 | M38x2 | 20.0 | 33.0 | - | P11 25 28L M38x2 |
| 32 | 35 | M45x1,5 | 26.0 | 33.0 | - | P11 32 35L M45x1,5 |
| 32 | 35 | M45x2 | 26.0 | 33.0 | 1 | P11 32 35L M45x2 |
| 32 | 42 | M52x2 | 26.0 | 36.0 | - | P11 32 42L M52x2 |
| 40 | 42 | M52x2 | 32.0 | 36.0 | 1 | P11 40 42L M52x2 |

DKS (P11) ODMIANA CIĘŻKA

Końcówka prosta uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight female nipple, universal, working with conical socket 24°, 60° HEAVY SERIES.

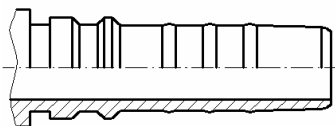
Нипель до конусного гнезда 24° и 60° ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

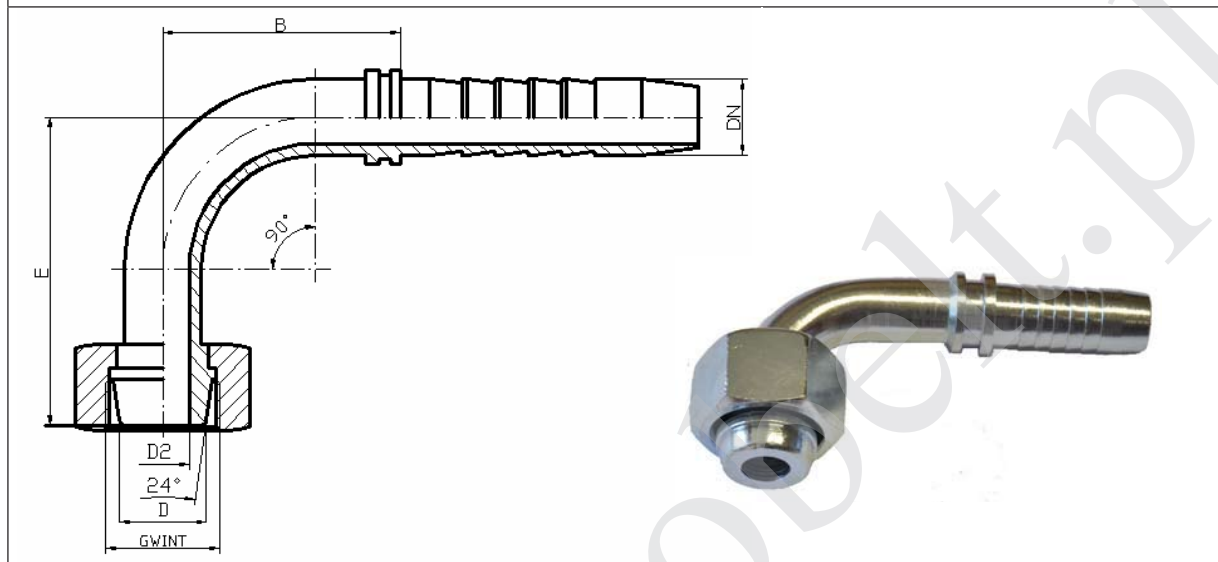
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|-----------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 34 | - | P51 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 2.0 | 34 | - | P51 04 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 3.0 | 20 | - | P11 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 3.0 | 20 | - | P11 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 22 | 6 | P11 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 22 | 7 | P11 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 22 | 8 | P11 06 12S M20x1,5 |
| 8 | 10 | M18x1,5 | 5.5 | 23 | 6 | P11 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 23 | 8 | P11 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 25 | 7 | P11 08 14S M22x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 23 | 8 | P11 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 25 | 6 | P11 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 25 | 7 | P11 10 16S M24x1,5 |
| 13 | 12 | M20x1,5 | 9.0 | 26 | - | P11 13 12S M20x1,5 |
| 13 | 14 | M22x1,5 | 9.0 | 25 | - | P11 13 14S M22x1,5 |
| 13 | 14 | M24x1,5 | 9.0 | 25 | - | P11 13 14S M24x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 25 | 6 | P11 13 16S M24x1,5 |
| 13 | 20 | M30x1,5 | 9.0 | 30 | - | P11 13 20S M30x1,5 |
| 13 | 20 | M30x2 | 9.0 | 30 | 7 | P11 13 20S M30x2 |
| 16 | 16 | M24x1,5 | 12.5 | 26 | - | P11 16 16S M24x1,5 |
| 16 | 20 | M30x2 | 12.5 | 30 | 6 | P11 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 32 | 7 | P11 16 25S M36x2 |
| 20 | 20 | M30x2 | 15.0 | 30 | - | P11 20 20S M30x2 |
| 20 | 25 | M36x2 | 15.0 | 32 | 6 | P11 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 32 | 7 | P11 20 30S M42x2 |
| 25 | 25 | M36x2 | 20.0 | 34 | - | P11 25 25S M36x2 |
| 25 | 30 | M42x2 | 20.0 | 34 | 6 | P11 25 30S M42x2 |
| 25 | 38 | M52x2 | 20.0 | 38 | 7 | P11 25 38S M52x2 |
| 32 | 38 | M52x2 | 25.0 | 40 | 6 | P11 32 38S M52x2 |

DKL 90 (P12) ODMIANA LEKKA

Końcówka kątowa uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° female nipple, universal, working with conical socket 24°, 60° LIGHT SERIES.

Угловой ниппель 90° до конусного гнезда 24° и 60° ЛЁГКАЯ ВЕРСИЯ.



| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 24 | 36 | - | P12 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 24 | 36 | - | P12 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 24 | 36 | - | P12 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 24 | 36 | - | P12 04 06L M12x1,5 |
| 5 | 5 | M10x1 | 3.0 | 30 | 30 | - | P12 05 05L M10x1 |
| 5 | 6 | M12x1 | 3.0 | 30 | 30 | - | P12 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 30 | 30 | - | P12 05 06L M12x1,5 |
| 6 | 5 | M10x1 | 4.0 | 30 | 30 | - | P12 06 05L M10x1 |
| 6 | 6 | M12x1,5 | 4.0 | 30 | 30 | 3 | P12 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 30 | 30 | 1 | P12 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 30 | 30 | 2 | P12 06 10L M16x1,5 |
| 6 | 12 | M18x1,5 | 4.0 | 30 | 30 | - | P12 06 12L M18x1,5 |
| 8 | 8 | M14x1,5 | 5.5 | 32 | 35 | - | P12 08 08L M14x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 32 | 35 | 1 | P12 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 34 | 35 | 2 | P12 08 12L M18x1,5 |
| 8 | 15 | M22x1,5 | 7.0 | 34 | 35 | - | P12 08 15L M22x1,5 |
| 8 | 16 | M22x1,5 | 7.0 | 34 | 35 | - | P12 08 16L M22x1,5 |
| 10 | 10 | M16x1,5 | 7.0 | 34 | 35 | 3 | P12 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 34 | 35 | 1 | P12 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 34 | 35 | 4 | P12 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 34 | 35 | 2 | P12 10 16L M22x1,5 |
| 13 | 14 | M20x1,5 | 9.0 | 42 | 43 | - | P12 13 14L M20x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 42 | 43 | 3 | P12 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 42 | 43 | 1 | P12 13 16L M22x1,5 |
| 13 | 18 | M26x1,5 | 9.0 | 42 | 43 | - | P12 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 42 | 43 | - | P12 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 42 | 43 | 2 | P12 13 18L M27x2 |
| 16 | 16 | M24x2 | 12.5 | 52 | 55 | - | P12 16 16L M24x2 |
| 16 | 18 | M27x2 | 12.5 | 52 | 55 | 1 | P12 16 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 52 | 55 | 3 | P12 16 18L M26x1,5 |
| 16 | 18 | M27x1,5 | 12.5 | 52 | 55 | 4 | P12 16 18L M27x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 62 | 55 | 2 | P12 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 62 | 55 | 2 | P12 16 22L M30x2 |



DKL 90 (P12L)

| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 20 | 22 | M30x1,5 | 15.0 | 62 | 62 | - | P12 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 62 | 62 | 1 | P12 20 22L M30x2 |
| 20 | 22 | M33x1,5 | 15.0 | 62 | 62 | - | P12 20 22L M33x1,5 |
| 20 | 22 | M33x2 | 15.0 | 62 | 62 | 2 | P12 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 62 | 62 | - | P12 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 70 | 75 | 1 | P12 25 28L M36x2 |
| 25 | 28 | M38x1,5 | 20.0 | 70 | 75 | - | P12 25 28L M38x1,5 |
| 25 | 28 | M38x2 | 20.0 | 70 | 75 | - | P12 25 28L M38x2 |
| 32 | 35 | M45x2 | 26.0 | 84 | 94 | 1 | P12 32 35L M45x2 |
| 32 | 42 | M52x2 | 26.0 | 84 | 94 | - | P12 32 42L M52x2 |
| 40 | 42 | M52x2 | 32.0 | 100 | 115 | 1 | P12 40 42L M52x2 |



DN06 ÷ DN13

Na zamówienie wykonujemy w wersji kompaktowej.

For request we execute in compact version.

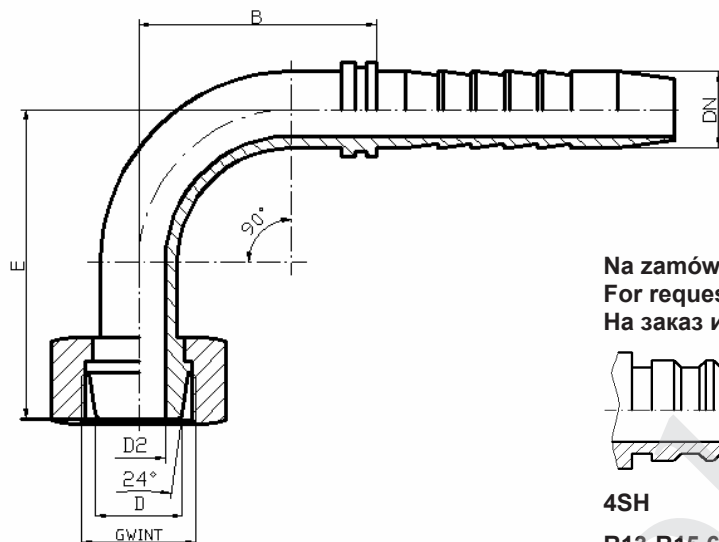
На заказ изготавливаем в компактной версии.

DKS 90 (P12) ODMIANA CIĘŻKA

Końcówka kątowa uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° female nipple, universal, working with conical socket 24°, 60° HEAVY SERIES.

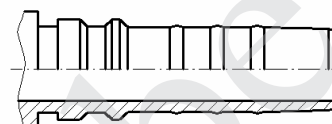
Угловой нипель 90° до конусного гнезда 24° i 60° ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 24 | 36 | - | P12 3.7 06S M14x1,4 |
| 4 | 6 | M14x1,5 | 2.0 | 24 | 36 | - | P12 04 06S M14x1,4 |
| 5 | 6 | M14x1,5 | 3.0 | 30 | 30 | - | P12 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 30 | 30 | - | P12 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 30 | 30 | 6 | P12 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 30 | 30 | 7 | P12 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 31 | 30 | 8 | P12 06 12S M20x1,5 |
| 8 | 10 | M18x1,5 | 4.0 | 32 | 35 | 6 | P12 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 34 | 35 | 8 | P12 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 35 | 35 | 7 | P12 08 14S M22x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 34 | 35 | 8 | P12 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 34 | 35 | 6 | P12 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 34 | 35 | 7 | P12 10 16S M24x1,5 |
| 13 | 12 | M20x1,5 | 9.0 | 42 | 43 | - | P12 13 12S M20x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 42 | 43 | 6 | P12 13 16S M24x1,5 |
| 13 | 20 | M30x1,5 | 9.0 | 43 | 43 | - | P12 13 20S M30x1,5 |
| 13 | 20 | M30x2 | 9.0 | 43 | 43 | 7 | P12 13 20S M30x2 |
| 16 | 16 | M24x1,5 | 12.5 | 55 | 55 | - | P12 16 16S M24x1,5 |
| 16 | 20 | M30x1,5 | 12.5 | 55 | 55 | - | P12 16 20S M30x1,5 |
| 16 | 20 | M30x2 | 12.5 | 55 | 55 | 6 | P12 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 55 | 55 | 7 | P12 16 25S M36x2 |
| 20 | 25 | M36x1,5 | 15.0 | 64 | 62 | - | P12 20 25S M36x1,5 |
| 20 | 25 | M36x2 | 15.0 | 64 | 62 | 6 | P12 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 64 | 62 | 7 | P12 20 30S M42x2 |
| 25 | 25 | 36x2 | 20.0 | 72 | 75 | - | P12 25 25S M36x2 |
| 25 | 30 | M42x2 | 20.0 | 72 | 75 | 6 | P12 25 30S M42x2 |
| 25 | 38 | M52x2 | 20.0 | 72 | 75 | 7 | P12 25 38S M52x2 |
| 32 | 38 | M52x2 | 26.0 | 84 | 94 | 6 | P12 32 38S M52x2 |



DN06 ÷ DN13

Na zamówienie wykonujemy w wersji kompaktowej.

For request we execute in compact version.

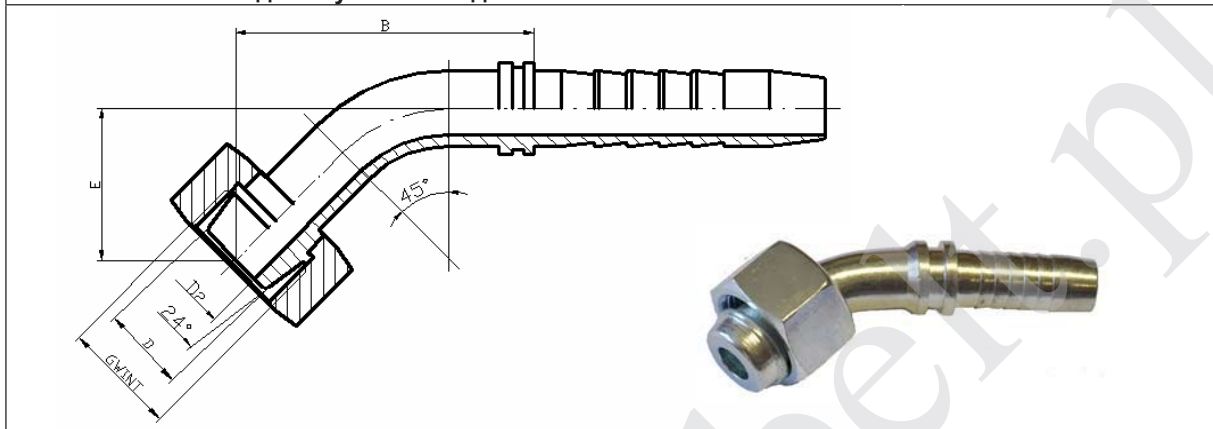
На заказ изготавливаем в компактной версии.

DKL 45 (P15) ODMIANA LEKKA

Końcówka kątowa uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° female nipple, universal, working with conical socket 24°, 60° LIGHT SERIES.

Угловой нипель 45° до конусного гнезда 24° и 60° ЛЁГКАЯ ВЕРСИЯ.



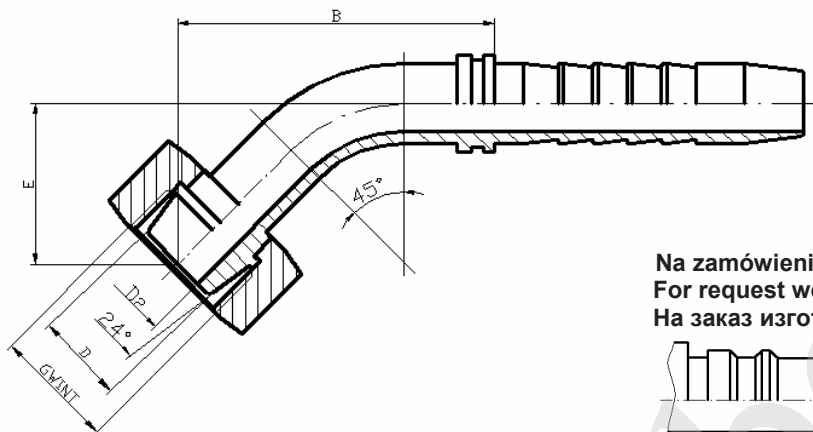
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 17 | 53 | - | P15 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 17 | 53 | - | P15 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 17 | 53 | - | P15 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 17 | 53 | - | P15 04 06L M12x1,5 |
| 5 | 5 | M10x1 | 3.0 | 17 | 35 | - | P15 05 05L M10x1 |
| 5 | 6 | M12x1 | 3.0 | 17 | 35 | - | P15 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 17 | 35 | - | P15 05 06L M12x1,5 |
| 6 | 5 | M10x1 | 4.0 | 17 | 35 | - | P15 06 05L M10x1 |
| 6 | 6 | M12x1,5 | 4.0 | 17 | 35 | 3 | P15 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 17 | 35 | 1 | P15 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 18 | 36 | 2 | P15 06 10L M16x1,5 |
| 8 | 8 | M16x1,5 | 5.5 | 18 | 38 | - | P15 08 08L M16x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 18 | 38 | 1 | P15 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 18 | 39 | 2 | P15 08 12L M18x1,5 |
| 8 | 15 | M22x1,5 | 7.0 | 18 | 39 | - | P15 08 15L M22x1,5 |
| 8 | 16 | M22x1,5 | 7.0 | 18 | 39 | - | P15 08 16L M22x1,5 |
| 10 | 10 | M16x1,5 | 7.0 | 18 | 40 | 3 | P15 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 18 | 40 | 1 | P15 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 18 | 40 | 4 | P15 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 19 | 40 | 2 | P15 10 16L M22x1,5 |
| 13 | 12 | M18x1,5 | 9.0 | 22 | 48 | - | P15 13 12L M18x1,5 |
| 13 | 14 | M20x1,5 | 9.0 | 22 | 48 | - | P15 13 14L M20x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 22 | 48 | 3 | P15 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 27 | 49 | 1 | P15 13 16L M22x1,5 |
| 13 | 18 | M26x1,5 | 9.0 | 28 | 48 | - | P15 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 28 | 48 | - | P15 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 28 | 48 | 2 | P15 13 18L M27x2 |
| 16 | 18 | M27x2 | 12.5 | 28 | 54 | 1 | P15 16 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 28 | 54 | 3 | P15 16 18L M26x1,5 |
| 16 | 18 | M27x1,5 | 12.5 | 28 | 54 | 4 | P15 16 18L M27x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 28 | 55 | - | P15 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 28 | 55 | 2 | P15 16 22L M30x2 |
| 20 | 22 | M30x1,5 | 15.0 | 30 | 65 | - | P15 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 30 | 65 | 1 | P15 20 22L M30x2 |
| 20 | 22 | M33x1,5 | 15.0 | 30 | 65 | - | P15 20 22L M33x1,5 |
| 20 | 22 | M33x2 | 15.0 | 30 | 65 | 2 | P15 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 30 | 65 | - | P15 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 37 | 82 | 1 | P15 25 28L M36x2 |
| 25 | 28 | M38x1,5 | 20.0 | 37 | 82 | - | P15 25 28L M38x1,5 |
| 25 | 28 | M38x2 | 20.0 | 37 | 82 | - | P15 25 28L M38x2 |
| 32 | 35 | M45x2 | 26.0 | 39 | 115 | 1 | P15 32 35L M45x2 |
| 32 | 42 | M52x2 | 26.0 | 39 | 115 | - | P15 32 42L M52x2 |
| 40 | 42 | M52x2 | 26.0 | 52 | 100 | 1 | P15 32 35L M45x2 |

DKS 45 (P15) ODMIANA CIĘŻKA

Końcówka kątowa uniwersalna współpracująca z gniazdem stożkowym 24° i 60° wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° female nipple, universal, working with conical socket 24°, 60° HEAVY SERIES.

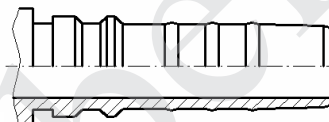
Угловой нипель 45° до конусного гнезда 24° i 60° ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



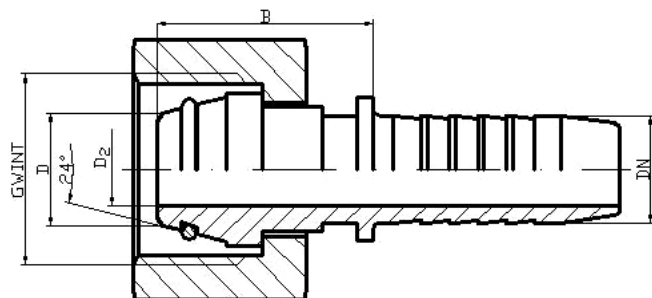
| średnica węza DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|---------|------------------------|-----------|-----------|--------------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 17 | 53 | | P15 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 2.0 | 17 | 53 | | P15 05 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 3.0 | 17 | 41 | - | P15 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 17 | 41 | - | P15 05 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 17 | 41 | 6 | P15 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 17 | 41 | 7 | P15 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 17 | 41 | 8 | P15 06 12S M20x1,5 |
| 8 | 10 | M18x1,5 | 4.0 | 18 | 47 | 6 | P15 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 17 | 46 | 8 | P15 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 18 | 47 | 7 | P15 08 14S M22x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 18 | 40 | 8 | P15 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 18 | 42 | 6 | P15 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 19 | 42 | 7 | P15 10 16S M24x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 21 | 57 | 6 | P15 13 16S M24x1,5 |
| 13 | 20 | M30x1,5 | 9.0 | 22 | 66 | - | P15 13 20S M30x1,5 |
| 13 | 20 | M30x2 | 9.0 | 22 | 66 | 7 | P15 13 20S M30x2 |
| 16 | 20 | M30x1,5 | 12.5 | 28 | 71 | - | P15 16 20S M30x1,5 |
| 16 | 20 | M30x2 | 12.5 | 28 | 71 | 6 | P15 16 20S M30x2 |
| 16 | 25 | M36x1,5 | 12.5 | 28 | 71 | - | P15 16 25S M36x1,5 |
| 16 | 25 | M36x2 | 12.5 | 28 | 71 | 7 | P15 16 25S M36x2 |
| 20 | 25 | M36x1,5 | 15.0 | 33 | 85 | - | P15 20 25S M36x1,5 |
| 20 | 25 | M36x2 | 15.0 | 33 | 85 | 6 | P15 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 39 | 83 | 7 | P15 20 30S M42x2 |
| 25 | 25 | M36x2 | 15.0 | 39 | 83 | - | P15 25 25S M36x2 |
| 25 | 30 | M42x2 | 20.0 | 39 | 83 | 6 | P15 25 30S M42x2 |
| 25 | 38 | M52x2 | 20.0 | 39 | 82 | 7 | P15 25 38S M52x2 |
| 32 | 38 | M52x2 | 26.0 | 39 | 115 | 6 | P15 32 38S M52x2 |

DKOL (P51) ODMIANA LEKKA

Końcówka prosta ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight female nipple with cone 24°, o-ring LIGHT SERIES.

Нипель с резиновым кольцом до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



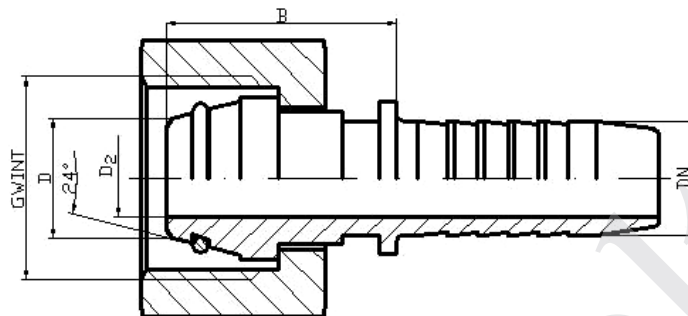
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|---------|------------------------|-----------|--------------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 36 | - | P51 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 36 | - | P51 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 36 | - | P51 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 36 | - | P51 04 06L M12x1,5 |
| 5 | 6 | M12x1 | 3.0 | 22 | - | P51 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 22 | - | P51 05 06L M12x1,5 |
| 6 | 6 | M12x1 | 4.0 | 22 | - | P51 06 06L M12x1 |
| 6 | 6 | M12x1,5 | 4.0 | 22 | 3 | P51 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 22 | 1 | P51 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 22 | 2 | P51 06 10L M16x1,5 |
| 6 | 12 | M18x1,5 | 4.0 | 22 | 4 | P51 06 12L M18x1,5 |
| 8 | 8 | M14x1,5 | 5.5 | 23 | - | P51 08 08L M14x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 23 | 1 | P51 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 23 | 2 | P51 08 12L M18x1,5 |
| 10 | 10 | M16x1,5 | 7.0 | 23 | 3 | P51 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 23 | 1 | P51 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 25 | 4 | P51 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 25 | 2 | P51 10 16L M22x1,5 |
| 13 | 12 | M18x1,5 | 9.0 | 25 | - | P51 13 12L M18x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 25 | 3 | P51 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 25 | 1 | P51 13 16L M22x1,5 |
| 13 | 18 | M27x2 | 9.0 | 27 | 2 | P51 13 18L M27x2 |
| 13 | 18 | M26x1,5 | 9.0 | 27 | 4 | P51 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 27 | - | P51 13 18L M27x1,5 |
| 16 | 15 | M22x1,5 | 12.5 | 27 | - | P51 16 15L M22x1,5 |
| 16 | 16 | M22x1,5 | 12.5 | 27 | - | P51 16 16L M22x1,5 |
| 16 | 18 | M27x2 | 12.5 | 27 | 1 | P51 16 18L M27x2 |
| 16 | 18 | M27x1,5 | 13.5 | 26 | 4 | P51 16 18L M27x1,5 |
| 16 | 18 | M26x1,5 | 12.5 | 27 | 3 | P51 16 18L M26x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 30 | - | P51 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 30 | 2 | P51 16 22L M30x2 |
| 20 | 18 | M26x1,5 | 15.0 | 30 | - | P51 20 18L M26x1,5 |
| 20 | 18 | M27x1,5 | 15.0 | 30 | - | P51 20 18L M27x1,5 |
| 20 | 18 | M27x2 | 15.0 | 30 | - | P51 20 18L M27x2 |
| 20 | 22 | M30x1,5 | 15.0 | 30 | - | P51 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 30 | 1 | P51 20 22L M30x2 |
| 20 | 22 | M33x2 | 15.0 | 30 | 2 | P51 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 32 | - | P51 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 32 | 1 | P51 25 28L M36x2 |
| 32 | 35 | M45x2 | 26.0 | 42 | 1 | P51 32 35L M45x2 |
| 40 | 42 | M52x2 | 32.0 | 50 | 1 | P51 40 42L M52x2 |

DKOS (P51) ODMIANA CIĘŻKA

Końcówka prosta ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight female nipple with cone 24°, o-ring HEAVY SERIES.

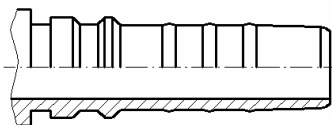
Нипель с резиновым кольцом до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

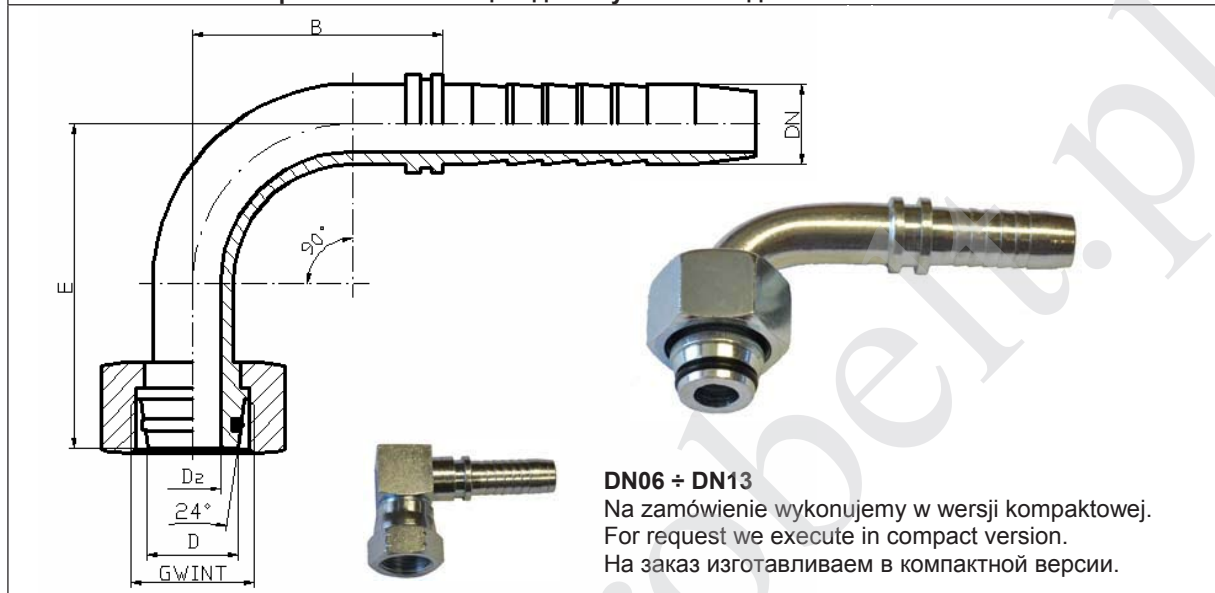
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|---------|------------------------|-----------|--------------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 36 | - | P51 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 2.0 | 36 | - | P51 04 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 3.0 | 22 | - | P51 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 22 | - | P51 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 24 | 6 | P51 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 24 | 7 | P51 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 25 | 8 | P51 06 12S M20x1,5 |
| 8 | 8 | M16x1,5 | 5.5 | 25 | - | P51 08 08S M16x1,5 |
| 8 | 10 | M18x1,5 | 5.5 | 25 | 6 | P51 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 25 | 8 | P51 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 26 | 7 | P51 08 14S M22x1,5 |
| 10 | 10 | M18x1,5 | 7.0 | 26 | - | P51 10 10S M18x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 26 | 8 | P51 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 26 | 6 | P51 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 28 | 7 | P51 10 16S M24x1,5 |
| 13 | 14 | M22x1,5 | 9.0 | 28 | 8 | P51 13 14S M22x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 28 | 6 | P51 13 16S M24x1,5 |
| 13 | 20 | M30x2 | 12.5 | 28 | - | P51 13 20S M30x2 |
| 16 | 16 | M24x1,5 | 12.5 | 28 | - | P51 16 16S M24x1,5 |
| 16 | 20 | M30x1,5 | 12.5 | 28 | - | P51 16 20S M30x1,5 |
| 16 | 20 | M30x2 | 12.5 | 28 | 6 | P51 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 30 | 7 | P51 16 25S M36x2 |
| 20 | 20 | M30x2 | 15.0 | 30 | - | P51 20 20S M30x2 |
| 20 | 25 | M36x2 | 15.0 | 30 | 6 | P51 20 25S M36x2 |
| 25 | 30 | M42x2 | 20.0 | 40 | 6 | P51 25 30S M42x2 |
| 25 | 38 | M52x2 | 20.0 | 40 | - | P51 25 38S M52x2 |
| 32 | 38 | M52x2 | 26.0 | 45 | 6 | P51 32 38S M52x2 |

DKOL 90 (P52) ODMIANA LEKKA

Końcówka kątowa ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° female nipple with cone 24°, o-ring LIGHT SERIES.

Угловой нипель 90° с резиновым кольцом до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



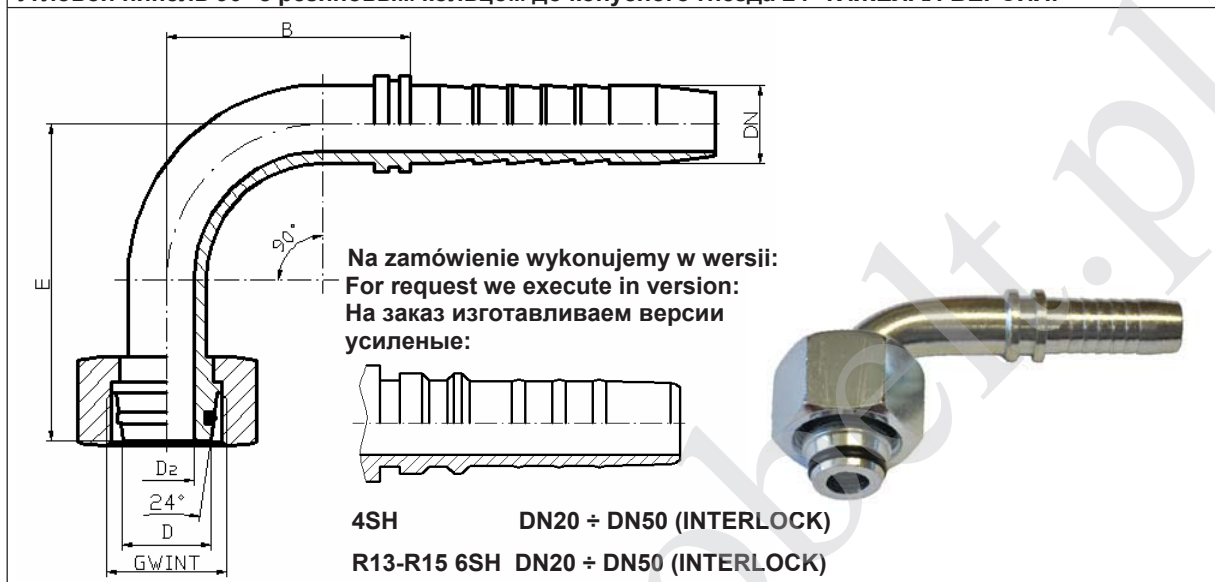
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 26 | 36 | - | P52 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 26 | 36 | - | P52 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 26 | 36 | - | P52 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 26 | 36 | - | P52 04 06L M12x1,5 |
| 5 | 6 | M12x1 | 3.0 | 30 | 30 | - | P52 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 30 | 30 | - | P52 05 06L M12x1,5 |
| 6 | 6 | M12x1,5 | 4.0 | 30 | 30 | 3 | P52 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 30 | 30 | 1 | P52 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 30 | 30 | 2 | P52 06 10L M16x1,5 |
| 6 | 12 | M18x1,5 | 4.0 | 30 | 30 | - | P52 06 12L M18x1,5 |
| 8 | 8 | M14x1,5 | 5.5 | 32 | 35 | - | P52 08 08L M14x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 32 | 35 | 1 | P52 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 34 | 35 | 2 | P52 08 12L M18x1,5 |
| 10 | 10 | M16x1,5 | 7.0 | 34 | 35 | 3 | P52 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 34 | 35 | 1 | P52 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 34 | 35 | 4 | P52 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 34 | 35 | 2 | P52 10 16L M22x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 42 | 43 | 3 | P52 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 42 | 43 | 1 | P52 13 16L M22x1,5 |
| 13 | 18 | M26x1,5 | 9.0 | 42 | 43 | - | P52 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 42 | 43 | - | P52 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 42 | 43 | 2 | P52 13 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 52 | 55 | 3 | P52 16 18L M26x1,5 |
| 16 | 18 | M27x2 | 12.5 | 52 | 55 | 1 | P52 16 18L M27x2 |
| 16 | 18 | M27x1,5 | 12.5 | 52 | 55 | 4 | P52 16 18L M27x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 52 | 55 | - | P52 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 52 | 55 | 2 | P52 16 22L M30x2 |
| 20 | 22 | M30x1,5 | 15.0 | 62 | 62 | - | P52 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 62 | 62 | 1 | P52 20 22L M30x2 |
| 20 | 22 | M33x2 | 15.0 | 62 | 62 | 2 | P52 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 62 | 62 | - | P52 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 70 | 75 | 1 | P52 25 28L M36x2 |
| 32 | 35 | M45x2 | 26.0 | 84 | 94 | 1 | P52 32 35L M45x2 |
| 40 | 42 | M52x2 | 32.0 | 103 | 105 | 1 | P52 40 42L M52x2 |

DKOS 90 (P52) ODMIANA CIĘŻKA

Końcówka kątowa ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° female nipple with cone 24°, o-ring HEAVY SERIES.

Угловой нипель 90° с резиновым кольцом до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 26 | 36 | - | P52 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 2.0 | 26 | 36 | - | P52 04 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 3.0 | 30 | 30 | - | P52 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 30 | 30 | - | P52 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 30 | 30 | 6 | P52 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 30 | 30 | 7 | P52 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 31 | 30 | 8 | P52 06 12S M20x1,5 |
| 8 | 8 | M16x1,5 | 5.5 | 32 | 34 | - | P52 08 08S M16x1,5 |
| 8 | 10 | M18x1,5 | 5.5 | 32 | 35 | 6 | P52 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 34 | 35 | 8 | P52 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 35 | 35 | 7 | P52 08 14S M22x1,5 |
| 10 | 10 | M18x1,5 | 7.0 | 34 | 35 | - | P52 10 10S M18x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 34 | 35 | 8 | P52 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 34 | 35 | 6 | P52 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 34 | 35 | 7 | P52 10 16S M24x1,5 |
| 13 | 12 | M20x1,5 | 9.0 | 42 | 43 | - | P52 13 12S M20x1,5 |
| 13 | 14 | M22x1,5 | 9.0 | 42 | 43 | 8 | P52 13 14S M22x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 42 | 43 | 6 | P52 13 16S M24x1,5 |
| 13 | 20 | M30x2 | 12.5 | 55 | 55 | - | P52 13 20S M30x2 |
| 16 | 20 | M30x2 | 12.5 | 55 | 55 | 6 | P52 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 55 | 55 | 7 | P52 16 25S M36x2 |
| 20 | 20 | M30x2 | 15.0 | 64 | 62 | - | P52 20 20S M36x2 |
| 20 | 25 | M36x2 | 15.0 | 64 | 62 | 6 | P52 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 64 | 62 | - | P52 20 30S M42x2 |
| 25 | 30 | M42x2 | 20.0 | 72 | 75 | 6 | P52 25 30S M42x2 |
| 32 | 38 | M52x2 | 26.0 | 84 | 94 | 6 | P52 32 38S M52x2 |



DN06 ÷ DN13

Na zamówienie wykonujemy w wersji kompaktowej.

For request we execute in compact version.

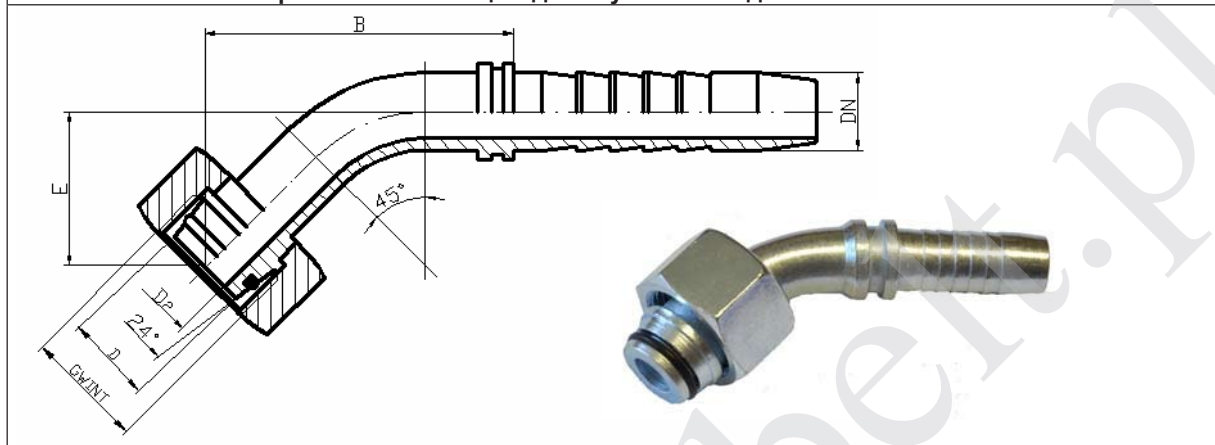
На заказ изготавливаем в компактной версии.

DKOL 45 (P55) ODMIANA LEKKA

Końcówka kątowa ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° female nipple with cone 24°, o-ring LIGHT SERIES.

Угловой нипель 45° с резиновым кольцом до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



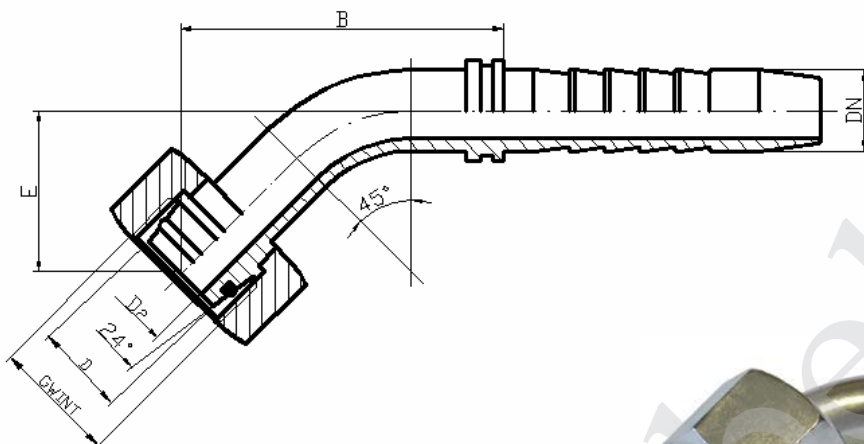
| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M12x1 | 2.0 | 18 | 54 | - | P55 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 2.0 | 18 | 54 | - | P55 3.7 06L M12x1,5 |
| 4 | 6 | M12x1 | 2.0 | 18 | 54 | - | P55 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 2.0 | 18 | 54 | - | P55 04 06L M12x1,5 |
| 5 | 6 | M12x1 | 3.0 | 15 | 40 | - | P55 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 15 | 40 | - | P55 05 06L M12x1,5 |
| 6 | 6 | M12x1,5 | 4.0 | 15 | 40 | 3 | P55 06 06L M12x1,5 |
| 6 | 8 | M14x1,5 | 4.0 | 16 | 41 | 1 | P55 06 08L M14x1,5 |
| 6 | 10 | M16x1,5 | 4.0 | 17 | 42 | 2 | P55 06 10L M16x1,5 |
| 6 | 12 | M18x1,5 | 4.0 | 17 | 42 | - | P55 06 12L M18x1,5 |
| 8 | 8 | M16x1,5 | 5.5 | 18 | 45 | - | P55 08 08L M16x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 18 | 45 | 1 | P55 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 19 | 45 | 2 | P55 08 12L M18x1,5 |
| 10 | 10 | M16x1,5 | 5.5 | 18 | 44 | 3 | P55 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 18 | 44 | 1 | P55 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 18 | 42 | 4 | P55 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 18 | 42 | 2 | P55 10 16L M22x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 22 | 58 | 3 | P55 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 22 | 58 | 1 | P55 13 16L M22x1,5 |
| 13 | 18 | M26x1,5 | 9.0 | 22 | 57 | - | P55 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 22 | 57 | - | P55 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 22 | 57 | 2 | P55 13 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 27 | 68 | 3 | P55 16 18L M26x1,5 |
| 16 | 18 | M27x2 | 12.5 | 25 | 68 | 1 | P55 16 18L M27x2 |
| 16 | 18 | M27x1,5 | 12.5 | 25 | 68 | 4 | P55 16 18L M27x,5 |
| 16 | 22 | M30x1,5 | 12.5 | 27 | 68 | - | P55 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 27 | 68 | 2 | P55 16 22L M30x2 |
| 20 | 22 | M30x1,5 | 15.0 | 30 | 80 | - | P55 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 30 | 80 | 1 | P55 20 22L M30x2 |
| 20 | 22 | M33x2 | 15.0 | 30 | 80 | 2 | P55 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 30 | 80 | - | P55 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 37 | 82 | 1 | P55 25 28L M36x2 |
| 32 | 35 | M45x2 | 26.0 | 39 | 115 | 1 | P55 32 35L M45x2 |
| 40 | 42 | M52x2 | 32.0 | 53 | 113 | 1 | P55 40 42L M52x2 |

DKOS 45 (P55) ODMIANA CIĘŻKA

Końcówka kątowa ze stożkiem 24° i pierścieniem uszczelniającym i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° female nipple with cone 24°, o-ring HEAVY SERIES.

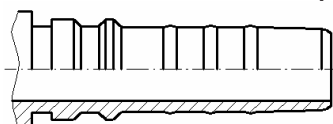
Угловой нипель 45° с резиновым кольцом до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

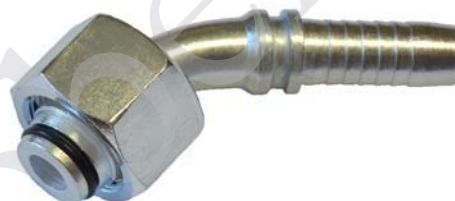
For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

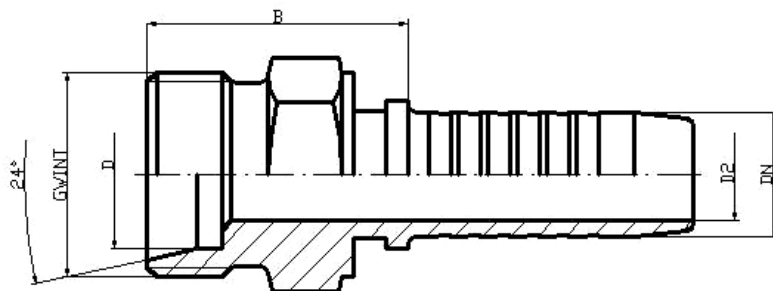


| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M14x1,5 | 2.0 | 18 | 54 | - | P55 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 2.0 | 18 | 54 | - | P55 04 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 3.0 | 15 | 40 | - | P55 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 17 | 35 | - | P55 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 17 | 35 | 6 | P55 06 08S M16x1,5 |
| 6 | 10 | M18x1,5 | 4.0 | 17 | 35 | 7 | P55 06 10S M18x1,5 |
| 6 | 12 | M20x1,5 | 4.0 | 17 | 35 | 8 | P55 06 12S M20x1,5 |
| 8 | 8 | M16x1,5 | 5.5 | 18 | 38 | - | P55 08 08S M16x1,5 |
| 8 | 10 | M18x1,5 | 5.5 | 18 | 38 | 6 | P55 08 10S M18x1,5 |
| 8 | 12 | M20x1,5 | 5.5 | 17 | 38 | 8 | P55 08 12S M20x1,5 |
| 8 | 14 | M22x1,5 | 5.5 | 18 | 38 | 7 | P55 08 14S M22x1,5 |
| 10 | 10 | M18x1,5 | 7.0 | 18 | 40 | - | P55 10 10S M18x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 18 | 40 | 8 | P55 10 12S M20x1,5 |
| 10 | 14 | M22x1,5 | 7.0 | 18 | 40 | 6 | P55 10 14S M22x1,5 |
| 10 | 16 | M24x1,5 | 7.0 | 19 | 40 | 7 | P55 10 16S M24x1,5 |
| 13 | 12 | M20x1,5 | 9.0 | 22 | 48 | - | P55 13 12S M20x1,5 |
| 13 | 14 | M22x1,5 | 9.0 | 22 | 48 | 8 | P55 13 14S M22x1,5 |
| 13 | 16 | M24x1,5 | 9.0 | 27 | 48 | 6 | P55 13 16S M24x1,5 |
| 13 | 20 | M30x2 | 9.0 | 27 | 48 | - | P55 13 20S M30x2 |
| 16 | 20 | M30x2 | 12.5 | 28 | 54 | 6 | P55 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 28 | 54 | 7 | P55 16 25S M36x2 |
| 20 | 20 | M30x2 | 15.0 | 33 | 71 | - | P55 20 20S M30x2 |
| 20 | 25 | M36x2 | 15.0 | 33 | 71 | 6 | P55 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 33 | 71 | - | P55 20 30S M42x2 |
| 25 | 30 | M42x2 | 20.0 | 39 | 82 | 6 | P55 25 30S M42x2 |
| 32 | 38 | M52x2 | 26.0 | 39 | 115 | 6 | P55 32 38S M52x2 |

CEL (P21) ODMIANA LEKKA

Końcówka prosta ze stożkiem wewnętrznym 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.
Straight male nipple with internal cone 24° LIGHT SERIES.

Нипель с внутренним конусом 24° ЛЁГКАЯ ВЕРСИЯ.



| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------|---------|------------------------|-----------|-----------|--------------------|---------------------|
| 3.7 | 6 | M12x1 | 3.0 | 27 | 13 | - | P21 3.7 06L M12x1 |
| 3.7 | 6 | M12x1,5 | 3.0 | 27 | 13 | - | P21 3.7 06L M12x1.5 |
| 4 | 6 | M12x1 | 3.0 | 27 | 13 | - | P21 04 06L M12x1 |
| 4 | 6 | M12x1,5 | 3.0 | 27 | 13 | - | P21 04 06L M12x1.5 |
| 5 | 6 | M12x1 | 3.0 | 27 | 13 | - | P21 05 06L M12x1 |
| 5 | 6 | M12x1,5 | 3.0 | 27 | 13 | - | P21 05 06L M12x1.5 |
| 6 | 5 | M10x1 | 4.0 | 27 | 13 | - | P21 06 05L M10x1 |
| 6 | 6 | M12x1 | 4.0 | 27 | 13 | - | P21 06 06L M12x1 |
| 6 | 6 | M12x1,5 | 4.0 | 27 | 13 | 3 | P21 06 06L M12x1.5 |
| 6 | 8 | M14x1,5 | 4.0 | 27 | 17 | 1 | P21 06 08L M14x1.5 |
| 6 | 10 | M16x1,5 | 4.0 | 27 | 17 | 2 | P21 06 10L M16x1.5 |
| 6 | 12 | M18x1,5 | 4.0 | 23 | 19 | - | P21 06 12L M18x1,5 |
| 8 | 8 | M14x1,5 | 5.5 | 27 | 17 | - | P21 08 08L M14x1,5 |
| 8 | 10 | M16x1,5 | 5.5 | 27 | 17 | 1 | P21 08 10L M16x1,5 |
| 8 | 12 | M18x1,5 | 5.5 | 27 | 19 | 2 | P21 08 12L M18x1,5 |
| 8 | 15 | M22x1,5 | 5.5 | 23 | 22 | - | P21 08 15L M22x1,5 |
| 8 | 16 | M22x1,5 | 5.5 | 23 | 22 | - | P21 08 16L M22x1,5 |
| 10 | 10 | M16x1,5 | 7.0 | 27 | 17 | - | P21 10 10L M16x1,5 |
| 10 | 12 | M18x1,5 | 7.0 | 23 | 19 | 1 | P21 10 12L M18x1,5 |
| 10 | 15 | M22x1,5 | 7.0 | 23 | 22 | 3 | P21 10 15L M22x1,5 |
| 10 | 16 | M22x1,5 | 7.0 | 23 | 22 | 2 | P21 10 16L M22x1,5 |
| 13 | 12 | M18x1,5 | 9.0 | 23 | 19 | - | P21 13 12L M18x1,5 |
| 13 | 14 | M20x1,5 | 9.0 | 23 | 22 | - | P21 13 14L M20x1,5 |
| 13 | 15 | M22x1,5 | 9.0 | 23 | 22 | 3 | P21 13 15L M22x1,5 |
| 13 | 16 | M22x1,5 | 9.0 | 23 | 22 | 1 | P21 13 16L M22x1,5 |
| 13 | 18 | M26x1,5 | 9.0 | 28 | 27 | - | P21 13 18L M26x1,5 |
| 13 | 18 | M27x1,5 | 9.0 | 28 | 27 | - | P21 13 18L M27x1,5 |
| 13 | 18 | M27x2 | 9.0 | 28 | 27 | 2 | P21 13 18L M27x2 |
| 16 | 15 | M22x1,5 | 12.5 | 23 | 27 | - | P21 16 15L M22x1,5 |
| 16 | 16 | M22x1,5 | 12.5 | 23 | 27 | - | P21 16 16L M22x1,5 |
| 16 | 18 | M27x1,5 | 12.5 | 28 | 27 | - | P21 16 18L M27x1,5 |
| 16 | 18 | M27x2 | 12.5 | 28 | 27 | 1 | P21 16 18L M27x2 |
| 16 | 18 | M26x1,5 | 12.5 | 28 | 27 | 3 | P21 16 18L M26x1,5 |
| 16 | 22 | M30x1,5 | 12.5 | 28 | 30 | - | P21 16 22L M30x1,5 |
| 16 | 22 | M30x2 | 12.5 | 28 | 30 | 2 | P21 16 22L M30x2 |
| 20 | 18 | M26x1,5 | 15.0 | 28 | 27 | - | P21 20 18L M26x1,5 |
| 20 | 22 | M30x1,5 | 15.0 | 28 | 30 | - | P21 20 22L M30x1,5 |
| 20 | 22 | M30x2 | 15.0 | 28 | 30 | 1 | P21 20 22L M30x2 |
| 20 | 22 | M33x1,5 | 15.0 | 28 | 36 | - | P21 20 22L M33x1,5 |
| 20 | 22 | M33x2 | 15.0 | 28 | 36 | - | P21 20 22L M33x2 |
| 20 | 28 | M36x2 | 15.0 | 31 | 36 | - | P21 20 28L M36x2 |
| 25 | 28 | M36x2 | 20.0 | 31 | 36 | 1 | P21 25 28L M36x2 |
| 32 | 35 | M45x2 | 26.0 | 36 | 46 | 1 | P21 32 35L M45x2 |
| 40 | 42 | M52x2 | 32.0 | 40 | 55 | 1 | P21 40 42L M52x2 |

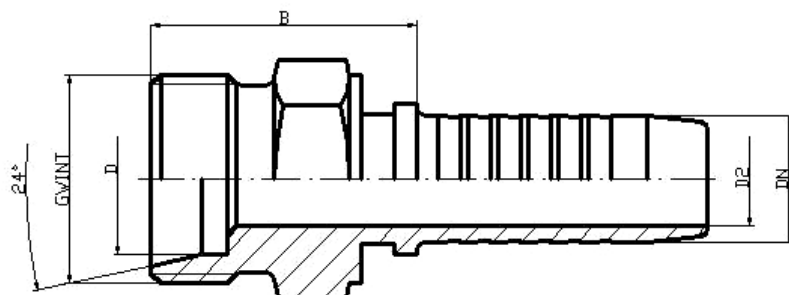
S-sześciokąt; S-шестигранник; S- hexagon

CES (P21) ODMIANA CIĘŻKA

Końcówka prosta ze stożkiem wewn. 24st. i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight male nipple with internal cone 24° HEAVY SERIES.

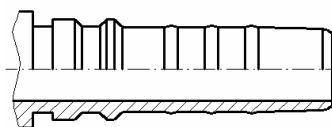
Нипель с внутренним конусом 24° ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------|---------|---------------------|--------|--------|-----------------|---------------------|
| 3.7 | 6 | M14x1,5 | 4.0 | 28 | 17 | - | P21 3.7 06S M14x1,5 |
| 4 | 6 | M14x1,5 | 4.0 | 28 | 17 | - | P21 04 06S M14x1,5 |
| 5 | 6 | M14x1,5 | 4.0 | 28 | 17 | - | P21 05 06S M14x1,5 |
| 6 | 6 | M14x1,5 | 4.0 | 28 | 17 | - | P21 06 06S M14x1,5 |
| 6 | 8 | M16x1,5 | 4.0 | 28 | 17 | 6 | P21 06 08S M16x1.5 |
| 6 | 10 | M18x1,5 | 4.0 | 28 | 19 | 7 | P21 06 10S M18x1.5 |
| 6 | 12 | M20x1,5 | 4.0 | 29 | 22 | 8 | P21 06 12S M20x1.5 |
| 8 | 10 | M18x1,5 | 4.0 | 29 | 19 | 6 | P21 08 10S M18x1.5 |
| 8 | 12 | M20x1,5 | 5.5 | 28 | 22 | 8 | P21 08 12S M20x1.5 |
| 8 | 14 | M22x1,5 | 5.5 | 29 | 22 | 7 | P21 08 14S M22x1.5 |
| 10 | 10 | M18x1,5 | 7.0 | 29 | 19 | - | P21 10 10S M18x1,5 |
| 10 | 12 | M20x1,5 | 7.0 | 27 | 22 | 8 | P21 10 12S M20x1.5 |
| 10 | 14 | M22x1,5 | 7.0 | 29 | 22 | 6 | P21 10 14S M22x1.5 |
| 10 | 16 | M24x1,5 | 7.0 | 32 | 24 | 7 | P21 10 16S M24x1.5 |
| 13 | 12 | M20x1,5 | 9.0 | 34 | 22 | - | P21 13 12S M20x1,5 |
| 13 | 14 | M22x1,5 | 9.0 | 34 | 22 | 8 | P21 13 14S M22x1.5 |
| 13 | 16 | M24x1,5 | 9.0 | 32 | 24 | 6 | P21 13 16S M24x1.5 |
| 16 | 16 | M24x1,5 | 12.5 | 32 | 24 | - | P21 16 16S M24x1,5 |
| 16 | 20 | M30x2 | 12.5 | 36 | 30 | 6 | P21 16 20S M30x2 |
| 16 | 25 | M36x2 | 12.5 | 38 | 36 | 7 | P21 16 25S M36x2 |
| 20 | 20 | M30x2 | 15.0 | 36 | 30 | - | P21 20 20S M30x2 |
| 20 | 25 | M36x2 | 15.0 | 38 | 36 | 6 | P21 20 25S M36x2 |
| 20 | 30 | M42x2 | 15.0 | 40 | 46 | - | P21 20 30S M42x2 |
| 25 | 25 | M36x2 | 20.0 | 38 | 36 | - | P21 25 25S M36x2 |
| 25 | 30 | M42x2 | 20.0 | 40 | 46 | 6 | P21 25 30S M42x2 |
| 25 | 38 | M52x2 | 20.0 | 45 | 55 | - | P21 25 38S M52x2 |
| 32 | 30 | M42x2 | 26.0 | 40 | 46 | - | P21 32 30S M42x2 |
| 32 | 38 | M52x2 | 26.0 | 45 | 55 | 6 | P21 30 38S M52x2 |

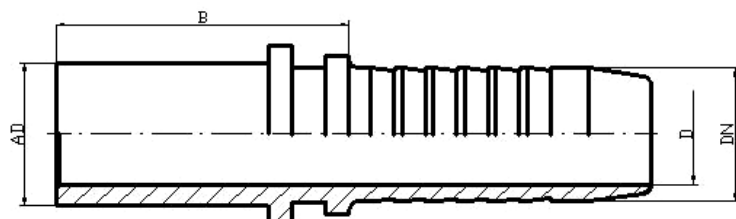
S-sześciokąt; S-шестигранник; S- hexagon

BEL (P31) ODMIANA LEKKA

Końcówka rurkowa prosta pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight standpipe LIGHT SERIES.

Нипель под зажимное кольцо до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



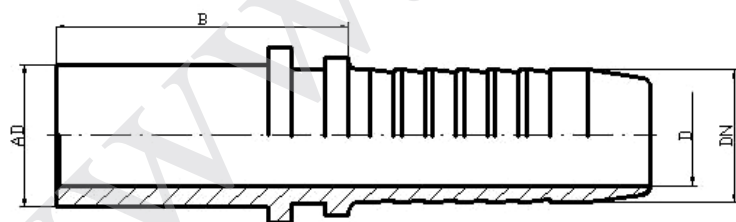
| średnica węża DN | wymiar AD pod rurkę | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|-----------------|---------------------|
| 6 | 6 | 3.5 | 30 | 2 | P31 06 06L |
| 6 | 8 | 4.0 | 30 | 1 | P31 06 08L |
| 6 | 10 | 4.0 | 30 | 3 | P31 06 10L |
| 8 | 10 | 5.5 | 30 | 1 | P31 08 10L |
| 8 | 12 | 5.5 | 32 | 2 | P31 08 12L |
| 10 | 12 | 7.0 | 32 | 1 | P31 10 12L |
| 10 | 15 | 7.0 | 34 | 2 | P31 10 15L |
| 13 | 15 | 9.0 | 36 | 2 | P31 13 15L |
| 13 | 16 | 9.0 | 39 | 1 | P31 13 16L |
| 16 | 18 | 12.5 | 38 | 1 | P31 16 18L |
| 20 | 22 | 15.0 | 41 | 1 | P31 20 22L |
| 25 | 28 | 20.0 | 46 | 1 | P31 25 28L |
| 32 | 35 | 26.0 | 46 | 1 | P31 32 35L |
| 40 | 42 | 32.0 | 46 | 1 | P31 40 42L |

BES (P31) ODMIANA CIĘŻKA

Końcówka rurkowa prosta pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Straight standpipe HEAVY SERIES.

Нипель под зажимное кольцо до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



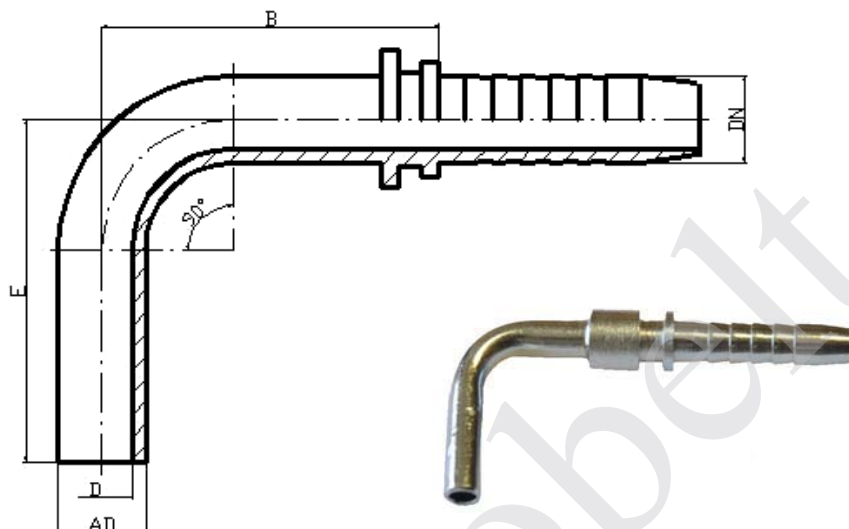
| średnica węża DN | wymiar AD pod rurkę | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|-----------------|---------------------|
| 6 | 6 | 3.5 | 30 | 8 | P31 06 06S |
| 6 | 8 | 4.0 | 30 | 6 | P31 06 08S |
| 6 | 10 | 4.0 | 30 | 7 | P31 06 10S |
| 8 | 10 | 5.5 | 30 | 6 | P31 08 10S |
| 8 | 12 | 5.5 | 32 | 7 | P31 08 12S |
| 10 | 12 | 7.0 | 32 | 8 | P31 10 12S |
| 10 | 14 | 7.0 | 34 | 6 | P31 10 14S |
| 10 | 16 | 7.0 | 37 | 7 | P31 10 16S |
| 13 | 14 | 9.0 | 36 | 7 | P31 13 14S |
| 13 | 16 | 9.0 | 38 | 6 | P31 13 16S |
| 16 | 20 | 12.5 | 38 | 6 | P31 16 20S |
| 20 | 25 | 15.0 | 41 | 6 | P31 20 25S |
| 25 | 30 | 20.0 | 46 | 6 | P31 25 30S |
| 32 | 38 | 26.0 | 46 | 6 | P31 32 38S |

BEL 90 (P32) ODMIANA LEKKA

Końcówka rurkowa kątowa pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° standpipe LIGHT SERIES.

Угловой нипель 90° под зажимное кольцо до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



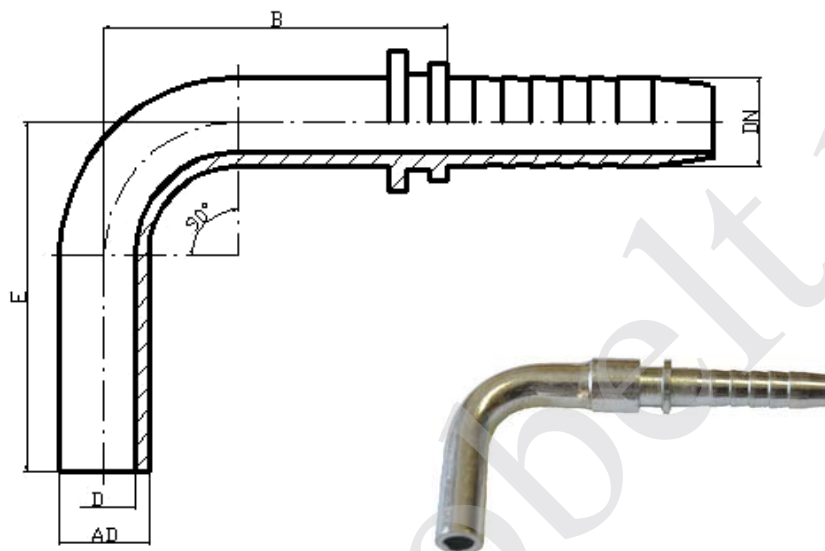
| średnica węża DN | wymiar AD pod rurkę | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|--------|-----------------|---------------------|
| 6 | 6 | 3.0 | 30 | 30 | 2 | P32 06 06L |
| 6 | 8 | 4.0 | 30 | 30 | 1 | P32 06 08L |
| 6 | 10 | 4.0 | 30 | 30 | 3 | P32 06 10L |
| 8 | 10 | 5.5 | 32 | 35 | 1 | P32 08 10L |
| 8 | 12 | 5.5 | 34 | 35 | 2 | P32 08 12L |
| 10 | 12 | 7.0 | 34 | 35 | 1 | P32 10 12L |
| 10 | 15 | 7.0 | 34 | 35 | 2 | P32 10 15L |
| 13 | 15 | 9.0 | 42 | 43 | 2 | P32 13 15L |
| 13 | 16 | 9.0 | 42 | 43 | 1 | P32 13 16L |
| 16 | 18 | 12.5 | 52 | 55 | 1 | P32 16 18L |
| 20 | 22 | 15.0 | 62 | 62 | 1 | P32 20 22L |
| 25 | 28 | 20.0 | 70 | 75 | 1 | P32 25 28L |
| 32 | 35 | 26.0 | 84 | 94 | 1 | P32 32 35L |
| 40 | 42 | 32.0 | 103 | 105 | 1 | P32 40 42L |

BES 90 (P32) ODMIANA CIĘŻKA

Końcówka rurkowa kątowa pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 90° standpipe HEAVY SERIES.

Угловой нипель 90° под зажимное кольцо до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



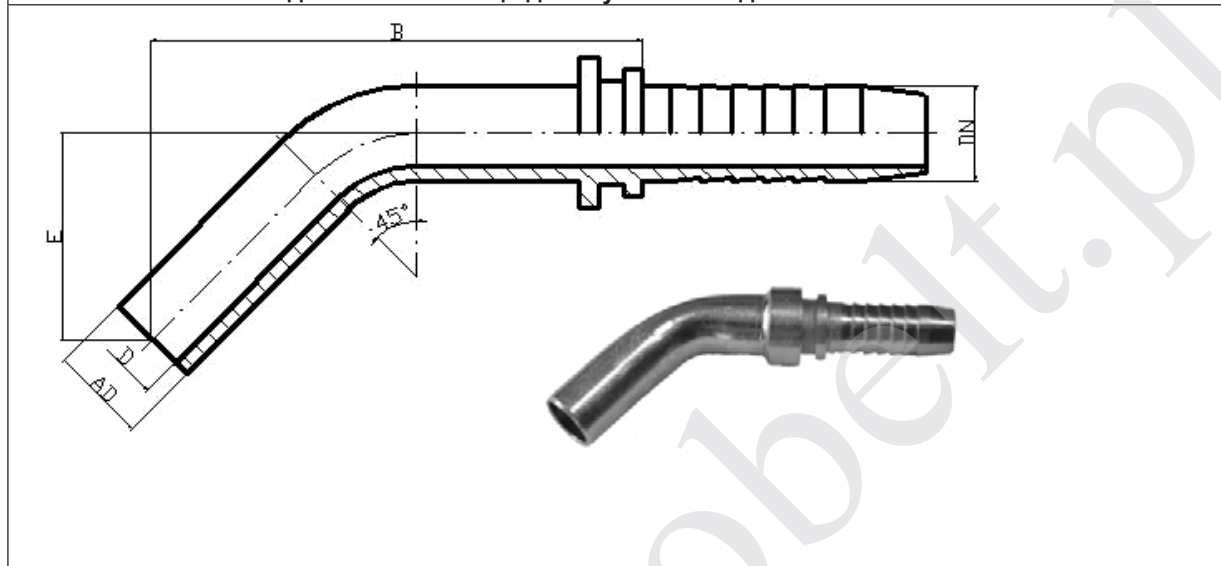
| średnica węża DN | wymiar AD pod rurkę | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|--------|-----------------|---------------------|
| 6 | 8 | 4.0 | 30 | 30 | 8 | P32 06 08S |
| 6 | 10 | 4.0 | 30 | 30 | 7 | P32 06 10S |
| 6 | 6 | 3.0 | 30 | 30 | 8 | P32 06 06S |
| 8 | 10 | 5.5 | 32 | 35 | 6 | P32 08 10S |
| 8 | 12 | 5.5 | 34 | 35 | 7 | P32 08 12S |
| 10 | 12 | 7.0 | 34 | 35 | 8 | P32 10 12S |
| 10 | 14 | 7.0 | 34 | 35 | 6 | P32 10 14S |
| 10 | 16 | 7.0 | 34 | 35 | 7 | P32 10 16S |
| 13 | 14 | 9.0 | 42 | 43 | 7 | P32 13 14S |
| 13 | 16 | 9.0 | 42 | 43 | 6 | P32 13 16S |
| 16 | 20 | 12.5 | 55 | 55 | 6 | P32 16 20S |
| 20 | 25 | 15.0 | 64 | 62 | 6 | P32 20 25S |
| 25 | 30 | 20.0 | 72 | 75 | 6 | P32 25 30S |
| 32 | 38 | 26.0 | 84 | 94 | 6 | P32 32 38S |

BEL 45 (P35) ODMIANA LEKKA

Końcówka rurkowa kątowa pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° standpipe LIGHT SERIES.

Угловой нипель 45° под зажимное кольцо до конусного гнезда 24° ЛЁГКАЯ ВЕРСИЯ.



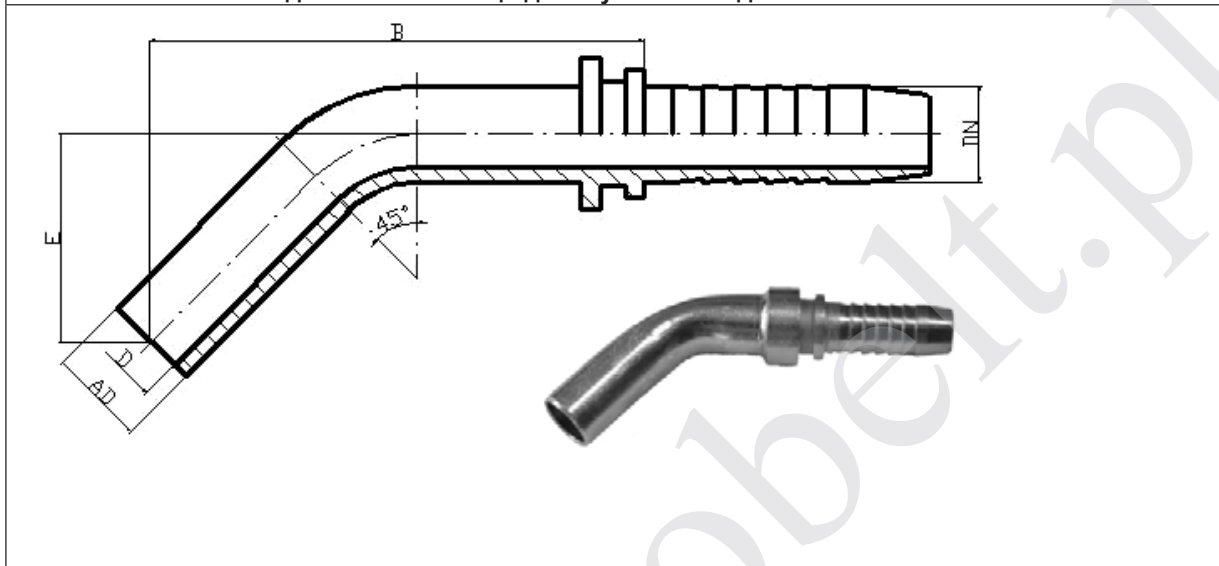
| średnica węża DN | wymiar AD pod rurkę | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|--------|-----------------|---------------------|
| 6 | 6 | 3.0 | 20.0 | 51 | 2 | P35 06 06L |
| 6 | 8 | 4.0 | 20.0 | 53 | 1 | P35 06 08L |
| 6 | 10 | 4.0 | 22.0 | 53 | 3 | P35 06 10L |
| 8 | 10 | 5.5 | 22.0 | 52 | 1 | P35 08 10L |
| 8 | 12 | 5.5 | 22.0 | 57 | 2 | P35 08 12L |
| 10 | 12 | 7.0 | 22.0 | 57 | 1 | P35 10 12L |
| 10 | 15 | 7.0 | 22.5 | 61 | 2 | P35 10 15L |
| 13 | 15 | 9.0 | 22.5 | 63 | 2 | P35 13 15L |
| 13 | 16 | 9.0 | 31.0 | 77 | 1 | P35 13 16L |
| 16 | 18 | 12.5 | 31.0 | 76 | 1 | P35 16 18L |
| 20 | 22 | 15.0 | 32.0 | 84 | 1 | P35 20 22L |
| 25 | 28 | 20.0 | 40.0 | 95 | 1 | P35 25 28L |
| 32 | 35 | 26.0 | 43.0 | 104 | 1 | P35 32 35L |
| 40 | 42 | 32.0 | 46.0 | 111 | 1 | P35 40 42L |

BES 45 (P35) ODMIANA CIĘŻKA

Końcówka rurkowa kątowa pod pierścień zacinający współpracująca z gniazdem 24° i wg PN-65/M-73140, PN-65/M-73141, DIN 3901, DIN 3902.

Elbow 45° standpipe HEAVY SERIES.

Угловой нипель 45° под зажимное кольцо до конусного гнезда 24° ТЯЖЁЛАЯ ВЕРСИЯ.



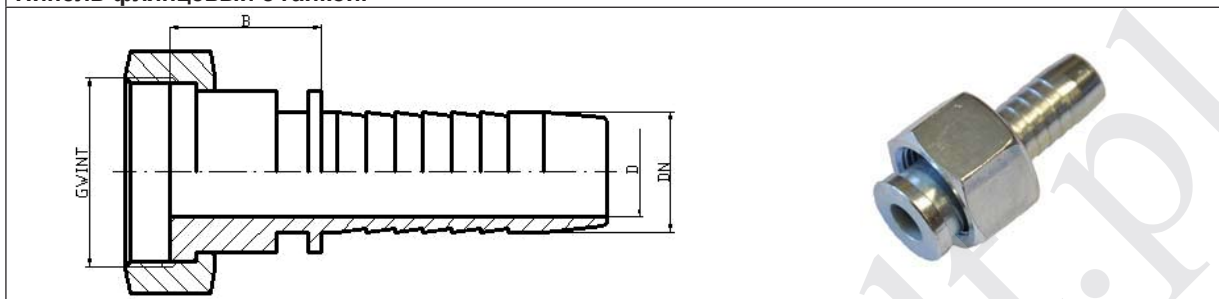
| średnica węża DN | wymiar AD pod rurkę | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------------------|--------|--------|--------|-----------------|---------------------|
| 6 | 8 | 4.0 | 20.0 | 51 | 8 | P35 06 08S |
| 6 | 10 | 4.0 | 22.0 | 53 | 7 | P35 06 10S |
| 6 | 6 | 3.0 | 20.0 | 51 | 8 | P35 06 06S |
| 8 | 10 | 5.5 | 22.0 | 52 | 6 | P35 08 10S |
| 8 | 12 | 5.5 | 22.0 | 57 | 7 | P35 08 12S |
| 10 | 12 | 7.0 | 22.0 | 57 | 8 | P35 10 12S |
| 10 | 14 | 7.0 | 22.5 | 61 | 6 | P35 10 14S |
| 10 | 16 | 7.0 | 31.0 | 74 | 7 | P35 10 16S |
| 13 | 14 | 9.0 | 22.5 | 63 | 7 | P35 13 14S |
| 13 | 16 | 9.0 | 31.0 | 77 | 6 | P35 13 16S |
| 16 | 20 | 12.5 | 32.0 | 81 | 6 | P35 16 20S |
| 20 | 25 | 15.0 | 40.0 | 91 | 6 | P35 20 25S |
| 25 | 30 | 20.0 | 43.0 | 101 | 6 | P35 25 30S |
| 32 | 38 | 26.0 | 46.0 | 110 | 6 | P35 32 38S |

DKL-FL (P41)

Końcówka prosta do uszczelnień czołowych.

Straight female nipple - flat seal.

Нипель фланцевый с гайкой.



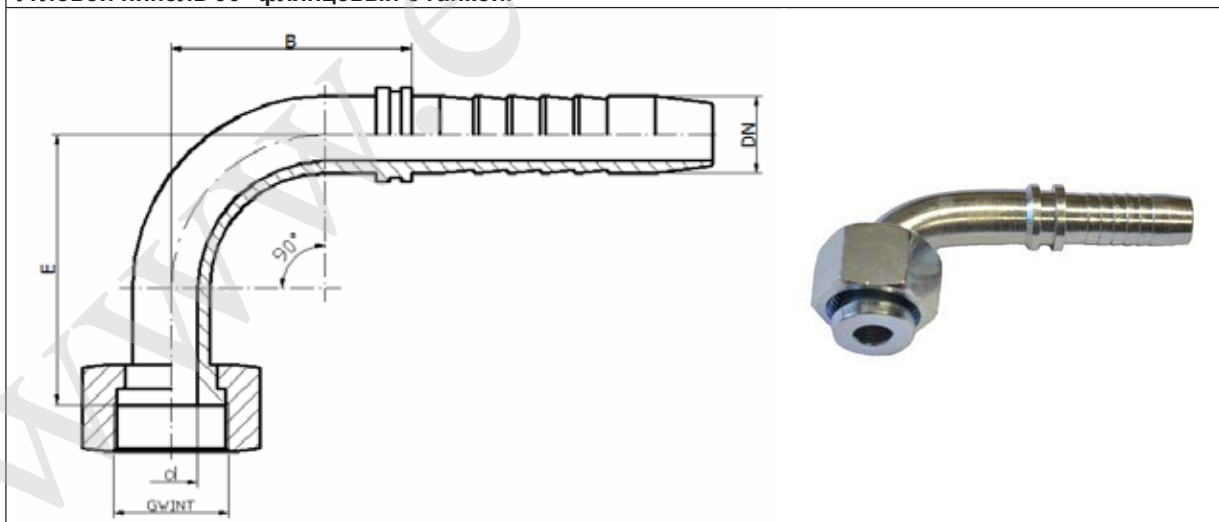
| średnica węży DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|-----------------|---------------------|
| 6 | M14x1,5 | 4.0 | 10.5 | 1 | P41 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 12.7 | 1 | P41 08 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 15.0 | 1 | P41 10 M18x1,5 |
| 13 | M22x1,5 | 9.0 | 13.0 | 1 | P41 13 M22x1,5 |
| 16 | M27x2 | 12.5 | 18.5 | 1 | P41 16 M27x2 |
| 16 | M26x1,5 | 12.5 | 18.5 | 3 | P41 16 M26x1,5 |
| 20 | M30x1,5 | 15.0 | 20.0 | 1 | P41 20 M30x1,5 |
| 25 | M38x1,5 | 20.0 | 24.0 | 1 | P41 25 M38x1,5 |

DKL-FL 90 (P42)

Końcówka kątowa do uszczelnień czołowych.

Elbow 90° female nipple - flat seal.

Угловой нипель 90° фланцевый с гайкой.



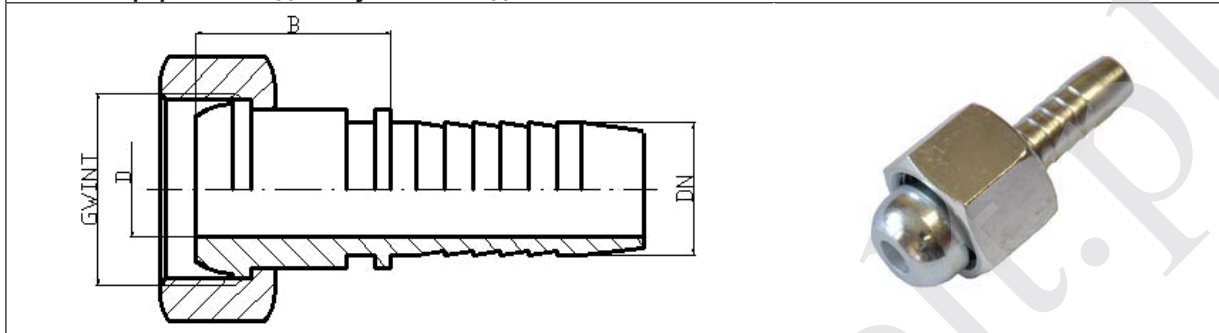
| średnica węży DN | Gwint | d [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|--------|-----------------|---------------------|
| 10 | M18x1,5 | 7.0 | 30 | 35 | 1 | P42 10 M18x1,5 |
| 13 | M22x1,5 | 9.0 | 38 | 43 | 1 | P42 13 M22x1,5 |

DKM (P61)

Końcówka prosta kulista współpracująca z gniazdem 60° i pierścieniem uszczelniającym i wg DIN 7631, DIN 7647.

Straight female nipple working with socket 60°.

Нипель сферический до конусного гнезда 60°.



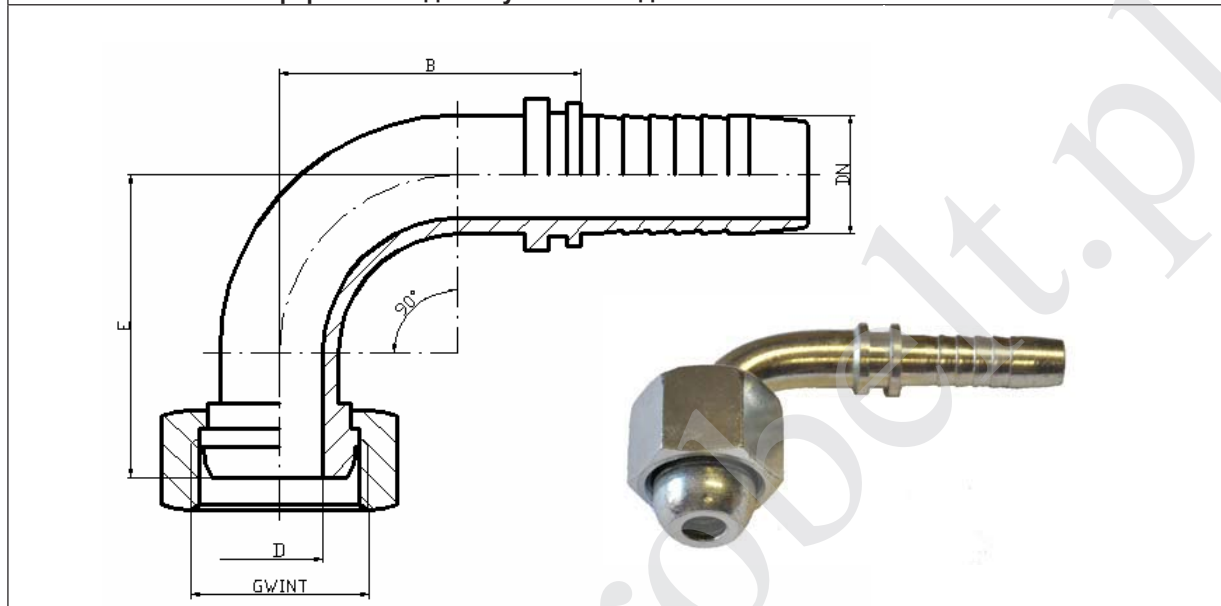
| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|--------------------|---------------------|
| 6 | M14x1,5 | 4.0 | 19 | 1 | P61 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 21 | 1 | P61 08 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 22 | 1 | P61 10 M18x1,5 |
| 13 | M22x1,5 | 9.0 | 26 | 1 | P61 13 M22x1,5 |
| 16 | M26x1,5 | 12.5 | 25 | 1 | P61 16 M26x1,5 |
| 20 | M30x1,5 | 15.0 | 30 | 1 | P61 20 M30x1,5 |
| 25 | M38x1,5 | 20.0 | 30 | 1 | P61 25 M38x1,5 |
| 32 | M45x1,5 | 26.0 | 38 | 1 | P61 32 M45x1,5 |

DKM 90 (P62)

Końcówka gięta kulista współpracująca z gniazdem 60° i pierścieniem uszczelniającym i wg DIN 7631, DIN 7647.

Elbow 90° female nipple working with socket 60°

Угловой 90° нипель сферический до конусного гнезда 60°.



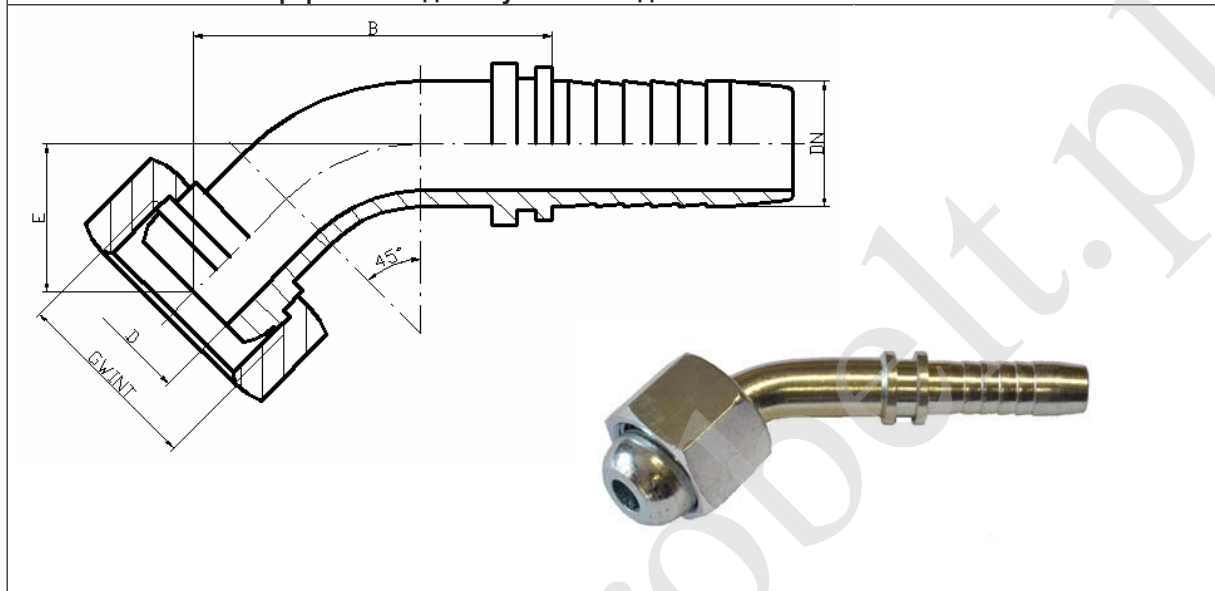
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|--------|-----------------|---------------------|
| 6 | M14x1,5 | 4.0 | 30 | 30 | 1 | P62 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 32 | 35 | 1 | P62 08 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 34 | 35 | 1 | P62 10 M18x1,5 |
| 13 | M22x1,5 | 9.0 | 42 | 42 | 1 | P62 13 M22x1,5 |
| 16 | M26x1,5 | 12.5 | 52 | 52 | 1 | P62 16 M26x1,5 |
| 20 | M30x1,5 | 15.0 | 62 | 62 | 1 | P62 20 M30x1,5 |
| 25 | M38x1,5 | 20.0 | 70 | 75 | 1 | P62 25 M38x1,5 |
| 32 | M45x1,5 | 26.0 | 84 | 94 | 1 | P62 32 M45x1,5 |

DKM 45 (P65)

Końcówka gięta kulista współpracująca z gniazdem 60° i pierścieniem uszczelniającym i wg DIN 7631, DIN 7647.

Elbow 45° female nipple working with socket 60°.

Угловой 45° нипель сферический до конусного гнезда 60°.



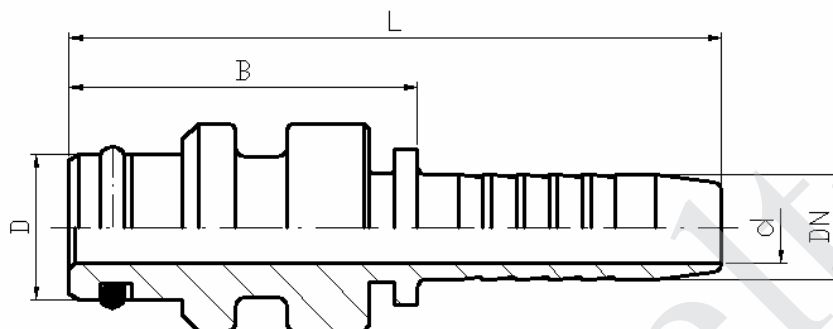
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|--------|-----------------|---------------------|
| 6 | M14x1,5 | 4.0 | 17 | 35 | 1 | P65 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 18 | 38 | 1 | P65 08 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 18 | 40 | 1 | P65 10 M18x1,5 |
| 13 | M22x1,5 | 9.0 | 22 | 48 | 1 | P65 13 M22x1,5 |
| 16 | M26x1,5 | 12.5 | 28 | 54 | 1 | P65 16 M26x1,5 |
| 20 | M30x1,5 | 15.0 | 30 | 65 | 1 | P65 20 M30x1,5 |
| 25 | M38x1,5 | 20.0 | 37 | 82 | 1 | P65 25 M38x1,5 |
| 32 | M45x1,5 | 26.0 | 39 | 115 | 1 | P65 32 M45x1,5 |

STECK-O (P71)

Końcówka wtykowa wg PN-92/G-32000.

Contact nipple STECKO.

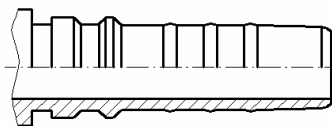
Нипель СТЕСК-О.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | Pierścień uszczelniający | Pierścień oporowy | d [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------------------------|----------------------|-----------|-----------|-----------|--------------------|------------------------|
| 06 | 6x2 | 6.8/10 | 4.0 | 10.0 | 34.0 | 1 | P71 06 |
| 08 | 10x2 | 10.8/14.1 | 5.5 | 14.0 | 34.0 | 1 | P71 08 |
| 10 | 10x2 | 10.8/14.1 | 7.0 | 14.0 | 34.0 | 1 | P71 10 |
| 13 | 13x2,5 | 14/18.1 | 9.0 | 18.0 | 34.5 | 1 | P71 13 |
| 16* | 15x2,5 | - | 12.5 | 21.0 | 35.0 | 1 | P71 16 |
| 20 | 19x2,5 | 20/24.1 | 15.0 | 24.0 | 35.5 | 1 | P71 20 |
| 25 | 25x2,5 | 27/31.1 | 20.0 | 31.0 | 42.3 | 1 | P71 25 |
| 32 | 33x2,5 | 34/38.1 | 26.0 | 38.0 | 42.5 | 1 | P71 32 |
| 40 | 41x2,5 | - | 32.0 | 47.0 | 48.2 | 1 | P71 40 |
| 50 | 50x2,5 | - | 42.0 | 56.0 | 50.0 | 1 | P71 50 |

*

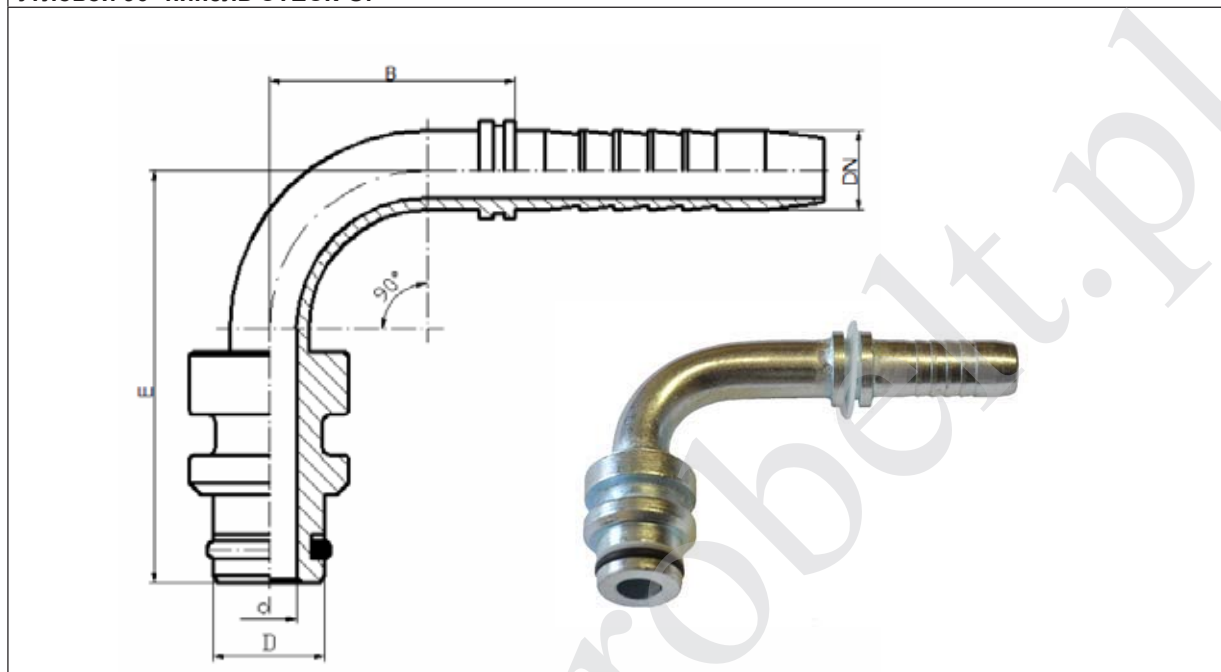
- wykonanie wg GOST;
- realization according GOST
- изготавливается согласно ГОСТ

STECK-O 90 (P72)

Końcówka wtykowa gięta wg PN-92/G-32000.

Elbow 90° contact nipple STECKO.

Угловой 90° нипель СТЕСК-О.



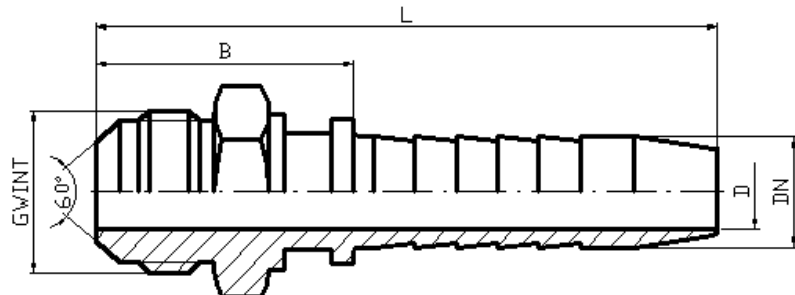
| średnica węża DN | Pierścień uszczelniający | Pierścień oporowy | d [mm] | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|--------------------------|-------------------|--------|--------|--------|--------|-----------------|---------------------|
| 08 | 10x2 | 10.8/14.1 | 5.5 | 14.0 | 50.0 | 21.0 | 1 | P72 08 |
| 10 | 10x2 | 10.8/14.1 | 7.0 | 14.0 | 50.0 | 21.0 | 1 | P72 10 |
| 13 | 13x2,5 | 14/18.1 | 9.0 | 18.0 | 53.0 | 50.0 | 1 | P72 13 |
| 20 | 19x2,5 | 20/24.1 | 15.0 | 24.0 | 70.0 | 65 | 1 | P72 20 |
| 25 | 25x2,5 | 27/31.1 | 20.0 | 31.0 | 89.0 | 73 | 1 | P72 25 |

ADK (P81)

Końcówka prosta ze stożkiem zewnętrznym 60°.

Straight male nipple with cone 60°.

Нипель с наружным конусом 60°.



- na życzenie klienta końcówki P81 wykonujemy także w wersji ze stożkiem 74°.
- по требованиям заказчика нипель P81 с наружным конусом 74°.
- for request P81 with cone 74°.

| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | M14x1,5 | 4.0 | 24 | 17 | 1 | P81 06 M14x1,5 |
| 8 | M14x1,5 | 5.5 | 24 | 17 | - | P81 08 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 26 | 17 | 1 | P81 08 M16x1,5 |
| 10 | M14x1,5 | 7.0 | 24 | 17 | - | P81 10 M14x1,5 |
| 10 | M16x1,5 | 7.0 | 26 | 17 | - | P81 10 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 28 | 19 | 1 | P81 10 M18x1,5 |
| 10 | M20x1,5 | 7.0 | 33 | 22 | - | P81 10 M20x1,5 |
| 13 | M18x1,5 | 9.0 | 28 | 19 | - | P81 13 M18x1,5 |
| 13 | M20x1,5 | 9.0 | 33 | 22 | - | P81 13 M20x1,5 |
| 13 | M22x1,5 | 9.0 | 33 | 22 | 1 | P81 13 M22x1,5 |
| 13 | M24x1,5 | 9.0 | 33 | 24 | 2 | P81 13 M24x1,5 |
| 16 | M22x1,5 | 12.5 | 33 | 22 | - | P81 16 M22x1,5 |
| 16 | M27x1,5 | 12.5 | 38 | 27 | - | P81 16 M27x1,5 |
| 16 | M27x2 | 12.5 | 38 | 27 | 1 | P81 16 M27x2 |
| 20 | M30x1,5 | 15.0 | 40 | 30 | - | P81 20 M30x1,5 |
| 20 | M33x1,5 | 15.0 | 40 | 36 | - | P81 20 M33x1,5 |
| 20 | M33x2 | 15.0 | 40 | 36 | 1 | P81 20 M33x2 |
| 25 | M33x1,5 | 20.0 | 40 | 36 | - | P81 25 M33x1,5 |
| 25 | M33x2 | 20.0 | 40 | 36 | - | P81 25 M33x2 |
| 25 | M39x2 | 20.0 | 40 | 41 | 1 | P81 25 M39x2 |
| 32 | M36x1,5 | 26.0 | 40 | 36 | - | P81 32 M36x1,5 |
| 32 | M42x2 | 26.0 | 50 | 46 | 1 | P81 32 M42x2 |
| 40 | M42x2 | 32.0 | 50 | 46 | - | P81 40 M42x2 |

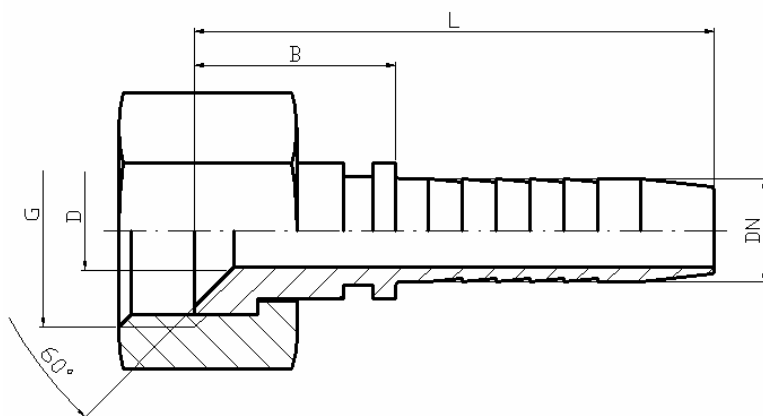
S-sześciokąt; S-шестигранник; S- hexagon

DK (P91) „KOMATSU”

Końcówka prosta ze stożkiem wewnętrznym 60°.

Straight female nipple with socket 60°.

Нипель с внутренним конусом 60°.



- na życzenie klienta końcówki P91 wykonujemy także w wersji z gniazdem 74°.
- по требованиям заказчика нипель P91 с внутренним конусом 74°.
- for request P91 with socket 74°.

| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|--------------------|---------------------|
| 6 | M14x1,5 | 4.0 | 28 | 1 | P91 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 30 | 1 | P91 08 M16x1,5 |
| 10 | M14x1,5 | 7.0 | 16.5 | - | P91 10 M14x1,5 |
| 10 | M16x1,5 | 7.0 | 30 | - | P91 10 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 31 | 1 | P91 10 M18x1,5 |
| 10 | M20x1,5 | 7.0 | 33 | - | P91 10 M20x1,5 |
| 13 | M20x1,5 | 9.0 | 33 | - | P91 13 M20x1,5 |
| 13 | M22x1,5 | 9.0 | 33 | 1 | P91 13 M22x1,5 |
| 13 | M24x1,5 | 9.0 | 33 | - | P91 13 M24x1,5 |
| 16 | M22x1,5 | 12.5 | 19 | - | P91 16 M22x1,5 |
| 16 | M27x1,5 | 12.5 | 36 | - | P91 16 M27x1,5 |
| 16 | M27x2 | 12.5 | 36 | 1 | P91 16 M27x2 |
| 20 | M30x1,5 | 15.0 | 23 | - | P91 20 M30x1,5 |
| 20 | M33x1,5 | 15.0 | 41 | - | P91 20 M33x1,5 |
| 20 | M33x2 | 15.0 | 41 | 1 | P91 20 M33x2 |
| 25 | M33x1,5 | 20.0 | 24.5 | - | P91 25 M33x1,5 |
| 25 | M33x2 | 20.0 | 24.5 | - | P91 25 M33x2 |
| 25 | M39x2 | 20.0 | 45 | 1 | P91 25 M39x2 |
| 32 | M36x1,5 | 26.0 | 29 | - | P91 32 M36x1,5 |
| 32 | M42x2 | 26.0 | 31 | - | P91 32 M42x2 |
| 40 | M42x2 | 32.0 | 31 | 1 | P91 40 M42x2 |

- na życzenie klienta końcówki P91 wykonujemy także w wersji giętej.
- по требованиям заказчика нипель P91 производим угловые.
- for request P91 in elbow version

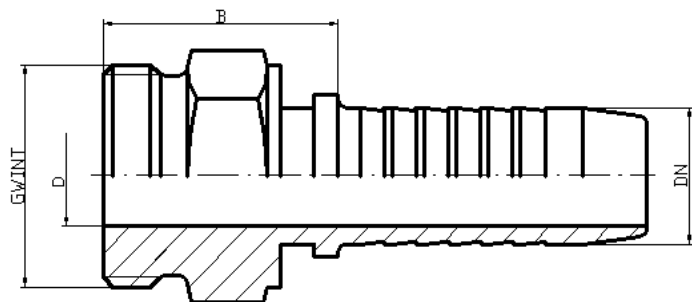


AGM-FL (H11)

Końcówka prosta współpracująca z gniazdem wg PN-64/M-73101.

Straight male nipple – flat seal.

Нипель.



| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|--------|-----------|-----------|--------------------|---------------------|
| 6 | M14x1,5 | 4.0 | 23 | 17 | 1 | H11 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 25 | 17 | 1 | H11 08 M16x1,5 |
| 10 | M16x1,5 | 7.0 | 25 | 17 | - | H11 10 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 24 | 19 | 1 | H11 10 M18x1,5 |
| 10 | M20x1,5 | 7.0 | 24 | 22 | 2 | H11 10 M20x1,5 |
| 13 | M22x1,5 | 9.0 | 30 | 22 | 1 | H11 13 M22x1,5 |
| 16 | M26x1,5 | 12.5 | 30 | 27 | 1 | H11 16 M26x1,5 |
| 16 | M27x1,5 | 12.5 | 30 | 27 | - | H11 16 M27x1,5 |
| 16 | M27x2 | 12.5 | 30 | 27 | 2 | H11 16 M27x2 |
| 20 | M33x2 | 15.0 | 34 | 36 | 1 | H11 20 M33x2 |
| 25 | M42x2 | 20.0 | 36 | 46 | 1 | H11 25 M42x2 |
| 32 | M48x2 | 26.0 | 39 | 50 | 1 | H11 32 M48x2 |

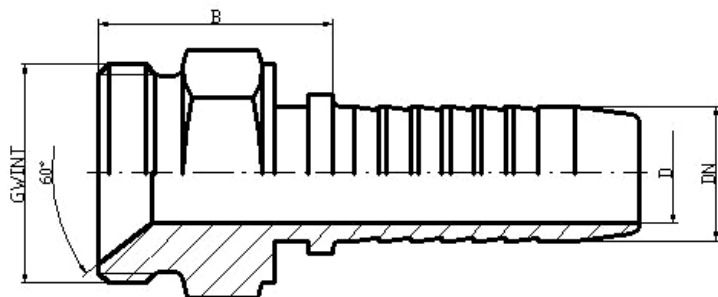
S-sześciokąt; S-шестигранник; S- hexagon

AGL (H21)

Końcówka prosta współpracująca z gniazdem 60° wg DIN 7631, DIN 7647.

Straight male nipple working with socket 60°.

Нипель с внутренним конусом 60°.



| średnica węza DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | M14x1,5 | 4.0 | 23 | 17 | 1 | H21 06 M14x1,5 |
| 8 | M16x1,5 | 5.5 | 25 | 17 | 1 | H21 08 M16x1,5 |
| 10 | M16x1,5 | 7.0 | 25 | 17 | - | H21 10 M16x1,5 |
| 10 | M18x1,5 | 7.0 | 24 | 19 | 1 | H21 10 M18x1,5 |
| 13 | M20x1,5 | 9.0 | 30 | 22 | - | H21 13 M20x1,5 |
| 13 | M22x1,5 | 9.0 | 30 | 22 | 1 | H21 13 M22x1,5 |
| 16 | M27x1,5 | 12.5 | 30 | 27 | - | H21 16 M27x1,5 |
| 16 | M26x1,5 | 12.5 | 30 | 27 | 1 | H21 16 M26x1,5 |
| 20 | M30x1,5 | 15.0 | 34 | 30 | 1 | H21 20 M30x1,5 |
| 25 | M38x1,5 | 20.0 | 36 | 41 | 1 | H21 25 M38x1,5 |
| 32 | M45x1,5 | 26.0 | 39 | 46 | 1 | H21 32 M45x1,5 |

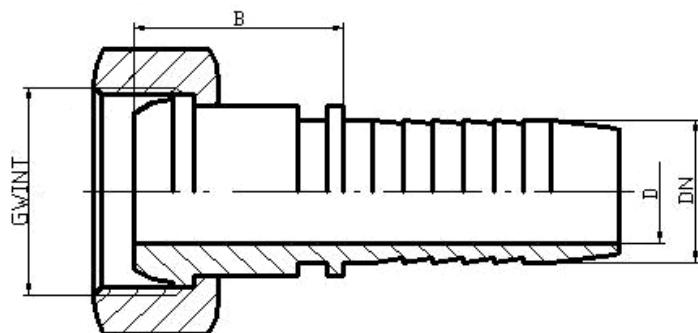
S-sześciokąt; S-шестигранник; S- hexagon

WNP (H61)

Końcówka prosta kulista współpracująca z gniazdem 60°.

Straight female nipple working with socket 60°.

Нипель сферический до конусного гнезда 60°.



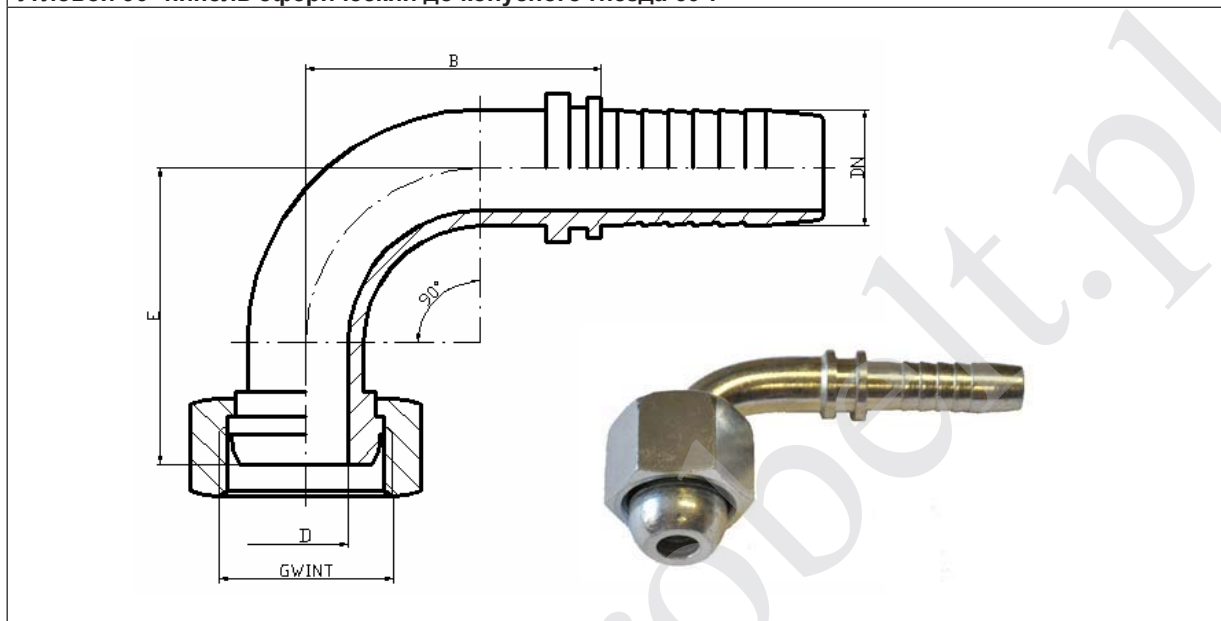
| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|--------------------|---------------------|
| 6 | M16x1.5 | 4.0 | 18.5 | 1 | H61 06 M16x1,5 |
| 8 | M16x1.5 | 5.5 | 18.5 | 1 | H61 08 M16x1,5 |
| 10 | M20x1.5 | 7.0 | 21.5 | 1 | H61 10 M20x1,5 |
| 13 | M20x1.5 | 9.0 | 23.5 | 1 | H61 13 M20x1,5 |
| 16 | M27x1.5 | 12.5 | 26.5 | 1 | H61 16 M27x1,5 |
| 20 | M33x2 | 15.0 | 22.8 | 1 | H61 20 M33x2 |

WNP 90 (H62)

Końcówka gięta kulista współpracująca z gniazdem 60°.

Elbow 90° female nipple working with socket 60°.

Угловой 90° нипель сферический до конусного гнезда 60°.



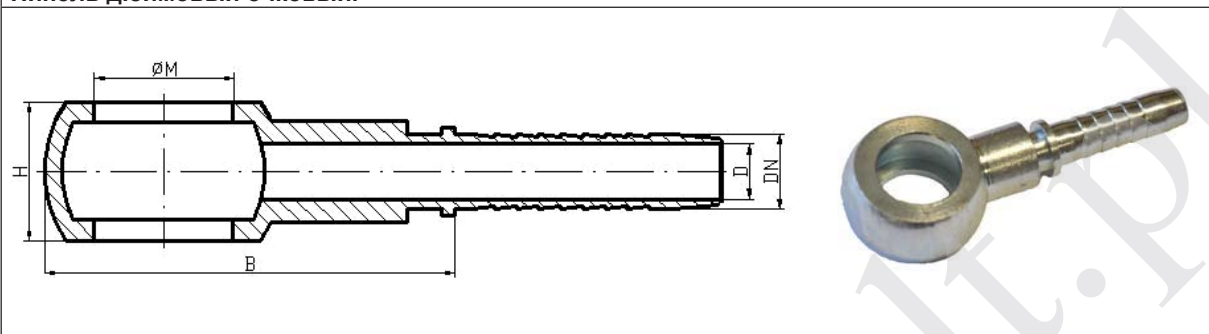
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|---------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | M16x1,5 | 4.0 | 30 | 30 | 1 | H62 06 M16x1,5 |
| 08 | M16x1,5 | 5.5 | 32 | 35 | 1 | H62 08 M16x1,5 |
| 10 | M20x1,5 | 7.0 | 34 | 35 | 1 | H62 10 M20x1,5 |
| 13 | M20x1,5 | 9.0 | 42 | 43 | 1 | H62 13 M20x1,5 |
| 16 | M27x1,5 | 12.5 | 52 | 55 | 1 | H62 16 M27x1,5 |
| 20 | M33x2 | 15.0 | 62 | 62 | 1 | H62 20 M33x2 |

RNR (C01)

Końcówka oczkowa współpracująca ze śrubą z gwintem BSP.

Banjo BSP.

Нипель дюймовый очковый.

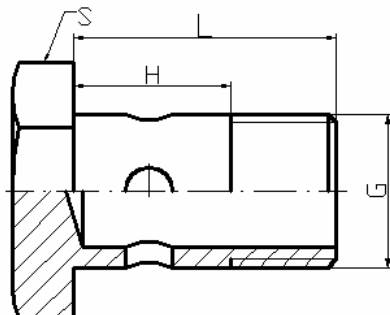


| średnica węża DN | średnica wew. oczka M | H [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|--------------------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/8" | 14 | 4.0 | 35 | 2 | C01 06 G1/8" 14 |
| 6 | G 1/4" | 13,5 | 4.0 | 35 | 1 | C01 06 G1/4" 13,5 |
| 8 | G 1/8" | 14 | 5.5 | 38 | 2 | C01 08 G1/8" 14 |
| 8 | G 1/4" | 13,5 | 5.5 | 38 | 1 | C01 08 G1/4" 13,5 |
| 10 | G 1/4" | 14 | 7.0 | 42 | 2 | C01 10 G1/4" 14 |
| 10 | G 3/8" | 17 | 7.0 | 42 | 1 | C01 10 G3/8" 17 |
| 13 | G 3/8" | 19 | 9.0 | 45 | 2 | C01 13 G3/8" 19 |
| 13 | G 1/2" | 22 | 9.0 | 45 | 1 | C01 13 G1/2" 22 |
| 16 | G 5/8" | 23,5 | 12.5 | 55 | 1 | C01 16 G5/8" 23,5 |
| 16 | G 1/2" | 22 | 12.5 | 55 | 2 | C01 16 G1/2" 22 |
| 20 | G 3/4" | 29 | 15.0 | 57 | 1 | C01 20 G3/4" 29 |
| 25 | G 3/4" | 32 | 20.0 | 64 | 2 | C01 25 G3/4" 32 |
| 25 | G 1" | 38 | 20.0 | 64 | 1 | C01 25 G1" 38 |

Śruba oczkowa calowa (SC01)

Banjo screw, BSP.

Болт банджо дюймовый .



| średnica wew. oczka M | wysokość oczka H [mm] | L [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|--------------------------|--------------------------|-----------|-----------|--------------------|---------------------|
| G 1/4" | 13,5 | 19 | 19 | 1 | SC01 1/4 12 L19 |
| G 3/8" | 17 | 28 | 22 | 1 | SC01 3/8 15 L28 |
| G 1/2" | 22 | 31 | 27 | 1 | SC01 1/2 19 L31 |
| G 5/8" | 23,5 | 40 | 30 | 1 | SC01 5/8 22 L40 |
| G 3/4" | 29 | 42 | 32 | 1 | SC01 3/4 26 L42 |
| G 1" | 38 | 47 | 41 | 1 | SC01 1 32 L47 |

H (wysokość oczka) – wykonujemy katalogowe pod nasze końcówki oczkowe i na życzenie klienta

H – то-же по требованиям заказчика

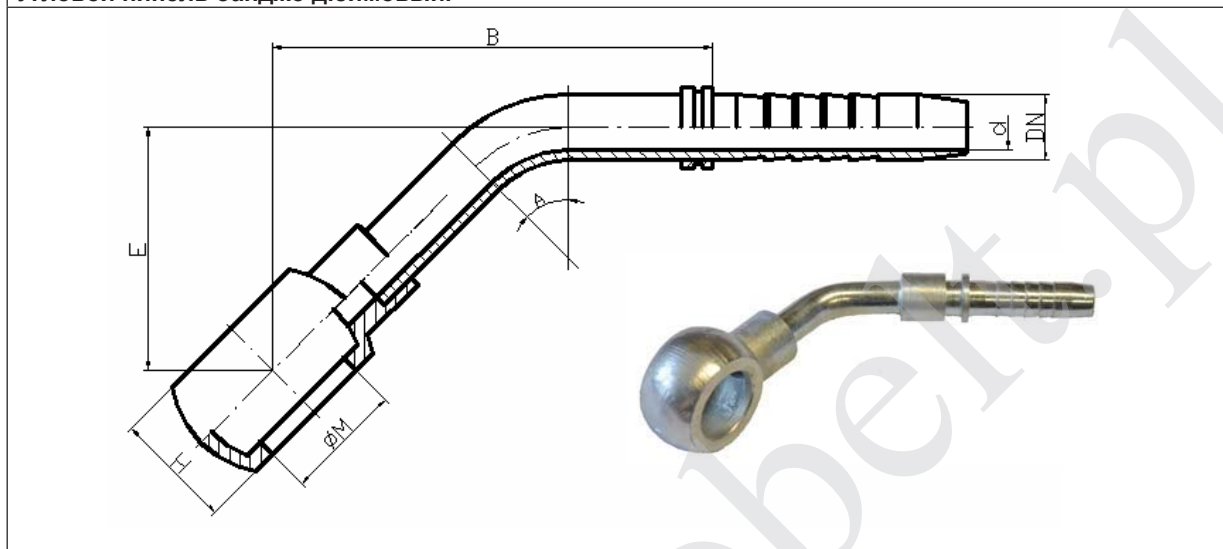
H – for request

C04

Końcówka oczkowa kątowa z gwintem calowym.

Elbow 45° banjo, BSP.

Угловой нипель банджо дюймовый.



| średnica węża DN | średnica wew. oczka M | H [mm] | D [mm] | system oznaczeń | Symbol / Order code |
|---------------------|--------------------------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/8" | 14 | 4.0 | 2 | C04 06 G1/8" 14 |
| 6 | G 1/4" | 13,5 | 4.0 | 1 | C04 06 G1/4" 13,5 |
| 8 | G 1/8" | 14 | 5.5 | 2 | C04 08 G1/8" 14 |
| 8 | G 1/4" | 13,5 | 5.5 | 1 | C04 08 G1/4" 13,5 |
| 10 | G 1/4" | 14 | 7.0 | 2 | C04 10 G1/4" 14 |
| 10 | G 3/8" | 17 | 7.0 | 1 | C04 10 G3/8" 17 |
| 13 | G 3/8" | 19 | 9.0 | 2 | C04 13 G3/8" 19 |
| 13 | G 1/2" | 22 | 9.0 | 1 | C04 13 G1/2" 22 |
| 16 | G 5/8" | 23,5 | 12.5 | 1 | C04 16 G5/8" 23,5 |
| 16 | G 1/2" | 22 | 12.5 | 2 | C04 16 G1/2" 22 |
| 20 | G 3/4" | 29 | 15.0 | 1 | C04 20 G3/4" 29 |
| 25 | G 3/4" | 32 | 20.0 | 2 | C04 25 G3/4" 32 |
| 25 | G 1" | 38 | 20.0 | 1 | C04 25 G1" 38 |

A, E, B - kąt i długości gięcia wykonujemy według życzeń klienta.

A, E, B - the angle and lengths of bending we execute according to wishes of the customer.

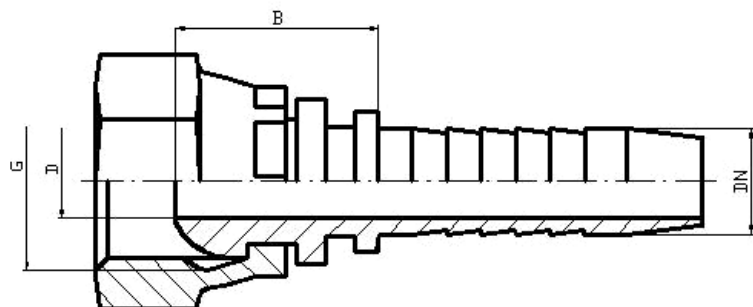
A, E, B – по требованиям заказчика

DKR (C11)

Końcówka kulista prosta współpracująca z gniazdem 60° i gwintem BSP.

Straight female nipple working with socket 60° BSP thread.

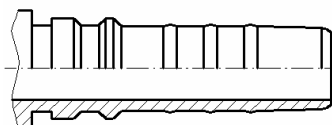
Нипель дюймовый BSP до конусного гнезда 60°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

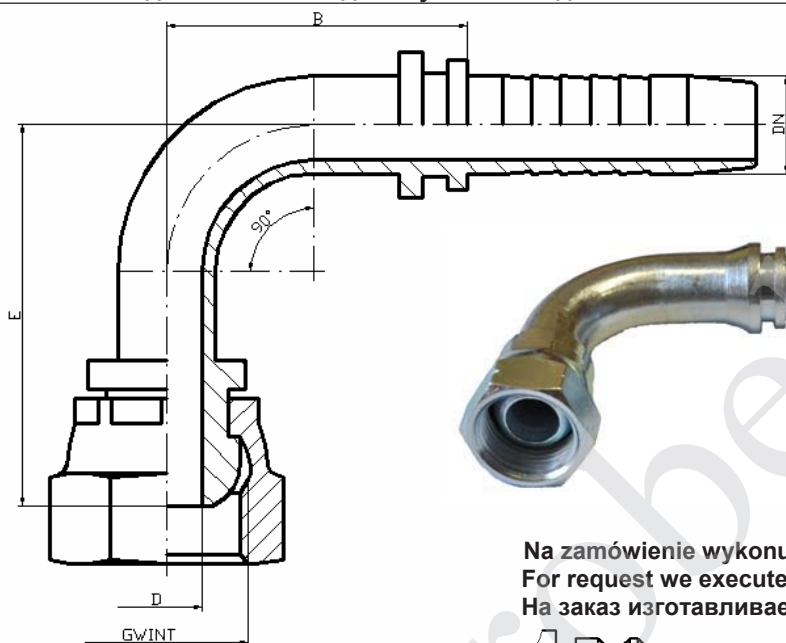
| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/8" | 4.0 | 16.0 | - | C11 06 1/8" |
| 6 | G 1/4" | 4.0 | 16.0 | 1 | C11 06 1/4" |
| 6 | G 3/8" | 4.0 | 20.0 | 2 | C11 06 3/8" |
| 8 | G 1/4" | 5.5 | 16.0 | - | C11 08 1/4" |
| 8 | G 3/8" | 5.5 | 19.0 | 1 | C11 08 3/8" |
| 10 | G 3/8" | 7.0 | 20.0 | 1 | C11 10 3/8" |
| 10 | G 1/2" | 7.0 | 22.0 | 2 | C11 10 1/2" |
| 13 | G 1/2" | 9.0 | 23.0 | 1 | C11 13 1/2" |
| 13 | G 5/8" | 9.0 | 22.0 | 2 | C11 13 5/8" |
| 13 | G 3/4" | 9.0 | 23.0 | - | C11 13 3/4" |
| 16 | G 1/2" | 12.5 | 23.0 | - | C11 16 1/2" |
| 16 | G 5/8" | 12.5 | 21.0 | 1 | C11 16 5/8" |
| 16 | G 3/4" | 12.5 | 23.0 | 2 | C11 16 3/4" |
| 20 | G 3/4" | 15.0 | 24.0 | 1 | C11 20 3/4" |
| 20 | G 1" | 15.0 | 25.0 | 2 | C11 20 1" |
| 25 | G 1" | 20.0 | 26.0 | 1 | C11 25 1" |
| 25 | G 1 1/4" | 20.0 | 26.0 | 2 | C11 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 27.0 | 1 | C11 32 1 1/4" |
| 32 | G 1 1/2" | 26.0 | 55.0 | 2 | C11 32 1 1/2" |
| 40 | G 1 1/2" | 32.0 | 30.0 | 1 | C11 40 1 1/2" |
| 40 | G 2" | 32.0 | 57.0 | 2 | C11 40 2" |
| 50 | G 1 1/2" | 42.0 | 80.0 | 1 | C11 50 1 1/2" |
| 50 | G 2" | 42.0 | 32.0 | 2 | C11 50 2" |

DKR 90 (C12)

Końcówka kulista gięta współpracująca z gniazdem 60° i gwintem BSP.

Elbow 90° female nipple working with socket 60° BSP thread.

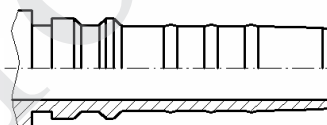
Угловой нипель 90° дюймовый BSP до конусного гнезда 60°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/4" | 4.0 | 30 | 30 | 1 | C12 06 1/4" |
| 6 | G 3/8" | 4.0 | 30 | 30 | 2 | C12 06 3/8" |
| 8 | G 3/8" | 5.5 | 32 | 35 | 1 | C12 08 3/8" |
| 10 | G 3/8" | 7.0 | 42 | 35 | 1 | C12 10 3/8" |
| 10 | G 1/2" | 7.0 | 34 | 35 | 2 | C12 10 1/2" |
| 13 | G 1/2" | 9.0 | 42 | 43 | 1 | C12 13 1/2" |
| 13 | G 5/8" | 9.0 | 42 | 43 | 2 | C12 13 5/8" |
| 16 | G 5/8" | 12.5 | 60 | 55 | 1 | C12 16 5/8" |
| 16 | G 3/4" | 12.5 | 52 | 55 | 2 | C12 16 3/4" |
| 20 | G 3/4" | 15.0 | 70 | 62 | 1 | C12 20 3/4" |
| 20 | G 1" | 15.0 | 62 | 62 | 2 | C12 20 1" |
| 25 | G 1" | 20.0 | 78 | 75 | 1 | C12 25 1" |
| 25 | G 1 1/4" | 20.0 | 72 | 75 | 2 | C12 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 92 | 94 | 1 | C12 32 1 1/4" |
| 32 | G 1 1/2" | 26.0 | 84 | 94 | 2 | C12 32 1 1/2" |
| 40 | G 1 1/2" | 32.0 | 101 | 105 | 1 | C12 40 1 1/2" |
| 40 | G 2" | 32.0 | 102 | 105 | 2 | C12 40 2" |
| 50 | G 1 1/2" | 42.0 | 120 | 108 | 1 | C12 50 1 1/2" |
| 50 | G 2" | 42.0 | 121 | 108 | 2 | C12 50 2" |



DN06 ÷ DN13

Na zamówienie wykonujemy w wersji kompaktowej.

For request we execute in compact version.

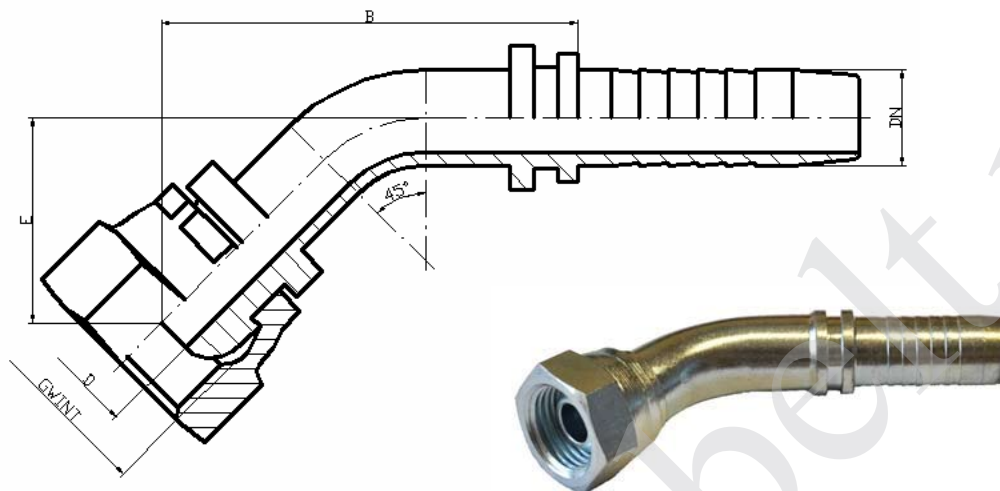
На заказ изготавливаем в компактной версии.

DKR 45 (C15)

Końcówka kulista gięta współpracująca z gniazdem 60° i gwintem BSP.

Elbow 45° female nipple working with socket 60° BSP thread.

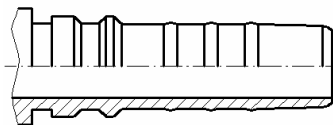
Угловой нипель 45° дюймовый BSP до конусного гнезда 60°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

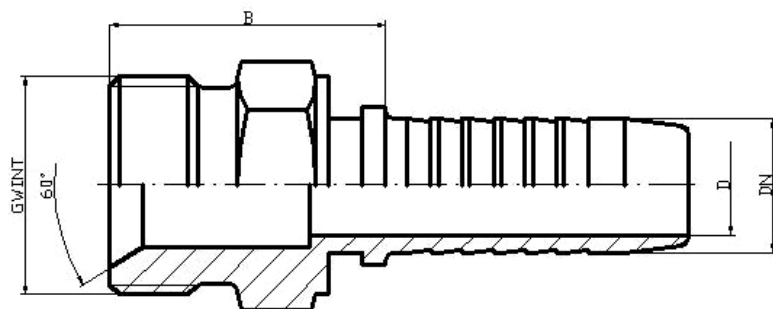
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/4" | 4.0 | 15 | 34 | 1 | C15 06 1/4" |
| 6 | G 3/8" | 4.0 | 22 | 42 | 2 | C15 06 3/8" |
| 8 | G 3/8" | 5.5 | 23 | 45 | 1 | C15 08 3/8" |
| 10 | G 3/8" | 7.0 | 22 | 44 | 1 | C15 10 3/8" |
| 10 | G 1/2" | 7.0 | 24 | 46 | 2 | C15 10 1/2" |
| 13 | G 1/2" | 9.0 | 28 | 58 | 1 | C15 13 1/2" |
| 13 | G 5/8" | 9.0 | 27 | 57 | 2 | C15 13 5/8" |
| 16 | G 5/8" | 12.5 | 32 | 70 | 1 | C15 16 5/8" |
| 16 | G 3/4" | 12.5 | 33 | 71 | 2 | C15 16 3/4" |
| 20 | G 3/4" | 15.0 | 39 | 82 | 1 | C15 20 3/4" |
| 20 | G 1" | 15.0 | 41 | 84 | 2 | C15 20 1" |
| 25 | G 1" | 20.0 | 43 | 92 | 1 | C15 25 1" |
| 25 | G 1 1/4" | 20.0 | 43 | 92 | 2 | C15 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 48 | 123 | 1 | C15 32 1 1/4" |
| 32 | G 1 1/2" | 26.0 | 50 | 125 | 2 | C15 32 1 1/2" |
| 40 | G 1 1/2" | 32.0 | 64 | 122 | 1 | C15 40 1 1/2" |
| 40 | G 2" | 32.0 | 65 | 122 | 2 | C15 40 2" |
| 50 | G 1 1/2" | 42.0 | 69 | 123 | 1 | C15 50 1 1/2" |
| 50 | G 2" | 42.0 | 70 | 124 | 2 | C15 50 2" |

AGR (C21)

Końcówka prosta z gniazdem 60st. i gwintem zewnętrznym BSP.

Straight male nipple with socket 60° BSP thread.

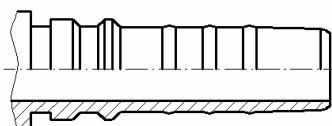
Нипель дюймовый BSP с внутренним конусом 60°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/8" | 4.0 | 26.0 | 13 | 1 | C21 06 1/8" |
| 6 | G 1/4" | 4.0 | 23.0 | 19 | 2 | C21 06 1/4" |
| 6 | G 3/8" | 4.0 | 28.0 | 22 | - | C21 06 3/8" |
| 8 | G 1/4" | 5.5 | 23.0 | 19 | - | C21 08 1/4" |
| 8 | G 3/8" | 5.5 | 28.0 | 22 | 1 | C21 08 3/8" |
| 8 | G 1/2" | 5.5 | 28.0 | 27 | - | C21 08 1/2" |
| 10 | G 3/8" | 7.0 | 27.0 | 22 | 1 | C21 10 3/8" |
| 10 | G 1/2" | 7.0 | 28.0 | 27 | 2 | C21 10 1/2" |
| 13 | G 1/2" | 9.0 | 33.0 | 27 | 1 | C21 13 1/2" |
| 13 | G 3/4" | 9.0 | 38 | 32 | - | C21 13 3/4" |
| 16 | G 1/2" | 12.5 | 28.0 | 27 | - | C21 16 1/2" |
| 16 | G 5/8" | 12.5 | 34.0 | 30 | 1 | C21 16 5/8" |
| 16 | G 3/4" | 12.5 | 33.0 | 32 | 2 | C21 16 3/4" |
| 20 | G 3/4" | 15.0 | 38.0 | 32 | 1 | C21 20 3/4" |
| 20 | G 1" | 15.0 | 44.0 | 41 | - | C21 20 1" |
| 25 | G 1" | 20.0 | 44.0 | 41 | 1 | C21 25 1" |
| 25 | G 1 1/4" | 20.0 | 49.0 | 50 | - | C21 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 49.0 | 50 | 1 | C21 32 1 1/4" |
| 32 | G 1 1/2" | 32.0 | 54.0 | 55 | - | C21 32 1 1/2" |
| 40 | G 1 1/2" | 32.0 | 54.0 | 55 | 1 | C21 40 1 1/2" |
| 50 | G 2" | 42.0 | 62.0 | 70 | 1 | C21 50 2" |

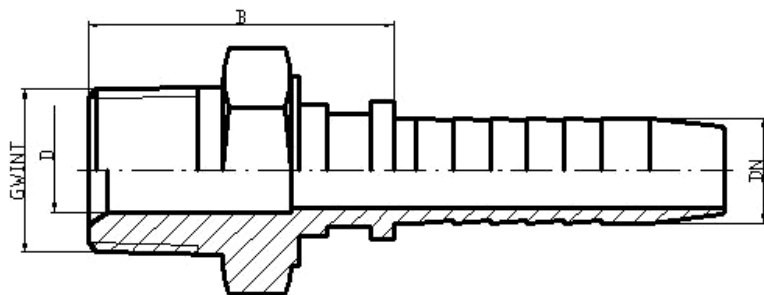
S-sześciokąt; S-шестигранник; S- hexagon

AGR-K (C31)

Końcówka prosta z gwintem BSPT stożkowym.

Straight male nipple with conical BSPT thread.

Нипель дюймовый BSPT с конусной резьбой.



| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|-----------|--------------------|------------------------|
| 6 | G 1/4" | 4.0 | 26.0 | 13 | 1 | C31 06 1/4" |
| 8 | G 1/4" | 5.5 | 31.0 | 13 | 1 | C31 08 1/4" |
| 8 | G 3/8" | 5.5 | 33.0 | 19 | - | C31 08 3/8" |
| 10 | G 3/8" | 7.0 | 33.0 | 19 | 1 | C31 10 3/8" |
| 10 | G 1/2" | 7.0 | 37.0 | 22 | - | C31 10 1/2" |
| 13 | G 1/2" | 9.0 | 37.0 | 22 | 1 | C31 13 1/2" |
| 16 | G 5/8" | 12.5 | 40.0 | 24 | 1 | C31 16 5/8" |
| 20 | G 3/4" | 15.0 | 42.0 | 27 | 1 | C31 20 3/4" |
| 20 | G 1" | 15.0 | 49.0 | 36 | - | C31 20 1" |
| 25 | G 1" | 20.0 | 49.0 | 36 | 1 | C31 25 1" |
| 32 | G 1 1/4" | 26.0 | 54.0 | 46 | 1 | C31 32 1 1/4" |

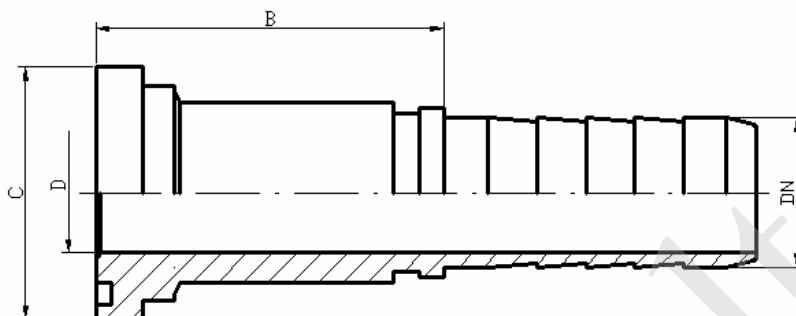
S-sześciokąt; S-шестигранник; S- hexagon

SFL (C41) ODMIANA LEKKA – SAE 3000 PSI

Końcówka kołnierzowa prosta.

Straight flange nipple LIGHT SERIES.

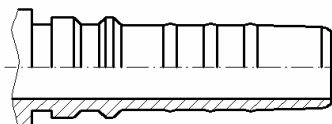
Нипель фланцевый ЛЁГКАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



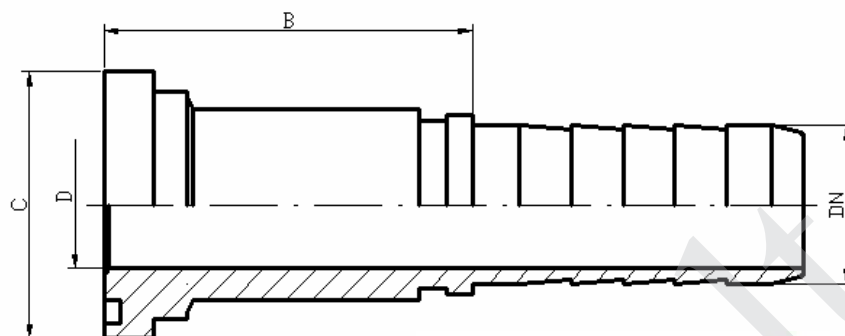
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|--------------------|---------------------|
| 13 | G 1/2" | 30.2 | 9.0 | 51 | 1 | C41 13L 30.2 |
| 13 | G 3/4" | 38.1 | 9.0 | 52 | 2 | C41 13L 38.1 |
| 16 | G 1/2" | 30.2 | 12.0 | 49 | 1 | C41 16L 30.2 |
| 16 | G 3/4" | 38.1 | 12.0 | 49 | 2 | C41 16L 38.1 |
| 20 | G 1/2" | 30.2 | 14.5 | 58 | 3 | C41 20L 30.2 |
| 20 | G 3/4" | 38.1 | 14.5 | 57 | 1 | C41 20L 38.1 |
| 20 | G 1" | 44.5 | 14.5 | 57 | 2 | C41 20L 44.5 |
| 25 | G 3/4" | 38.1 | 20.0 | 53 | 3 | C41 25L 38.1 |
| 25 | G 1" | 44.5 | 20.0 | 53 | 1 | C41 25L 44.5 |
| 25 | G 1 1/4" | 50.8 | 20.0 | 52 | 2 | C41 25L 50.8 |
| 32 | G 1" | 44.5 | 26.0 | 62 | 3 | C41 32L 44.5 |
| 32 | G 1 1/4" | 50.8 | 26.0 | 61 | 1 | C41 32L 50.8 |
| 32 | G 1 1/2" | 60.3 | 26.0 | 63 | 2 | C41 32L 60.3 |
| 40 | G 1 1/4" | 50.8 | 32.0 | 62 | 3 | C41 40L 50.8 |
| 40 | G 1 1/2" | 60.3 | 32.0 | 62 | 1 | C41 40L 60.3 |
| 40 | G 2" | 71.4 | 32.0 | 62 | 2 | C41 40L 71.4 |
| 50 | G 1 1/2" | 60.3 | 42.0 | 77 | 2 | C41 50L 60.3 |
| 50 | G 2" | 71.4 | 42.0 | 73 | 1 | C41 50L 71.4 |

SFS (C41) ODMIANA CIĘŻKA – SAE 6000 PSI

Końcówka kołnierzowa prosta.

Straight flange nipple HEAVY SERIES.

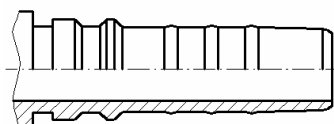
Нипель фланцевый ТЯЖЁЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



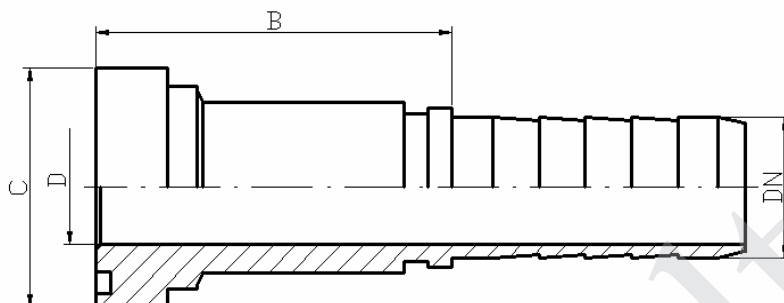
| średnica węza DN | Flansza [Cal] | C [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|--------------------|---------------------|
| 13 | G 1/2" | 31.7 | 9.0 | 53 | 6 | C41 13S 31.7 |
| 13 | G 3/4" | 41.3 | 9.0 | 53 | 7 | C41 13S 41.3 |
| 16 | G 1/2" | 31.7 | 12.0 | 50 | 6 | C41 16S 31.7 |
| 16 | G 3/4" | 41.3 | 12.0 | 50 | 7 | C41 16S 41.3 |
| 20 | G 1/2" | 31.7 | 11.0 | 59 | 8 | C41 20S 31.7 |
| 20 | G 3/4" | 41.3 | 14.5 | 58 | 6 | C41 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 58 | 7 | C41 20S 47.6 |
| 25 | G 3/4" | 41.3 | 20.0 | 57 | 8 | C41 25S 41.3 |
| 25 | G 1" | 47.6 | 20.0 | 57 | 6 | C41 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 65 | 7 | C41 25S 54.0 |
| 32 | G 1" | 47.6 | 26.0 | 64 | 8 | C41 32S 47.6 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 65 | 6 | C41 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 67 | 7 | C41 32S 63.5 |
| 40 | G 1 1/4" | 54.0 | 26.0 | 64 | 8 | C41 40S 54.0 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 66 | 6 | C41 40S 63.5 |
| 40 | G 2" | 79.4 | 32.0 | 75 | 7 | C41 40S 79.4 |
| 50 | G 1 1/2" | 63.5 | 42.0 | 87 | 8 | C41 50S 63.5 |
| 50 | G 2" | 79.4 | 42.0 | 93 | 6 | C41 50S 79.4 |

SFS SUPERCAT (C41S) ODMIANA CIĘŻKA – SAE 9000 PSI

Końcówka kołnierzowa prosta.

Straight flange nipple HEAVY SERIES.

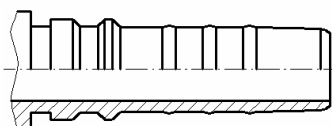
Нипель фланцевый ТЯЖЁЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



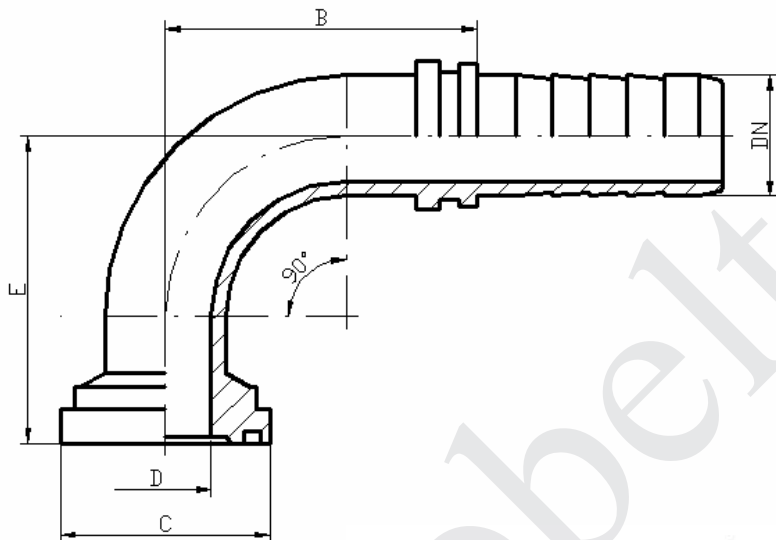
| średnica węza DN | Flansza [Cal] | C [mm] | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|--------------------|---------------------|
| 20 | G 3/4" | 41.3 | 14.5 | 63 | 6 | C41S 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 63 | 7 | C41S 20S 47.6 |
| 25 | G 1" | 47.6 | 20.0 | 62 | 6 | C41S 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 68 | 7 | C41S 25S 54.0 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 68 | 6 | C41S 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 68 | 7 | C41S 32S 63.5 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 68 | 6 | C41S 40S 63.5 |

SFL 90 (C42) ODMIANA LEKKA – SAE 3000 PSI

Końcówka kołnierzowa gięta.

Elbow 90° flange nipple LIGHT SERIES.

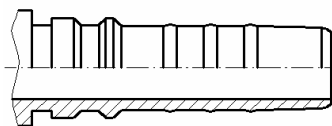
Угловой нипель 90° фланцевый ЛЁГКАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



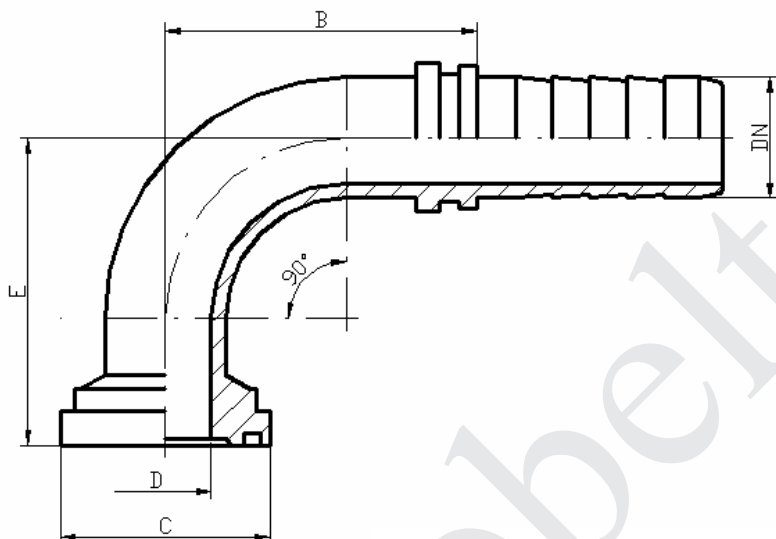
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | L [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|-----------|--------------------|---------------------|
| 13 | G 1/2" | 30.2 | 9.0 | 42 | 43 | 82 | 1 | C42 13L 30.2 |
| 13 | G 3/4" | 38.1 | 9.0 | 43 | 43 | 82 | 2 | C42 13L 38.1 |
| 16 | G 1/2" | 30.2 | 12.0 | 49.5 | 55 | 94 | 1 | C42 16L 30.2 |
| 16 | G 3/4" | 38.1 | 12.0 | 50.5 | 55 | 94 | 2 | C42 16L 38.1 |
| 20 | G 1/2" | 30.2 | 14.5 | 58 | 62 | 111 | 3 | C42 20L 30.2 |
| 20 | G 3/4" | 38.1 | 14.5 | 59 | 62 | 111 | 1 | C42 20L 38.1 |
| 20 | G 1" | 44.5 | 14.5 | 59 | 62 | 111 | 2 | C42 20L 44.5 |
| 25 | G 3/4" | 38.1 | 20.0 | 66 | 75 | 133 | 3 | C42 25L 38.1 |
| 25 | G 1" | 44.5 | 20.0 | 66 | 75 | 133 | 1 | C42 25L 44.5 |
| 25 | G 1 1/4" | 50.8 | 20.0 | 66 | 75 | 133 | 2 | C42 25L 50.8 |
| 32 | G 1" | 44.5 | 26.0 | 79 | 104 | 171 | 3 | C42 32L 44.5 |
| 32 | G 1 1/4" | 50.8 | 26.0 | 79 | 104 | 171 | 1 | C42 32L 50.8 |
| 32 | G 1 1/2" | 60.3 | 26.0 | 79 | 104 | 171 | 2 | C42 32L 60.3 |
| 40 | G 1 1/4" | 50.8 | 26.0 | 109 | 104 | 170 | 3 | C42 40L 50.8 |
| 40 | G 1 1/2" | 60.3 | 32.0 | 109 | 104 | 170 | 1 | C42 40L 60.3 |
| 40 | G 2" | 71.4 | 32.0 | 111 | 104 | 170 | 2 | C42 40L 71.4 |
| 50 | G 1 1/2" | 60.3 | 42.0 | 120 | 123 | 188 | 2 | C42 50L 60.3 |
| 50 | G 2" | 71.4 | 42.0 | 111 | 123 | 188 | 1 | C42 50L 71.4 |

SFS 90 (C42) ODMIANA CIĘŻKA – SAE 6000 PSI

Końcówka kołnierzowa gięta.

Elbow 90° flange nipple HEAVY SERIES.

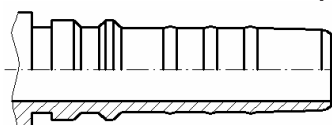
Угловой ниппель 90° фланцевый ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



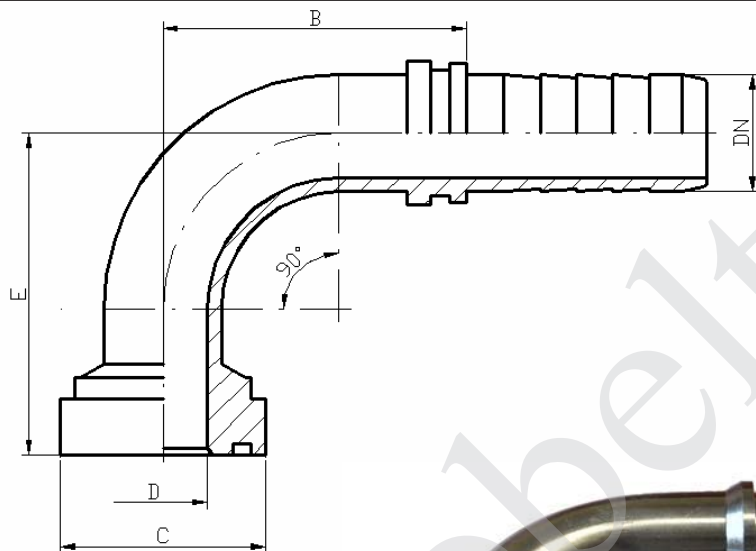
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | L [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|-----------|--------------------|------------------------|
| 13 | G 1/2" | 31.7 | 9.0 | 45 | 43 | 82 | 6 | C42 13S 31.7 |
| 13 | G 3/4" | 41.3 | 9.0 | 46 | 43 | 82 | 7 | C42 13S 41.3 |
| 16 | G 1/2" | 31.7 | 12.0 | 56 | 55 | 94 | 6 | C42 16S 31.7 |
| 16 | G 3/4" | 41.3 | 12.0 | 57 | 55 | 94 | 7 | C42 16S 41.3 |
| 20 | G 1/2" | 31.7 | 12.0 | 62 | 62 | 106 | 8 | C42 20S 31.7 |
| 20 | G 3/4" | 41.3 | 14.5 | 63 | 62 | 106 | 6 | C42 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 66 | 62 | 106 | 7 | C42 20S 47.6 |
| 25 | G 3/4" | 41.3 | 20.0 | 70 | 75 | 133 | 8 | C42 25S 41.3 |
| 25 | G 1" | 47.6 | 20.0 | 73 | 75 | 133 | 6 | C42 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 75 | 75 | 133 | 7 | C42 25S 54.0 |
| 32 | G 1" | 47.6 | 26.0 | 79 | 94 | 171 | 8 | C42 32S 47.6 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 81 | 94 | 171 | 6 | C42 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 89 | 94 | 171 | 7 | C42 32S 63.5 |
| 40 | G 1 1/4" | 54.0 | 32.0 | 113 | 104 | 170 | 8 | C42 40S 54.0 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 113 | 104 | 170 | 6 | C42 40S 63.5 |
| 40 | G 2" | 79.4 | 32.0 | 124 | 104 | 170 | 7 | C42 40S 79.4 |
| 50 | G 1 1/2" | 63.5 | 42.0 | 124 | 123 | 188 | 8 | C42 50S 63.5 |
| 50 | G 2" | 79.4 | 42.0 | 124 | 123 | 188 | 6 | C42 50S 79.4 |

SFS 90 SUPERCAT (C42S) ODMIANA CIĘŻKA – SAE 9000 PSI

Końcówka kołnierzowa gięta.

Elbow 90° flange nipple HEAVY SERIES.

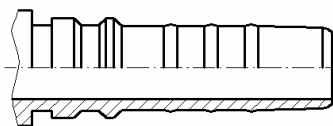
Угловой ниппель 90° фланцевый ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



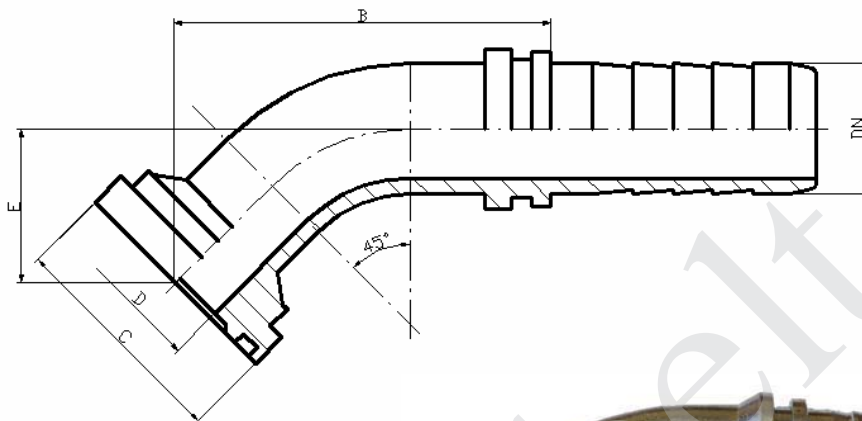
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | L [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|-----------|--------------------|------------------------|
| 20 | G 3/4" | 41.3 | 14.5 | 68 | 62 | 106 | 6 | C42S 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 71 | 62 | 106 | 7 | C42S 20S 47.6 |
| 25 | G 1" | 47.6 | 20.0 | 78 | 75 | 133 | 6 | C42S 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 78 | 75 | 133 | 7 | C42S 25S 54.0 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 84 | 94 | 171 | 6 | C42S 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 90 | 94 | 171 | 7 | C42S 32S 63.5 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 114 | 104 | 170 | 6 | C42S 40S 63.5 |

SFL 45 (C45) ODMIANA LEKKA – SAE 3000 PSI

Końcówka kołnierzowa gięta.

Elbow 45° flange nipple LIGHT SERIES.

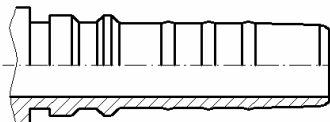
Угловой нипель 45° фланцевый ЛЁГКАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



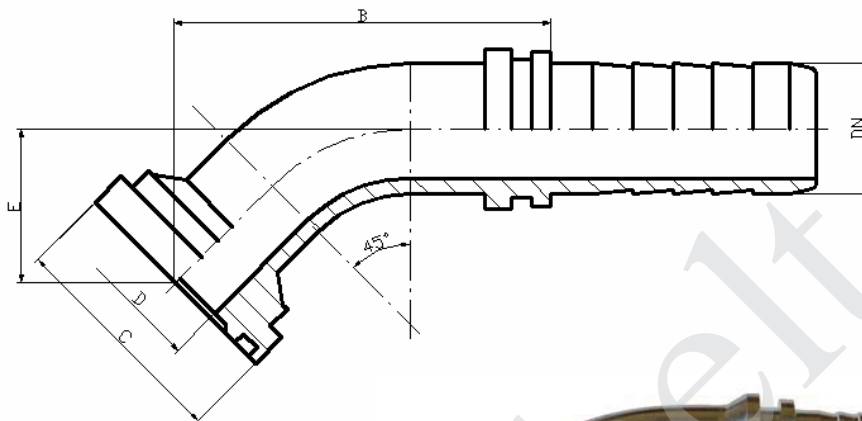
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|--------------------|---------------------|
| 13 | G 1/2" | 30.2 | 9.0 | 20 | 44 | 1 | C45 13L 30.2 |
| 13 | G 3/4" | 38.1 | 9.0 | 21 | 45 | 2 | C45 13L 38.1 |
| 16 | G 1/2" | 30.2 | 12.0 | 24 | 53 | 1 | C45 16L 30.2 |
| 16 | G 3/4" | 38.1 | 12.0 | 24 | 53 | 2 | C45 16L 38.1 |
| 20 | G 1/2" | 30.2 | 14.5 | 26 | 58 | 3 | C45 20L 30.2 |
| 20 | G 3/4" | 38.1 | 14.5 | 29 | 65 | 1 | C45 20L 38.1 |
| 20 | G 1" | 44.5 | 14.5 | 28 | 63 | 2 | C45 20L 44.5 |
| 25 | G 3/4" | 38.1 | 20.0 | 62 | 99 | 3 | C45 25L 38.1 |
| 25 | G 1" | 44.5 | 20.0 | 32 | 99 | 1 | C45 25L 44.5 |
| 25 | G 1 1/4" | 50.8 | 20.0 | 32 | 98 | 2 | C45 25L 50.8 |
| 32 | G 1" | 44.5 | 26.0 | 44 | 117 | 3 | C45 32L 44.5 |
| 32 | G 1 1/4" | 50.8 | 26.0 | 42 | 115 | 1 | C45 32L 50.8 |
| 32 | G 1 1/2" | 60.3 | 26.0 | 50 | 120 | 2 | C45 32L 60.3 |
| 40 | G 1 1/4" | 50.8 | 32.0 | 50 | 113 | 3 | C45 40L 50.8 |
| 40 | G 1 1/2" | 60.3 | 32.0 | 50 | 102 | 1 | C45 40L 60.3 |
| 40 | G 2" | 71.4 | 32.0 | 45 | 116 | 2 | C45 40L 71.4 |
| 50 | G 1 1/2" | 60.3 | 42.0 | 52 | 127 | 2 | C45 50L 60.3 |
| 50 | G 2" | 71.4 | 42.0 | 45 | 120 | 1 | C45 50L 71.4 |

SFS 45 (C45) ODMIANA CIĘŻKA – SAE 6000 PSI

Końcówka kołnierzowa gięta.

Elbow 45° flange nipple HEAVY SERIES.

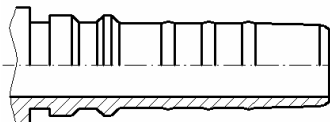
Угловой ниппель 45° фланцевый ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

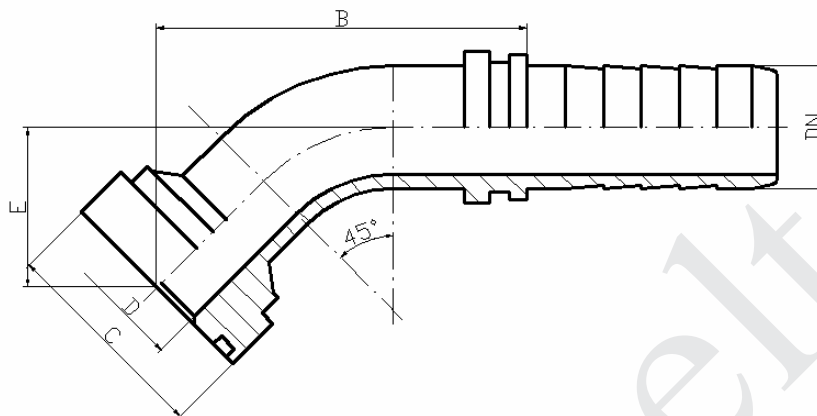
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|--------------------|---------------------|
| 13 | G 1/2" | 31.7 | 9.0 | 20 | 42 | 6 | C45 13S 31.7 |
| 13 | G 3/4" | 41.3 | 9.0 | 21 | 43 | 7 | C45 13S 41.3 |
| 16 | G 1/2" | 31.7 | 12.0 | 27 | 57 | 6 | C45 16S 31.7 |
| 16 | G 3/4" | 41.3 | 12.0 | 26 | 56 | 7 | C45 16S 41.3 |
| 20 | G 1/2" | 31.7 | 11.0 | 26 | 59 | 8 | C45 20S 31.7 |
| 20 | G 3/4" | 41.3 | 15.0 | 31 | 68 | 6 | C45 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 32 | 68 | 7 | C45 20S 47.6 |
| 25 | G 3/4" | 41.3 | 20.0 | 55 | 90 | 8 | C45 25S 41.3 |
| 25 | G 1" | 47.6 | 20.0 | 35 | 90 | 6 | C45 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 35 | 90 | 7 | C45 25S 54.0 |
| 32 | G 1" | 47.6 | 26.0 | 45 | 118 | 8 | C45 32S 47.6 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 45 | 118 | 6 | C45 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 53 | 123 | 7 | C45 32S 63.5 |
| 40 | G 1 1/4" | 54.0 | 26.0 | 53 | 116 | 8 | C45 40S 54.0 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 53 | 116 | 6 | C45 40S 63.5 |
| 40 | G 2" | 79.4 | 32.0 | 55 | 126 | 7 | C45 40S 79.4 |
| 50 | G 1 1/2" | 63.5 | 42.0 | 55 | 130 | 8 | C45 50S 63.5 |
| 50 | G 2" | 79.4 | 42.0 | 55 | 130 | 6 | C45 50S 79.4 |

SFS 45 SUPERCAT (C45S) ODMIANA CIĘŻKA – SAE 9000 PSI

Końcówka kołnierzowa gięta.

Elbow 45° flange nipple HEAVY SERIES.

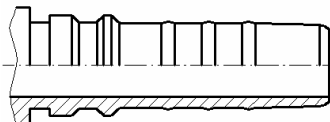
Угловой ниппель 45° фланцевый ТЯЖЕЛАЯ ВЕРСИЯ.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



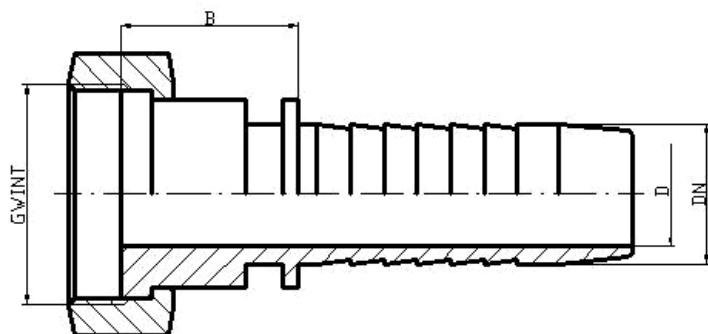
| średnica węża DN | Flansza [Cal] | C [mm] | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------------|-----------|-----------|-----------|-----------|--------------------|---------------------|
| 20 | G 3/4" | 41.3 | 15.0 | 34 | 71 | 6 | C45S 20S 41.3 |
| 20 | G 1" | 47.6 | 14.5 | 36 | 72 | 7 | C45S 20S 47.6 |
| 25 | G 1" | 47.6 | 20.0 | 39 | 94 | 6 | C45S 25S 47.6 |
| 25 | G 1 1/4" | 54.0 | 20.0 | 37 | 92 | 7 | C45S 25S 54.0 |
| 32 | G 1 1/4" | 54.0 | 26.0 | 47 | 120 | 6 | C45S 32S 54.0 |
| 32 | G 1 1/2" | 63.5 | 26.0 | 54 | 124 | 7 | C45S 32S 63.5 |
| 40 | G 1 1/2" | 63.5 | 32.0 | 54 | 136 | 6 | C45S 40S 63.5 |

DKR-FL (C51) USZCZELNIENIE PŁASKIE

Końcówka prosta do uszczelnień czołowych z gwintem BSP.

Straight female nipple - flat seal, BSP thread.

Нипель дюймовый BSP фланцевый с гайкой.



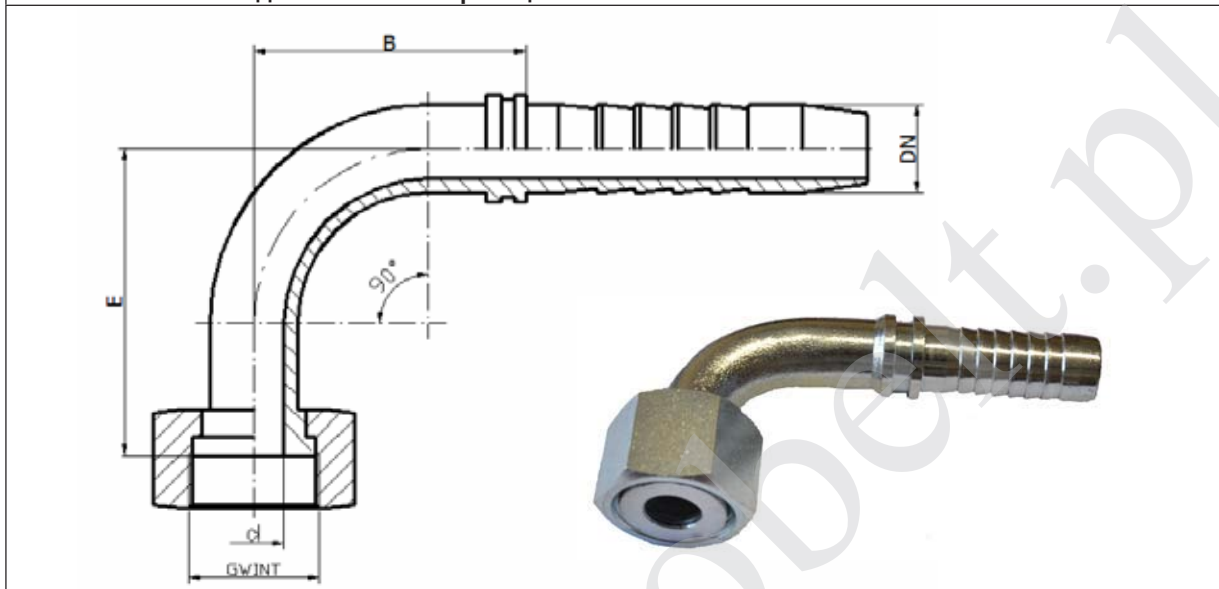
| średnica węza DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/4" | 4.0 | 14.0 | 1 | C51 06 1/4" |
| 8 | G 1/4" | 4.0 | 27.0 | 1 | C51 08 1/4" |
| 8 | G 3/8" | 5.5 | 16 | 2 | C51 08 3/8" |
| 10 | G 3/8" | 7.0 | 17 | 1 | C51 10 3/8" |
| 10 | G 1/2" | 7.0 | 19 | 2 | C51 10 1/2" |
| 13 | G 1/2" | 9.0 | 20 | 1 | C51 13 1/2" |
| 13 | G 5/8" | 9.0 | 21 | 2 | C51 13 5/8" |
| 16 | G 5/8" | 12.5 | 21 | 1 | C51 16 5/8" |
| 16 | G 3/4" | 12.5 | 23 | 2 | C51 16 3/4" |
| 20 | G 3/4" | 15.0 | 24 | 1 | C51 20 3/4" |
| 20 | G 1" | 15.0 | 26 | 2 | C51 20 1" |
| 25 | G 1" | 20.0 | 26 | 1 | C51 25 1" |
| 25 | G 1 1/4" | 20.0 | 26 | 2 | C51 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 27.0 | 1 | C51 32 1 1/4" |

DKR-FL 90 (C52) USZCZELNIENIE PŁASKIE

Końcówka gięta do uszczelnień czołowych z gwintem BSP.

Elbow 90° female nipple - flat seal, BSP thread.

Угловой нипель 90° дюймовый BSP фланцевый с гайкой.



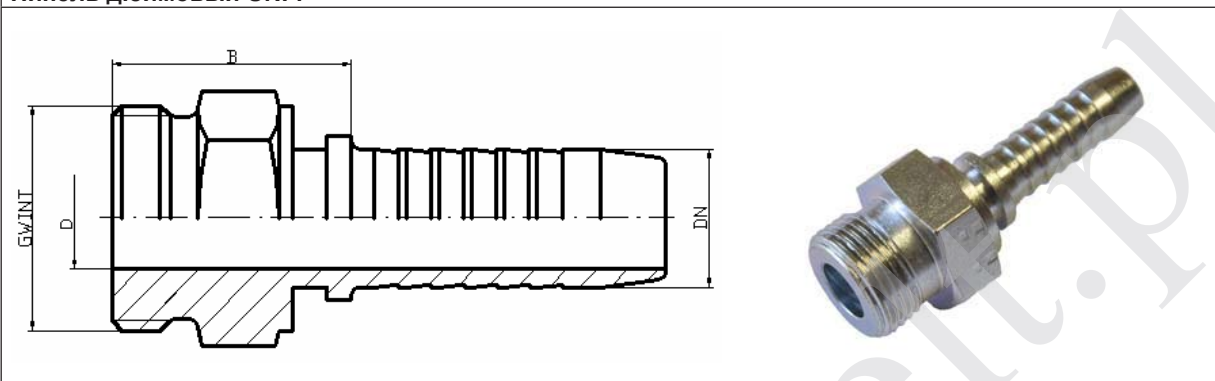
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|----------|--------|--------|--------|-----------------|---------------------|
| 6 | G 1/4" | 4.0 | 30 | 30 | 1 | C52 06 1/4" |
| 8 | G 1/4" | 4.0 | 32 | 30 | 1 | C52 08 1/4" |
| 8 | G 3/8" | 5.5 | 32 | 35 | 2 | C52 08 3/8" |
| 10 | G 3/8" | 7.0 | 42 | 35 | 1 | C52 10 3/8" |
| 10 | G 1/2" | 7.0 | 34 | 35 | 2 | C52 10 1/2" |
| 13 | G 1/2" | 9.0 | 42 | 43 | 1 | C52 13 1/2" |
| 13 | G 5/8" | 9.0 | 42 | 43 | 2 | C52 13 5/8" |
| 16 | G 5/8" | 12.5 | 60 | 55 | 1 | C52 16 5/8" |
| 16 | G 3/4" | 12.5 | 52 | 55 | 2 | C52 16 3/4" |
| 20 | G 3/4" | 15.0 | 70 | 62 | 1 | C52 20 3/4" |
| 20 | G 1" | 15.0 | 62 | 62 | 2 | C52 20 1" |
| 25 | G 1" | 20.0 | 78 | 75 | 1 | C52 25 1" |
| 25 | G 1 1/4" | 20.0 | 72 | 75 | 2 | C52 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 92 | 94 | 1 | C52 32 1 1/4" |

AGJO SAE O-RING (C61)

Końcówka prosta z gwintem zewnętrznym UNF.

Straight male nipple, o-ring, UNF thread.

Нипель дюймовый UNF.



| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|------------------|-------------------|--------|--------|--------|-----------------|---------------------|
| 6 | 7/16"-20 UNF-2A | 4.0 | 26 | 13 | 1 | C61 06 7/16" |
| 10 | 9/16"-18 UNF-2A | 7.0 | 27 | 17 | 1 | C61 10 9/16" |
| 10 | 3/4"-16 UNF-2A | 7.0 | 28 | 22 | 2 | C61 10 3/4" |
| 13 | 3/4"-16 UNF-2A | 9.0 | 33 | 22 | 1 | C61 13 3/4" |
| 13 | 7/8"-14 UNF-2A | 9.0 | 33 | 27 | 2 | C61 13 7/8" |
| 16 | 7/8"-14 UNF-2A | 12.5 | 34 | 27 | 1 | C61 16 7/8" |
| 20 | 1 1/16"-12 UNF-2A | 15.0 | 38 | 32 | 1 | C61 20 1 1/16" |

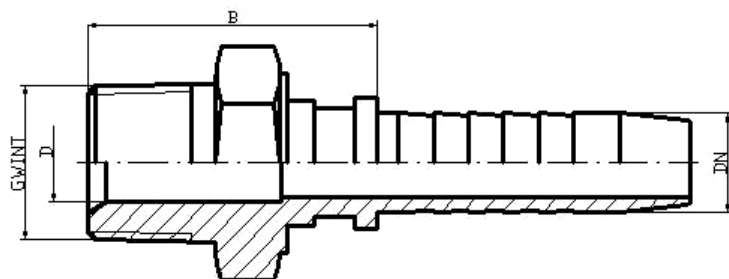
S-sześciokąt; S-шестигранник; S- hexagon

AGN (C71)

Końcówka prosta z gwintem zewnętrznym stożkowym NPTF.

Straight male nipple with conical NPTF thread.

Нипель дюймовый NPTF с конусной резьбой.



| średnica węza DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 1/8"-27 NPTF | 4.0 | 25 | 13 | 1 | C71 06 1/8" NPTF |
| 6 | 1/4"-18 NPTF | 4.0 | 25 | 13 | 2 | C71 06 1/4" NPTF |
| 6 | 3/8"-18 NPTF | 4.0 | 29 | 19 | 3 | C71 06 3/8" NPTF |
| 8 | 1/4"-18 NPTF | 5.5 | 27 | 13 | 1 | C71 08 1/4" NPTF |
| 8 | 3/8"-18 NPTF | 5.5 | 29 | 19 | 2 | C71 08 3/8" NPTF |
| 10 | 3/8"-18 NPTF | 7.0 | 28 | 19 | 1 | C71 10 3/8" NPTF |
| 10 | 1/2"-14 NPTF | 7.0 | 32 | 24 | 2 | C71 10 1/2" NPTF |
| 10 | 1/4"-18 NPTF | 5.5 | 27 | 17 | 3 | C71 10 1/4" NPTF |
| 13 | 1/2"-14 NPTF | 9.0 | 34 | 24 | 1 | C71 13 1/2" NPTF |
| 13 | 3/8"-18 NPTF | 9.0 | 33 | 19 | 2 | C71 13 3/8" NPTF |
| 16 | 1/2"-14 NPTF | 12.5 | 35 | 24 | 1 | C71 16 1/2" NPTF |
| 16 | 3/4"-14 NPTF | 12.5 | 37 | 27 | 2 | C71 16 3/4" NPTF |
| 20 | 3/4"-14 NPTF | 15.0 | 37 | 27 | 1 | C71 20 3/4" NPTF |
| 20 | 1"-11,5 1/2 NPTF | 15.0 | 40 | 36 | 2 | C71 20 1" NPTF |
| 25 | 1"-11,5 1/2 NPTF | 20.0 | 44 | 36 | 1 | C71 25 1" NPTF |
| 32 | 1 1/4"-11,5 1/2 NPTF | 26.0 | 49 | 46 | 1 | C71 32 1 1/4" NPTF |

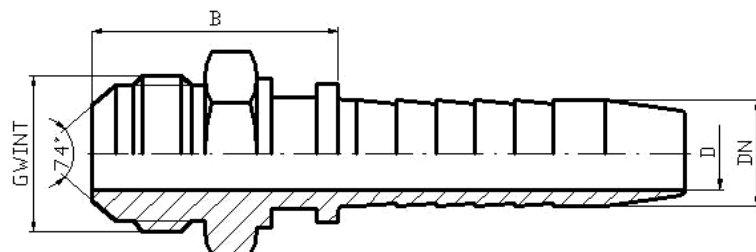
S-sześciokąt; S-шестигранник; S- hexagon

AGJ (C81)

Końcówka ze stożkiem zewnętrznym 74° i gwintem UNF.

Straight male nipple with cone 74°, UNF thread.

Нипель дюймовый UNF с наружным конусом 74°.



| średnica węza DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 7/16"-20 UNF-2A | 4.0 | 25 | 13 | 1 | C81 06 7/16" |
| 6 | 1/2"-20 UNF-2A | 4.0 | 25 | 13 | 2 | C81 06 1/2" |
| 6 | 9/16"-18 UNF-2A | 4.0 | 29 | 17 | 3 | C81 06 9/16" |
| 8 | 1/2"-20 UNF-2A | 5.5 | 27 | 13 | 1 | C81 08 1/2" |
| 8 | 9/16"-18 UNF-2A | 5.5 | 29 | 17 | 2 | C81 08 9/16" |
| 10 | 1/2"-20 UNF-2A | 7.0 | 27 | 17 | - | C81 10 1/2" |
| 10 | 9/16"-18 UNF-2A | 7.0 | 28 | 17 | 1 | C81 10 9/16" |
| 10 | 3/4"-16 UNF-2A | 7.0 | 32 | 19 | 2 | C81 10 3/4" |
| 13 | 3/4"-16 UNF-2A | 9.0 | 34 | 19 | 1 | C81 13 3/4" |
| 13 | 7/8"-14 UNF-2A | 9.0 | 36 | 24 | 2 | C81 13 7/8" |
| 16 | 7/8"-14 UNF-2A | 12.5 | 35 | 24 | 1 | C81 16 7/8" |
| 16 | 1 1/16"-12 UNF-2A | 12.5 | 37 | 27 | 2 | C81 16 1 1/16" |
| 20 | 1 1/16"-12 UNF-2A | 15.0 | 37 | 27 | 1 | C81 20 1 1/16" |
| 20 | 1 5/16"-12 UNF-2A | 15.0 | 40 | 36 | 2 | C81 20 1 5/16" |
| 25 | 1 5/16"-12 UNF-2A | 20.0 | 44 | 36 | 1 | C81 25 1 5/16" |
| 32 | 1 5/8"-12 UNF-2A | 26.0 | 49 | 41 | 1 | C81 32 1 5/8" |

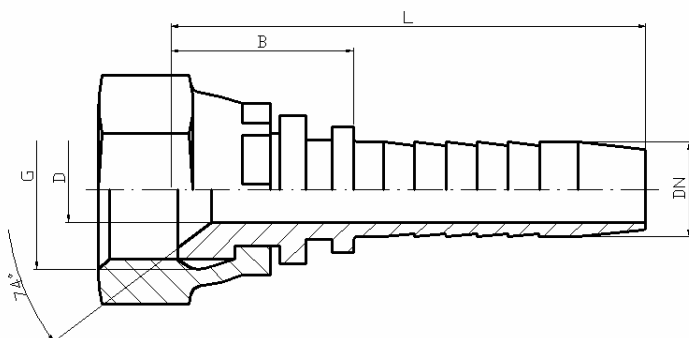
S-sześciokąt; S-шестигранник; S- hexagon

DKJ (C91)

Końcówka prosta JIC z gniazdem 74° i gwintem wewnętrznym UNF.

Straight female nipple JIC with socket 74°, UNF thread.

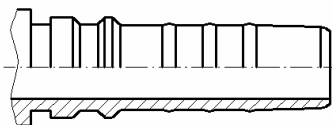
Нипель дюймовый UNF с внутренним конусом 74°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

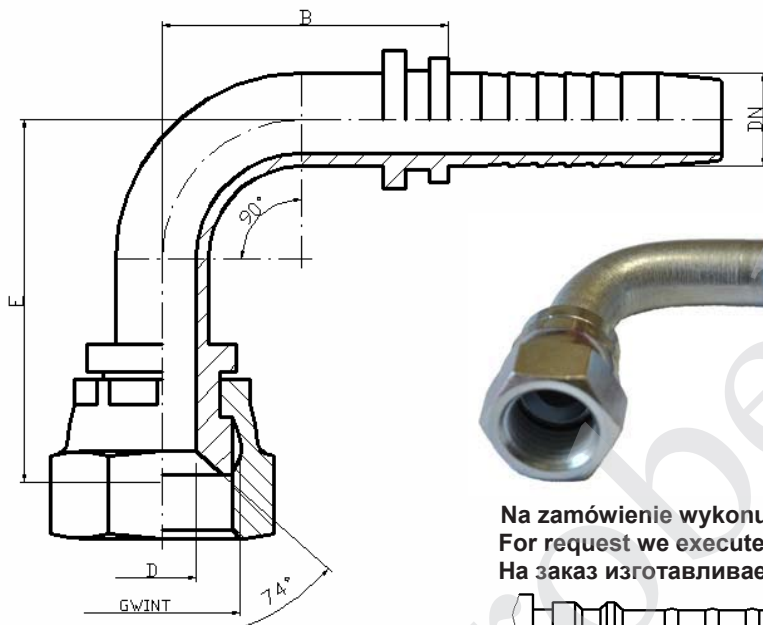
| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------------|-----------|-----------|--------------------|---------------------|
| 6 | 7/16"-20 UNF-2B | 4.0 | 16 | 1 | C91 06 7/16" |
| 6 | 1/2"-20 UNF-2B | 4.0 | 20 | 2 | C91 06 1/2" |
| 6 | 9/16"-18 UNF-2B | 4.0 | 20 | 3 | C91 06 9/16" |
| 8 | 1/2"-20 UNF-2B | 4.0 | 20 | 1 | C91 08 1/2" |
| 8 | 9/16"-18 UNF-2B | 4.0 | 22 | 2 | C91 08 9/16" |
| 10 | 1/2"-20 UNF-2B | 7.0 | 23 | 3 | C91 10 1/2" |
| 10 | 9/16"-18 UNF-2B | 7.0 | 23 | 1 | C91 10 9/16" |
| 10 | 3/4"-16 UNF-2B | 7.0 | 24 | 2 | C91 10 3/4" |
| 13 | 3/4"-16 UNF-2B | 9.0 | 24 | 1 | C91 13 3/4" |
| 13 | 7/8"-14 UNF-2B | 9.0 | 27 | 2 | C91 13 7/8" |
| 16 | 7/8"-14 UNF-2B | 12.5 | 27 | 1 | C91 16 7/8" |
| 16 | 1 1/16"-12 UNF-2A | 12.5 | 30 | 2 | C91 16 1 1/16" |
| 20 | 1 1/16"-12 UNF-2B | 15.0 | 30 | 1 | C91 20 1 1/16" |
| 20 | 1 5/16"-12 UNF-2B | 15.0 | 34 | 2 | C91 20 1 5/16" |
| 25 | 1 5/16"-12 UNF-2B | 20.0 | 39 | 1 | C91 25 1 5/16" |
| 32 | 1 5/8"-12 UNF-2B | 26.0 | 55 | 1 | C91 32 1 5/8" |

DKJ 90 (C92)

Końcówka gięta JIC z gniazdem 74° i gwintem wewnętrznym UNF.

Elbow 90° female nipple JIC with socket 74°, UNF thread.

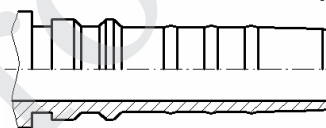
Угловой нипель 90° дюймовый UNF с внутренним конусом 74°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węza DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 7/16"-20 UNF-2B | 4.0 | 38 | 30 | 1 | C92 06 7/16" |
| 6 | 1/2"-20 UNF-2B | 4.0 | 38 | 30 | 2 | C92 06 1/2" |
| 6 | 9/16"-18 UNF-2B | 4.0 | 30 | 30 | 3 | C92 06 9/16" |
| 8 | 1/2"-20 UNF-2B | 4.0 | 40 | 35 | 1 | C92 08 1/2" |
| 8 | 9/16"-18 UNF-2B | 4.0 | 32 | 35 | 2 | C92 08 9/16" |
| 10 | 1/2"-20 UNF-2B | 7.0 | 42 | 35 | 3 | C92 10 1/2" |
| 10 | 9/16"-18 UNF-2B | 7.0 | 42 | 35 | 1 | C92 10 9/16" |
| 10 | 3/4"-16 UNF-2B | 7.0 | 34 | 35 | 2 | C92 10 3/4" |
| 13 | 3/4"-16 UNF-2B | 9.0 | 50 | 43 | 1 | C92 13 3/4" |
| 13 | 7/8"-14 UNF-2B | 9.0 | 42 | 43 | 2 | C92 13 7/8" |
| 16 | 7/8"-14 UNF-2B | 12.5 | 60 | 55 | 1 | C92 16 7/8" |
| 16 | 1 1/16"-12 UNF-2A | 12.5 | 52 | 55 | 2 | C92 16 1 1/16" |
| 20 | 1 1/16"-12 UNF-2B | 15.0 | 70 | 62 | 1 | C92 20 1 1/16" |
| 20 | 1 5/16"-12 UNF-2B | 15.0 | 62 | 62 | 2 | C92 20 1 5/16" |
| 25 | 1 5/16"-12 UNF-2B | 20.0 | 78 | 75 | 1 | C92 25 1 5/16" |
| 32 | 1 5/8"-12 UNF-2B | 26.0 | 92 | 94 | 1 | C92 32 1 5/8" |



DN06 ÷ DN13

Na zamówienie wykonujemy w wersji kompaktowej.

For request we execute in compact version.

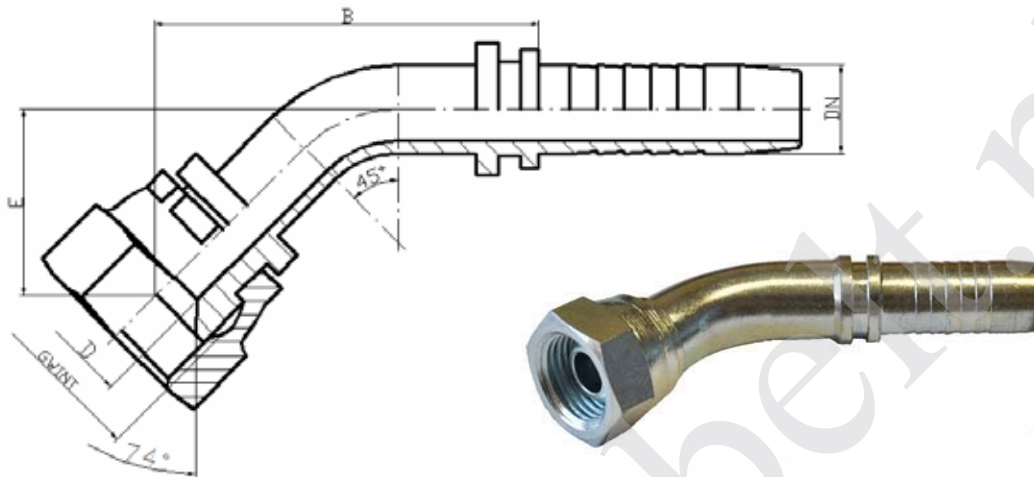
На заказ изготавливаем в компактной версии.

DKJ 45 (C95)

Końcówka gięta JIC z gniazdem 74° i gwintem wewnętrznym UNF.

Elbow 45° female nipple JIC with socket 74°, UNF thread.

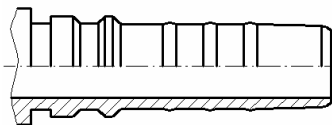
Угловой нипель 45° дюймовый UNF с внутренним конусом 74°.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

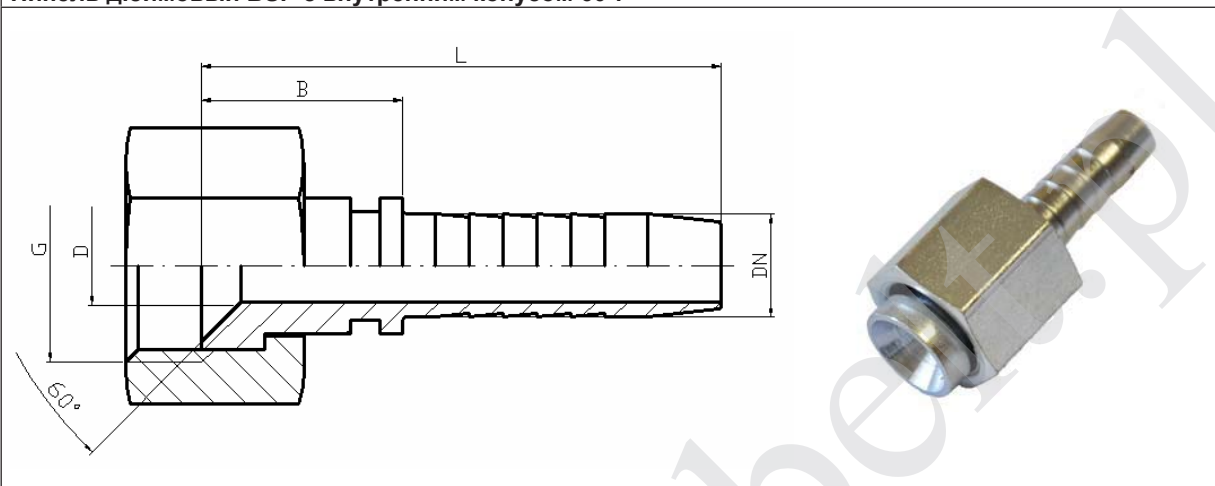
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 7/16"-20 UNF-2B | 4.0 | 27 | 26 | 1 | C95 06 7/16" |
| 6 | 1/2"-20 UNF-2B | 4.0 | 31 | 26 | 2 | C95 06 1/2" |
| 6 | 9/16"-18 UNF-2B | 4.0 | 36 | 26 | 3 | C95 06 9/16" |
| 8 | 1/2"-20 UNF-2B | 4.0 | 35 | 30 | 1 | C95 08 1/2" |
| 8 | 9/16"-18 UNF-2B | 4.0 | 38 | 30 | 2 | C95 08 9/16" |
| 10 | 1/2"-20 UNF-2B | 7.0 | 40 | 33 | 3 | C95 10 1/2" |
| 10 | 9/16"-18 UNF-2B | 7.0 | 40 | 33 | 1 | C95 10 9/16" |
| 10 | 3/4"-16 UNF-2B | 7.0 | 42 | 35 | 2 | C95 10 3/4" |
| 13 | 3/4"-16 UNF-2B | 9.0 | 49 | 42 | 1 | C95 13 3/4" |
| 13 | 7/8"-14 UNF-2B | 9.0 | 51 | 42 | 2 | C95 13 7/8" |
| 16 | 7/8"-14 UNF-2B | 9.0 | 55 | 52 | 1 | C95 16 7/8" |
| 16 | 1 1/16"-12 UNF-2A | 12.5 | 58 | 52 | 2 | C95 16 1 1/16" |
| 20 | 1 1/16"-12 UNF-2B | 15.0 | 62 | 60 | 1 | C95 20 1 1/16" |
| 20 | 1 5/16"-12 UNF-2B | 15.0 | 66 | 60 | 2 | C95 20 1 5/16" |
| 25 | 1 5/16"-12 UNF-2B | 20.0 | 76 | 65 | 1 | C95 25 1 5/16" |
| 32 | 1 5/8"-12 UNF-2B | 26.0 | 87 | 94 | 1 | C95 32 1 5/8" |

DK (P91) „TOYOTA”

Końcówka prosta BSP ze stożkiem wewnętrznym 60°.

Straight female nipple with socket 60° BSP thread.

Нипель дюймовый BSP с внутренним конусом 60°.



| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|--------|-----------|-----------|--------------------|---------------------|
| 6 | 1/4" | 4.0 | 20 | 1 | P91 06 1/4" |
| 10 | 3/8" | 7.0 | 20 | 1 | P91 10 3/8" |
| 13 | 1/2" | 9.0 | 33 | 1 | P91 13 1/2" |
| 20 | 3/4" | 15.0 | 23 | 1 | P91 20 3/4" |
| 25 | 1" | 20.0 | 24.5 | 1 | P91 25 1" |
| 32 | 1 1/4" | 26.0 | 31 | 1 | P91 32 1 1/4" |
| 40 | 1 1/2" | 32.0 | 31 | 1 | P91 40 1 1/2" |

- na życzenie klienta końcówki P91 wykonujemy także w wersji giętej.
- по требованиям заказчика нипель P91 производим угловые.
- for request P91 in elbow version

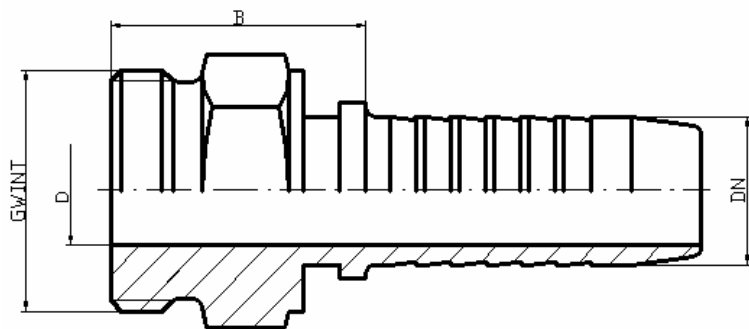


AGR-FL (G11) USZCZALNIENIE PŁASKIE

Końcówka prosta wg DIN 3852 z gwintem BSP.

Straight male nipple, flat seal, BSP thread.

Нипель дюймовый BSP.



| średnica węza DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|----------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | G 1/4" | 4.0 | 26 | 19 | 1 | G11 06 1/4" |
| 8 | G 1/4" | 5.5 | 28 | 19 | 1 | G11 08 1/4" |
| 8 | G 3/8" | 5.5 | 28 | 22 | 2 | G11 08 3/8" |
| 10 | G 3/8" | 7.0 | 27 | 22 | 1 | G11 10 3/8" |
| 10 | G 1/2" | 7.0 | 28 | 27 | 2 | G11 10 1/2" |
| 13 | G 1/2" | 9.0 | 33 | 27 | 1 | G11 13 1/2" |
| 13 | G 5/8" | 9.0 | 33 | 30 | 2 | G11 13 5/8" |
| 16 | G 5/8" | 12.5 | 34 | 30 | 1 | G11 16 5/8" |
| 16 | G 3/4" | 12.5 | 35 | 32 | 2 | G11 16 3/4" |
| 20 | G 3/4" | 15.0 | 38 | 32 | 1 | G11 20 3/4" |
| 20 | G 1" | 15.0 | 42 | 41 | 2 | G11 20 1" |
| 25 | G 1" | 20.0 | 44 | 41 | 1 | G11 25 1" |
| 25 | G 1 1/4" | 20.0 | 47 | 50 | 2 | G11 25 1 1/4" |
| 32 | G 1 1/4" | 26.0 | 51 | 50 | 1 | G11 32 1 1/4" |

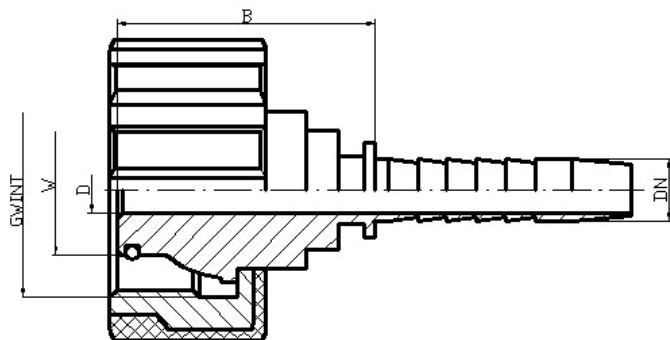
S-sześciokąt; S-шестигранник; S- hexagon

KARCHER (K51) L16

Końcówka prosta przewodu do maszyn myjących KARCHER z nakrętką standardową.

Female wash cleaner KARCHER with standart nut.

Нипель для моек KARCHER с стандартной удлиненной гайкой.



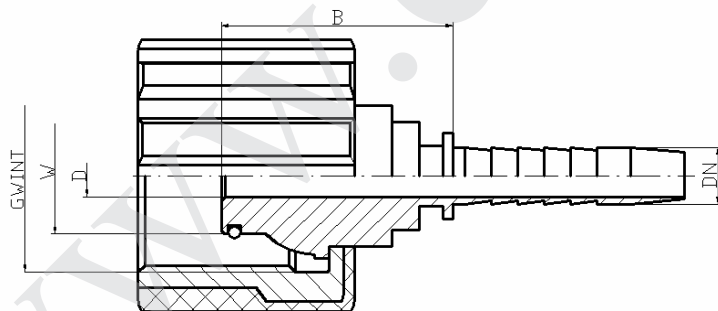
| średnica węża DN | Gwint | D [mm] | W [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|--------|-----------------|---------------------|
| 06 | M22x1,5 | 4.0 | 14.0 | 29.0 | 1 | K51 06 M22x1.5 L16 |
| 08 | M22x1,5 | 5.5 | 14.0 | 29.0 | 1 | K51 08 M22x1.5 L16 |
| 10 | M22x1,5 | 7.0 | 14.0 | 29.0 | 1 | K51 10 M22x1.5 L16 |

KARCHER (K51) L22

Końcówka prosta przewodu do maszyn myjących KARCHER z nakrętką wydłużoną.

Female wash cleaner KARCHER with nut.

Нипель для моек KARCHER с удлиненной гайкой.



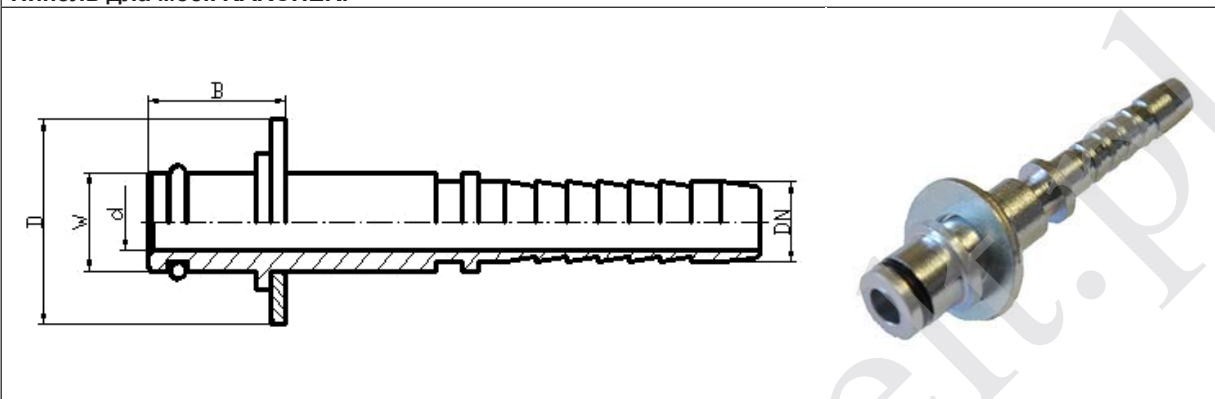
| średnica węża DN | Gwint | D [mm] | W [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|------------------|---------|--------|--------|--------|-----------------|---------------------|
| 06 | M22x1,5 | 4.0 | 14.0 | 29.0 | 1 | K51 06 M22x1.5 L22 |
| 08 | M22x1,5 | 5.5 | 14.0 | 29.0 | 1 | K51 08 M22x1.5 L22 |
| 10 | M22x1,5 | 7.0 | 14.0 | 29.0 | 1 | K51 10 M22x1.5 L22 |

LANCA (L51)

Końcówka prosta Lancy (przewody do maszyn myjących) KARCHER.

Straight fitting for wash cleaner KARCHER, o-ring.

Нипель для моек KARCHER.



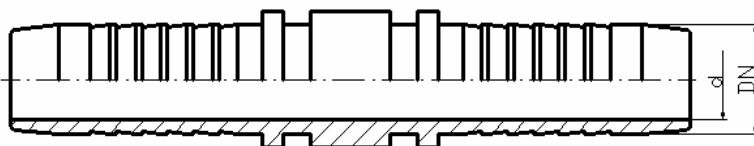
| średnica węża DN | d [mm] | D [mm] | W [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------|-----------|-----------|-----------|--------------------|---------------------|
| 06 | 4.0 | 21.0 | 10 | 12.0 | 1 | L51 06 W10 |
| 06 | 4.0 | 21.0 | 11 | 12.0 | 2 | L51 06 W11 |
| 08 | 5.5 | 21.0 | 10 | 12.0 | 1 | L51 08 W10 |
| 08 | 5.5 | 21.0 | 11 | 12.0 | 2 | L51 08 W11 |

Łącznik

Łącznik do łączenia węży hydraulicznych.

Connector.

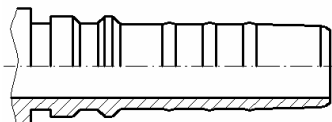
Соединитель.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)



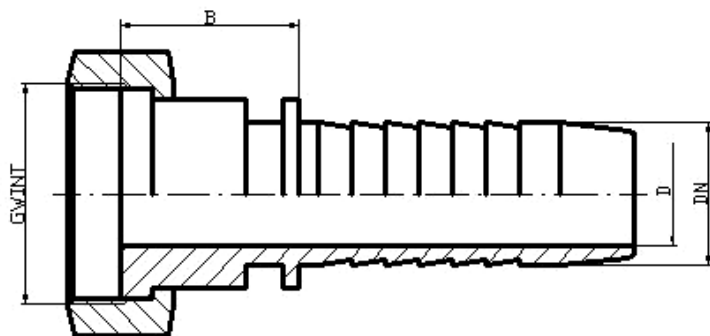
| średnica węża DN | d [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-----------|--------------------|---------------------|
| 06 | 4.0 | 1 | Łącznik DN 06 |
| 08 | 5.5 | 1 | Łącznik DN 08 |
| 10 | 7.0 | 1 | Łącznik DN 10 |
| 13 | 9.0 | 1 | Łącznik DN 13 |
| 16 | 12.5 | 1 | Łącznik DN 16 |
| 20 | 15.0 | 1 | Łącznik DN 20 |
| 25 | 20.0 | 1 | Łącznik DN 25 |
| 32 | 26.0 | 1 | Łącznik DN 32 |

ORFS (K41)

Końcówka prosta płaska z gwintem UNF.

Straight female, flat nipple, UNF thread.

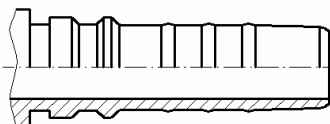
Нипель дюймовый UNF фланцевый.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

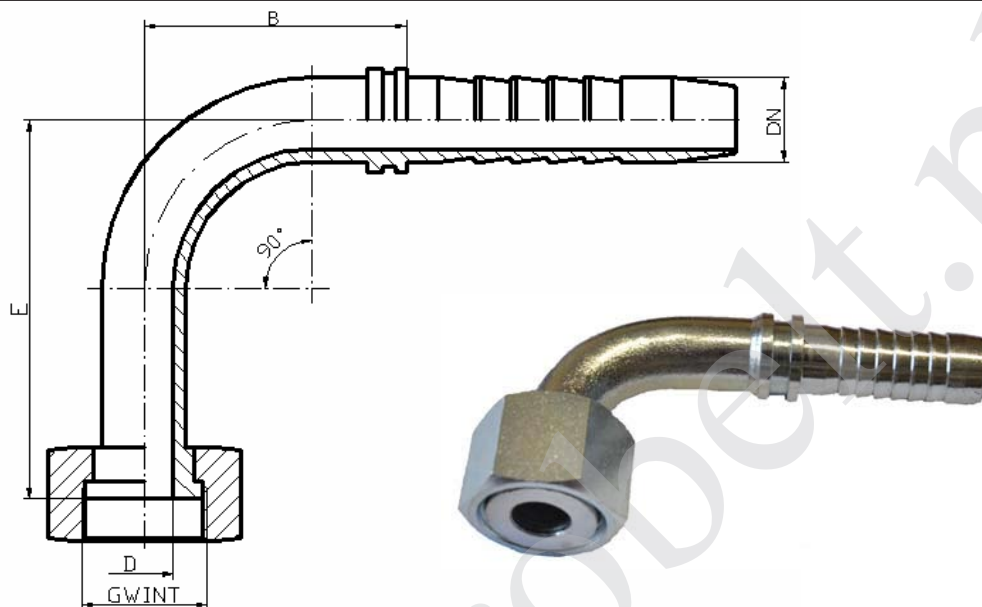
| średnica węża DN | Gwint | D [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------|-----------|-----------|--------------------|---------------------|
| 6 | 9/16"-18 | 4.0 | 27.5 | 1 | K41 06 9/16"-18 |
| 6 | 11/16"-16 | 4.0 | 30.0 | 2 | K41 06 11/16"-16 |
| 8 | 11/16"-16 | 5.5 | 30.5 | 1 | K41 08 11/16"-16 |
| 10 | 11/16"-16 | 7.0 | 31.1 | 1 | K41 10 11/16"-16 |
| 10 | 13/16"-16 | 7.0 | 35.6 | 2 | K41 10 13/16"-16 |
| 13 | 13/16"-16 | 9.0 | 35.9 | 1 | K41 13 13/16"-16 |
| 13 | 1"-14 | 9.0 | 38.4 | 2 | K41 13 1"-14 |
| 13 | 1.3/16"-12 | 9.0 | 41.9 | 3 | K41 13 1.3/16"-12 |
| 16 | 1"-14 | 12.5 | 38.7 | 1 | K41 16 1"-14 |
| 16 | 1.3/16"-12 | 12.5 | 43.5 | - | K41 16 1.3/16"-12 |
| 20 | 1"-14 | 12.5 | 41.0 | 1 | K41 20 1"-14 |
| 20 | 1.3/16"-12 | 15.0 | 43.5 | 2 | K41 20 1.3/16"-12 |
| 20 | 1.7/16"-12 | 15.0 | 45.5 | 3 | K41 20 1.7/16"-12 |
| 25 | 1.7/16"-12 | 20.0 | 46.3 | 1 | K41 25 1.7/16"-12 |
| 32 | 1.11/16"-12 | 26.0 | 49.0 | 1 | K41 25 1.11/16"-12 |
| 40 | 2"-12 | 32.0 | 54.0 | 1 | K41 25 2"-12 |

ORFS 90 (K42)

Końcówka gięta płaska z gwintem UNF.

Elbow 90° female, flat nipple, UNF thread.

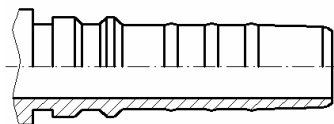
Угловой нипель 90° дюймовый UNF фланцевый.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

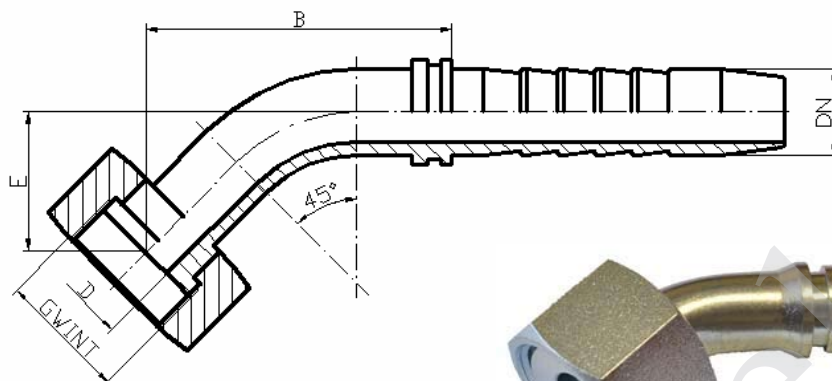
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 9/16"-18 | 4.0 | 30 | 30 | 1 | K42 06 9/16"-18 |
| 8 | 11/16"-16 | 7.0 | 34 | 35 | - | K42 08 11/16"-16 |
| 10 | 11/16"-16 | 7.0 | 34 | 35 | 1 | K42 10 11/16"-16 |
| 10 | 13/16"-16 | 7.0 | 34 | 35 | - | K42 10 13/16"-16 |
| 13 | 13/16"-16 | 9.0 | 42 | 43 | 1 | K42 13 13/16"-16 |
| 13 | 1"-14 | 9.0 | 42 | 43 | - | K42 13 1"-14 |
| 16 | 1"-14 | 12.5 | 50 | 55 | 1 | K42 16 1"-14 |
| 16 | 1.3/16"-12 | 12.5 | 50 | 55 | - | K42 16 1.3/16"-12 |
| 20 | 1.3/16"-12 | 15.0 | 62 | 62 | 1 | K42 20 1.3/16"-12 |
| 20 | 1.7/16"-12 | 15.0 | 62 | 62 | - | K42 20 1.7/16"-12 |
| 25 | 1.7/16"-12 | 26.0 | 70 | 75 | 1 | K42 25 1.7/16"-12 |

ORFS 45 (K45)

Końcówka gięta płaska z gwintem UNF.

Elbow 45° female, flat nipple, UNF thread.

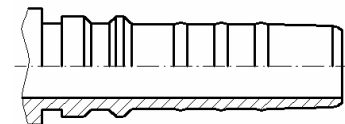
Угловой нипель 45° дюймовый UNF фланцевый.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

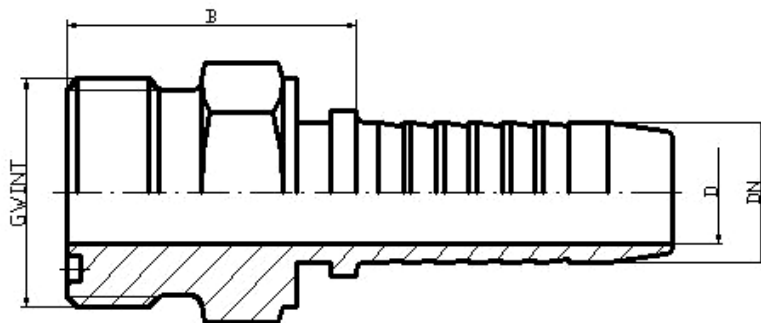
| średnica węża DN | Gwint | D [mm] | E [mm] | B [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 9/16"-18 | 4.0 | 12.0 | 32.5 | 1 | K45 06 9/16"-18 |
| 6 | 11/16"-16 | 4.0 | 10.5 | 32.5 | 2 | K45 06 11/16"-16 |
| 10 | 11/16"-16 | 7.0 | 11.0 | 32.5 | 1 | K45 10 11/16"-16 |
| 10 | 13/16"-16 | 7.0 | 12.5 | 40.5 | 2 | K45 10 13/16"-16 |
| 13 | 13/16"-16 | 9.0 | 14.0 | 48.0 | 1 | K45 13 13/16"-16 |
| 16 | 1"-14 | 12.5 | 16.0 | 51.0 | 1 | K45 16 1"-14 |
| 20 | 1.3/16"-12 | 15.0 | 21.0 | 71.5 | 1 | K45 20 1.3/16"-12 |
| 25 | 1.7/16"-12 | 20.0 | 24.0 | 82.5 | 1 | K45 25 1.7/16"-12 |
| 32 | 1.11/16"-12 | 26.0 | 26.0 | 115.0 | 1 | K45 25 1.11/16"-12 |
| 40 | 2"-12 | 32.0 | 31.5 | 128.0 | 1 | K45 25 2"-12 |

AORFS (K21)

Końcówka prosta z gwintem zewnętrznym UNF.

Straight male nipple with UNF thread.

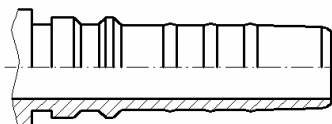
Нипель дюймовый UNF.



Na zamówienie wykonujemy w wersji:

For request we execute in version:

На заказ изготавливаем версии усиленные:



4SH DN20 ÷ DN50 (INTERLOCK)

R13-R15 6SH DN20 ÷ DN50 (INTERLOCK)

| średnica węża DN | Gwint | D [mm] | B [mm] | S [mm] | system oznaczeń | Symbol / Order code |
|---------------------|-------------|-----------|-----------|-----------|--------------------|---------------------|
| 6 | 9/16"-18 | 4.0 | 24.0 | 17 | 1 | K21 06 9/16"-18 |
| 8 | 11/16"-16 | 5.5 | 27.0 | 19 | - | K21 08 11/16"-16 |
| 10 | 11/16"-16 | 7.0 | 27.6 | 19 | 1 | K21 10 11/16"-16 |
| 13 | 13/16"-16 | 9.0 | 30.6 | 22 | 1 | K21 13 13/16"-16 |
| 13 | 1"-14 | 9.0 | 34.0 | 27 | - | K21 13 1"-14 |
| 16 | 1"-14 | 12.5 | 34.7 | 27 | 1 | K21 16 1"-14 |
| 16 | 1.3/16"-12 | 12.5 | 39.0 | 32 | - | K21 16 1.3/16"-12 |
| 20 | 1.3/16"-12 | 15.0 | 39.0 | 32 | 1 | K21 20 1.3/16"-12 |
| 20 | 1.7/16"-12 | 15.0 | 41.8 | 41 | - | K21 20 1.7/16"-12 |
| 25 | 1.7/16"-12 | 20.0 | 41.8 | 41 | 1 | K21 25 1.7/16"-12 |
| 32 | 1.11/16"-12 | 26.0 | 46.3 | 46 | 1 | K21 32 1.11/16"-12 |
| 40 | 2"-12 | 32.0 | 48.6 | 55 | 1 | K21 40 2"-12 |

S-sześciokąt; S-шестигранник; S- hexagon

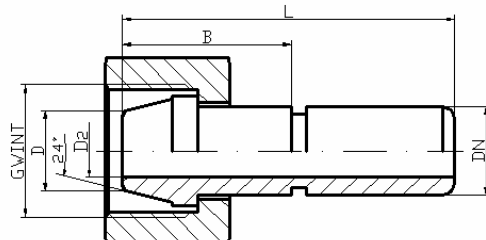
T-P11 / T-P21 / T-P41 / Tulejka-T

Końcówki i tulejka do przewodów od sprężarkowych.

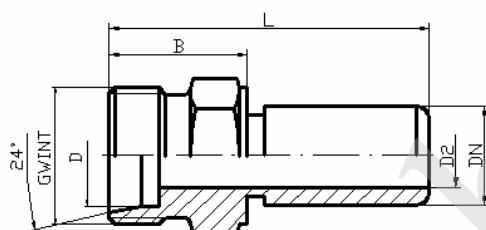
Nipples and ferrule for compressor hoses.

Ниппелей и втулка для рукавов компрессорных.

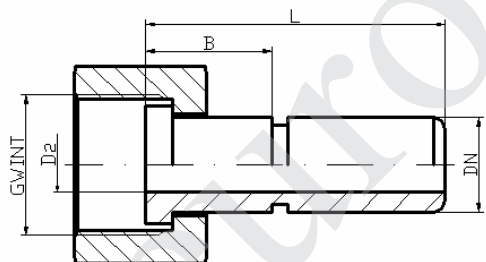
T-P11



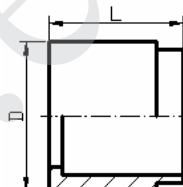
T-P21



T-P41



TULEJKA-T
FERRULE-T
ВТУЛКА-T



| Typ | średnica węża DN | wymiar D pod rurkę | Gwint | D ₂ [mm] | L [mm] | B [mm] | Symbol / Order code |
|-------|------------------|--------------------|---------|---------------------|--------|--------|----------------------|
| T-P11 | 16 | 15 | M22x1,5 | 10,5 | 56 | 29,5 | T-P11 16 M22x1,5 15L |
| T-P11 | 16 | 16 | M22x1,5 | 10,5 | 56 | 29,5 | T-P11 16 M22x1,5 16L |
| T-P11 | 16 | 16 | M24x1,5 | 10,5 | 56 | 29,5 | T-P11 16 M24x1,5 16S |
| T-P11 | 16 | 18 | M26x1,5 | 10,5 | 54 | 28 | T-P11 16 M26x1,5 18L |
| T-P11 | 19,5 | 22 | M30x2 | 14,5 | 59 | 23,5 | T-P11 19,5 M30x2 22L |
| T-P21 | 16 | 15 | M22x1,5 | 10,5 | 53 | 27,5 | T-P21 16 M22x1,5 15L |
| T-P21 | 16 | 16 | M22x1,5 | 10,5 | 53 | 27,5 | T-P21 16 M22x1,5 16L |
| T-P21 | 16 | 16 | M24x1,5 | 10,5 | 54 | 28 | T-P21 16 M24x1,5 16S |
| T-P21 | 16 | 18 | M26x1,5 | 10,5 | 54 | 28 | T-P21 16 M26x1,5 22L |
| T-P21 | 19,5 | 22 | M30x2 | 14,5 | 64,5 | 29 | T-P21 19,5 M30x2 22L |
| T-P41 | 16 | - | M22x1,5 | 10,5 | 52 | 21 | T-P41 16 M22x1,5 |
| T-P41 | 16 | - | M26x1,5 | 10,5 | 49 | 23 | T-P41 16 M26x1,5 |

Tulejka-SP/ FERRULE-SP / ВТУЛКА-SP

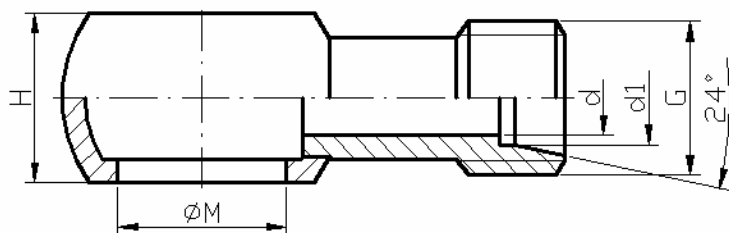
| średnica węża DN | D [mm] | L [mm] | Symbol / Order code |
|------------------|--------|--------|---------------------|
| 16 | 28 | 25,5 | T-T DN16 |
| 19,5 | 30 | 34,5 | T-T DN19,5 |



**Wysokociśnieniowe
złączki i przyłączki hydrauliczne**

**High pressure hydraulic adaptors
Штуцера**

ZŁĄCZKA OCZKOWA METRYCZNA
BANJO ADAPTER, METRIC / Штуцер банджо, метрический
P05



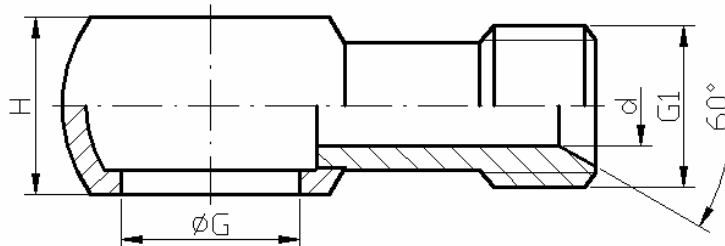
| średnica wew. oczka M | H [mm] | G | d [mm] | d1 [mm] | Symbol / Order code |
|-----------------------|--------|---------|--------|---------|---------------------------|
| M12x1,5 | 12.0 | M12x1,5 | 4.0 | 6 | P05 12 12 M12x1,5 6L |
| M12x1,5 | 14.0 | M12x1,5 | 4.0 | 6 | P05 12 14 M12x1,5 6L |
| M12x1,5 | 14.0 | M16x1,5 | 7.0 | 10 | P05 12 14 M16x1,5 10L |
| M12x1,5 | 14.0 | M18x1,5 | 9.0 | 12 | P05 12 14 M18x1,5 12L |
| M12x1,5 | 14.0 | M12x1,5 | 4.0 | 6 | P05 12 14 M12x1,5 6L |
| M14x1,5 | 12.0 | M14x1,5 | 5.5 | 8 | P05 14 12 M12x1,5 6L |
| M14x1,5 | 14.0 | M12x1,5 | 4.0 | 6 | P05 14 14 M14x1,5 8L |
| M14x1,5 | 14.0 | M14x1,5 | 5.5 | 8 | P05 14 14 M14x1,5 8L |
| M14x1,5 | 14.0 | M18x1,5 | 7.0 | 12 | P05 14 14 M18x1,5 12L |
| M14x1,5 | 15.0 | M14x1,5 | 7.0 | 8 | P05 14 15 M14x1,5 8L |
| M16x1,5 | 14.0 | M16x1,5 | 7.0 | 10 | P05 16 14 M16x1,5 10L |
| M16x1,5 | 15.0 | M16x1,5 | 7.0 | 10 | P05 16 15 M16x1,5 10L |
| M18x1,5 | 15.0 | M18x1,5 | 7.0 | 12 | P05 18 15 M18x1,5 12L |
| M18x1,5 | 15.0 | M18x1,5 | 7.0 | 12 | P05 18 15 M18x1,5 12L |
| M18x1,5 | 18.0 | M14x1,5 | 5.5 | 8 | P05 18 18 M14x1,5 8L |
| M18x1,5 | 18.0 | M18x1,5 | 9.0 | 12 | P05 18 18 M18x1,5 12L |
| M18x1,5 | 18.0 | M22x1,5 | 9.0 | 15/16 | P05 18 18 M22x1,5 15L/16L |
| M20x1,5 | 18.0 | M18x1,5 | 9.0 | 12 | P05 20 18 M18x1,5 12L |
| M20x1,5 | 18.0 | M22x1,5 | 12.5 | 15/16 | P05 20 18 M22x1,5 15L/16L |
| M20x1,5 | 21.0 | M20x1,5 | 9.0 | 12 | P05 20 21 M20x1,5 12S |
| M22x1,5 | 19.0 | M22x1,5 | 9.0 | 15/16 | P05 22 19 M22x1,5 15L/16L |
| M22x1,5 | 22.0 | M18x1,5 | 9.0 | 12L | P05 22 22 M18x1,5 12L |
| M22x1,5 | 22.0 | M20x1,5 | 9.0 | 12S | P05 22 22 M20x1,5 12S |
| M22x1,5 | 22.0 | M22x1,5 | 12.5 | 15/16 | P05 22 22 M22x1,5 15L/16L |
| M26x1,5 | 25.5 | M26x1,5 | 15.0 | 18 | P05 26 25,5 M26x1,5 18L |
| M26x1,5 | 22.0 | M26x1,5 | 12.5 | 18 | P05 26 22 M26x1,5 18L |
| M27x1,5 | 22.0 | M27x1,5 | 12.5 | 18 | P05 27 22 M27x1,5 18L |
| M27x2 | 25.5 | M27x2 | 15.0 | 18 | P05 27 25,5 M27x2 18L |
| M30x1.5 | 31.5 | M30x1.5 | 20.0 | 22 | P05 30 31,5 M30x1,5 22L |

Na zamówienie wykonujemy także w innych różnych redukcyjnych wersjach.

For request we execute in different reducing versions.

На заказ мы изготавливаем тоже в разных редукционных версиях.

ZŁĄCZKA OCZKOWA CALOWA
BANJO ADAPTER, BSP / Штуцер банджо, дюймовый
C05



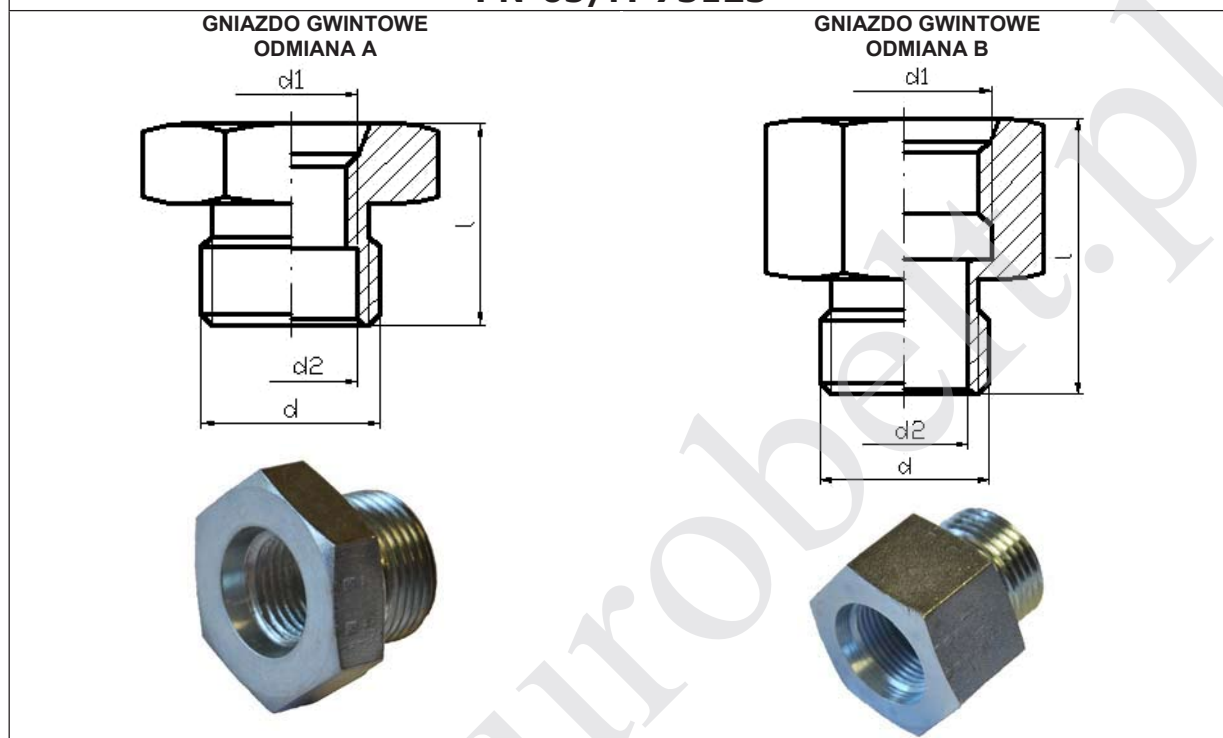
| średnica wew. oczka G | H [mm] | G1 | d [mm] | Symbol / Order code |
|-----------------------|--------|--------|--------|----------------------|
| G 1/8" | 14 | G 1/8" | 4.0 | C05 G1/8" 14 G1/8" |
| G 1/4" | 13,5 | G 1/4" | 4.0 | C05 G1/4" 13,5 G1/4" |
| G 1/8" | 14 | G 1/8" | 5.5 | C05 G1/8" 14 G1/8" |
| G 1/4" | 13,5 | G 1/4" | 5.5 | C05 G1/4" 13,5 G1/4" |
| G 1/4" | 14 | G 1/4" | 7.0 | C05 G1/4" 14 G1/4" |
| G 3/8" | 17 | G 3/8" | 7.0 | C05 G3/8" 17 G3/8" |
| G 3/8" | 19 | G 3/8" | 9.0 | C05 G3/8" 19 G3/8" |
| G 1/2" | 22 | G 1/2" | 9.0 | C05 G1/2" 22 G1/2" |
| G 5/8" | 23,5 | G 5/8" | 12.5 | C05 G5/8" 23,5 G5/8" |
| G 1/2" | 22 | G 1/2" | 12.5 | C05 G1/2" 22 G1/2" |
| G 3/4" | 29 | G 3/4" | 15.0 | C05 G3/4" 29 G3/4" |
| G 3/4" | 32 | G 3/4" | 20.0 | C05 G3/4" 32 G3/4" |
| G 1" | 38 | G 1" | 20.0 | C05 G1" 38 G1" |

Na zamówienie wykonujemy także w różnych redukcyjnych wersjach.

For request we execute in reducing versions.

На заказ мы изготавливаем тоже в редукционных версиях.

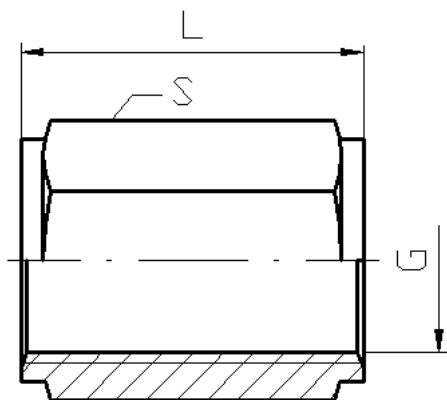
TULEJA RÓŻNICOWA
DIFFERENTIAL SLEEVE / Втулка редукционная
PN-65/M-73123



| Ciśnienie nominalne P _{nom} [Mpa] | Gniazdo D _{nom} [mm] | Przyłączka D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | L [mm] | Gniazdo gwintowe, odmiana | S [mm] |
|-----------------------------------------------|----------------------------------|-------------------------------------|---------|---------|---------|--------|---------------------------|--------|
| do 16 | 8 | 6 | M14x1.5 | M12x1.5 | 8 | 30 | B | 19 |
| | 10 | 6 | M16x1.5 | M14x1.5 | 10 | | | 22 |
| | 13 | 8 | M20x1.5 | M16x1.5 | 14.5 | 23 | A | 27 |
| | | 10 | | | 12 | 32 | B | |
| | 16 | 10 | M22x1.5 | M20x1.5 | 16.5 | 23 | A | 30 |
| | | 13 | | | 15 | 34 | B | |
| | 20 | 13 | M27x2 | M22x1.5 | 20.5 | 26 | A | 36 |
| | | 16 | | | 19 | 36 | B | |
| | 25 | 16 | M33x2 | M27x2 | 22.5 | 28 | A | 41 |
| | | 20 | | | 25 | 42 | B | |
| | 32 | 20 | M42x2 | M33x2 | 28 | 33 | A | 50 |
| | | 25 | | | 32 | 46 | B | |
| 40 | 25 | M48x2 | M42x2 | 34 | 37 | A | 60 | |
| | 32 | | | 38 | 50 | B | | |
| do 32 | 6 | 4 | M16x1.5 | M14x1.5 | 6 | 32 | B | 22 |
| | 8 | 4 | M20x1.5 | M16x1.5 | 8 | 34 | | 27 |
| | | 6 | | | | | | |
| | 10 | 6 | M22x1.5 | M20x1.5 | 10 | 36 | | 30 |
| | | 8 | | | | | | |
| | 13 | 8 | M27x2 | M22x1.5 | 12 | 38 | | 36 |
| | | 10 | | | | | | |
| | 16 | 10 | M33x2 | M27x2 | 15 | 42 | | 41 |
| | | 13 | | | | | | |
| | 20 | 13 | M42x2 | M33x2 | 20 | 46 | | 50 |
| | | 16 | | | | | | |
| | 25 | 16 | M48x2 | M42x2 | 25 | 50 | | 60 |
| 20 | | | | | | | | |

S-sześciokąt; S-шестигранник; S- hexagon

MUFA / MUFF / Муфта

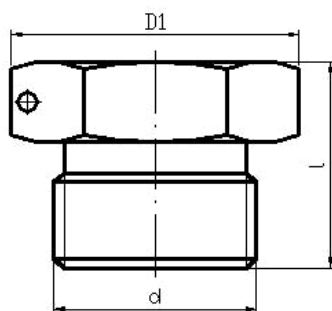


| G [Gwint] | L [mm] | S [mm] | Symbol / Order code |
|--------------|-----------|-----------|---------------------|
| M14x1,5 | 30 | 19 | MUFA M14x1,5 |
| M16x1,5 | 30 | 22 | MUFA M16x1,5 |
| M18x1,5 | 35 | 22 | MUFA M18x1,5 |
| M22x1,5 | 38 | 27 | MUFA M22x1,5 |
| G1/4" | 30 | 19 | MUFA G1/4" |
| G3/8" | 30 | 22 | MUFA G3/8" |
| G1/2" | 35 | 27 | MUFA G1/2" |
| G3/4" | 38 | 32 | MUFA G3/4" |
| G1" | 43 | 41 | MUFA G1" |

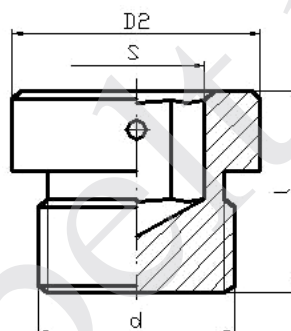
S-sześciokąt; S-шестигранник; S- hexagon

KOREK GWINTOWANY
THREADED PLUG / Заглушка резьбовая
PN-65/M-73124

ODMIANA A



ODMIANA B

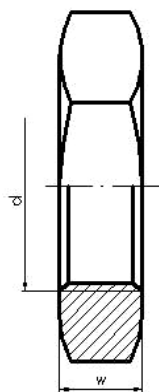


| d [mm] | D1 [mm] | D2 [mm] | S [mm] | l [mm] | S ₁ [mm] | | | |
|-----------|------------|------------|-----------|-----------|------------------------|------|----|----|
| M8x1 | 16.2 | 13 | 4 | 13 | 14 | | | |
| M10x1 | 19.6 | 17 | 5 | 14 | 17 | | | |
| M12x1.5 | | | | 18 | | | | |
| M14x1.5 | | | | | | | | |
| M16x1.5 | 21.9 | 19 | 8 | 20 | 19 | | | |
| M18x1.5 | 25.4 | 22 | | | 22 | | | |
| M20x1.5 | 27.7 | 24 | | | 24 | | | |
| M22x1.5 | 31.2 | 27 | 10 | 24 | 27 | | | |
| M24x1.5 | | | | | 14 | 30 | | |
| M27x2 | | | | | | 32 | | |
| M30x2 | 36.9 | 32 | 17 | 26 | | 32 | | |
| M33x2 | 41.6 | 36 | | | 36 | | | |
| M36x2 | 47.3 | 41 | | | 19 | 30 | 41 | |
| M39x2 | | | 53.1 | 46 | | | 46 | |
| M42x2 | | | 57.7 | 50 | | | 27 | 34 |
| M45x2 | 63.5 | 55 | | | 36 | 55 | | |
| M48x2 | | | | | | 69.3 | | |
| M52x2 | | | 75 | 65 | | | 32 | 65 |
| M56x2 | | | | | | | | |
| M60x2 | | | | | | | | |

S₁-sześciokąt; S₁-шестигранник; S₁-hexagon

**PRZECIWNAKRĘTKA
LOCK NUT / Контрогайка**

PN-65/M-73109

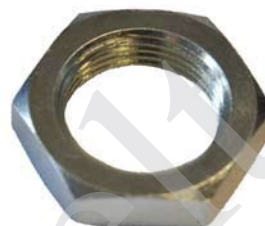
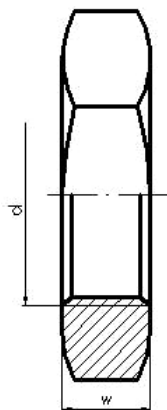


| d [mm] | S [mm] | w [mm] | Symbol / Order code |
|-----------|-----------|--------------|---------------------|
| M8x1 | 14 | 6 | PN-109 M8x1 |
| M10x1 | 17 | | PN-109 M10x1 |
| M12x1.5 | | | PN-109 M12x1,5 |
| M14x1.5 | 19 | 7 | PN-109 M14x1,5 |
| M16x1.5 | 22 | | PN-109 M16x1,5 |
| M18x1.5 | 24 | | PN-109 M18x1,5 |
| M20x1.5 | 27 | 8 | PN-109 M20x1,5 |
| M22x1.5 | 30 | | PN-109 M22x1,5 |
| M24x1.5 | 32 | | PN-109 M24x1,5 |
| M27x2 | 36 | | PN-109 M27x2 |
| M30x2 | 41 | | PN-109 M30x2 |
| M33x2 | | PN-109 M33x2 | |
| M36x2 | 46 | 9 | PN-109 M36x2 |
| M39x2 | 50 | | PN-109 M39x2 |
| M42x2 | | | PN-109 M42x2 |
| M45x2 | 55 | | PN-109 M45x2 |
| M48x2 | 60 | | PN-109 M48x2 |
| M52x2 | 65 | 10 | PN-109 M52x2 |
| M56x2 | 70 | | PN-109 M56x2 |
| M60x2 | 75 | | PN-109 M60x2 |

S-sześciokąt; S-шестигранник; S- hexagon

PRZECIWNĄKRĘTKA CALOWA
INCH LOCK NUT / Контрогайка дюймовая

CN-109

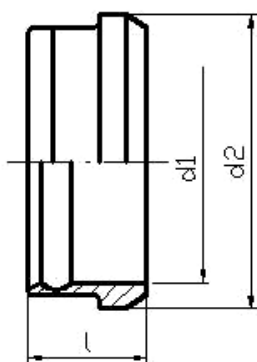


| d [mm] | w [mm] | S [mm] | Symbol / Order code |
|-----------|-----------|-----------|---------------------|
| 1/4" | 6 | 19 | CN-109 1/4 |
| 3/8" | 7 | 22 | CN-109 3/8 |
| 1/2" | 8 | 27 | CN-109 1/2 |
| 3/4" | 9 | 32 | CN-109 3/4 |
| 1" | 10 | 41 | CN-109 1 |

S-sześciokąt; S-шестигранник; S-hexagon

PIERŚCIE ZACINAJĄCY
CUTTING RING / Кольцо зажимное

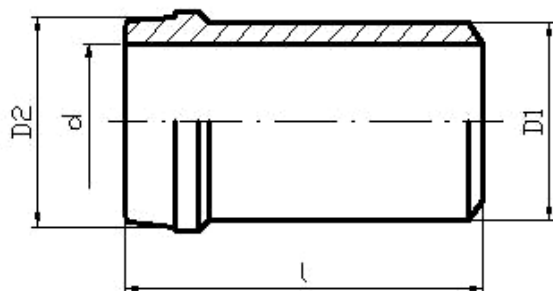
PN-65/M-73137



| Ciśnienie nominalne P_{nom} [MPa] | Średnica nominalna przełotu D_{nom} [mm] | d1 – pod rurkę [mm] | d2 [mm] | l [mm] | Symbol / Order code |
|-------------------------------------------|--------------------------------------------------|------------------------|------------|-----------|---------------------|
| do 16 | 3 | 5 | 7 | 6.5 | PN-137 16-3 |
| | 4 | 6 | 9 | 9 | PN-137 16-4 |
| | 6 | 8 | 11 | 9.5 | PN-137 16-6 |
| | 8 | 10 | 13 | | PN-137 16-8 |
| | 10 | 12 | 15 | | PN-137 16-10 |
| | 13 | 15 | 19 | | PN-137 16-13 15L |
| | 13 | 16 | 19 | 10 | PN-137 16-13 |
| | 16 | 18 | 21 | | PN-137 16-16 |
| | 20 | 22 | 25 | | PN-137 16-20 |
| | 25 | 28 | 31 | | PN-137 16-25 |
| | 32 | 35 | 39 | 12 | PN-137 16-32 |
| | 40 | 42 | 46 | | PN-137 16-40 |
| do 32 | 3 | 5 | 8 | 8 | PN-137 32-3 |
| | 4 | 6 | 9 | 9 | PN-137 32-4 |
| | 5 | 8 | 11 | 9.5 | PN-137 32-5 |
| | 6 | 10 | 13 | | PN-137 32-6 |
| | 8 | 14 | 17 | | PN-137 32-8 |
| | 10 | 16 | 19 | | PN-137 32-10 |
| | 13 | 20 | 24 | 11 | PN-137 32-13 |
| | 16 | 25 | 29 | | PN-137 32-16 |
| | 20 | 30 | 34 | 12 | PN-137 32-20 |
| | 25 | 38 | 42 | 12.5 | PN-137 32-25 |

KO CÓWKA KULISTA
BALL NIPPLE FOR WELDING / Нипель сварочный

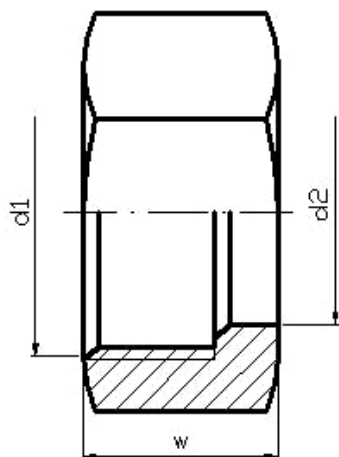
PN-65/M-73138



| Ciśnienie nominalne P_{nom} [MPa] | Średnica nominalna przelotu D_{nom} [mm] | d [mm] | D1 [mm] | D2 [mm] | l [mm] | Symbol / Order code |
|-------------------------------------|--------------------------------------------|--------|---------|---------|--------|---------------------|
| do 16 | 3 | 3 | 5 | 6.5 | 33 | PN-138 16-3 |
| | 4 | 4 | 6 | 8.1 | 36 | PN-138 16-4 |
| | 6 | 6 | 8 | 10.1 | | PN-138 16-6 |
| | 8 | 8 | 10 | 12.3 | | PN-138 16-8 |
| | 10 | 10 | 12 | 14.3 | | PN-138 16-10 |
| | 13 | 12.8 | 16 | 18.3 | 38 | PN-138 16-13 |
| | 16 | 14 | 18 | 20.3 | 40 | PN-138 16-16 |
| | 20 | 18 | 22 | 24.3 | | PN-138 16-20 |
| | 25 | 23 | 28 | 30.3 | | PN-138 16-25 |
| | 32 | 29 | 35 | 37.9 | | PN-138 16-32 |
| do 32 | 40 | 36 | 42 | 44.9 | 44 | PN-138 16-40 |
| | 3 | 3 | 5 | 7.1 | 36 | PN-138 32-3 |
| | 4 | 4 | 6 | 8.1 | 38 | PN-138 32-4 |
| | 5 | 4.8 | 8 | 10.1 | | PN-138 32-5 |
| | 6 | 6.8 | 10 | 12.3 | | PN-138 32-6 |
| | 8 | 9 | 14 | 16.3 | 40 | PN-138 32-8 |
| | 10 | 11 | 16 | 18.3 | | PN-138 32-10 |
| | 13 | 13 | 20 | 22.9 | | PN-138 32-13 |
| | 16 | 17 | 25 | 27.9 | | PN-138 32-16 |
| | 20 | 20 | 30 | 32.9 | 44 | PN-138 32-20 |
| | 25 | 26 | 38 | 40.9 | 46 | PN-138 32-25 |

NAKRĘTKA ZŁĄCZNA NUT / Гайка

PN-65/M-73139

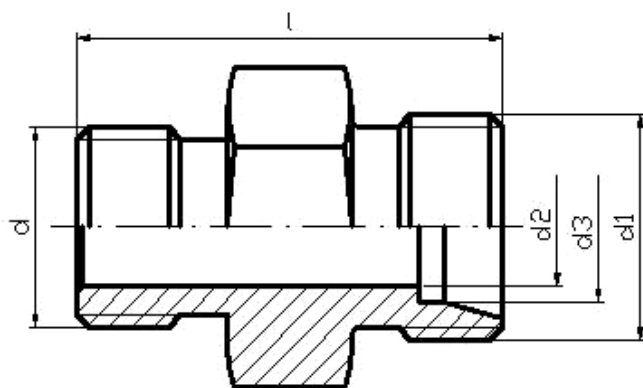


| Ciśnienie nominalne P_{nom} [MPa] | Średnica nominalna przełotu D_{nom} [mm] | d1 [mm] | d2 – pod rurkę [mm] | S [mm] | w [mm] | Symbol / Order code |
|-------------------------------------|--------------------------------------------|---------|---------------------|--------|--------|---------------------|
| do 16 | 3 | M10x1 | 5 | 14 | 11 | PN-139 16-3 |
| | 4 | M12x1.5 | 6 | 17 | 15 | PN-139 16-4 |
| | 6 | M14x1.5 | 8 | | | PN-139 16-6 |
| | 8 | M16x1.5 | 10 | 19 | 16 | PN-139 16-8 |
| | 10 | M18x1.5 | 12 | 22 | | PN-139 16-10 |
| | 13 | M22x1.5 | 15 | 27 | 17 | PN-139 16-13 15L |
| | 13 | M22x1.5 | 16 | 27 | 17 | PN-139 16-13 |
| | 16 | M27x2 | 18 | 32 | 20 | PN-139 16-16 |
| | 20 | M30x2 | 22 | 36 | | PN-139 16-20 |
| | 25 | M36x2 | 28 | 41 | 21 | PN-139 16-25 |
| | 32 | M45x2 | 35 | 50 | 24 | PN-139 16-32 |
| do 32 | 40 | M52x2 | 42 | 60 | 24 | PN-139 16-40 |
| | 3 | M10x1 | 5 | 14 | 15 | PN-139 32-3 |
| | 4 | M14x1.5 | 6 | 17 | 17 | PN-139 32-4 |
| | 5 | M16x1.5 | 8 | 19 | | PN-139 32-5 |
| | 6 | M18x1.5 | 10 | 22 | 18 | PN-139 32-6 |
| | 8 | M22x1.5 | 14 | 27 | 21 | PN-139 32-8 |
| | 10 | M24x1.5 | 16 | 30 | | PN-139 32-10 |
| | 13 | M30x2 | 20 | 36 | 24 | PN-139 32-13 |
| | 16 | M36x2 | 25 | 46 | 27 | PN-139 32-16 |
| | 20 | M42x2 | 30 | 50 | 30 | PN-139 32-20 |
| | 25 | M52x2 | 38 | 60 | 33 | PN-139 32-25 |

S-sześciokąt; S-шестигранник; S- hexagon

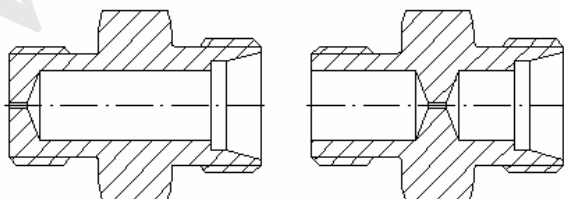
KORPUS PRZYŁĄCZKI PROSTEJ
STRAIGHT METRIC COUPLING / Штуцер прямой

PN-65/M-73140



| Ciśnienie nominalna P _{nom} [Mpa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l [mm] | S [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|---------|---------|---------|---------|--------|--------|---------------------|
| do 16 | 3 | M10x1 | M10x1 | 3 | 5 | 22 | 17 | PN-140 16-3 |
| | 4 | | M12x1.5 | 4 | 6 | 25 | | PN-140 16-4 |
| | 6 | M12x1.5 | M14x1.5 | 6 | 8 | 29 | 19 | PN-140 16-6 |
| | 8 | M14x1.5 | M16x1.5 | 8 | 10 | 32 | | PN-140 16-8 |
| | 10 | M16x1.5 | M18x1.5 | 10 | 12 | 34 | 22 | PN-140 16-10 |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 15 | 36 | 27 | PN-140 16-13 15L |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 16 | 36 | 27 | PN-140 16-13 |
| | 16 | M22x1.5 | M27x2 | 14 | 18 | 40 | 30 | PN-140 16-16 |
| | 20 | M27x2 | M30x2 | 18 | 22 | 42 | 32 | PN-140 16-20 |
| | 25 | M33x2 | M36x2 | 23 | 28 | 46 | 41 | PN-140 16-25 |
| do 32 | 32 | M42x2 | M45x2 | 29 | 35 | 52 | 50 | PN-140 16-32 |
| | 40 | M48x2 | M52x2 | 36 | 42 | 54 | 55 | PN-140 16-40 |
| | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 17 | PN-140 32-3 |
| | 4 | M12x1.5 | M14x1.5 | 4 | 6 | 30 | | PN-140 32-4 |
| | 5 | M14x1.5 | M16x1.5 | 4.8 | 8 | 32 | 19 | PN-140 32-5 |
| | 6 | M16x1.5 | M18x1.5 | 6.8 | 10 | | 22 | PN-140 32-6 |
| | 8 | M20x1.5 | M22x1.5 | 9 | 14 | 38 | 27 | PN-140 32-8 |
| | 10 | M22x1.5 | M24x1.5 | 11 | 16 | | 30 | PN-140 32-10 |
| | 13 | M27x2 | M30x2 | 13 | 20 | 44 | 32 | PN-140 32-13 |
| | 16 | M33x2 | M36x2 | 17 | 25 | 50 | 41 | PN-140 32-16 |
| | 20 | M42x2 | M42x2 | 20 | 30 | 56 | 50 | PN-140 32-20 |
| | 25 | M48x2 | M52x2 | 26 | 38 | 60 | 55 | PN-140 32-25 |

S-sześciokąt; S-шестигранник; S- hexagon



Wersje dławione.
 Версия с уменьшенным пролетом.
 Version with reduced flow.

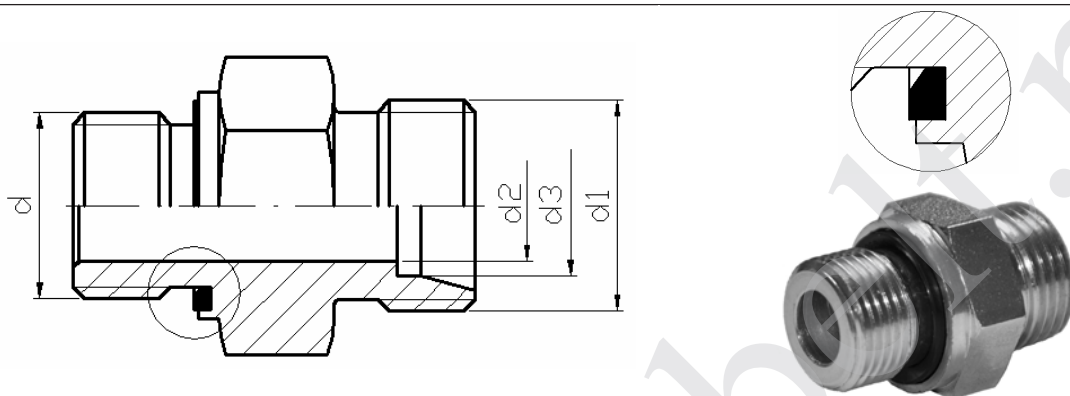
Istnieje możliwość zamówienia kompletu wg **PN-65 M-73126** :

Wersja A – Korpus przyłączy prostej + pierścień zacinający + nakrętka

Wersja B – Korpus przyłączy prostej + końcówka kulista + nakrętka

KORPUS PRZYŁĄCZKI PROSTEJ z uszczelnieniem ED
STRAIGHT METRIC COUPLING with ED seal
Штуцер прямой с резиновой подкладкой ЕД

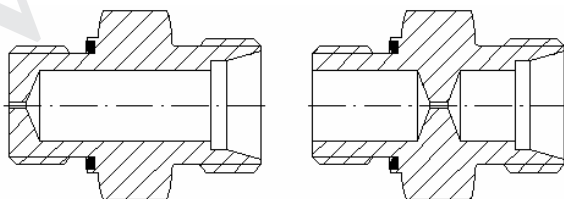
ZN-140 ED



| Ciśnienie nominalna P _{nom} [Mpa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | S [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|---------|---------|---------|---------|--------|-----------------------|
| do 16 | 3 | M10x1 | M10x1 | 3 | 5 | 17 | ZN-140 16-3 ED |
| | 4 | | M12x1.5 | 4 | 6 | | ZN-140 16-4 ED |
| | 6 | M12x1.5 | M14x1.5 | 6 | 8 | 19 | ZN-140 16-6 ED |
| | 8 | M14x1.5 | M16x1.5 | 8 | 10 | | ZN-140 16-8 ED |
| | 10 | M16x1.5 | M18x1.5 | 10 | 12 | 22 | ZN-140 16-10 ED |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 15 | 27 | ZN-140 16-13 15L ED * |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 16 | 27 | ZN-140 16-13 ED * |
| | 16 | M22x1.5 | M27x2 | 14 | 18 | 30 | ZN-140 16-16 ED |
| | 20 | M27x2 | M30x2 | 18 | 22 | 32 | ZN-140 16-20 ED |
| | 25 | M33x2 | M36x2 | 23 | 28 | 41 | ZN-140 16-25 ED |
| | 32 | M42x2 | M45x2 | 29 | 35 | 50 | ZN-140 16-32 ED |
| do 32 | 40 | M48x2 | M52x2 | 36 | 42 | 55 | ZN-140 16-40 ED |
| | 3 | M10x1 | M10x1 | 3 | 5 | 17 | ZN-140 32-3 ED |
| | 4 | M12x1.5 | M14x1.5 | 4 | 6 | | ZN-140 32-4 ED |
| | 5 | M14x1.5 | M16x1.5 | 4.8 | 8 | 19 | ZN-140 32-5 ED |
| | 6 | M16x1.5 | M18x1.5 | 6.8 | 10 | 22 | ZN-140 32-6 ED |
| | 8 | M20x1.5 | M22x1.5 | 9 | 14 | 27 | ZN-140 32-8 ED * |
| | 10 | M22x1.5 | M24x1.5 | 11 | 16 | 30 | ZN-140 32-10 ED |
| | 13 | M27x2 | M30x2 | 13 | 20 | 32 | ZN-140 32-13 ED |
| | 16 | M33x2 | M36x2 | 17 | 25 | 41 | ZN-140 32-16 ED |
| | 20 | M42x2 | M42x2 | 20 | 30 | 50 | ZN-140 32-20 ED |
| | 25 | M48x2 | M52x2 | 26 | 38 | 55 | ZN-140 32-25 ED |

S-sześciokąt; S-шестигранник; S- hexagon

* - tylko wersja na o-ring; only o-ring version; с резиновым кольцом



Wersje dławione.
 Версия с уменьшенным пролетом.
 Version with reduced flow.

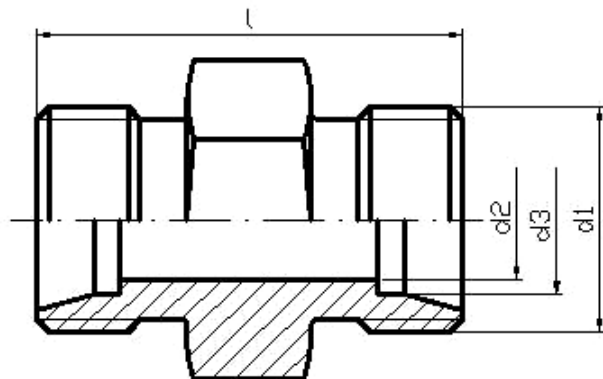
Istnieje możliwość zamówienia kompletu:

Wersja A – Korpus przyłączki prostej + pierścień zacinający + nakrętka

Wersja B – Korpus przyłączki prostej + końcówka kulista + nakrętka

KORPUS ZŁĄCZKI PROSTEJ STRAIGHT METRIC UNION / Штуцер

PN-65/M-73141



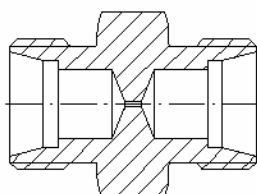
| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{nom} | d1 [mm] | d2 [mm] | d3 [mm] | l [mm] | S [mm] | Symbol / Order code |
|--------------------------------------------|----------------------------------------------|---------|---------|---------|--------|--------------|---------------------|
| do 16 | 3 | M10x1 | 3 | 5 | 22 | 17/14 | PN-141 16-3 |
| | 4 | M12x1.5 | 4 | 6 | 28 | | PN-141 16-4 |
| | 6 | M14x1.5 | 6 | 8 | | | PN-141 16-6 |
| | 8 | M16x1.5 | 8 | 10 | 32 | 19/17 | PN-141 16-8 |
| | 10 | M18x1.5 | 10 | 12 | 34 | 22/19 | PN-141 16-10 |
| | 13 | M22x1.5 | 12.8 | 15 | | 24/22 | PN-141 16-13 15L |
| | 13 | M22x1.5 | 12.8 | 16 | | 24/22 | PN-141 16-13 |
| | 16 | M27x2 | 14 | 18 | 40 | 30/27 | PN-141 16-16 |
| | 20 | M30x2 | 18 | 22 | | 32/30 | PN-141 16-20 |
| | 25 | M36x2 | 23 | 28 | 42 | 41/36 | PN-141 16-25 |
| 32 | M45x2 | 29 | 35 | 48 | 46 | PN-141 16-32 | |
| 40 | M52x2 | 36 | 42 | | 55 | PN-141 16-40 | |
| do 32 | 3 | M10x1 | 3 | 5 | 26 | 17 | PN-141 32-3 |
| | 4 | M14x1.5 | 4 | 6 | 30 | | PN-141 32-4 |
| | 5 | M16x1.5 | 4.8 | 8 | 32 | | PN-141 32-5 |
| | 6 | M18x1.5 | 6.8 | 10 | | 19 | PN-141 32-6 |
| | 8 | M22x1.5 | 9 | 14 | 38 | 24/22 | PN-141 32-8 |
| | 10 | M24x1.5 | 11 | 16 | | 27/24 | PN-141 32-10 |
| | 13 | M30x2 | 13 | 20 | 44 | 32/30 | PN-141 32-13 |
| | 16 | M36x2 | 17 | 25 | 50 | 41 | PN-141 32-16 |
| | 20 | M42x2 | 20 | 30 | 56 | | PN-141 32-20 |
| | 25 | M52x2 | 26 | 38 | 60 | | PN-141 32-25 |

S-sześciokąt; S-шестигранник; S- hexagon

Istnieje możliwość zamówienia kompletu wg **PN-65 M-73127** :

Wersja A – Korpus złączki prostej + 2 x pierścień zacinający + 2 x nakrętka

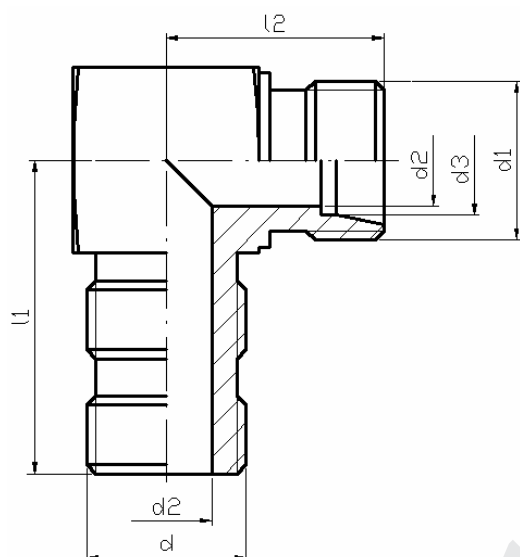
Wersja B – Korpus złączki prostej + 2x końcówka kulista + 2 x nakrętka



Wersje dławione.
Версия с уменьшенным пролетом.
Version with reduced flow.

KORPUS PRZYŁĄCZKI KOLANKOWEJ
ELBOW METRIC COUPLING / Штуцер угловой

PN-65/M-73142



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|---------------------------------------------|-----------|------------|------------|------------|------------|------------|------------|---------------------|
| do 16 | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 17 | 15 | PN-142 16-3 |
| | 4 | | M12x1.5 | 4 | 6 | 26 | 20 | 15 | PN-142 16-4 |
| | 6 | M12x1.5 | M14x1.5 | 6 | 8 | 32 | | 15 | PN-142 16-6 |
| | 8 | M14x1.5 | M16x1.5 | 8 | 10 | 33 | 22 | 17 | PN-142 16-8 |
| | 10 | M16x1.5 | M18x1.5 | 10 | 12 | 35 | 24 | 20 | PN-142 16-10 |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 15 | 43 | 27 | 24 | PN-142 16-13 15L |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 16 | 43 | 27 | 24 | PN-142 16-13 |
| | 16 | M22x1.5 | M27x2 | 14 | 18 | 48 | 31 | 30 | PN-142 16-16 |
| | 20 | M27x2 | M30x2 | 18 | 22 | 53 | 34 | 30 | PN-142 16-20 |
| | 25 | M33x2 | M36x2 | 23 | 28 | 63 | 37 | 36 | PN-142 16-25 |
| do 32 | 32 | M42x2 | M45x2 | 29 | 35 | 67 | 44 | 40 | PN-142 16-32 |
| | 40 | M48x2 | M52x2 | 36 | 42 | 77 | 50 | 50 | PN-142 16-40 |
| | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 19 | 15 | PN-142 32-3 |
| | 4 | M12x1.5 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | PN-142 32-4 |
| | 5 | M14x1.5 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | PN-142 32-5 |
| | 6 | M16x1.5 | M18x1.5 | 6.8 | 10 | 35 | 24 | 20 | PN-142 32-6 |
| | 8 | M20x1.5 | M22x1.5 | 9 | 14 | 43 | 29 | 24 | PN-142 32-8 |
| | 10 | M22x1.5 | M24x1.5 | 11 | 16 | 48 | 30 | 28 | PN-142 32-10 |
| | 13 | M27x2 | M30x2 | 13 | 20 | 53 | 36 | 32 | PN-142 32-13 |
| | 16 | M33x2 | M36x2 | 17 | 25 | 63 | 44 | 38 | PN-142 32-16 |
| | 20 | M42x2 | M42x2 | 20 | 30 | 67 | 48 | 40 | PN-142 32-20 |
| | 25 | M48x2 | M52x2 | 26 | 38 | 77 | 56 | 40 | PN-142 32-25 |

KL – klucz;

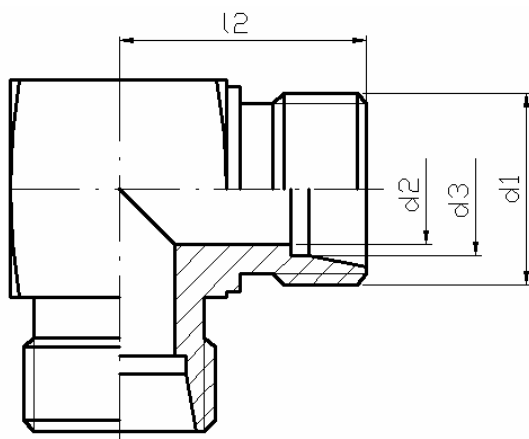
Istnieje możliwość zamówienia kompletu wg **PN-65 M-73128** :

Wersja A – Korpus przyłączy kolankowej + pierścień zacinający + nakrętka + przeciwnakrętka

Wersja B – Korpus przyłączy kolankowej + końcówka kulista + nakrętka + przeciwnakrętka

KORPUS ZŁĄCZKI KOLANKOWEJ
EQUAL ELBOW METRIC UNION / Штуцер угловой

PN-65/M-73143



| Ciśnienie nominalne P_{nom} [MPa] | Średnica nominalna przelotu D_{nom} | d1 [mm] | d2 [mm] | d3 [mm] | l [mm] | KL [mm] | Symbol / Order code |
|-------------------------------------|---------------------------------------|---------|---------|---------|--------|---------|---------------------|
| do 16 | 3 | M10x1 | 3 | 5 | 17 | 15 | PN-143 16-3 |
| | 4 | M12x1.5 | 4 | 6 | 20 | 15 | PN-143 16-4 |
| | 6 | M14x1.5 | 6 | 8 | | 15 | PN-143 16-6 |
| | 8 | M16x1.5 | 8 | 10 | 22 | 17 | PN-143 16-8 |
| | 10 | M18x1.5 | 10 | 12 | 24 | 20 | PN-143 16-10 |
| | 13 | M22x1.5 | 12.8 | 15 | 27 | 24 | PN-143 16-13 15L |
| | 13 | M22x1.5 | 12.8 | 16 | 27 | 24 | PN-143 16-13 |
| | 16 | M27x2 | 14 | 18 | 31 | 30 | PN-143 16-16 |
| | 20 | M30x2 | 18 | 22 | 34 | 32 | PN-143 16-20 |
| | 25 | M36x2 | 23 | 28 | 37 | 38 | PN-143 16-25 |
| | 32 | M45x2 | 29 | 35 | 44 | 40 | PN-143 16-32 |
| do 32 | 40 | M52x2 | 36 | 42 | 50 | 50 | PN-143 16-40 |
| | 3 | M10x1 | 3 | 5 | 19 | 15 | PN-143 32-3 |
| | 4 | M14x1.5 | 4 | 6 | 21 | 15 | PN-143 32-4 |
| | 5 | M16x1.5 | 4.8 | 8 | 22 | 17 | PN-143 32-5 |
| | 6 | M18x1.5 | 6.8 | 10 | 24 | 20 | PN-143 32-6 |
| | 8 | M22x1.5 | 9 | 14 | 29 | 24 | PN-143 32-8 |
| | 10 | M24x1.5 | 11 | 16 | 30 | 28 | PN-143 32-10 |
| | 13 | M30x2 | 13 | 20 | 36 | 32 | PN-143 32-13 |
| | 16 | M36x2 | 17 | 25 | 44 | 38 | PN-143 32-16 |
| | 20 | M42x2 | 20 | 30 | 48 | 40 | PN-143 32-20 |
| | 25 | M52x2 | 26 | 38 | 56 | 50 | PN-143 32-25 |

KL – klucz;

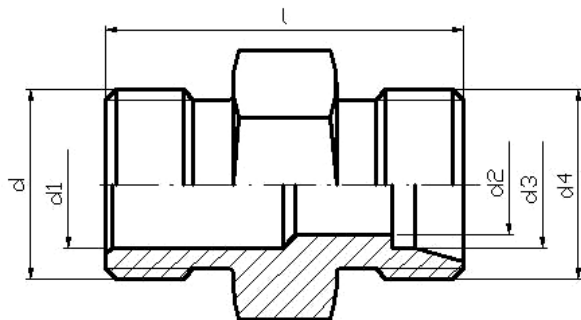
Istnieje możliwość zamówienia kompletu wg **PN-65 M-73129** :

Wersja A – Korpus złączki kolankowej + 2 x pierścień zacinający + 2 x nakrętka

Wersja B – Korpus złączki kolankowej + 2 x końcówka kulista + 2 x nakrętka

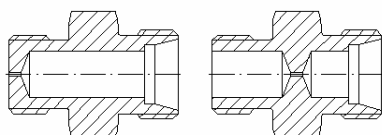
KORPUS PRZYŁĄCZKI PROSTEJ REDUKCYJNEJ STRAIGHT REDUCING COUPLING / Штуцер прямой редукционный

PN-65/M-73144



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{1nom} [mm] | Średnica nominalna przelotu D _{1nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | l [mm] | S [mm] |
|-----------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|---------|---------|---------|---------|---------|--------|--------|
| do 16 | 4 | 3 | M10x1 | 4 | 3 | 5 | M10x1 | 22 | 17 |
| | 6 | | M12x1.5 | 6 | | | | 26 | 17 |
| | 8 | 4 | M14x1.5 | 8 | 4 | 6 | M12x1.5 | 29 | 17 |
| | | | | | | | | 31 | 17 |
| | 10 | 6 | M16x1.5 | 10 | 6 | 8 | M14x1.5 | 33 | 19 |
| | 34 | | | | | | | 19 | |
| | 13 | 8 | M20x1.5 | 12.8 | 8 | 10 | M16x1.5 | 36 | 27 |
| | 27 | | | | | | | 27 | |
| | 16 | 10 | M22x1.5 | 14 | 10 | 12 | M18x1.5 | 38 | 27 |
| | 27 | | | | | | | 27 | |
| | 20 | 13 | M27x2 | 18 | 12.8 | 16 | M22x1.5 | 40 | 30 |
| | 42 | | | | | | | 30 | |
| | 25 | 16 | M33x2 | 23 | 14 | 18 | M27x2 | 46 | 41 |
| | 41 | | | | | | | 41 | |
| 32 | 20 | M42x2 | 29 | 18 | 22 | M30x2 | 50 | 50 | |
| 50 | | | | | | | 50 | | |
| 40 | 25 | M48x2 | 36 | 23 | 28 | M36x2 | 52 | 55 | |
| 55 | | | | | | | 55 | | |
| | 32 | | | | 29 | 35 | M45x2 | 54 | 55 |
| do 32 | 4 | 3 | M12x1.5 | 4 | 3 | 5 | M10x1 | 30 | 17 |
| | 5 | | M14x1.5 | 4.8 | | | | 30 | 17 |
| | 6 | 4 | M16x1.5 | 6.8 | 4 | 6 | M14x1.5 | 32 | 19 |
| | 19 | | 19 | | | | | | |
| | 8 | 5 | M20x1.5 | 9 | 4.8 | 8 | M16x1.5 | 36 | 27 |
| | 27 | | | | | | | 27 | |
| | 10 | 6 | M22x1.5 | 11 | 6.8 | 10 | M18x1.5 | 38 | 27 |
| | 27 | | | | | | | 27 | |
| | 13 | 8 | M27x2 | 13 | 9 | 14 | M22x1.5 | 42 | 30 |
| | 30 | | | | | | | 30 | |
| | 16 | 10 | M33x2 | 17 | 11 | 16 | M24x1.5 | 46 | 41 |
| | 41 | | | | | | | 41 | |
| | 20 | 13 | M42x2 | 20 | 13 | 20 | M30x2 | 52 | 50 |
| | 50 | | | | | | | 50 | |
| 25 | 16 | M48x2 | 26 | 17 | 25 | M36x2 | 54 | 50 | |
| | | | | | | | 56 | 55 | |
| | 20 | | | 20 | 30 | M42x2 | 58 | 55 | |

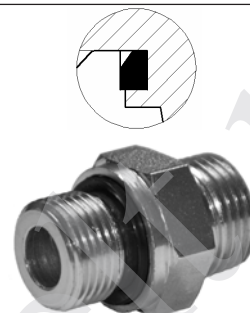
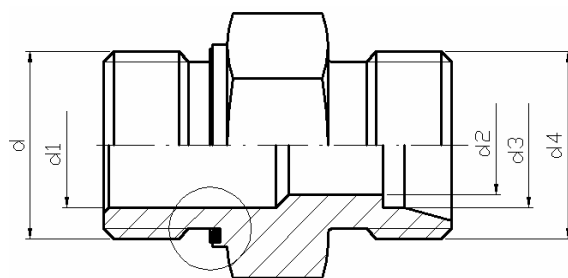
S-sześciokąt; S-шестигранный; S- hexagon



Wersje dławione.
Версия с уменьшенным пролетом.
Version with reduced flow.

KORPUS PRZYŁĄCZKI PROSTEJ REDUKCYJNEJ z uszczelnieniem ED
STRAIGHT REDUCING METRIC COUPLING with ED seal
Штуцер прямой редукционный с резиновой подкладкой ЕД

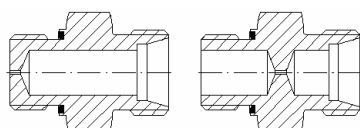
ZN-144 ED



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{1nom} [mm] | Średnica nominalna przełotu D _{1nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | d4 [mm] | S [mm] |
|-----------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|----------|---------|---------|---------|---------|--------|
| do 16 | 4 | 3 | M10x1 | 4 | 3 | 5 | M10x1 | 17 |
| | 6 | 4 | M12x1.5 | 6 | 4 | 6 | M12x1.5 | 17 |
| | 8 | 6 | M14x1.5 | 8 | 6 | 8 | M14x1.5 | 17 |
| | 10 | 8 | M16x1.5 | 10 | 8 | 10 | M16x1.5 | 19 |
| | 13 | 10 | M20x1.5* | 12.8 | 10 | 12 | M18x1.5 | 27 |
| | 16 | 13 | M22x1.5 | 14 | 12.8 | 16 | M22x1.5 | 27 |
| | 20 | 16 | M27x2 | 18 | 14 | 18 | M27x2 | 30 |
| | 25 | 20 | M33x2 | 23 | 18 | 22 | M30x2 | 41 |
| | 32 | 25 | M42x2 | 29 | 23 | 28 | M36x2 | 50 |
| | 40 | 32 | M48x2 | 36 | 29 | 35 | M45x2 | 55 |
| | | | | | | | | 55 |
| do 32 | 4 | 3 | M12x1.5 | 4 | 3 | 5 | M10x1 | 17 |
| | 5 | 4 | M14x1.5 | 4.8 | 4 | 6 | M14x1.5 | 17 |
| | 6 | 5 | M16x1.5 | 6.8 | 4.8 | 8 | M16x1.5 | 19 |
| | 8 | 6 | M20x1.5* | 9 | 6.8 | 10 | M18x1.5 | 27 |
| | 10 | 8 | M22x1.5 | 11 | 9 | 14 | M22x1.5 | 27 |
| | 13 | 10 | M27x2 | 13 | 11 | 16 | M24x1.5 | 30 |
| | 16 | 13 | M33x2 | 17 | 13 | 20 | M30x2 | 41 |
| | 20 | 16 | M42x2 | 20 | 17 | 25 | M36x2 | 50 |
| | 25 | 20 | M48x2 | 26 | 20 | 30 | M42x2 | 55 |
| | | | | | | | | 55 |
| | | | | | | | | 55 |

S-sześciokąt; S-шестигранник; S- hexagon

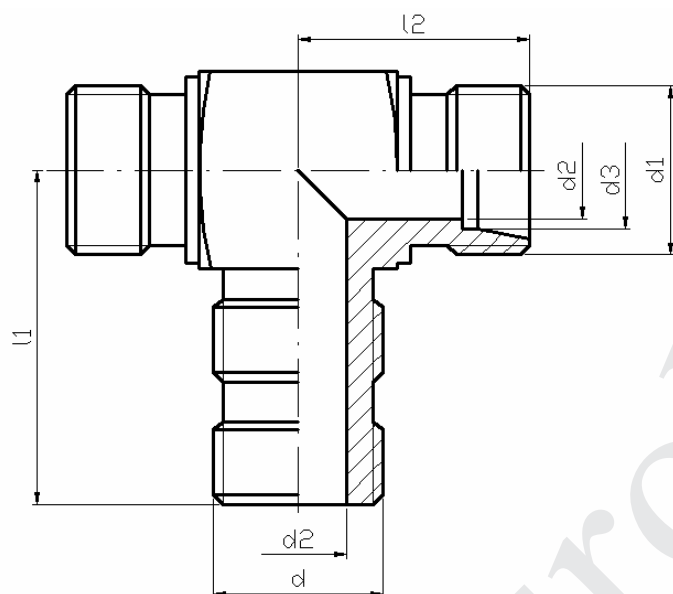
* - tylko wersja na o-ring; only o-ring version; с резиновым кольцом



Wersje dławione.
 Вersия с уменьшенным пролетом.
 Version with reduced flow.

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ SYMETRYCZNEJ BRANCH TEES COUPLING / Тройник

PN-65/M-73145



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L1 [mm] | L2 [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------------|
| do 16 | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 17 | 15 | PN-145 16-3 |
| | 4 | | M12x1.5 | 4 | 6 | 26 | 20 | 15 | PN-145 16-4 |
| | 6 | M12x1.5 | M14x1.5 | 6 | 8 | 32 | 22 | 17 | PN-145 16-6 |
| | 8 | M14x1.5 | M16x1.5 | 8 | 10 | 33 | 24 | 20 | PN-145 16-8 |
| | 10 | M16x1.5 | M18x1.5 | 10 | 12 | 35 | 27 | 24 | PN-145 16-10 |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 15 | 43 | 27 | 24 | PN-145 16-13 15L |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 16 | 43 | 27 | 24 | PN-145 16-13 |
| | 16 | M22x1.5 | M27x2 | 14 | 18 | 48 | 31 | 30 | PN-145 16-16 |
| | 20 | M27x2 | M30x2 | 18 | 22 | 53 | 34 | 32 | PN-145 16-20 |
| | 25 | M33x2 | M36x2 | 23 | 28 | 63 | 37 | 38 | PN-145 16-25 |
| do 32 | 32 | M42x2 | M45x2 | 29 | 35 | 67 | 44 | 40 | PN-145 16-32 |
| | 40 | M48x2 | M52x2 | 36 | 42 | 77 | 50 | 50 | PN-145 16-40 |
| | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 19 | 15 | PN-145 32-3 |
| | 4 | M12x1.5 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | PN-145 32-4 |
| | 5 | M14x1.5 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | PN-145 32-5 |
| | 6 | M16x1.5 | M18x1.5 | 6.8 | 10 | 35 | 24 | 20 | PN-145 32-6 |
| | 8 | M20x1.5 | M22x1.5 | 9 | 14 | 43 | 29 | 24 | PN-145 32-8 |
| | 10 | M22x1.5 | M24x1.5 | 11 | 16 | 48 | 30 | 28 | PN-145 32-10 |
| | 13 | M27x2 | M30x2 | 13 | 20 | 53 | 36 | 32 | PN-145 32-13 |
| | 16 | M33x2 | M36x2 | 17 | 25 | 63 | 44 | 38 | PN-145 32-16 |
| | 20 | M42x2 | M42x2 | 20 | 30 | 67 | 48 | 40 | PN-145 32-20 |
| | 25 | M48x2 | M52x2 | 26 | 38 | 77 | 56 | 50 | PN-145 32-25 |

KL – klucz;

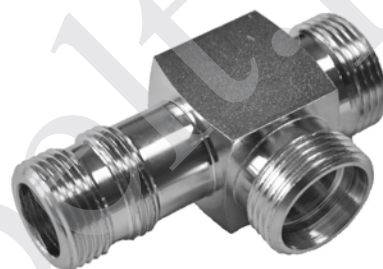
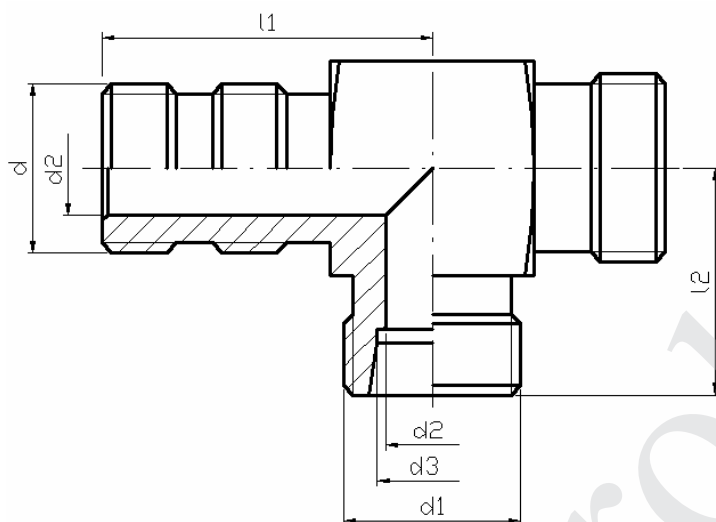
Istnieje możliwość zamówienia kompletu wg **PN-66 M-73131** :

Wersja A – Korpus przył. trój. symetrycznej + 2 x pierścień zacinający + 2 x nakrętka + przeciwnakrętka

Wersja B – Korpus przył. trój. symetrycznej + 2 x końcówka kulista + 2 x nakrętka + przeciwnakrętka

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ NIESYMETRYCZNEJ RUN TEES COUPLING / Тройник

PN-65/M-73146



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------------|
| do 16 | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 17 | 15 | PN-146 16-3 |
| | 4 | | M12x1.5 | 4 | 6 | 26 | 20 | 15 | PN-146 16-4 |
| | 6 | M12x1.5 | M14x1.5 | 6 | 8 | 32 | | 15 | PN-146 16-6 |
| | 8 | M14x1.5 | M16x1.5 | 8 | 10 | 33 | 22 | 17 | PN-146 16-8 |
| | 10 | M16x1.5 | M18x1.5 | 10 | 12 | 35 | 24 | 20 | PN-146 16-10 |
| | 13 | M20x1.5 | M22x1.5 | 12.8 | 16 | 43 | 27 | 24 | PN-146 16-13 |
| | 16 | M22x1.5 | M27x2 | 14 | 18 | 48 | 31 | 30 | PN-146 16-16 |
| | 20 | M27x2 | M30x2 | 18 | 22 | 53 | 34 | 32 | PN-146 16-20 |
| | 25 | M33x2 | M36x2 | 23 | 28 | 63 | 37 | 38 | PN-146 16-25 |
| | 32 | M42x2 | M45x2 | 29 | 35 | 67 | 44 | 40 | PN-146 16-32 |
| do 32 | 40 | M48x2 | M52x2 | 36 | 42 | 77 | 50 | 50 | PN-146 16-40 |
| | 3 | M10x1 | M10x1 | 3 | 5 | 24 | 19 | 15 | PN-146 32-3 |
| | 4 | M12x1.5 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | PN-146 32-4 |
| | 5 | M14x1.5 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | PN-146 32-5 |
| | 6 | M16x1.5 | M18x1.5 | 6.8 | 10 | 35 | 24 | 20 | PN-146 32-6 |
| | 8 | M20x1.5 | M22x1.5 | 9 | 14 | 43 | 29 | 24 | PN-146 32-8 |
| | 10 | M22x1.5 | M24x1.5 | 11 | 16 | 48 | 30 | 28 | PN-146 32-10 |
| | 13 | M27x2 | M30x2 | 13 | 20 | 53 | 36 | 32 | PN-146 32-13 |
| | 16 | M33x2 | M36x2 | 17 | 25 | 63 | 44 | 38 | PN-146 32-16 |
| | 20 | M42x2 | M42x2 | 20 | 30 | 67 | 48 | 40 | PN-146 32-20 |
| | 25 | M48x2 | M52x2 | 26 | 38 | 77 | 56 | 50 | PN-146 32-25 |

KL – klucz;

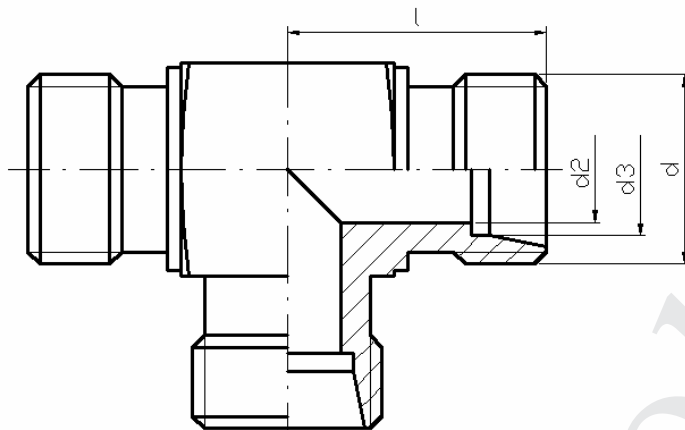
Istnieje możliwość zamówienia kompletu wg **PN-66 M-73132** :

Wersja A – Korpus przył. trój. symetrycznej + 2 x pierścień zacinający + 2 x nakrętka + przeciwnakrętka

Wersja B – Korpus przył. trój. symetrycznej + 2 x końcówka kulista + 2 x nakrętka + przeciwnakrętka

**KORPUS ZŁĄCZKI TRÓJNIKOWEJ
EQUAL TEES UNION / Тройник**

PN-65/M-73147



| Ciśnienie nominalne P_{nom} [mm] | Średnica nominalna przełotu D_{nom} [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l [mm] | KL [mm] | Symbol / Order code |
|------------------------------------|--------------------------------------------|---------|---------|---------|--------|---------|---------------------|
| do 16 | 3 | M10x1 | 3 | 5 | 17 | 15 | PN-147 16-3 |
| | 4 | M12x1.5 | 4 | 6 | 20 | 15 | PN-147 16-4 |
| | 6 | M14x1.5 | 6 | 8 | | 15 | PN-147 16-6 |
| | 8 | M16x1.5 | 8 | 10 | 22 | 17 | PN-147 16-8 |
| | 10 | M18x1.5 | 10 | 12 | 24 | 20 | PN-147 16-10 |
| | 13 | M22x1.5 | 12.8 | 15 | 27 | 24 | PN-147 16-13 15L |
| | 13 | M22x1.5 | 12.8 | 16 | 27 | 24 | PN-147 16-13 |
| | 16 | M27x2 | 14 | 18 | 31 | 30 | PN-147 16-16 |
| | 20 | M30x2 | 18 | 22 | 34 | 32 | PN-147 16-20 |
| | 25 | M36x2 | 23 | 28 | 37 | 38 | PN-147 16-25 |
| do 32 | 32 | M45x2 | 29 | 35 | 44 | 40 | PN-147 16-32 |
| | 40 | M52x2 | 36 | 42 | 50 | 50 | PN-147 16-40 |
| | 3 | M10x1 | 3 | 5 | 19 | 15 | PN-147 32-3 |
| | 4 | M14x1.5 | 4 | 6 | 21 | 15 | PN-147 32-4 |
| | 5 | M16x1.5 | 4.8 | 8 | 22 | 17 | PN-147 32-5 |
| | 6 | M18x1.5 | 6.8 | 10 | 24 | 20 | PN-147 32-6 |
| | 8 | M22x1.5 | 9 | 14 | 29 | 24 | PN-147 32-8 |
| | 10 | M24x1.5 | 11 | 16 | 30 | 28 | PN-147 32-10 |
| | 13 | M30x2 | 13 | 20 | 36 | 32 | PN-147 32-13 |
| | 16 | M36x2 | 17 | 25 | 44 | 38 | PN-147 32-16 |
| | 20 | M42x2 | 20 | 30 | 48 | 40 | PN-147 32-20 |
| | 25 | M52x2 | 26 | 38 | 56 | 50 | PN-147 32-25 |

KL – klucz;

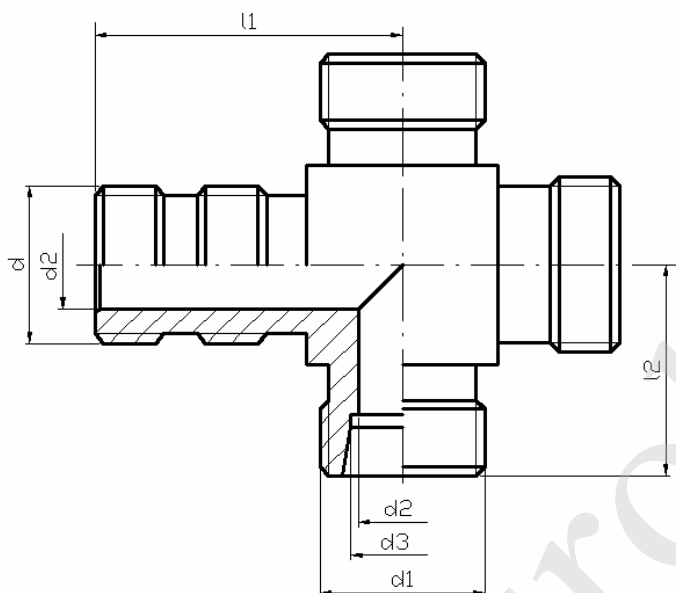
Istnieje możliwość zamówienia kompletu wg **PN-66 M-73133** :

Wersja A – Korpus złączki trójnikowej + 3 x pierścień zacinający + 3 x nakrętka

Wersja B – Korpus złączki trójnikowej + 3 x końcówka kulista + 3 x nakrętka

KORPUS PRZYŁĄCZKI CZWÓRNIKOWEJ CROSSES COUPLING / Крестовина

PN-66/M-73148



| Ciśnienie nominalne P_{nom} [MPa] | Średnica nom. przel. D_{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | KL [mm] | Symbol / Order code |
|----------------------------------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------------|
| do 16 | 4 | M10x1 | M12x1,5 | 4 | 6 | 26 | 20 | 15 | PN-148 16-4 |
| | 6 | M12x1,5 | M14x1,5 | 6 | 8 | 32 | 20 | 15 | PN-148 16-6 |
| | 8 | M14x1,5 | M16x1,5 | 8 | 10 | 33 | 22 | 17 | PN-148 16-8 |
| | 10 | M16x1,5 | M18x1,5 | 10 | 12 | 35 | 24 | 20 | PN-148 16-10 |
| | 13 | M20x1,5 | M22x1,5 | 12,8 | 16 | 43 | 27 | 24 | PN-148 16-13 |
| | 16 | M22x1,5 | M27x2 | 14 | 18 | 48 | 31 | 30 | PN-148 16-16 |
| | 20 | M27x2 | M30x2 | 18 | 22 | 53 | 34 | 32 | PN-148 16-20 |
| | 25 | M33x2 | M36x2 | 23 | 28 | 63 | 37 | 38 | PN-148 16-25 |
| do 32 | 32 | M42x2 | M45x2 | 29 | 35 | 67 | 44 | 40 | PN-148 16-32 |
| | 4 | M12x1,5 | M14x1,5 | 4 | 6 | 32 | 21 | 15 | PN-148 32-4 |
| | 5 | M14x1,5 | M16x1,5 | 4,8 | 8 | 33 | 22 | 17 | PN-148 32-5 |
| | 6 | M16x1,5 | M18x1,5 | 6,8 | 10 | 35 | 24 | 20 | PN-148 32-6 |
| | 8 | M20x1,5 | M22x1,5 | 9 | 14 | 43 | 29 | 24 | PN-148 32-8 |
| | 10 | M22x1,5 | M24x1,5 | 11 | 16 | 48 | 30 | 28 | PN-148 32-10 |
| | 13 | M27x2 | M30x2 | 13 | 20 | 53 | 36 | 32 | PN-148 32-13 |
| | 16 | M33x2 | M36x2 | 27 | 25 | 63 | 44 | 38 | PN-148 32-16 |
| | 20 | M42x2 | M42x2 | 20 | 30 | 67 | 48 | 40 | PN-148 32-20 |
| | 25 | M48x2 | M52x2 | 26 | 38 | 77 | 56 | 50 | PN-148 32-25 |

KL – klucz;

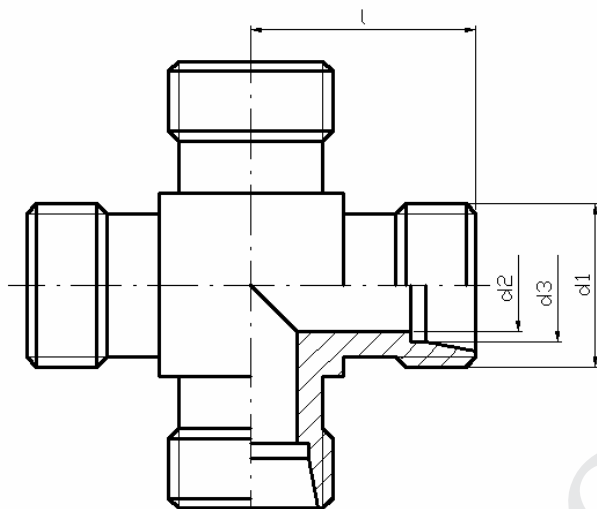
Istnieje możliwość zamówienia kompletu wg **PN-66 M-73134** :

Wersja A – Korpus złączki czwórnikowej + przeciwnakrętka + 3 x pierścień zacinający + 3 x nakrętka

Wersja B – Korpus złączki czwórnikowej + przeciwnakrętka + 3 x końcówka kulista + 3 x nakrętka

KORPUS ZŁĄCZKI CZWÓRNIKOWEJ
EQUAL CROSSES UNION / Штуцер крестовой

PN-66/M-73149



| Ciśnienie nominalne P_{nom} [MPa] | Średnica nom. przel. D_{nom} [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L [mm] | KL [mm] | Symbol / Order code |
|-------------------------------------|-------------------------------------|---------|---------|---------|--------|---------|---------------------|
| do 16 | 4 | M12x1,5 | 4 | 6 | 20 | 15 | PN-149 16-4 |
| | 6 | M14x1,5 | 6 | 8 | 20 | 15 | PN-149 16-6 |
| | 8 | M16x1,5 | 8 | 10 | 22 | 17 | PN-149 16-8 |
| | 10 | M18x1,5 | 10 | 12 | 24 | 20 | PN-149 16-10 |
| | 13 | M22x1,5 | 12,8 | 15 | 27 | 24 | PN-149 16-13 15L |
| | 13 | M22x1,5 | 12,8 | 16 | 27 | 24 | PN-149 16-13 |
| | 16 | M27x2 | 14 | 18 | 31 | 30 | PN-149 16-16 |
| | 20 | M30x2 | 18 | 22 | 34 | 32 | PN-149 16-20 |
| | 25 | M36x2 | 23 | 28 | 37 | 38 | PN-149 16-25 |
| do 32 | 32 | M45x2 | 29 | 35 | 44 | 40 | PN-149 16-32 |
| | 4 | M14x1,5 | 4 | 6 | 21 | 15 | PN-149 32-4 |
| | 5 | M16x1,5 | 4,8 | 8 | 22 | 17 | PN-149 32-5 |
| | 6 | M18x1,5 | 6,8 | 10 | 24 | 20 | PN-149 32-6 |
| | 8 | M22x1,5 | 9 | 14 | 29 | 24 | PN-149 32-8 |
| | 10 | M24x1,5 | 11 | 16 | 30 | 28 | PN-149 32-10 |
| | 13 | M30x2 | 13 | 20 | 36 | 32 | PN-149 32-13 |
| | 16 | M36x2 | 27 | 25 | 44 | 38 | PN-149 32-16 |
| | 20 | M42x2 | 20 | 30 | 48 | 40 | PN-149 32-20 |
| | 25 | M52x2 | 26 | 38 | 56 | 50 | PN-149 32-25 |

KL – klucz;

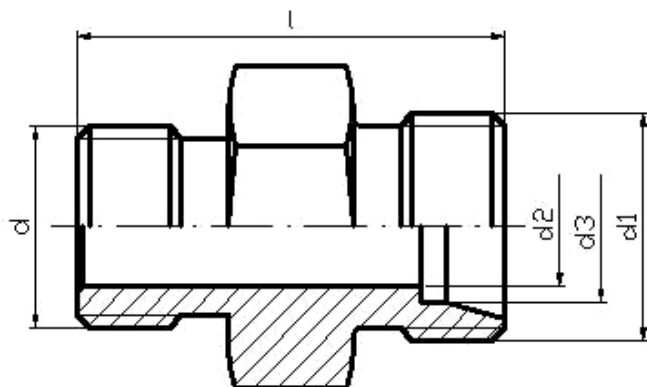
Istnieje możliwość zamówienia kompletu wg **PN-66 M-73135** :

Wersja A – Korpus złączki czwórnikowej + 4 x pierścień zacinający + 4 x nakrętka

Wersja B – Korpus złączki czwórnikowej + 4 x końcówka kulista + 4 x nakrętka

KORPUS PRZYŁĄCZKI PROSTEJ
STRAIGHT COUPLING BSP-METRIC / Штуцер прямой

ZN-140 BSP/M



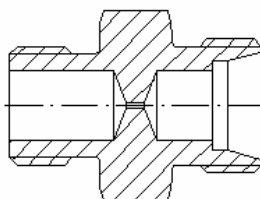
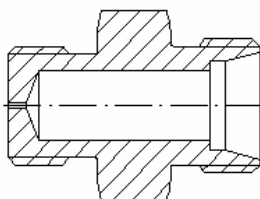
| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | S [mm] | l [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|----------|---------|---------|---------|--------|--------|----------------------|
| do 16 | 6 | G 1/4" | M14x1.5 | 6 | 8 | 19 | 29 | ZN-140 1/4/16-6 |
| | 8 | G 1/4" | M16x1.5 | 8 | 10 | 19 | 32 | ZN-140 1/4/16-8 |
| | 10 | G 3/8" | M18x1.5 | 10 | 12 | 22 | 34 | ZN-140 3/8/16-10 |
| | 13 | G 1/2" | M22x1.5 | 12.8 | 15 | 27 | 36 | ZN-140 1/2/16-13 15L |
| | 13 | G 1/2" | M22x1.5 | 12.8 | 16 | 27 | 36 | ZN-140 1/2/16-13 |
| | 16 | G 1/2" | M27x2 | 14 | 18 | 30 | 40 | ZN-140 1/2/16-16 |
| | 20 | G 3/4" | M30x2 | 18 | 22 | 32 | 42 | ZN-140 3/4/16-20 |
| | 25 | G 1" | M36x2 | 23 | 28 | 41 | 46 | ZN-140 1/16-25 |
| | 32 | G 1 1/4" | M45x2 | 29 | 35 | 50 | 52 | ZN-140 1 1/4/16-32 |
| do 32 | 40 | G 1 1/2" | M52x2 | 36 | 42 | 55 | 54 | ZN-140 1 1/2/16-40 |
| | 6 | G 1/4" | M18x1.5 | 6.8 | 10 | 22 | 36 | ZN-140 1/4/32-6 |
| | 8 | G 3/8" | M22x1.5 | 9 | 14 | 27 | 38 | ZN-140 3/8/32-8 |
| | 10 | G 3/8" | M24x1.5 | 11 | 16 | 30 | | ZN-140 3/8/32-10 |
| | 13 | G 1/2" | M30x2 | 13 | 20 | 32 | 44 | ZN-140 1/2/32-13 |
| | 16 | G 3/4" | M36x2 | 17 | 25 | 41 | 50 | ZN-140 3/4/32-20 |
| | 20 | G 1" | M42x2 | 20 | 30 | 50 | 56 | ZN-140 1/32-20 |
| | 25 | G 1 1/2" | M52x2 | 26 | 38 | 55 | 60 | ZN-140 1 1/2/32-25 |

S-sześciokąt; S-шестигранник; S- hexagon

Na zamówienie wykonujemy także w innych różnych redukcyjnych wersjach.

For request we execute in different reducing versions.

На заказ мы изготавливаем тоже в разных redukcyjnych версиях.



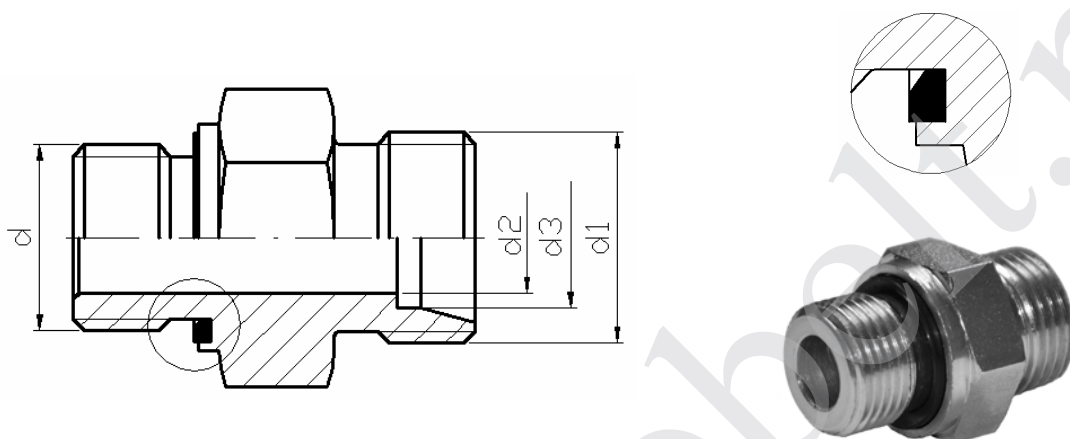
Wersje dławione.

Версия с уменьшенным пролетом.

Version with reduced flow.

KORPUS PRZYŁĄCZKI PROSTEJ z uszczelnieniem ED
STRAIGHT BSP-METRIC COUPLING with ED seal
Штуцер прямой с резиновой подкладкой ЕД

ZN-140 BSP-M ED



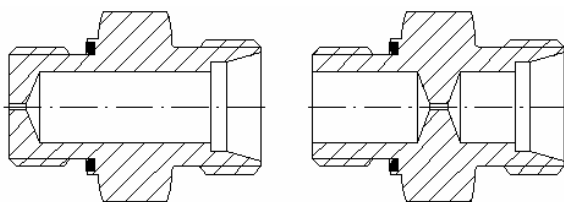
| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | S [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|----------|---------|---------|---------|--------|-------------------------|
| do 16 | 6 | G 1/4" | M14x1.5 | 6 | 8 | 19 | ZN-140 1/4/16-6 ED |
| | 8 | G 1/4" | M16x1.5 | 8 | 10 | 19 | ZN-140 1/4/16-8 ED |
| | 10 | G 3/8" | M18x1.5 | 10 | 12 | 22 | ZN-140 3/8/16-10 ED |
| | 13 | G 1/2" | M22x1.5 | 12.8 | 15 | 27 | ZN-140 1/2/16-13 15L ED |
| | 13 | G 1/2" | M22x1.5 | 12.8 | 16 | 27 | ZN-140 1/2/16-13 ED |
| | 16 | G 1/2" | M27x2 | 14 | 18 | 30 | ZN-140 1/2/16-16 ED |
| | 20 | G 3/4" | M30x2 | 18 | 22 | 32 | ZN-140 3/4/16-20 ED |
| | 25 | G 1" | M36x2 | 23 | 28 | 41 | ZN-140 1/16-25 ED |
| | 32 | G 1 1/4" | M45x2 | 29 | 35 | 50 | ZN-140 1 1/4/16-32 ED |
| do 32 | 40 | G 1 1/2" | M52x2 | 36 | 42 | 55 | ZN-140 1 1/2/16-40 ED |
| | 6 | G 1/4" | M18x1.5 | 6.8 | 10 | 22 | ZN-140 1/4/32-6 ED |
| | 8 | G 3/8" | M22x1.5 | 9 | 14 | 27 | ZN-140 3/8/32-8 ED |
| | 10 | G 3/8" | M24x1.5 | 11 | 16 | 30 | ZN-140 3/8/32-10 ED |
| | 13 | G 1/2" | M30x2 | 13 | 20 | 32 | ZN-140 1/2/32-13 ED |
| | 16 | G 3/4" | M36x2 | 17 | 25 | 41 | ZN-140 3/4/32-20 ED |
| | 20 | G 1" | M42x2 | 20 | 30 | 50 | ZN-140 1/32-20 ED |
| | 25 | G 1 1/2" | M52x2 | 26 | 38 | 55 | ZN-140 1 1/2/32-25 ED |

S-sześciokąt; S-шестигранный; S- hexagon

Na zamówienie wykonujemy także w innych różnych redukcyjnych wersjach.

For request we execute in different reducing versions.

На заказ мы изготавливаем тоже в разных redukcyjных версиях.



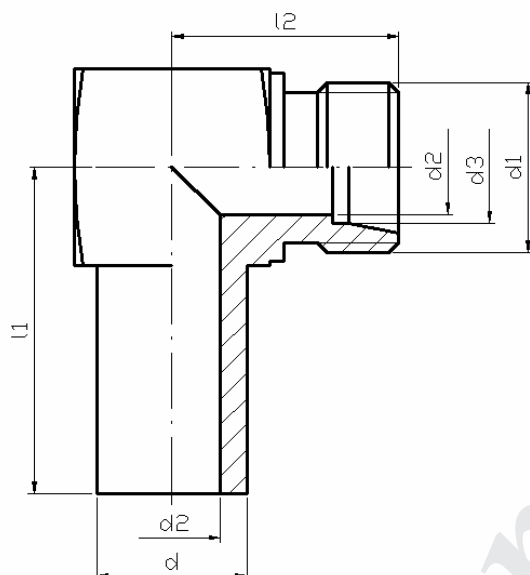
Wersje dławione.

Версия с уменьшенным пролетом.

Version with reduced flow.

KORPUS PRZYŁĄCZKI KOLANOWEJ NASTAWNEJ
ADJUSTABLE ELBOW COUPLING METRIC / Штуцер угловой

ZN-142

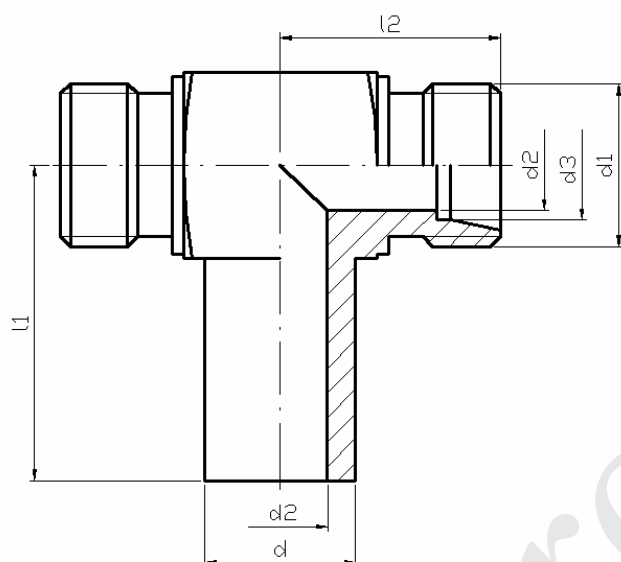


| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------------------|
| do 16 | 3 | 5 | M10x1 | 3 | 5 | 25 | 17 | 15 | ZN-142 16-3 |
| | 4 | 6 | M12x1.5 | 4 | 6 | 30 | 20 | 15 | ZN-142 16-4 |
| | 6 | 8 | M14x1.5 | 6 | 8 | 30 | 20 | 15 | ZN-142 16-6 |
| | 8 | 10 | M16x1.5 | 8 | 10 | 32 | 22 | 17 | ZN-142 16-8 |
| | 10 | 12 | M18x1.5 | 10 | 12 | 34 | 24 | 20 | ZN-142 16-10 |
| | 13 | 16 | M22x1.5 | 12.8 | 16 | 37 | 27 | 24 | ZN-142 16-13 |
| | 16 | 18 | M27x2 | 14 | 18 | 43 | 31 | 30 | ZN-142 16-16 |
| | 20 | 22 | M30x2 | 18 | 22 | 45 | 34 | 32 | ZN-142 16-20 |
| | 25 | 28 | M36x2 | 23 | 28 | 49 | 37 | 38 | ZN-142 16-25 |
| do 32 | 32 | 35 | M45x2 | 29 | 35 | 58 | 44 | 40 | ZN-142 16-32 |
| | 40 | 42 | M52x2 | 36 | 42 | 63 | 50 | 50 | ZN-142 16-40 |
| | 3 | 5 | M10x1 | 3 | 5 | 28 | 19 | 15 | ZN-142 32-3 |
| | 4 | 6 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | ZN-142 32-4 |
| | 5 | 8 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | ZN-142 32-5 |
| | 6 | 10 | M18x1.5 | 6.8 | 10 | 36 | 24 | 20 | ZN-142 32-6 |
| | 8 | 14 | M22x1.5 | 9 | 14 | 41 | 29 | 24 | ZN-142 32-8 |
| | 10 | 16 | M24x1.5 | 11 | 16 | 43 | 30 | 28 | ZN-142 32-10 |
| | 13 | 20 | M30x2 | 13 | 20 | 50 | 36 | 32 | ZN-142 32-13 |
| | 16 | 25 | M36x2 | 17 | 25 | 58 | 44 | 38 | ZN-142 32-16 |
| | 20 | 30 | M42x2 | 20 | 30 | 64 | 48 | 40 | ZN-142 32-20 |
| | 25 | 38 | M52x2 | 26 | 38 | 73 | 56 | 50 | ZN-142 32-25 |

KL – klucz;

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ SYMETRYCZNEJ NASTAWNEJ
ADJUSTABLE BRANCH TEES COUPLING METRIC/ Тройник симметричный

ZN-145



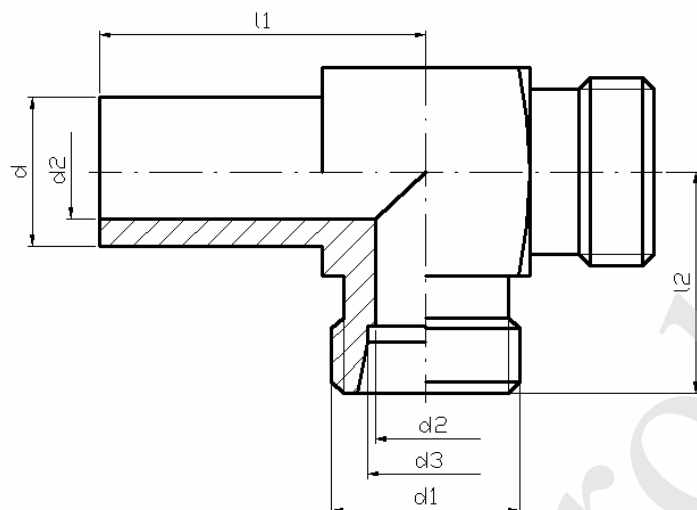
| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | L1 [mm] | L2 [mm] | KL [mm] | Symbol / Order code |
|--------------------------------------------|---------------------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------------------|
| do 16 | 3 | 5 | M10x1 | 3 | 5 | 25 | 17 | 15 | ZN-145 16-3 |
| | 4 | 6 | M12x1.5 | 4 | 6 | 30 | 20 | 15 | ZN-145 16-4 |
| | 6 | 8 | M14x1.5 | 6 | 8 | 30 | 20 | 15 | ZN-145 16-6 |
| | 8 | 10 | M16x1.5 | 8 | 10 | 32 | 22 | 17 | ZN-145 16-8 |
| | 10 | 12 | M18x1.5 | 10 | 12 | 34 | 24 | 20 | ZN-145 16-10 |
| | 13 | 16 | M22x1.5 | 12.8 | 16 | 37 | 27 | 24 | ZN-145 16-13 |
| | 16 | 18 | M27x2 | 14 | 18 | 43 | 31 | 30 | ZN-145 16-16 |
| | 20 | 22 | M30x2 | 18 | 22 | 45 | 34 | 32 | ZN-145 16-20 |
| | 25 | 28 | M36x2 | 23 | 28 | 49 | 37 | 38 | ZN-145 16-25 |
| | 32 | 35 | M45x2 | 29 | 35 | 58 | 44 | 40 | ZN-145 16-32 |
| do 32 | 40 | 42 | M52x2 | 36 | 42 | 63 | 50 | 50 | ZN-145 16-40 |
| | 3 | 5 | M10x1 | 3 | 5 | 28 | 19 | 15 | ZN-145 32-3 |
| | 4 | 6 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | ZN-145 32-4 |
| | 5 | 8 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | ZN-145 32-5 |
| | 6 | 10 | M18x1.5 | 6.8 | 10 | 36 | 24 | 20 | ZN-145 32-6 |
| | 8 | 14 | M22x1.5 | 9 | 14 | 41 | 29 | 24 | ZN-145 32-8 |
| | 10 | 16 | M24x1.5 | 11 | 16 | 43 | 30 | 28 | ZN-145 32-10 |
| | 13 | 20 | M30x2 | 13 | 20 | 50 | 36 | 32 | ZN-145 32-13 |
| | 16 | 25 | M36x2 | 17 | 25 | 58 | 44 | 38 | ZN-145 32-16 |
| | 20 | 30 | M42x2 | 20 | 30 | 64 | 48 | 40 | ZN-145 32-20 |
| | 25 | 38 | M52x2 | 26 | 38 | 73 | 56 | 50 | ZN-145 32-25 |

KL – klucz;

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ NIESYMETRYCZNEJ NASTAWNEJ
ADJUSTABLE NON-SYMMETRICAL BRANCH TEES COUPLING

Тройник несимметричный

ZN-146

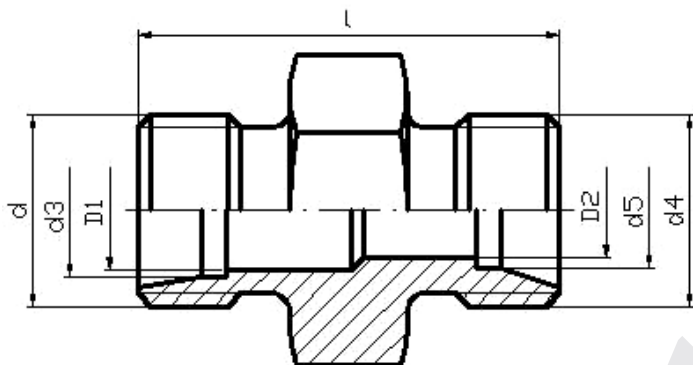


| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{nom} [mm] | d [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|---------------------------------------------------------|-----------|------------|------------|------------|------------|------------|------------|------------------------|
| do 16 | 3 | 5 | M10x1 | 3 | 5 | 25 | 17 | 15 | ZN-146 16-3 |
| | 4 | 6 | M12x1.5 | 4 | 6 | 30 | 20 | 15 | ZN-146 16-4 |
| | 6 | 8 | M14x1.5 | 6 | 8 | 30 | | 15 | ZN-146 16-6 |
| | 8 | 10 | M16x1.5 | 8 | 10 | 32 | 22 | 17 | ZN-146 16-8 |
| | 10 | 12 | M18x1.5 | 10 | 12 | 34 | 24 | 20 | ZN-146 16-10 |
| | 13 | 16 | M22x1.5 | 12.8 | 16 | 37 | 27 | 24 | ZN-146 16-13 |
| | 16 | 18 | M27x2 | 14 | 18 | 43 | 31 | 30 | ZN-146 16-16 |
| | 20 | 22 | M30x2 | 18 | 22 | 45 | 34 | 32 | ZN-146 16-20 |
| | 25 | 28 | M36x2 | 23 | 28 | 49 | 37 | 38 | ZN-146 16-25 |
| | 32 | 35 | M45x2 | 29 | 35 | 58 | 44 | 40 | ZN-146 16-32 |
| do 32 | 40 | 42 | M52x2 | 36 | 42 | 63 | 50 | 50 | ZN-146 16-40 |
| | 3 | 5 | M10x1 | 3 | 5 | 28 | 19 | 15 | ZN-146 32-3 |
| | 4 | 6 | M14x1.5 | 4 | 6 | 32 | 21 | 15 | ZN-146 32-4 |
| | 5 | 8 | M16x1.5 | 4.8 | 8 | 33 | 22 | 17 | ZN-146 32-5 |
| | 6 | 10 | M18x1.5 | 6.8 | 10 | 36 | 24 | 20 | ZN-146 32-6 |
| | 8 | 14 | M22x1.5 | 9 | 14 | 41 | 29 | 24 | ZN-146 32-8 |
| | 10 | 16 | M24x1.5 | 11 | 16 | 43 | 30 | 28 | ZN-146 32-10 |
| | 13 | 20 | M30x2 | 13 | 20 | 50 | 36 | 32 | ZN-146 32-13 |
| | 16 | 25 | M36x2 | 17 | 25 | 58 | 44 | 38 | ZN-146 32-16 |
| | 20 | 30 | M42x2 | 20 | 30 | 64 | 48 | 40 | ZN-146 32-20 |
| | 25 | 38 | M52x2 | 26 | 38 | 73 | 56 | 50 | ZN-146 32-25 |

KL – klucz;

KORPUS ZŁĄCZKI PROSTEJ REDUKCYJNEJ
STRAIGHT REDUCING UNION / Штуцер редукционный

ZN-141

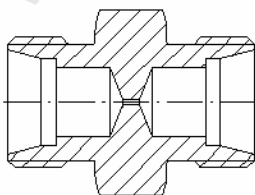


| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{1nom} [mm] | Średnica nominalna przełotu D _{1nom} [mm] | d [mm] | d3 [mm] | d4 [mm] | d5 [mm] | l [mm] | S [mm] | Symbol / Order code |
|-----------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------|------------|------------|------------|-----------|-----------|------------------------|
| do 16 | 6 | 4 | M14x1.5 | 8 | M12x1.5 | 6 | 28 | 17 | ZN-141 16-6/4 |
| | 8 | 6 | M16x1.5 | 10 | M14x1.5 | 8 | 32 | 19 | ZN-141 16-8/6 |
| | 10 | 8 | M18x1.5 | 12 | M16x1.5 | 10 | 34 | 22 | ZN-141 16-10/8 |
| | 13 | 10 | M22x1.5 | 16 | M18x1.5 | 12 | 34 | 24 | ZN-141 16-13/10 |
| | 16 | 13 | M27x2 | 18 | M22x1.5 | 16 | 40 | 30 | ZN-141 16-16/13 |
| | 20 | 16 | M30x2 | 22 | M27x2 | 18 | 40 | 32 | ZN-141 16-20/16 |
| | 25 | 20 | M36x2 | 28 | M30x2 | 22 | 42 | 41 | ZN-141 16-25/20 |
| | 32 | 25 | M45x2 | 35 | M36x2 | 28 | 48 | 46 | ZN-141 16-32/25 |
| do 32 | 40 | 32 | M52x2 | 42 | M45x2 | 35 | 48 | 55 | ZN-141 16-40/32 |
| | 5 | 4 | M16x1.5 | 8 | M14x1.5 | 6 | 32 | 17 | ZN-141 32-5/4 |
| | 6 | 5 | M18x1.5 | 10 | M16x1.5 | 8 | 32 | 19 | ZN-141 32-6/5 |
| | 8 | 6 | M22x1.5 | 14 | M18x1.5 | 10 | 38 | 24 | ZN-141 32-8/6 |
| | 10 | 8 | M24x1.5 | 16 | M22x1.5 | 14 | 38 | 27 | ZN-141 32-10/8 |
| | 13 | 10 | M30x2 | 20 | M24x1.5 | 16 | 44 | 32 | ZN-141 32-13/10 |
| | 16 | 13 | M36x2 | 25 | M30x2 | 20 | 50 | 41 | ZN-141 32-16/13 |
| | 20 | 16 | M42x2 | 30 | M36x2 | 25 | 56 | 46 | ZN-141 32-20/16 |
| | 25 | 20 | M52x2 | 38 | M42x2 | 30 | 60 | 55 | ZN-141 32-25/20 |

S-sześciokąt; S-шестигранник; S- hexagon

Na zamówienie wykonujemy także w innych różnych wersjach redukcyjnych.
For request we execute in different reducing versions.

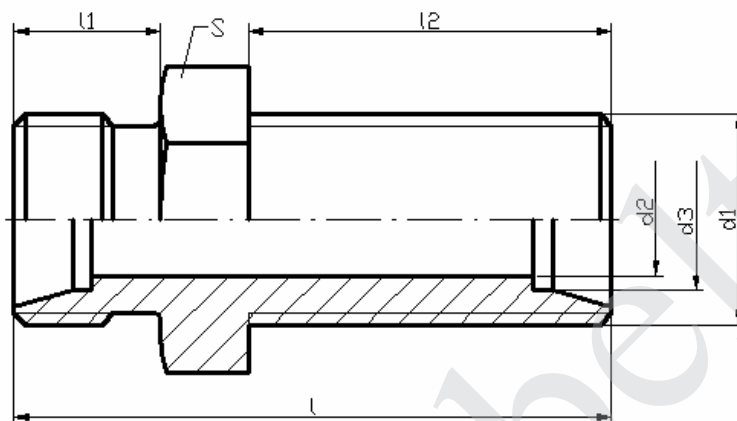
На заказ мы изготавливаем тоже в разных редукционных версиях.



Wersje dławione.
 Версия с уменьшенным пролетом.
 Version with reduced flow.

KORPUS ZŁĄCZKI GRODZIOWEJ DO PRZYKRĘCANIA
BULKHEAD TRANSITIONS UNION / Штуцер под контрогайку

ZN-141-1



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przełotu D _{nom} [mm] | d1 [mm] | d2 [mm] | d3 [mm] | l1 [mm] | l2 [mm] | l [mm] | S [mm] | Symbol / Order code |
|-----------------------------------------------|------------------------------------------------------|---------|---------|---------|---------|---------|--------|--------|---------------------|
| do 16 | 4 | M12x1,5 | 4 | 6 | 11 | 34 | 50 | 17 | ZN-141-1 16-4 |
| | 6 | M14x1,5 | 6 | 8 | 11 | 34 | 50 | 19 | ZN-141-1 16-6 |
| | 8 | M16x1,5 | 8 | 10 | 12 | 35 | 52 | 22 | ZN-141-1 16-8 |
| | 10 | M18x1,5 | 10 | 12 | 12 | 36 | 54 | 24 | ZN-141-1 16-10 |
| | 13 | M22x1,5 | 12,8 | 16 | 12 | 38 | 58 | 27 | ZN-141-1 16-13 |
| | 16 | M27x2 | 14 | 18 | 14 | 40 | 62 | 32 | ZN-141-1 16-16 |
| | 20 | M30x2 | 18 | 22 | 14 | 42 | 66 | 36 | ZN-141-1 16-20 |
| | 25 | M36x2 | 23 | 28 | 14 | 43 | 68 | 41 | ZN-141-1 16-25 |
| do 32 | 32 | M45x2 | 29 | 35 | 16 | 47 | 75 | 50 | ZN-141-1 16-32 |
| | 4 | M14x1,5 | 4 | 6 | 12 | 36 | 56 | 19 | ZN-141-1 32-4 |
| | 5 | M16x1,5 | 4,8 | 8 | 12 | 36 | 56 | 22 | ZN-141-1 32-5 |
| | 6 | M18x1,5 | 6,8 | 10 | 12 | 37 | 59 | 24 | ZN-141-1 32-6 |
| | 8 | M22x1,5 | 9 | 14 | 14 | 40 | 66 | 30 | ZN-141-1 32-8 |
| | 10 | M24x1,5 | 11 | 16 | 14 | 40 | 66 | 32 | ZN-141-1 32-10 |
| | 13 | M30x2 | 13 | 20 | 16 | 44 | 72 | 41 | ZN-141-1 32-13 |
| | 16 | M36x2 | 17 | 25 | 18 | 47 | 79 | 46 | ZN-141-1 32-16 |
| | 20 | M42x2 | 20 | 30 | 20 | 51 | 87 | 50 | ZN-141-1 32-20 |
| | 25 | M52x2 | 26 | 38 | 22 | 53 | 91 | 65 | ZN-141-1 32-25 |

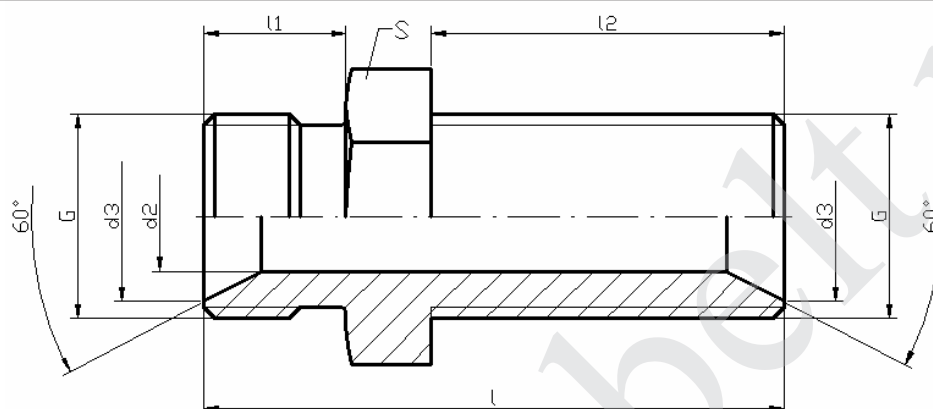
Na zamówienie wykonujemy także w wersjach redukcyjnych i wersja metryczno-calowych.

For request we execute in reducing version and Metric/BSP version.

На заказ мы изготавливаем тоже в редукционной версии и также в версии метрическо-дюймовой.

KORPUS ZŁĄCZKI GRODZIOWEJ CALOWEJ DO PRZYKRĘCANIA
INCH BULKHEAD TRANSITIONS UNION
Штуцер дюймовый под контрогайку

CN-141-1



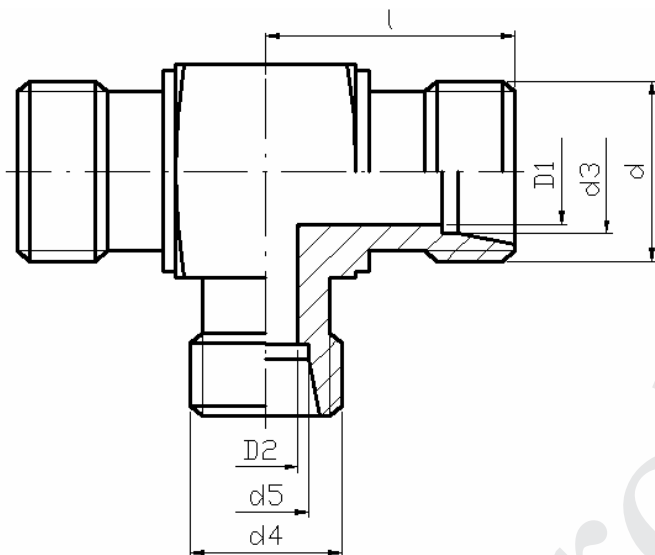
| Średnica nominalna przelotu d2 [mm] | G | d3 [mm] | l1 [mm] | l2 [mm] | l [mm] | S [mm] | Symbol / Order code |
|-------------------------------------|------|---------|---------|---------|--------|--------|---------------------|
| 5,5 | 1/4" | 10,4 | 12 | 31 | 51 | 19 | CN-141-1 1/4 |
| 7 | 3/8" | 13,8 | 12 | 32 | 52 | 22 | CN-141-1 3/8 |
| 11 | 1/2" | 17,6 | 14 | 35 | 57 | 27 | CN-141-1 1/2 |
| 15 | 3/4" | 21,8 | 16 | 37 | 63 | 32 | CN-141-1 3/4 |
| 20,5 | 1" | 28,3 | 18 | 41 | 69 | 41 | CN-141-1 1 |

Na zamówienie wykonujemy także w wersjach redukcyjnych i wersja metryczno-calowych.
 For request we execute in reducing version and Metric/BSP version.

На заказ мы изготавливаем тоже в редукционной версии и также в версии метрическо-дюймовой.

KORPUS ZŁĄCZKI TRÓJNIKOWEJ REDUKCYJNEJ
REDUCING BRANCH TEE UNION / Тройник редукционный

ZN-147



| Ciśnienie nominalne P _{nom} [MPa] | Średnica nominalna przelotu D _{1nom} [mm] | Średnica nominalna przelotu D _{1nom} [mm] | d [mm] | d3 [mm] | d4 [mm] | d5 [mm] | l [mm] | KL [mm] | Symbol / Order code |
|-----------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|---------|---------|---------|---------|--------|---------|---------------------|
| do 16 | 6 | 4 | M14x1.5 | 8 | M12x1.5 | 6 | 20 | 15 | ZN-147 16-6/4 |
| | 8 | 6 | M16x1.5 | 10 | M14x1.5 | 8 | 22 | 17 | ZN-147 16-8/6 |
| | 10 | 8 | M18x1.5 | 12 | M16x1.5 | 10 | 24 | 20 | ZN-147 16-10/8 |
| | 13 | 10 | M22x1.5 | 16 | M18x1.5 | 12 | 27 | 24 | ZN-147 16-13/10 |
| | 16 | 13 | M27x2 | 18 | M22x1.5 | 16 | 31 | 30 | ZN-147 16-16/13 |
| | 20 | 16 | M30x2 | 22 | M27x2 | 18 | 34 | 32 | ZN-147 16-20/16 |
| | 25 | 20 | M36x2 | 28 | M30x2 | 22 | 37 | 38 | ZN-147 16-25/20 |
| | 32 | 25 | M45x2 | 35 | M36x2 | 28 | 44 | 40 | ZN-147 16-32/25 |
| do 32 | 40 | 32 | M52x2 | 42 | M45x2 | 35 | 50 | 50 | ZN-147 16-40/32 |
| | 5 | 4 | M16x1.5 | 8 | M14x1.5 | 6 | 22 | 17 | ZN-147 32-5/4 |
| | 6 | 5 | M18x1.5 | 10 | M16x1.5 | 8 | 24 | 20 | ZN-147 32-6/5 |
| | 8 | 6 | M22x1.5 | 14 | M18x1.5 | 10 | 29 | 24 | ZN-147 32-8/6 |
| | 10 | 8 | M24x1.5 | 16 | M22x1.5 | 14 | 30 | 28 | ZN-147 32-10/8 |
| | 13 | 10 | M30x2 | 20 | M24x1.5 | 16 | 36 | 32 | ZN-147 32-13/10 |
| | 16 | 13 | M36x2 | 25 | M30x2 | 20 | 44 | 38 | ZN-147 32-16/13 |
| | 20 | 16 | M42x2 | 30 | M36x2 | 25 | 48 | 40 | ZN-147 32-20/16 |
| | 25 | 20 | M52x2 | 38 | M42x2 | 30 | 56 | 50 | ZN-147 32-25/20 |

KL – klucz;

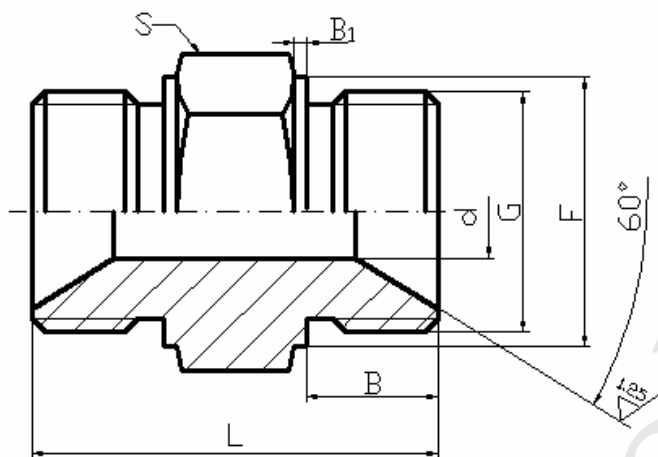
Na zamówienie wykonujemy także w innych różnych wersjach redukcyjnych.

For request we execute in different reducing versions.

На заказ мы изготавливаем тоже в разных редукционных версиях.

KORPUS ZŁĄCZKI PROSTEJ CALOWEJ
do gniazd uszczelnianych bezpośrednio przez metal na metal
STRAIGHT INCH UNION / Штуцер дюймовый

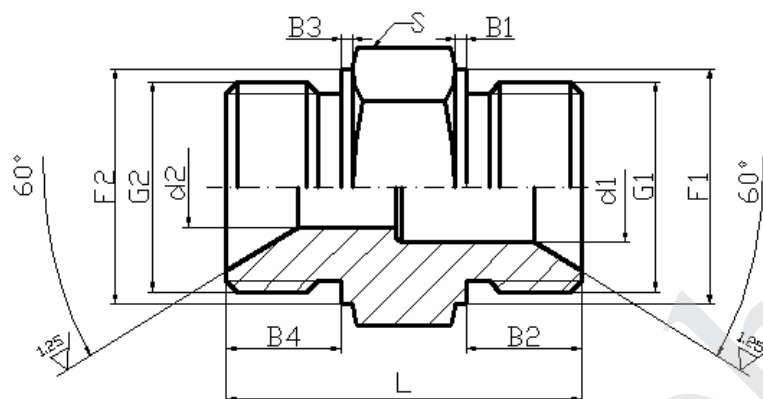
CN-141 BSP



| Gwint calowy, rurowy G [cal] | d [mm] | S [mm] | B [mm] | L [mm] | B ₁ [mm] | F [mm] | Symbol / Order code |
|---------------------------------------|-----------|-----------|-----------|-----------|------------------------|-----------|------------------------|
| G 1/8 | 3 | 14 | 8 | 27 | 1,5 | 13,5 | CN-141 1/8 |
| G 1/4 | 5,5 | 19 | 12 | 33 | 1,5 | 18,5 | CN-141 1/4 |
| G 3/8 | 7 | 22 | 12 | 36 | 2 | 21,5 | CN-141 3/8 |
| G 1/2 | 11 | 27 | 14 | 42 | 2 | 26,5 | CN-141 1/2 |
| G 5/8 | 12 | 30 | 16 | 46 | 2 | 29,5 | CN-141 5/8 |
| G 3/4 | 15 | 32 | 16 | 47 | 2,5 | 31,5 | CN-141 3/4 |
| G 1 | 20,5 | 41 | 18 | 52 | 3 | 40,5 | CN-141 1 |
| G 1 1/4 | 25 | 50 | 20 | 60 | 3 | 49,5 | CN-141 1 1/4 |
| G 1 1/2 | 30 | 55 | 22 | 66 | 3 | 54,5 | CN-141 1 1/2 |
| G2 | 42 | 70 | 25 | 72 | 3 | 69,5 | CN-141 2 |

KORPUS ZŁĄCZKI PROSTEJ REDUKCYJNEJ CALOWEJ
do gniazd uszczelnianych bezpośrednio przez metal na metal
STRAIGHT REDUCING INCH UNION / Штуцер дюймовый редукционный

CN-141 BSP



| Gwint calowy rurowy G1 [cal] | Gwint calowy rurowy G2 [cal] | d1 [mm] | d2 [mm] | B1 [mm] | B2 [mm] | B3 [mm] | B4 [mm] | F1 [mm] | F2 [mm] | L [mm] | S [mm] |
|------------------------------|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| G 1/4 | G 1/8 | 5,5 | 3 | 1,5 | 12 | 1,5 | 8 | 18,5 | 13,5 | 31 | 19 |
| G 3/8 | G 1/4 | 7 | 5,5 | 2 | 12 | 1,5 | 12 | 21,5 | 18,5 | 35,5 | 22 |
| G 1/2 | G 3/8 | 11 | 7 | 2 | 14 | 2 | 12 | 26,5 | 21,5 | 38 | 27 |
| G 5/8 | G 1/2 | 12 | 11 | 2 | 16 | 2 | 14 | 29,5 | 26,5 | 44 | 30 |
| G 3/4 | G 5/8 | 15 | 12 | 2,5 | 16 | 2 | 16 | 31,5 | 29,5 | 46,5 | 32 |
| G 1 | G 3/4 | 20,5 | 15 | 3 | 18 | 2,5 | 16 | 40,5 | 31,5 | 49,5 | 41 |
| G 1 1/4 | G 1 | 25 | 20,5 | 3 | 20 | 3 | 18 | 49,5 | 40,5 | 56 | 50 |
| G 1 1/2 | G 1 1/4 | 30 | 25 | 3 | 22 | 3 | 20 | 54,5 | 49,5 | 62 | 55 |
| G2 | G 1 1/2 | 42 | 30 | 3 | 25 | 3 | 22 | 69,5 | 54,5 | 69 | 70 |

Na zamówienie wykonujemy także w innych wersjach redukcyjnych.

For request we execute in different reducing versions.

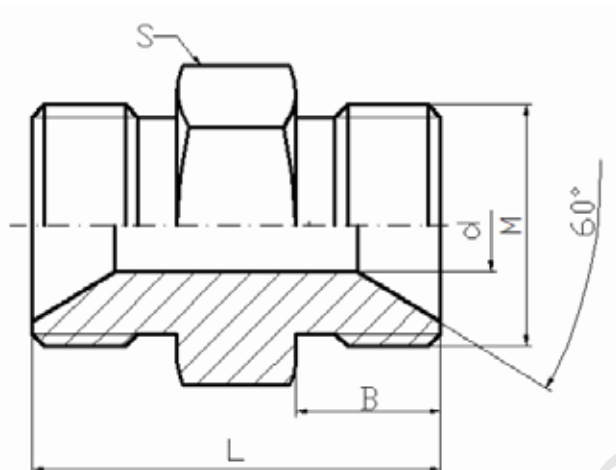
На заказ мы изготавливаем тоже в разных редукционных версиях.

Przykłady jak zamawiać / Example of how to order / Как заказывать:

1. CN-141 3/8" / 1/2"
2. CN-141 1" / 1 1/4"

KORPUS ZŁĄCZKI PROSTEJ z gniazdem 60°
STRAIGHT UNION WITH SOCKET 60°/ Штуцер

WNP-141



| Gwint metryczny M [mm] | d [mm] | S [mm] | B [mm] | L [mm] | B ₁ [mm] | F [mm] | Symbol / Order code |
|------------------------------|-----------|-----------|-----------|-----------|------------------------|-----------|---------------------|
| M16x1,5 | 8 | 19 | 12 | 36 | 2 | 18 | WNP-141 M16X1,5 |
| M20x1,5 | 10 | 24 | 12 | 38 | 2 | 23 | WNP-141 M20X1,5 |
| M27x1,5 | 16 | 24 | 14 | 45 | 2,5 | 23 | WNP-141 M27X1,5 |
| M33x2 | 20 | 36 | 14 | 46 | 3 | 35 | WNP-141 M33X2 |

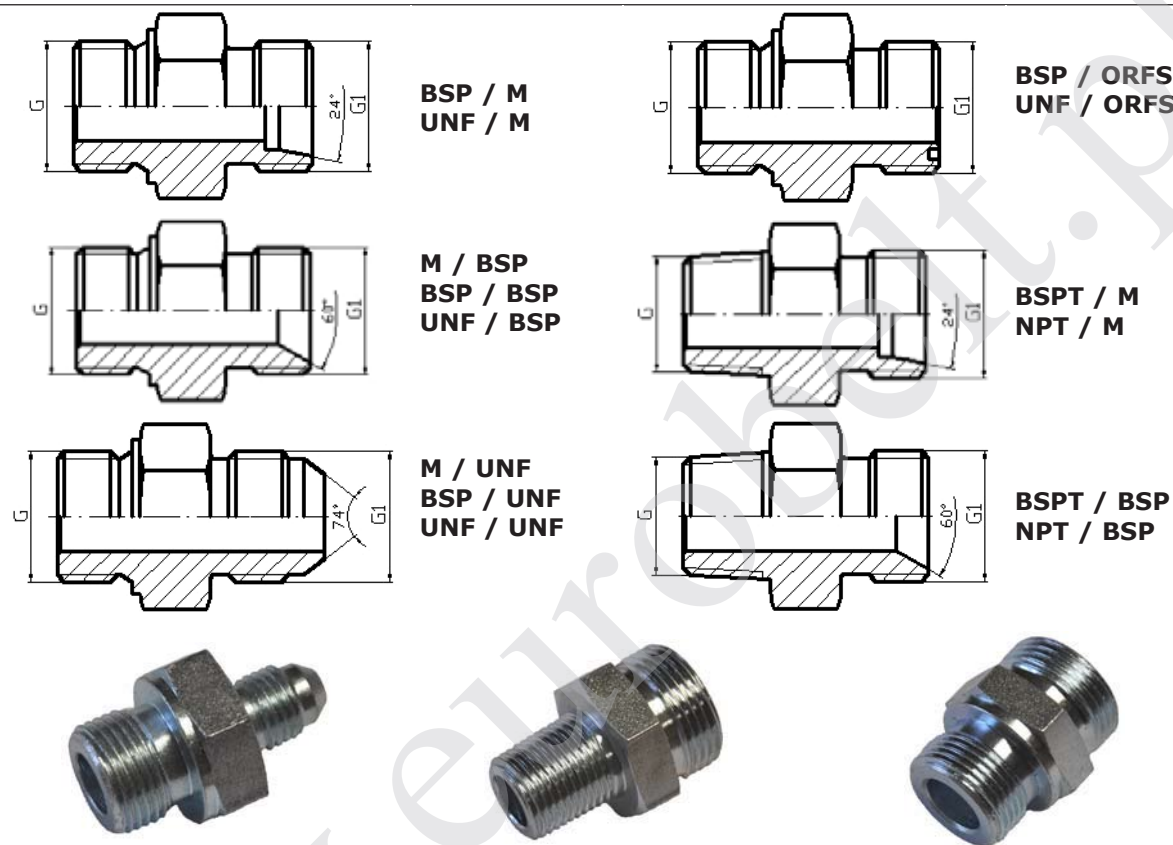
Na zamówienie wykonujemy także w wersjach redukcyjnych.

For request we execute in different reducing versions.

На заказ мы изготавливаем тоже в разных редукционных версиях.

KORPUS PRZYŁĄCZKI PROSTEJ STRAIGHT COUPLING / Штуцер прямой

ZN-140



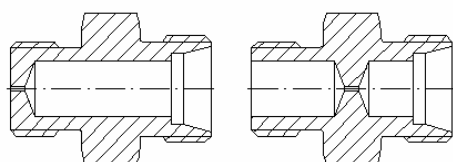
PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|-------------|----------------|---------------------------------|
| 1/2" BSP | M26x1,5 18L | ZN-140 BSP/M 1/2"/M26x1,5 18L |
| 3/8"-18 NPT | 1/2" BSP | ZN-140 NPT/BSP 3/8"-18/1/2" |
| 1" BSP | 1.3/16-14 ORFS | ZN-140 BSP/ORFS 1"/1.3/16-14 |
| 9/16-18 UNF | 7/16-20 UNF | ZN-140 UNF/UNF 9/16-18/7/16-20 |
| 3/4-16 UNF | M22x1,5 15L | ZN-140 UNF/M 3/4-16/M22x1,5 15L |
| 1/2" BSPT | M18x1,5 10S | ZN-140 BSPT/M 1/2"/M18x1,5 10S |
| 1"-11,5 NPT | 1" BSP | ZN-140 NPT/BSP 1"-11,5/1" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.



Wersje dławione.

Версия с уменьшенным пролетом.

Version with reduced flow.

Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

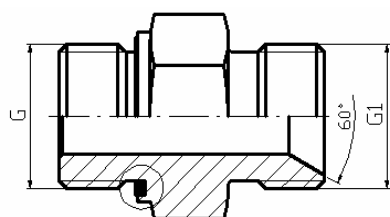
Таблица резьб – смотри на странице 7.

KORPUS PRZYŁĄCZKI PROSTEJ z uszczelnieniem ED

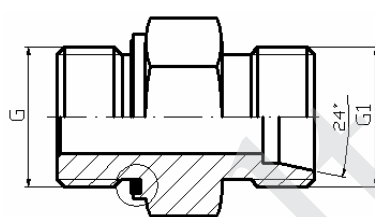
STRAIGHT COUPLING with ED seal

Штуцер прямой с резиновой подкладкой ЕД

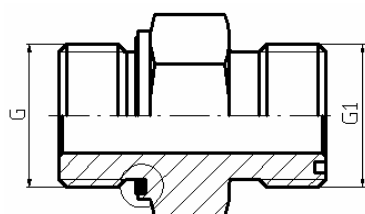
ZN-140 ED



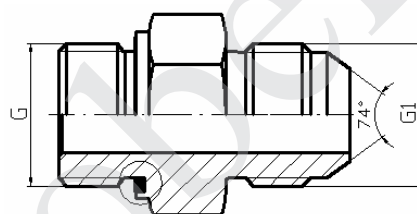
M / BSP
BSP / BSP



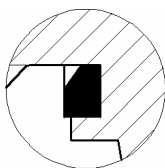
M / M
BSP / M



M / ORFS
BSP / ORFS



M / UNF
BSP / UNF



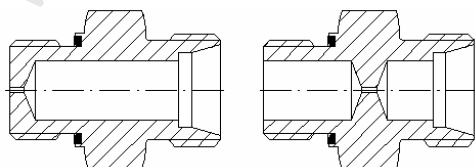
PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|------------|----------------|-----------------------------------|
| 1/2" BSP | M26x1,5 18L | ZN-140 BSP/M 1/2"/M26x1,5 18L ED |
| 1/2" BSP | 1/2" BSP | ZN-140 BSP/BSP 1/2"/1/2" ED |
| 1" BSP | 1.3/16-12 ORFS | ZN-140 BSP/ORFS 1"/1.3/16-12 ED |
| M18x1,5 | 13/16-16 ORFS | ZN-140 M/ORFS M18x1,5/13/16-16 ED |
| 3/4" BSP | 1.1/16-12 UNF | ZN-140 BSP/UNF 3/4"/1.1/16-12 ED |
| M22x1,5 | 7/8-14 UNF | ZN-140 M/UNF M22x1,5/7/8-14 ED |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.



Wersje dławione.
Версия с уменьшенным пролетом.
Version with reduced flow.

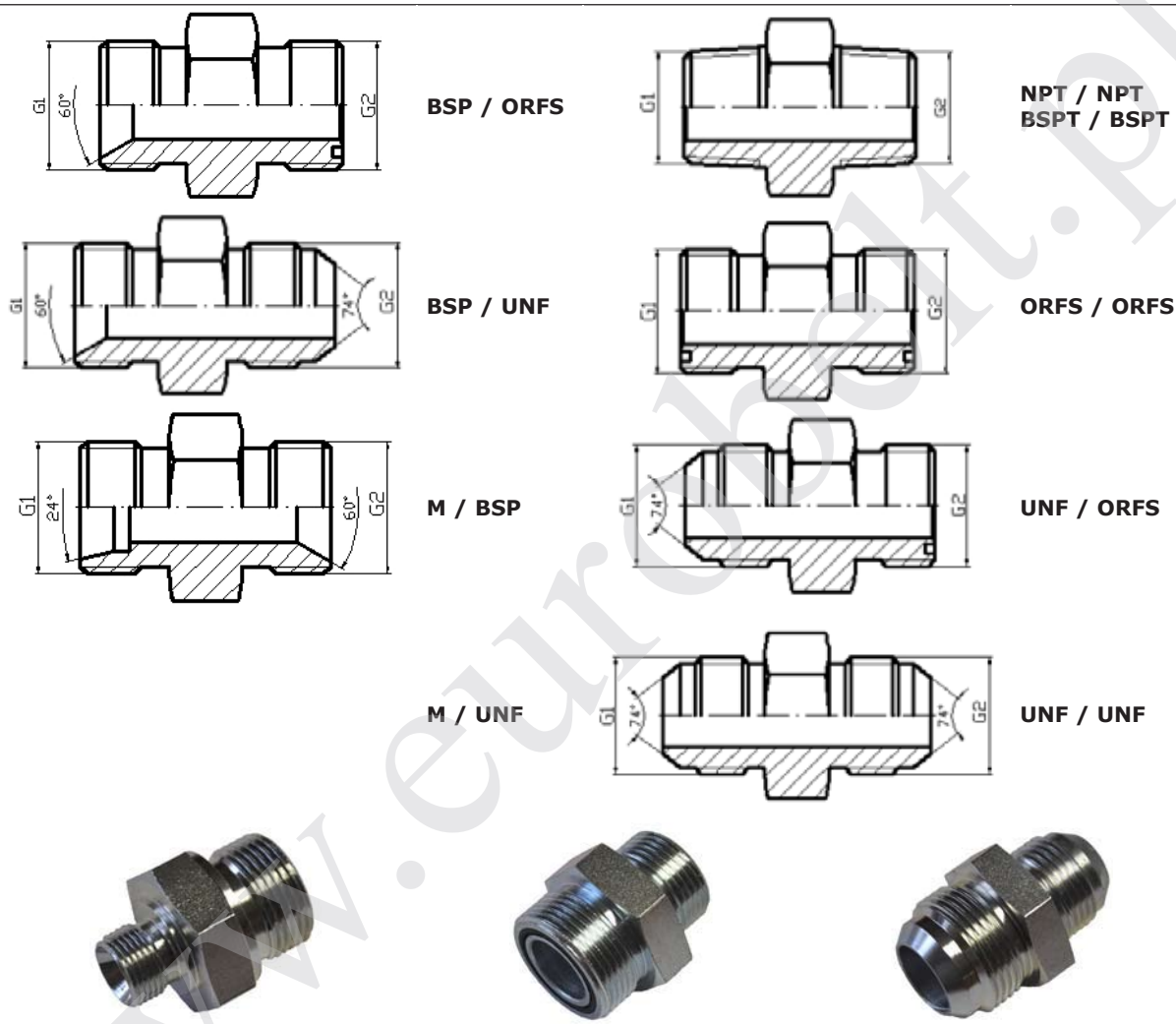
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS ZŁĄCZKI PROSTEJ STRAIGHT UNION / Штуцер

ZN-141



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 | Gwint G2 | Symbol / Order code |
|---------------|----------------|-----------------------------------|
| M18x1,5 12L | 1/2" BSP | ZN-141 M/BSP M18x1,5 12L/1/2" |
| 3/8" BSP | 3/4-16 UNF | ZN-141 BSP/UNF 3/8"/3/4-16 |
| 1-14 ORFS | 1.3/16-12 ORFS | ZN-141 ORFS/ORFS 1-14/1.3/16-12 |
| 1.5/16-12 UNF | 1.5/8-12 UNF | ZN-141 UNF/UNF 1.5/16-12/1.5/8-12 |
| 1/4"-18 NPT | 3/8"-18 NPT | ZN-141 NPT/NPT 1/4"-18/3/8"-18 |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

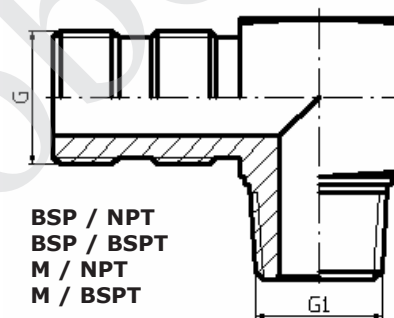
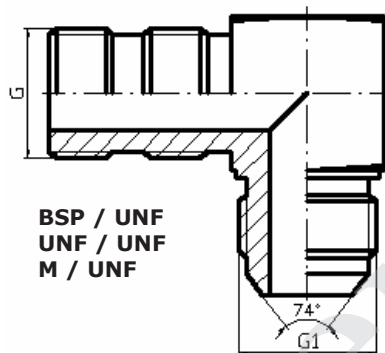
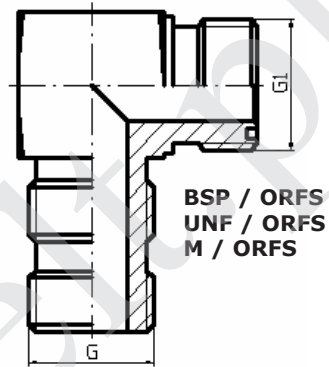
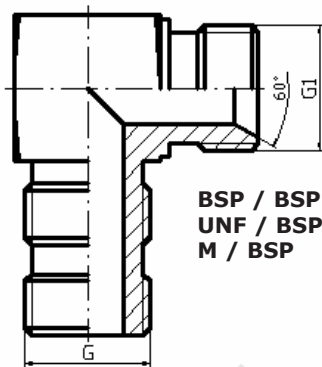
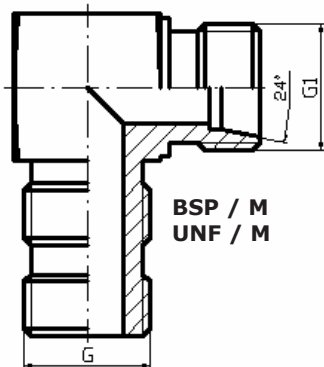
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS PRZYŁĄCZKI KOLANKOWEJ ELBOW COUPLING / Штуцер угловой

ZN-142



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|---------------|----------------|----------------------------------|
| 1/2" BSP | M22x1,5 15L | ZN-142 BSP/M 1/2"/M22x1,5 15L |
| 3/8" BSP | 3/8" BSP | ZN-142 BSP/BSP 3/8"/3/8" |
| 1 3/16-12 UNF | 1.3/16-12 ORFS | ZN-142 UNF/ORFS 1 3/16-12/1.3/16 |
| 1" BSP | 1 5/8-12 UNF | ZN-142 BSP/UNF 1"/1 5/8-12 |
| M16x1,5 | 3/8"-18 NPT | ZN-142 M/NPT M16x1,5/3/8"-18 |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

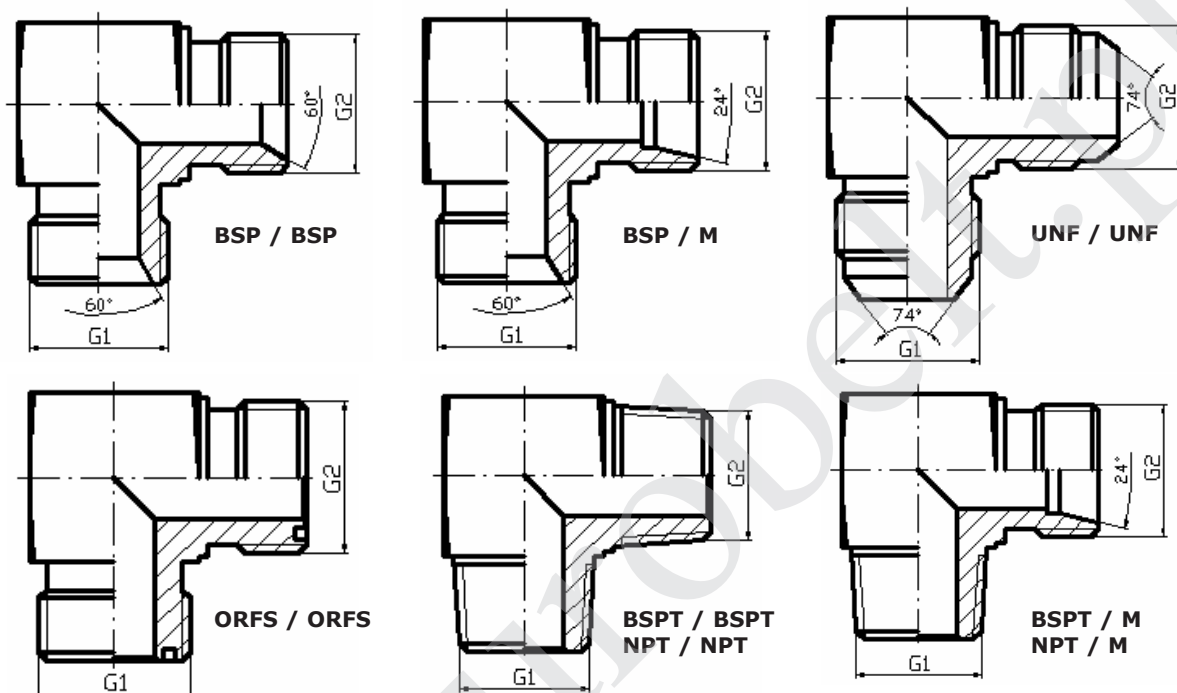
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS ZŁĄCZKI KOLANKOWEJ EQUAL ELBOW UNION / Штуцер угловой

ZN-143



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 | Gwint G2 | Symbol / Order code |
|---------------|---------------|------------------------------------|
| 1/2" BSP | 1/2" BSP | ZN-143 BSP/BSP 1/2"/1/2" |
| 3/8" BSP | M18x1,5 12L | ZN-143 BSP/M 3/8"/M18x1,5 12L |
| 9/16-18 UNF | 9/16-18 UNF | ZN-143 UNF/UNF 9/16-18/9/16-18 |
| 13/16-16 ORFS | 13/16-16 ORFS | ZN-143 ORFS/ORFS 13/16-16/13/16-16 |
| 1/4"-18 NPT | 1/4"-18 NPT | ZN-143 NPT/NPT 1/4"-18/1/4"-18 |
| 1/2"-14 NPT | M22x1,5 15L | ZN-143 NPT/M 1/2"/M22x1,5 15L |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

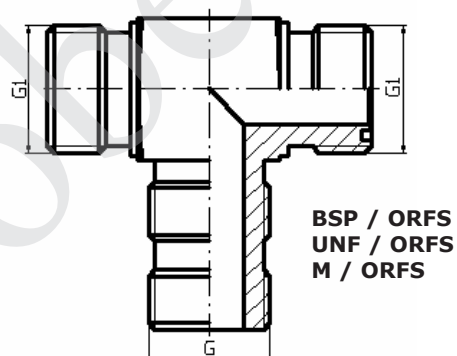
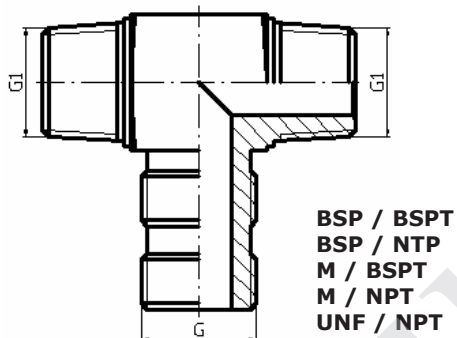
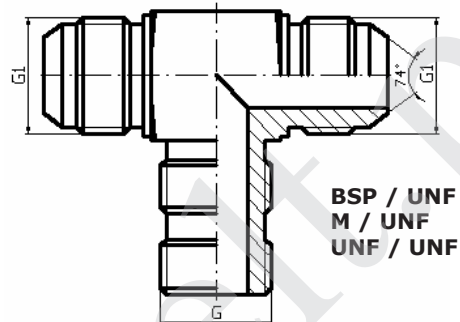
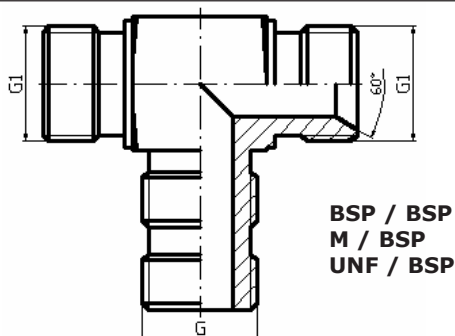
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ SYMETRYCZNEJ BRANCH TEES COUPLING / Тройник

ZN-145



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|---------------|----------------|----------------------------------|
| 1/2" BSP | M22x1,5 15L | ZN-145 BSP/M 1/2"/M22x1,5 15L |
| 3/8" BSP | 3/8" BSP | ZN-145 BSP/BSP 3/8"/3/8" |
| 1 3/16-12 UNF | 1.3/16-12 ORFS | ZN-145 UNF/ORFS 1 3/16-12/1.3/16 |
| 1" BSP | 1 5/8-12 UNF | ZN-145 BSP/UNF 1"/1 5/8-12 |
| M16x1,5 | 3/8"-18 NPT | ZN-145 M/NPT M16x1,5/3/8"-18 |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

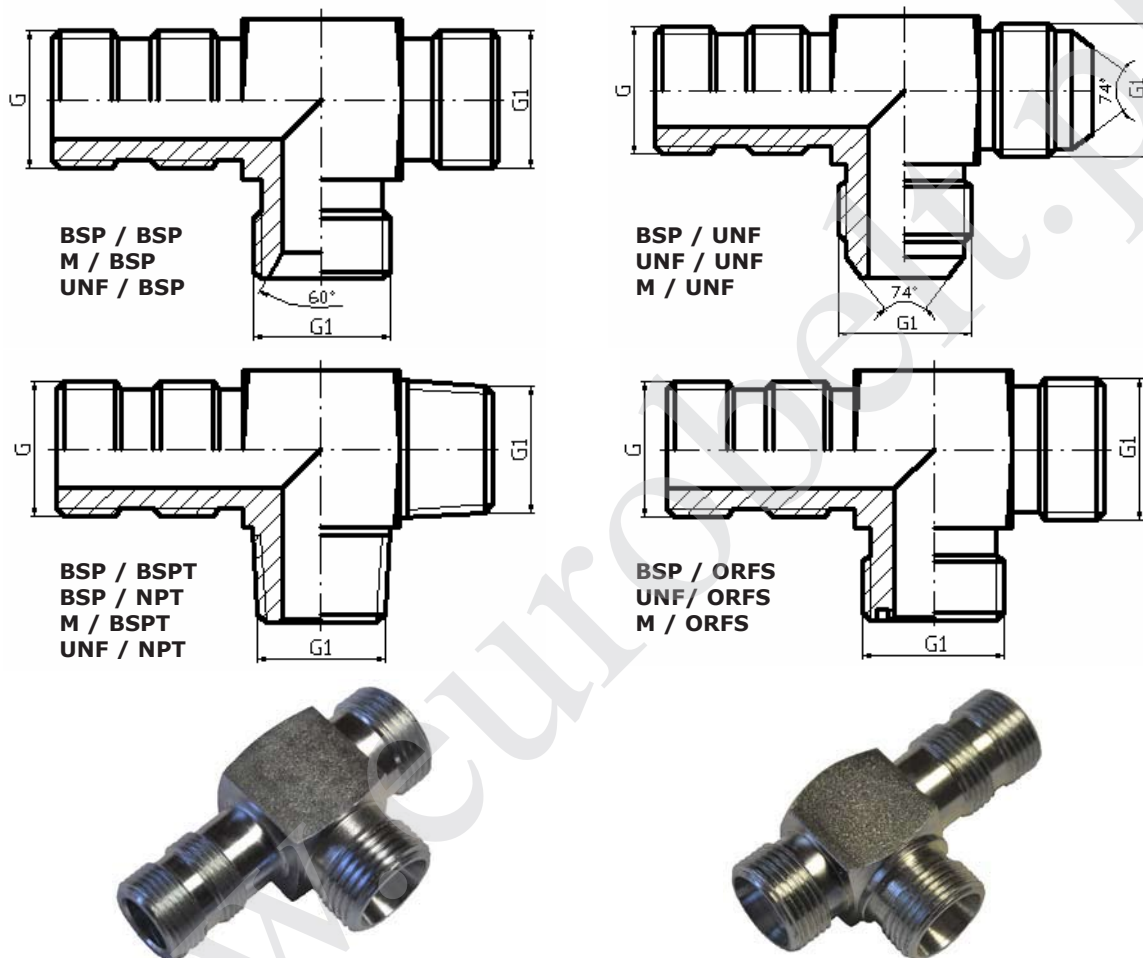
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS PRZYŁĄCZKI TRÓJNIKOWEJ NIESYMETRYCZNEJ RUN TEES COUPLING / Тройник

ZN-146



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|---------------|----------------|----------------------------------|
| 1/2" BSP | M22x1,5 15L | ZN-146 BSP/M 1/2"/M22x1,5 15L |
| 3/8" BSP | 3/8" BSP | ZN-146 BSP/BSP 3/8"/3/8" |
| 1 3/16-12 UNF | 1.3/16-12 ORFS | ZN-146 UNF/ORFS 1 3/16-12/1.3/16 |
| 1" BSP | 1 5/8-12 UNF | ZN-146 BSP/UNF 1"/1 5/8-12 |
| M16x1,5 | 3/8"-18 NPT | ZN-146 M/NPT M16x1,5/3/8"-18 |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

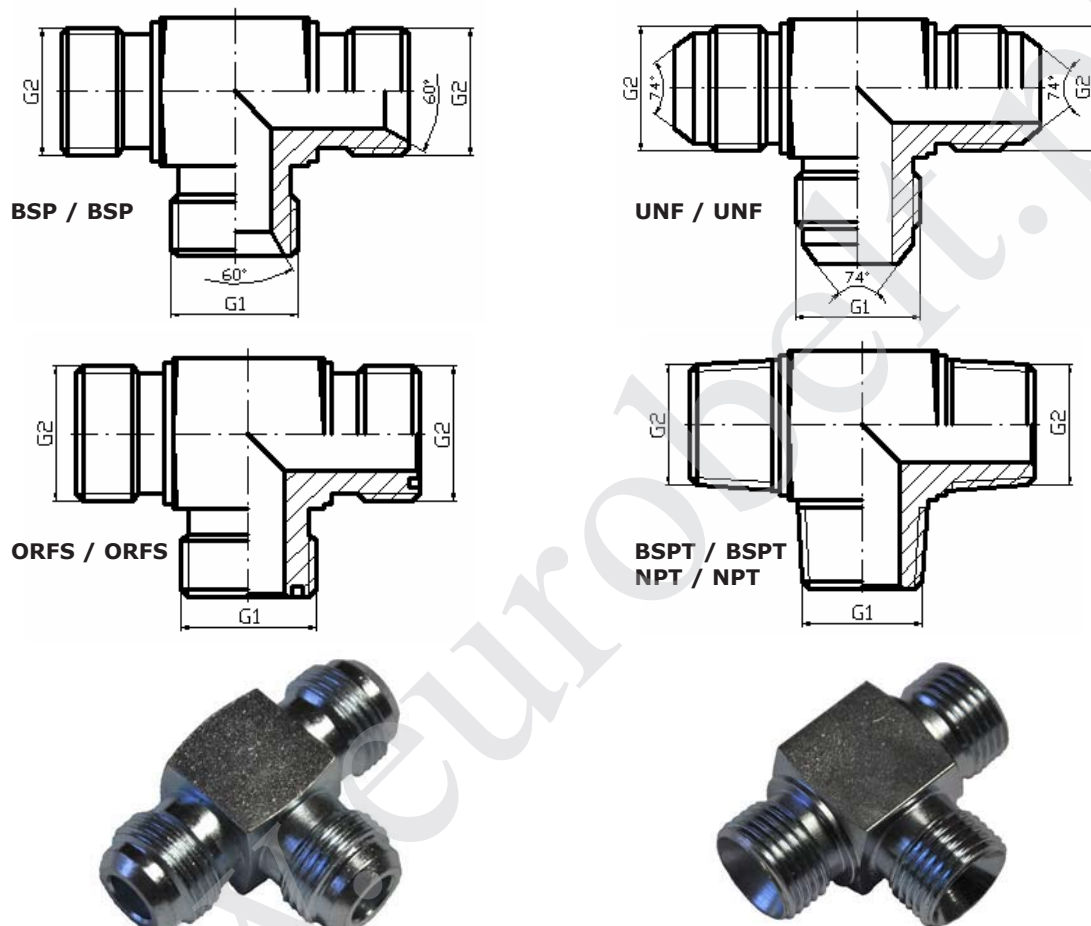
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS ZŁĄCZKI TRÓJNIKOWEJ EQUAL TEES UNION / Тройник

ZN-147



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 | Gwint G2 | Symbol / Order code |
|---------------|---------------|------------------------------------|
| 1/2" BSP | 3/8" BSP | ZN-147 BSP/BSP 1/2"/3/8" |
| 3/4-16 UNF | 11/16-16 UNF | ZN-147 UNF/UNF 3/4-16/11/16-16 |
| 13/16-16 ORFS | 13/16-16 ORFS | ZN-147 ORFS/ORFS 13/16-16/13/16-16 |
| 1/2"-14 NPT | 1/2"-14 NPT | ZN-147 NPT/NPT 1/2-14/1/2-14 |
| 3/4" BSPT | 1/2" BSPT | ZN-147 BSPT/BSPT 3/4"/1/2" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

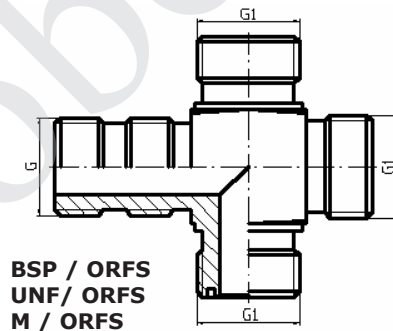
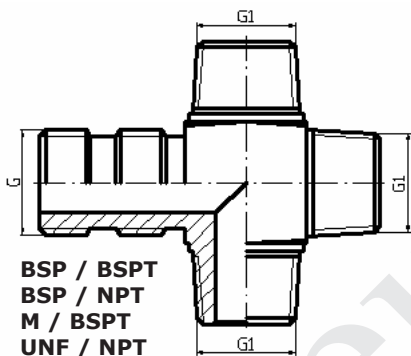
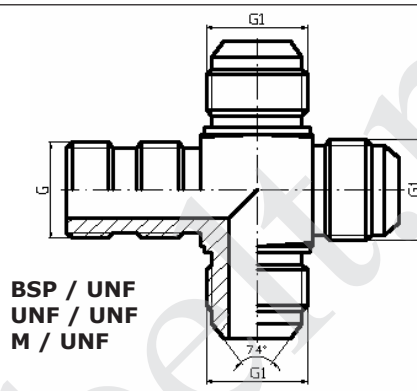
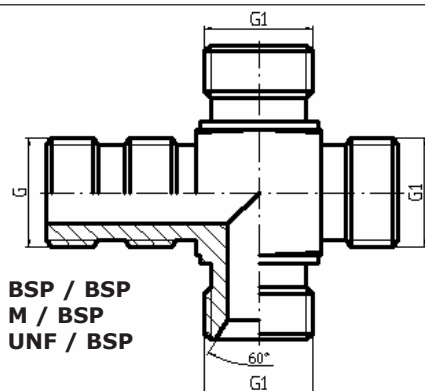
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS PRZYŁĄCZKI CZWÓRNIKOWEJ CROSSES COUPLING / Крестовина

ZN-148



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Symbol / Order code |
|---------------|----------------|----------------------------------|
| 1/2" BSP | M22x1,5 15L | ZN-148 BSP/M 1/2"/M22x1,5 15L |
| 3/8" BSP | 3/8" BSP | ZN-148 BSP/BSP 3/8"/3/8" |
| 1 3/16-12 UNF | 1.3/16-12 ORFS | ZN-148 UNF/ORFS 1 3/16-12/1.3/16 |
| 1" BSP | 1 5/8-12 UNF | ZN-148 BSP/UNF 1"/1 5/8-12 |
| M16x1,5 | 3/8"-18 NPT | ZN-148 M/NPT M16x1,5/3/8"-18 |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

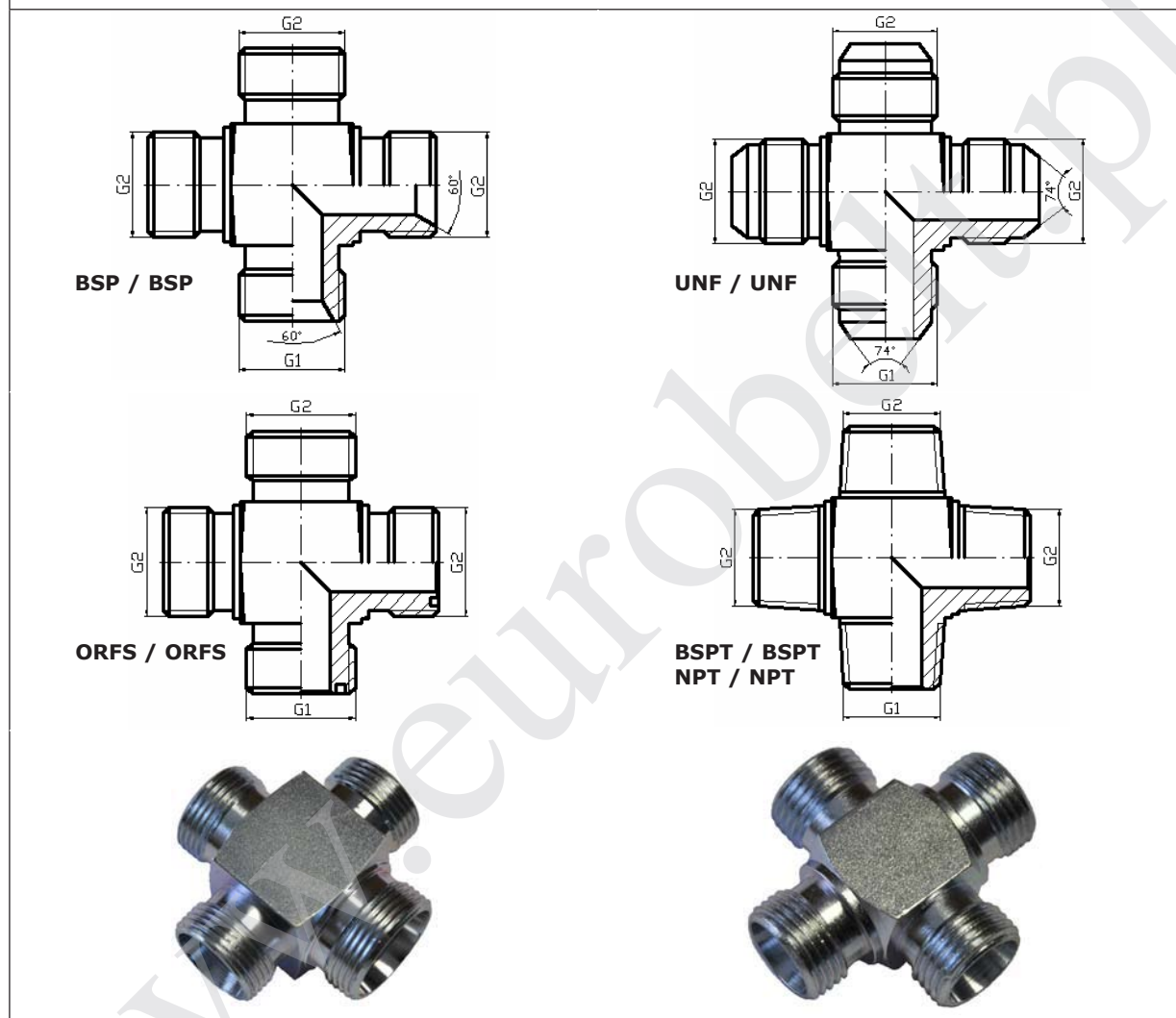
Tabela gwintów – patrz str. 7.

Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

KORPUS ZŁĄCZKI CZWÓRNIKOWEJ EQUAL CROSSES UNION / Штуцер крестовой

ZN-149



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 | Gwint G2 | Symbol / Order code |
|---------------|---------------|------------------------------------|
| 1/2" BSP | 3/8" BSP | ZN-149 BSP/BSP 1/2"/3/8" |
| 3/4-16 UNF | 11/16-16 UNF | ZN-149 UNF/UNF 3/4-16/11/16-16 |
| 13/16-16 ORFS | 13/16-16 ORFS | ZN-149 ORFS/ORFS 13/16-16/13/16-16 |
| 1/2"-14 NPT | 1/2"-14 NPT | ZN-149 NPT/NPT 1/2-14/1/2-14 |
| 3/4" BSPT | 1/2" BSPT | ZN-149 BSPT/BSPT 3/4"/1/2" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami.

We execute in different reducing versions and different threads.

Изготавливаем в разных редукционных версиях и с разными резьбами.

Tabela gwintów – patrz str. 7.

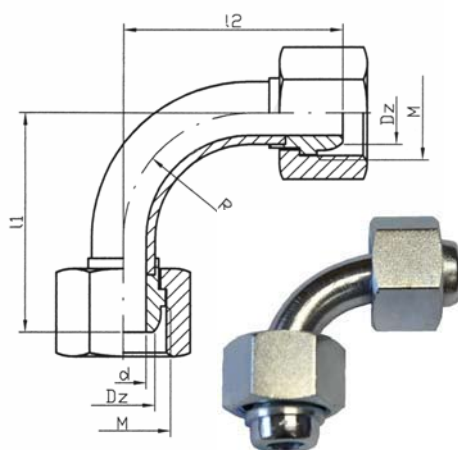
Table of threads – see page 7.

Таблица резьб – смотри на странице 7.

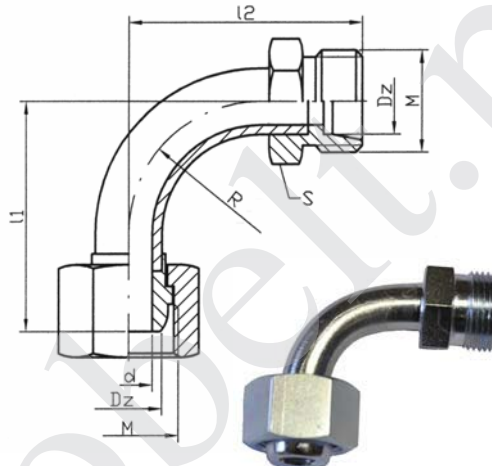
ZŁĄCZKA ŁUKOWA - do łączenia przewodów
ARC UNION to connect hoses / Штуцер дуговой для соединения шлангов

ZL - AA/AB/BB

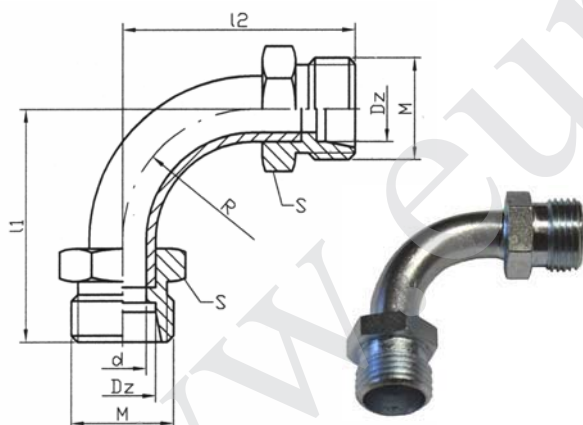
Typ AA



Typ AB



Typ BB



Na zamówienie wykonujemy także w wersji z różnymi końcówkami z katalogu i w wersjach redukcyjnych.

For request we execute in version with different nipples from the catalogue and in different reducing versions.

На заказ мы изготавливаем тоже в версии с разными окончаниями из каталога и тоже в разных редукционных версиях.

| Typ | Gwint M [mm] | Dz [mm] | d [mm] | l1 [mm] | l2 [mm] | R [mm] | S [mm] | Symbol / Order code |
|-----|-----------------|------------|-----------|------------|------------|-----------|-----------|---------------------|
| AA | M16x1,5 | 10 | 7 | 42 | 41 | 25 | - | ZL AA M16x1,5 10L |
| AA | M18x1,5 | 12 | 7 | 42 | 48 | 25 | - | ZL AA M18x1,5 12L |
| AA | M22x1,5 | 15 | 9 | 47 | 47 | 30 | - | ZL AA M22x1,5 15L |
| AA | M22x1,5 | 16 | 9 | 47 | 47 | 30 | - | ZL AA M22x1,5 16L |
| AB | M16x1,5 | 10 | 7 | 42 | 45 | 25 | 17 | ZL AB M16x1,5 10L |
| AB | M18x1,5 | 12 | 7 | 42 | 52 | 25 | 19 | ZL AB M18x1,5 12L |
| AB | M22x1,5 | 15 | 9 | 47 | 54 | 30 | 22 | ZL AB M22x1,5 15L |
| AB | M22x1,5 | 16 | 9 | 47 | 54 | 30 | 22 | ZL AB M22x1,5 16L |
| BB | M16x1,5 | 10 | 7 | 46 | 45 | 25 | 17 | ZL BB M16x1,5 10L |
| BB | M18x1,5 | 12 | 7 | 45 | 52 | 25 | 19 | ZL BB M18x1,5 12L |
| BB | M22x1,5 | 15 | 9 | 55 | 54 | 30 | 22 | ZL BB M22x1,5 15L |
| BB | M22x1,5 | 16 | 9 | 55 | 54 | 30 | 22 | ZL BB M22x1,5 16L |

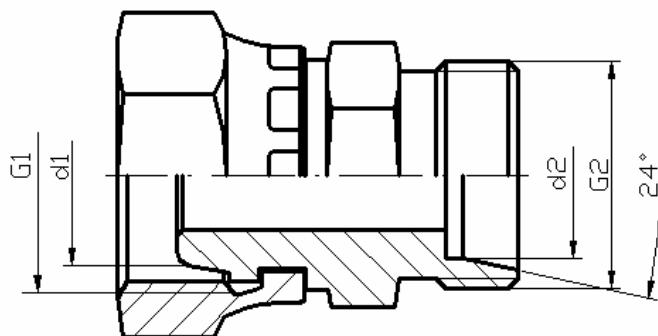


**Wysokociśnieniowe
złączki hydrauliczne nakrętne**

**High pressure hydraulic swivel adaptors
Штуцера с гайкой**

ZŁĄCZKA PROSTA NAKRĘTNA AB, METRYCZNA
Straight swivel adaptor AB, metric / Штуцер с гайкой АБ, метрический

AB M/M



Wesja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|----------|---------|----------|---------|-----------------------------|---------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | 400 | AB M12x1,5 6L |
| M14x1,5 | 8 | M14x1,5 | 8 | 400 | AB M14x1,5 8L |
| M16x1,5 | 10 | M16x1,5 | 10 | 350 | AB M16x1,5 10L |
| M18x1,5 | 12 | M18x1,5 | 12 | 330 | AB M18x1,5 12L |
| M22x1,5 | 15 | M22x1,5 | 15 | 275 | AB M22x1,5 15L |
| M22x1,5 | 16 | M22x1,5 | 16 | 275 | AB M22x1,5 16L |
| M26x1,5 | 18 | M26x1,5 | 18 | 250 | AB M26x1,5 18L |
| M27x1,5 | 18 | M27x1,5 | 18 | 250 | AB M27x1,5 18L |
| M27x2 | 18 | M27x2 | 18 | 250 | AB M27x2 18L |
| M30x2 | 22 | M30x2 | 22 | 215 | AB M30x2 22L |
| M36x2 | 28 | M36x2 | 28 | 165 | AB M36x2 28L |
| M45x2 | 35 | M45x2 | 35 | 125 | AB M45x2 35L |
| M52x2 | 42 | M52x2 | 42 | 90 | AB M52x2 42L |

Wesja ciężka; Heavy version; Тяжёлая версия

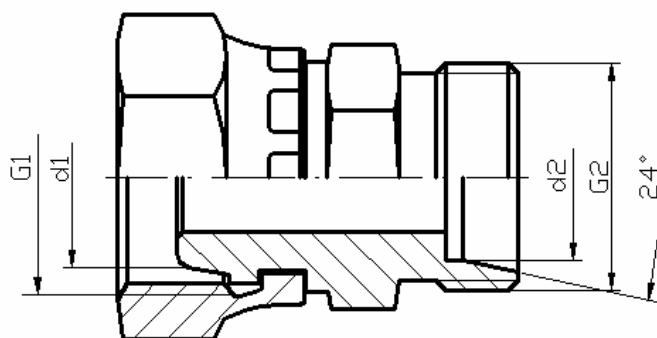
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|----------|---------|----------|---------|-----------------------------|---------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | 400 | AB M14x1,5 6S |
| M16x1,5 | 8 | M16x1,5 | 8 | 400 | AB M16x1,5 8S |
| M18x1,5 | 10 | M18x1,5 | 10 | 350 | AB M18x1,5 10S |
| M20x1,5 | 12 | M20x1,5 | 12 | 330 | AB M20x1,5 12S |
| M22x1,5 | 14 | M22x1,5 | 14 | 330 | AB M22x1,5 14S |
| M24x1,5 | 16 | M24x1,5 | 16 | 275 | AB M24x1,5 16S |
| M30x2 | 20 | M30x2 | 20 | 250 | AB M30x2 20S |
| M36x2 | 25 | M36x2 | 25 | 215 | AB M36x2 25S |
| M42x2 | 30 | M42x2 | 30 | 165 | AB M42x2 30S |
| M52x2 | 38 | M52x2 | 38 | 125 | AB M52x2 38S |

ZŁĄCZKA PROSTA REDUKCYJNA NAKRĘTNA AB, METRYCZNA

Straight reducing swivel adaptor AB, metric

Штуцер редукционный с гайкой АБ, метрический

AB M/M



PRZYKŁADY / EXAMPLE / Примеры

Wesja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|--------------------------------|
| M12x1,5 | 6 | M14x1,5 | 8 | 400 | AB M12x1,5/M14x1,5 6L/8L |
| M12x1,5 | 6 | M16x1,6 | 10 | 350 | AB M12x1,5/M16x1,5 6L/10L |
| M12x1,5 | 6 | M18x1,6 | 12 | 330 | AB M12x1,5/M18x1,5 6L/12L |
| M14x1,5 | 8 | M16x1,5 | 10 | 350 | AB M14x1,5/M16x1,5 8L/10L |
| M14x1,5 | 8 | M18x1,5 | 12 | 330 | AB M14x1,5/M18x1,5 8L/12L |
| M14x1,5 | 8 | M22x1,5 | 15/16 | 275 | AB M14x1,5/M22x1,5 8L/15(16)L |
| M16x1,5 | 10 | M18x1,5 | 12 | 330 | AB M16x1,5/M18x1,5 10L/12L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | AB M16x1,5/M22x1,5 10L/15(16)L |
| M16x1,5 | 10 | M26x1,5 | 18 | 250 | AB M16x1,5/M26x1,5 10L/18L |
| M16x1,5 | 10 | M27x2 | 18 | 250 | AB M16x1,5/M27x2 10L/18L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | AB M18x1,5/M22x1,5 12L/15(16)L |
| M18x1,5 | 12 | M26x1,5 | 18 | 250 | AB M18x1,5/M26x1,5 12L/18L |
| M18x1,5 | 12 | M27x2 | 18 | 250 | AB M18x1,5/M27x2 12L/18L |
| M18x1,5 | 12 | M30x2 | 22 | 215 | AB M18x1,5/M30x2 12L/22L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | AB M22x1,5/M26x1,5 15(16)L/18L |
| M22x1,5 | 15/16 | M27x2 | 18 | 250 | AB M22x1,5/M27x2 15(16)L/18L |
| M22x1,5 | 15/16 | M30x2 | 22 | 215 | AB M22x1,5/M30x2 15(16)L/22L |
| M22x1,5 | 15/16 | M36x2 | 28 | 165 | AB M22x1,5/M36x2 15(16)L/28L |
| M26x1,5 | 18 | M27x2 | 18 | 250 | AB M26x1,5/M27x2 18L/18L |
| M26x1,5 | 18 | M30x2 | 22 | 215 | AB M26x1,5/M30x2 18L/22L |
| M26x1,5 | 18 | M36x2 | 28 | 165 | AB M26x1,5/M36x2 18L/28L |
| M26x1,5 | 18 | M45x2 | 35 | 125 | AB M26x1,5/M45x2 18L/35L |
| M27x2 | 18 | M26x1,5 | 18 | 250 | AB M27x2/M26x1,5 18L/18L |
| M27x2 | 18 | M30x2 | 22 | 215 | AB M27x2/M30x2 18L/22L |
| M27x2 | 18 | M36x2 | 28 | 165 | AB M27x2/M36x2 18L/28L |
| M27x2 | 18 | M45x2 | 35 | 125 | AB M27x2/M45x2 18L/35L |
| M30x2 | 22 | M36x2 | 28 | 215 | AB M30x2/M36x2 22L/28L |
| M30x2 | 22 | M45x2 | 35 | 125 | AB M30x2/M45x2 22L/35L |
| M30x2 | 22 | M52x2 | 42 | 90 | AB M30x2/M52x2 22L/42L |
| M36x2 | 28 | M45x2 | 35 | 125 | AB M36x2/M45x2 28L/35L |
| M36x2 | 28 | M52x2 | 42 | 90 | AB M36x2/M52x2 28L/42L |
| M45x2 | 35 | M52x2 | 42 | 90 | AB M45x2/M52x2 35L/42L |



Wesja ciężka; Heavy version; Тяжёлая версия

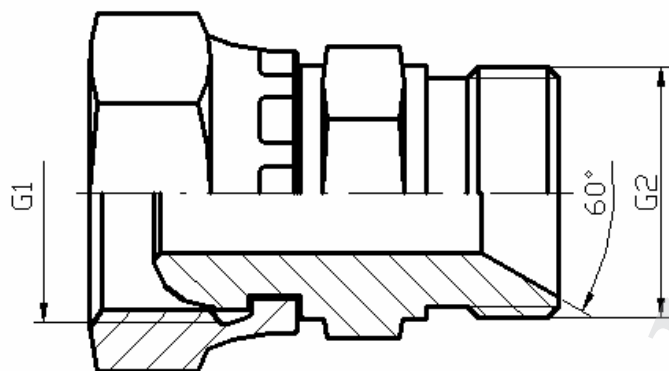
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|----------------------------|
| M14x1,5 | 6 | M16x1,5 | 8 | 400 | AB M14x1,5/M16x1,5 6S/8S |
| M14x1,5 | 6 | M18x1,5 | 10 | 350 | AB M14x1,5/M18x1,5 6S/10S |
| M14x1,5 | 6 | M20x1,5 | 12 | 330 | AB M14x1,5/M20x1,5 6S/12S |
| M14x1,5 | 6 | M22x1,5 | 14 | 330 | AB M14x1,5/M22x1,5 6S/14S |
| M16x1,5 | 8 | M18x1,5 | 10 | 350 | AB M16x1,5/M18x1,5 8S/10S |
| M16x1,5 | 8 | M20x1,5 | 12 | 330 | AB M16x1,5/M20x1,5 8S/12S |
| M16x1,5 | 8 | M22x1,5 | 14 | 330 | AB M16x1,5/M22x1,5 8S/14S |
| M16x1,5 | 8 | M24x1,5 | 16 | 275 | AB M16x1,5/M24x1,5 8S/16S |
| M18x1,5 | 10 | M20x1,5 | 12 | 330 | AB M18x1,5/M20x1,5 10S/12S |
| M18x1,5 | 10 | M22x1,5 | 14 | 330 | AB M18x1,5/M22x1,5 10S/14S |
| M18x1,5 | 10 | M24x1,5 | 16 | 275 | AB M18x1,5/M24x1,5 10S/16S |
| M18x1,5 | 10 | M30x2 | 20 | 250 | AB M18x1,5/M30x2 10S/20S |
| M20x1,5 | 12 | M22x1,5 | 14 | 330 | AB M20x1,5/M22x1,5 12S/14S |
| M20x1,5 | 12 | M24x1,5 | 16 | 275 | AB M20x1,5/M24x1,5 12S/16S |
| M20x1,5 | 12 | M30x2 | 20 | 250 | AB M20x1,5 /M30x2 12S/20S |
| M20x1,5 | 12 | M36x2 | 25 | 215 | AB M20x1,5/M36x2 12S/25S |
| M22x1,5 | 14 | M24x1,5 | 16 | 275 | AB M22x1,5/M24x1,5 14S/16S |
| M22x1,5 | 14 | M30x2 | 20 | 250 | AB M22x1,5/M30x2 14S/20S |
| M22x1,5 | 14 | M36x2 | 25 | 215 | AB M22x1,5/M36x2 14S/25S |
| M22x1,5 | 14 | M42x2 | 30 | 165 | AB M22x1,5/M42x2 14S/30S |
| M24x1,5 | 16 | M30x2 | 20 | 250 | AB M24x1,5/M30x2 16S/20S |
| M24x1,5 | 16 | M36x2 | 25 | 215 | AB M24x1,5/M36x2 16S/25S |
| M24x1,5 | 16 | M42x2 | 30 | 165 | AB M24x1,5/M42x2 16S/30S |
| M30x2 | 20 | M36x2 | 25 | 215 | AB M30x2/M36x2 20S/25S |
| M30x2 | 20 | M42x2 | 30 | 165 | AB M30x2/M42x2 20S/30S |
| M30x2 | 20 | M52x2 | 38 | 125 | AB M30x2/M52x2 20S/38S |
| M36x2 | 25 | M42x2 | 30 | 165 | AB M36x2/M42x2 25S/30S |
| M36x2 | 25 | M52x2 | 38 | 125 | AB M36x2/M52x2 25S/38S |
| M42x2 | 30 | M52x2 | 38 | 125 | AB M42x2/M52x2 30S/38S |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA PROSTA NAKRĘTNA AB, CALOWA
Straight swivel adaptor AB, BSP / Штуцер с гайкой АБ, дюймовый
AB BSP/BSP



| Gwint G1 [BSP] | Gwint G2 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|---------------------|
| G 1/4" | G 1/4" | 400 | AB 1/4" / 1/4" |
| G 1/4" | G 3/8" | 330 | AB 1/4" / 3/8" |
| G 1/4" | G 1/2" | 275 | AB 1/4" / 1/2" |
| G 3/8" | G 3/8" | 330 | AB 3/8" / 3/8" |
| G 3/8" | G 1/2" | 275 | AB 3/8" / 1/2" |
| G 3/8" | G 5/8" | 250 | AB 3/8" / 5/8" |
| G 1/2" | G 1/2" | 275 | AB 1/2" / 1/2" |
| G 1/2" | G 5/8" | 250 | AB 1/2" / 5/8" |
| G 1/2" | G 3/4" | 215 | AB 1/2" / 3/4" |
| G 5/8" | G 5/8" | 250 | AB 5/8" / 5/8" |
| G 5/8" | G 3/4" | 215 | AB 5/8" / 3/4" |
| G 5/8" | G 1" | 165 | AB 5/8" / 1" |
| G 3/4" | G 3/4" | 215 | AB 3/4" / 3/4" |
| G 3/4" | 1" | 165 | AB 3/4" / 1" |
| G 3/4" | G 1 1/4" | 125 | AB 3/4" / 1 1/4" |
| G 1" | G 1" | 165 | AB 1" / 1" |
| G 1" | G 1 1/4" | 125 | AB 1" / 1 1/4" |
| G 1" | G 1 1/2" | 90 | AB 1" / 1 1/2" |
| G 1 1/4" | G 1 1/4" | 125 | AB 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | 90 | AB 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | 90 | AB 1 1/2" / 1 1/2" |

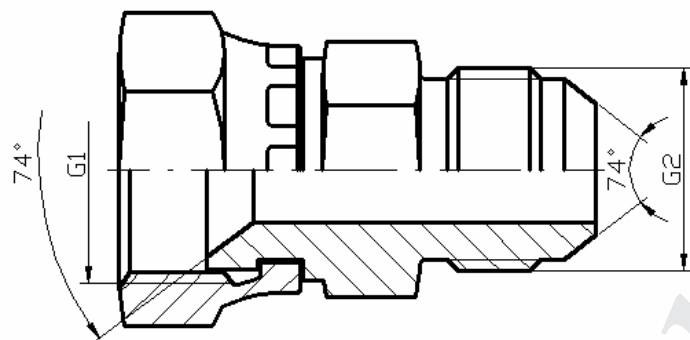
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA PROSTA NAKRĘTNA AB, UNF
Straight swivel adaptor AB, UNF / Штуцер с гайкой АБ, UNF

AB UNF/UNF



| Gwint G1 [UNF] | Gwint G2 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|--------------------------|
| 7/16"-20 | 7/16"-20 | 400 | AB UNF 7/16" / 7/16" |
| 7/16"-20 | 1/2"-20 | 350 | AB UNF 7/16" / 1/2" |
| 7/16"-20 | 9/16"-19 | 330 | AB UNF 7/16" / 9/16" |
| 1/2"-20 | 1/2"-20 | 350 | AB UNF 1/2" / 1/2" |
| 1/2"-20 | 9/16"-18 | 330 | AB UNF 1/2" / 9/16" |
| 1/2"-20 | 3/4"-16 | 275 | AB UNF 1/2" / 3/4" |
| 9/16"-18 | 9/16"-18 | 330 | AB UNF 9/16" / 9/16" |
| 9/16"-18 | 3/4"-16 | 275 | AB UNF 9/16" / 3/4" |
| 9/16"-18 | 7/8"-14 | 250 | AB UNF 9/16" / 7/8" |
| 3/4"-16 | 3/4"-16 | 275 | AB UNF 3/4" / 3/4" |
| 3/4"-16 | 7/8"-14 | 250 | AB UNF 3/4" / 7/8" |
| 3/4"-16 | 1 1/16"-12 | 215 | AB UNF 3/4" / 1 1/16" |
| 7/8"-14 | 7/8"-14 | 250 | AB UNF 7/8" / 7/8" |
| 7/8"-14 | 1 1/16"-12 | 215 | AB UNF 7/8" / 1 1/16" |
| 7/8"-14 | 1 5/16"-12 | 165 | AB UNF 7/8" / 1 5/16" |
| 1 1/16"-12 | 1 1/16"-12 | 215 | AB UNF 1 1/16" / 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 165 | AB UNF 1 1/16" / 1 5/16" |
| 1 1/16"-12 | 1 5/8"-12 | 125 | AB UNF 1 1/16" / 1 5/8" |
| 1 5/16"-12 | 1 5/16"-12 | 165 | AB UNF 1 5/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 125 | AB UNF 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 125 | AB UNF 1 5/8" / 1 5/8" |

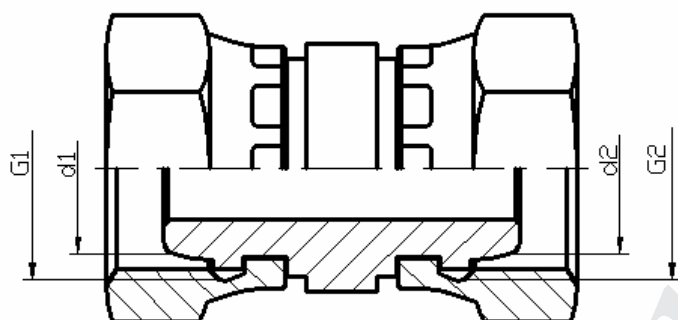
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA PROSTA NAKRĘTNA AA, METRYCZNA
Straight swivel adaptor AA, metric / Штуцер с гайкой AA, метрический

AA M/M



Wesja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | 400 | AA M12x1,5 6L |
| M14x1,5 | 8 | M14x1,5 | 8 | 400 | AA M14x1,5 8L |
| M16x1,5 | 10 | M16x1,5 | 10 | 350 | AA M16x1,5 10L |
| M18x1,5 | 12 | M18x1,5 | 12 | 330 | AA M18x1,5 12L |
| M22x1,5 | 15 | M22x1,5 | 15 | 275 | AA M22x1,5 15L |
| M22x1,5 | 16 | M22x1,5 | 16 | 275 | AA M22x1,5 16L |
| M26x1,5 | 18 | M26x1,5 | 18 | 250 | AA M26x1,5 18L |
| M27x1,5 | 18 | M27x1,5 | 18 | 250 | AA M27x1,5 18L |
| M27x2 | 18 | M27x2 | 18 | 250 | AA M27x2 18L |
| M30x2 | 22 | M30x2 | 22 | 215 | AA M30x2 22L |
| M36x2 | 28 | M36x2 | 28 | 165 | AA M36x2 28L |
| M45x2 | 35 | M45x2 | 35 | 125 | AA M45x2 35L |
| M52x2 | 42 | M52x2 | 42 | 90 | AA M52x2 42L |

Wesja ciężka; Heavy version; Тяжёлая версия

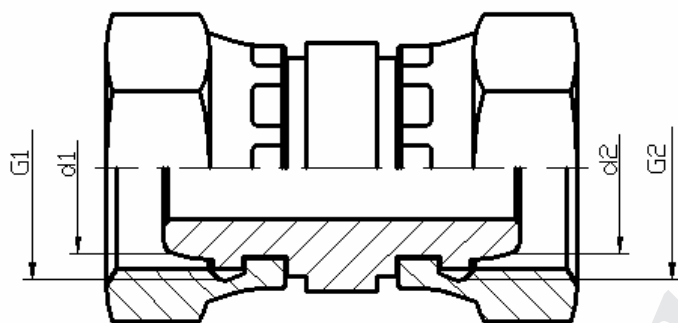
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | 400 | AA M14x1,5 6S |
| M16x1,5 | 8 | M16x1,5 | 8 | 400 | AA M16x1,5 8S |
| M18x1,5 | 10 | M18x1,5 | 10 | 350 | AA M18x1,5 10S |
| M20x1,5 | 12 | M20x1,5 | 12 | 330 | AA M20x1,5 12S |
| M22x1,5 | 14 | M22x1,5 | 14 | 330 | AA M22x1,5 14S |
| M24x1,5 | 16 | M24x1,5 | 16 | 275 | AA M24x1,5 16S |
| M30x2 | 20 | M30x2 | 20 | 250 | AA M30x2 20S |
| M36x2 | 25 | M36x2 | 25 | 215 | AA M36x2 25S |
| M42x2 | 30 | M42x2 | 30 | 165 | AA M42x2 30S |
| M52x2 | 38 | M52x2 | 38 | 125 | AA M52x2 38S |

ZŁĄCZKA PROSTA REDUKCYJNA NAKRĘTNA AA, METRYCZNA

Straight reducing swivel adaptor AA, metric

Штуцер редукционный с гайкой AA, метрический

AA M/M



PRZYKŁADY / EXAMPLE / Примеры

Wersja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|--------------------------------|
| M12x1,5 | 6 | M14x1,5 | 8 | 400 | AA M12x1,5/M14x1,5 6L/8L |
| M12x1,5 | 6 | M16x1,6 | 10 | 350 | AA M12x1,5/M16x1,5 6L/10L |
| M12x1,5 | 6 | M18x1,6 | 12 | 330 | AA M12x1,5/M18x1,5 6L/12L |
| M14x1,5 | 8 | M16x1,5 | 10 | 350 | AA M14x1,5/M16x1,5 8L/10L |
| M14x1,5 | 8 | M18x1,5 | 12 | 330 | AA M14x1,5/M18x1,5 8L/12L |
| M14x1,5 | 8 | M22x1,5 | 15/16 | 275 | AA M14x1,5/M22x1,5 8L/15(16)L |
| M16x1,5 | 10 | M18x1,5 | 12 | 330 | AA M16x1,5/M18x1,5 10L/12L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | AA M16x1,5/M22x1,5 10L/15(16)L |
| M16x1,5 | 10 | M26x1,5 | 18 | 250 | AA M16x1,5/M26x1,5 10L/18L |
| M16x1,5 | 10 | M27x2 | 18 | 250 | AA M16x1,5/M27x2 10L/18L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | AA M18x1,5/M22x1,5 12L/15(16)L |
| M18x1,5 | 12 | M26x1,5 | 18 | 250 | AA M18x1,5/M26x1,5 12L/18L |
| M18x1,5 | 12 | M27x2 | 18 | 250 | AA M18x1,5/M27x2 12L/18L |
| M18x1,5 | 12 | M30x2 | 22 | 215 | AA M18x1,5/M30x2 12L/22L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | AA M22x1,5/M26x1,5 15(16)L/18L |
| M22x1,5 | 15/16 | M27x2 | 18 | 250 | AA M22x1,5/M27x2 15(16)L/18L |
| M22x1,5 | 15/16 | M30x2 | 22 | 215 | AA M22x1,5/M30x2 15(16)L/22L |
| M22x1,5 | 15/16 | M36x2 | 28 | 165 | AA M22x1,5/M36x2 15(16)L/28L |
| M26x1,5 | 18 | M27x2 | 18 | 250 | AA M26x1,5/M27x2 18L/18L |
| M26x1,5 | 18 | M30x2 | 22 | 215 | AA M26x1,5/M30x2 18L/22L |
| M26x1,5 | 18 | M36x2 | 28 | 165 | AA M26x1,5/M36x2 18L/28L |
| M26x1,5 | 18 | M45x2 | 35 | 125 | AA M26x1,5/M45x2 18L/35L |
| M27x2 | 18 | M26x1,5 | 18 | 250 | AA M27x2/M26x1,5 18L/18L |
| M27x2 | 18 | M30x2 | 22 | 215 | AA M27x2/M30x2 18L/22L |
| M27x2 | 18 | M36x2 | 28 | 165 | AA M27x2/M36x2 18L/28L |
| M27x2 | 18 | M45x2 | 35 | 125 | AA M27x2/M45x2 18L/35L |
| M30x2 | 22 | M36x2 | 28 | 215 | AA M30x2/M36x2 22L/28L |
| M30x2 | 22 | M45x2 | 35 | 125 | AA M30x2/M45x2 22L/35L |
| M30x2 | 22 | M52x2 | 42 | 90 | AA M30x2/M52x2 22L/42L |
| M36x2 | 28 | M45x2 | 35 | 125 | AA M36x2/M45x2 28L/35L |
| M36x2 | 28 | M52x2 | 42 | 90 | AA M36x2/M52x2 28L/42L |
| M45x2 | 35 | M52x2 | 42 | 90 | AA M45x2/M52x2 35L/42L |



Wesja ciężka; Heavy version; Тяжёлая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|----------------------------|
| M14x1,5 | 6 | M16x1,5 | 8 | 400 | AA M14x1,5/M16x1,5 6S/8S |
| M14x1,5 | 6 | M18x1,5 | 10 | 350 | AA M14x1,5/M18x1,5 6S/10S |
| M14x1,5 | 6 | M20x1,5 | 12 | 330 | AA M14x1,5/M20x1,5 6S/12S |
| M14x1,5 | 6 | M22x1,5 | 14 | 330 | AA M14x1,5/M22x1,5 6S/14S |
| M16x1,5 | 8 | M18x1,5 | 10 | 350 | AA M16x1,5/M18x1,5 8S/10S |
| M16x1,5 | 8 | M20x1,5 | 12 | 330 | AA M16x1,5/M20x1,5 8S/12S |
| M16x1,5 | 8 | M22x1,5 | 14 | 330 | AA M16x1,5/M22x1,5 8S/14S |
| M16x1,5 | 8 | M24x1,5 | 16 | 275 | AA M16x1,5/M24x1,5 8S/16S |
| M18x1,5 | 10 | M20x1,5 | 12 | 330 | AA M18x1,5/M20x1,5 10S/12S |
| M18x1,5 | 10 | M22x1,5 | 14 | 330 | AA M18x1,5/M22x1,5 10S/14S |
| M18x1,5 | 10 | M24x1,5 | 16 | 275 | AA M18x1,5/M24x1,5 10S/16S |
| M18x1,5 | 10 | M30x2 | 20 | 250 | AA M18x1,5/M30x2 10S/20S |
| M20x1,5 | 12 | M22x1,5 | 14 | 330 | AA M20x1,5/M22x1,5 12S/14S |
| M20x1,5 | 12 | M24x1,5 | 16 | 275 | AA M20x1,5/M24x1,5 12S/16S |
| M20x1,5 | 12 | M30x2 | 20 | 250 | AA M20x1,5 /M30x2 12S/20S |
| M20x1,5 | 12 | M36x2 | 25 | 215 | AA M20x1,5/M36x2 12S/25S |
| M22x1,5 | 14 | M24x1,5 | 16 | 275 | AA M22x1,5/M24x1,5 14S/16S |
| M22x1,5 | 14 | M30x2 | 20 | 250 | AA M22x1,5/M30x2 14S/20S |
| M22x1,5 | 14 | M36x2 | 25 | 215 | AA M22x1,5/M36x2 14S/25S |
| M22x1,5 | 14 | M42x2 | 30 | 165 | AA M22x1,5/M42x2 14S/30S |
| M24x1,5 | 16 | M30x2 | 20 | 250 | AA M24x1,5/M30x2 16S/20S |
| M24x1,5 | 16 | M36x2 | 25 | 215 | AA M24x1,5/M36x2 16S/25S |
| M24x1,5 | 16 | M42x2 | 30 | 165 | AA M24x1,5/M42x2 16S/30S |
| M30x2 | 20 | M36x2 | 25 | 215 | AA M30x2/M36x2 20S/25S |
| M30x2 | 20 | M42x2 | 30 | 165 | AA M30x2/M42x2 20S/30S |
| M30x2 | 20 | M52x2 | 38 | 125 | AA M30x2/M52x2 20S/38S |
| M36x2 | 25 | M42x2 | 30 | 165 | AA M36x2/M42x2 25S/30S |
| M36x2 | 25 | M52x2 | 38 | 125 | AA M36x2/M52x2 25S/38S |
| M42x2 | 30 | M52x2 | 38 | 125 | AA M42x2/M52x2 30S/38S |

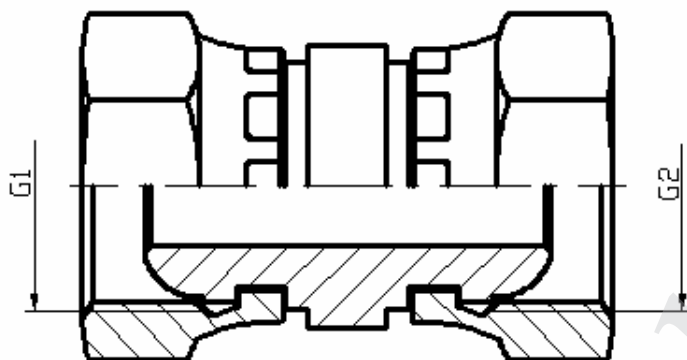
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA PROSTA NAKRĘTNA AA, CALOWA
Straight swivel adaptor AA, BSP / Штуцер с гайкой AA, дюймовый

AA BSP/BSP



| Gwint G1 [BSP] | Gwint G2 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|---------------------|
| G 1/4" | G 1/4" | 400 | AA 1/4" / 1/4" |
| G 1/4" | G 3/8" | 330 | AA 1/4" / 3/8" |
| G 1/4" | G 1/2" | 275 | AA 1/4" / 1/2" |
| G 3/8" | G 3/8" | 330 | AA 3/8" / 3/8" |
| G 3/8" | G 1/2" | 275 | AA 3/8" / 1/2" |
| G 3/8" | G 5/8" | 250 | AA 3/8" / 5/8" |
| G 1/2" | G 1/2" | 275 | AA 1/2" / 1/2" |
| G 1/2" | G 5/8" | 250 | AA 1/2" / 5/8" |
| G 1/2" | G 3/4" | 215 | AA 1/2" / 3/4" |
| G 5/8" | G 5/8" | 250 | AA 5/8" / 5/8" |
| G 5/8" | G 3/4" | 215 | AA 5/8" / 3/4" |
| G 5/8" | G 1" | 165 | AA 5/8" / 1" |
| G 3/4" | G 3/4" | 215 | AA 3/4" / 3/4" |
| G 3/4" | 1" | 165 | AA 3/4" / 1" |
| G 3/4" | G 1 1/4" | 125 | AA 3/4" / 1 1/4" |
| G 1" | G 1" | 165 | AA 1" / 1" |
| G 1" | G 1 1/4" | 125 | AA 1" / 1 1/4" |
| G 1" | G 1 1/2" | 90 | AA 1" / 1 1/2" |
| G 1 1/4" | G 1 1/4" | 125 | AA 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | 90 | AA 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | 90 | AA 1 1/2" / 1 1/2" |

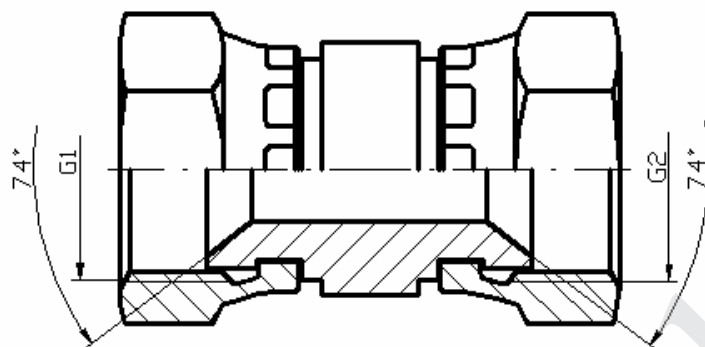
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA PROSTA NAKRĘTNA AA, UNF
Straight swivel adaptor AA, UNF / Штуцер с гайкой AA, UNF

AA UNF/UNF



| Gwint G1 [UNF] | Gwint G2 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|----------------|----------------|-----------------------------|--------------------------|
| 7/16"-20 | 7/16"-20 | 400 | AA UNF 7/16" / 7/16" |
| 7/16"-20 | 1/2"-20 | 350 | AA UNF 7/16" / 1/2" |
| 7/16"-20 | 9/16"-19 | 330 | AA UNF 7/16" / 9/16" |
| 1/2"-20 | 1/2"-20 | 350 | AA UNF 1/2" / 1/2" |
| 1/2"-20 | 9/16"-18 | 330 | AA UNF 1/2" / 9/16" |
| 1/2"-20 | 3/4"-16 | 275 | AA UNF 1/2" / 3/4" |
| 9/16-18 | 9/16-18 | 330 | AA UNF 9/16" / 9/16" |
| 9/16-18 | 3/4"-16 | 275 | AA UNF 9/16" / 3/4" |
| 9/16-18 | 7/8"-14 | 250 | AA UNF 9/16" / 7/8" |
| 3/4"-16 | 3/4"-16 | 275 | AA UNF 3/4" / 3/4" |
| 3/4"-16 | 7/8"-14 | 250 | AA UNF 3/4" / 7/8" |
| 3/4"-16 | 1 1/16"-12 | 215 | AA UNF 3/4" / 1 1/16" |
| 7/8"-14 | 7/8"-14 | 250 | AA UNF 7/8" / 7/8" |
| 7/8"-14 | 1 1/16"-12 | 215 | AA UNF 7/8" / 1 1/16" |
| 7/8"-14 | 1 5/16"-12 | 165 | AA UNF 7/8" / 1 5/16" |
| 1 1/16"-12 | 1 1/16"-12 | 215 | AA UNF 1 1/16" / 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 165 | AA UNF 1 1/16" / 1 5/16" |
| 1 1/16"-12 | 1 5/8"-12 | 125 | AA UNF 1 1/16" / 1 5/8" |
| 1 5/16"-12 | 1 5/16"-12 | 165 | AA UNF 1 5/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 125 | AA UNF 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 125 | AA UNF 1 5/8" / 1 5/8" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

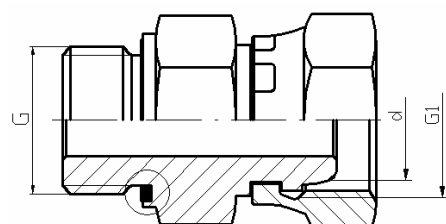
Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

PRZYŁĄCZKA PROSTA NAKRĘTNA BA z uszczelnieniem ED

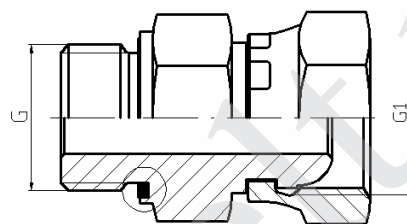
Straight swivel coupling BA, with ED seal

Штуцер с гайкой БА с резиновой подкладкой ЕД

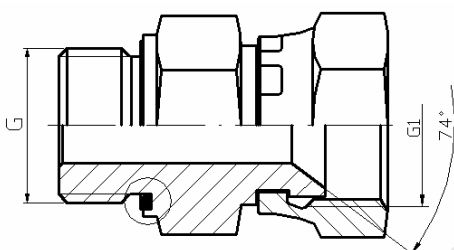
ZN-140 BA ED



**M/M
BSP/M**



**M/BSP
BSP/BSP**



**M/UNF
BSP/UNF**



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G | Gwint G1 | Max ciśnienie robocze [bar] | Symbol / Order code |
|------------|----------------|--------------------------------|-------------------------------------|
| M16x1,5 | M18x1,5 | 330 | ZN-140 BA M16x1,5 / M18x1,5 ED |
| M22x1,5 | M26x1,5 | 250 | ZN-140 BA M22x1,5 / M26x1,5 ED |
| 3/8" | M18x1,5 | 330 | ZN-140 BA BSP/M 3/8" / M18x1,5 ED |
| 1" | M36x2 | 165 | ZN-140 BA BSP/M 1"/M36x2 ED |
| M33x2 | 1 1/4" | 125 | ZN-140 BA M/BSP M33x2 / 1 1/4" ED |
| M12x1,5 | 1/4" | 400 | ZN-140 BA M/BSP M12x1,5 / 1/4" ED |
| 3/8" | 3/8" | 330 | ZN-140 BA BSP/BSP 3/8" / 3/8" ED |
| 1/2" | 3/4" | 215 | ZN-140 BA BSP/BSP 1/2" / 3/4" ED |
| M16x1,5 | 9/16"-18 UNF | 330 | ZN-140 BA M/UNF M16x1,5 / 9/16" ED |
| M27x2 | 1 1/16"-12 UNF | 215 | ZN-140 BA M/UNF M27x2 / 1 1/16" ED |
| 1/2" | 7/8"-14 UNF | 250 | ZN-140 BA BSP/UNF 1/2" / 7/8" ED |
| 3/4" | 1 5/16"-12 UNF | 165 | ZN-140 BA BSP/UNF 3/4" / 1 5/16" ED |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

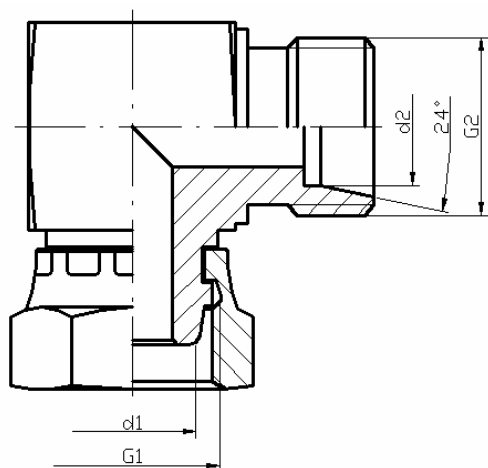
Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AB, METRYCZNA

Elbow swivel adaptor AB, metric

Штуцер угловой с гайкой АБ, метрический

AB 90 M/M



Wesja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | 400 | AB90 M12x1,5 6L |
| M14x1,5 | 8 | M14x1,5 | 8 | 400 | AB90 M14x1,5 8L |
| M16x1,5 | 10 | M16x1,5 | 10 | 350 | AB90 M16x1,5 10L |
| M18x1,5 | 12 | M18x1,5 | 12 | 330 | AB90 M18x1,5 12L |
| M22x1,5 | 15 | M22x1,5 | 15 | 275 | AB90 M22x1,5 15L |
| M22x1,5 | 16 | M22x1,5 | 16 | 275 | AB90 M22x1,5 16L |
| M26x1,5 | 18 | M26x1,5 | 18 | 250 | AB90 M26x1,5 18L |
| M27x1,5 | 18 | M27x1,5 | 18 | 250 | AB M27x1,5 18L |
| M27x2 | 18 | M27x2 | 18 | 250 | AB90 M27x2 18L |
| M30x2 | 22 | M30x2 | 22 | 215 | AB90 M30x2 22L |
| M36x2 | 28 | M36x2 | 28 | 165 | AB90 M36x2 28L |
| M45x2 | 35 | M45x2 | 35 | 125 | AB90 M45x2 35L |
| M52x2 | 42 | M52x2 | 42 | 90 | AB90 M52x2 42L |

Wesja ciężka; Heavy version; Тяжёлая версия

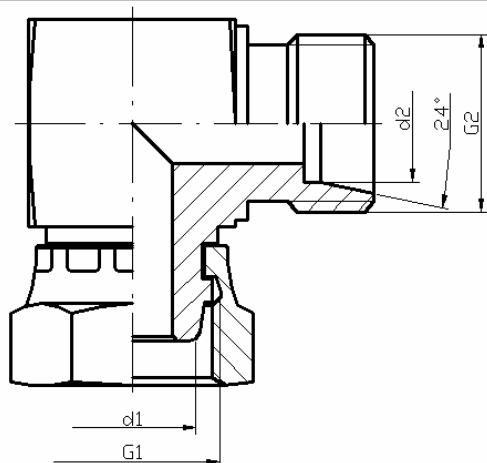
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | 400 | AB90 M14x1,5 6S |
| M16x1,5 | 8 | M16x1,5 | 8 | 400 | AB90 M16x1,5 8S |
| M18x1,5 | 10 | M18x1,5 | 10 | 350 | AB90 M18x1,5 10S |
| M20x1,5 | 12 | M20x1,5 | 12 | 330 | AB90 M20x1,5 12S |
| M22x1,5 | 14 | M22x1,5 | 14 | 330 | AB90 M22x1,5 14S |
| M24x1,5 | 16 | M24x1,5 | 16 | 275 | AB90 M24x1,5 16S |
| M30x2 | 20 | M30x2 | 20 | 250 | AB90 M30x2 20S |
| M36x2 | 25 | M36x2 | 25 | 215 | AB90 M36x2 25S |
| M42x2 | 30 | M42x2 | 30 | 165 | AB90 M42x2 30S |
| M52x2 | 38 | M52x2 | 38 | 125 | AB90 M52x2 38S |

ZŁĄCZKA KOLANKOWA REDUKCYJNA NAKRĘTNA AB, METRYCZNA

Elbow reducing swivel adaptor AB, metric

Штуцер угловой редукционный с гайкой АБ, метрический

AB 90 M/M



PRZYKŁADY / EXAMPLE / Примеры

Wersja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|----------------------------------|
| M12x1,5 | 6 | M14x1,5 | 8 | 400 | AB90 M12x1,5/M14x1,5 6L/8L |
| M12x1,5 | 6 | M16x1,6 | 10 | 350 | AB90 M12x1,5/M16x1,5 6L/10L |
| M12x1,5 | 6 | M18x1,6 | 12 | 330 | AB90 M12x1,5/M18x1,5 6L/12L |
| M14x1,5 | 8 | M16x1,5 | 10 | 350 | AB90 M14x1,5/M16x1,5 8L/10L |
| M14x1,5 | 8 | M18x1,5 | 12 | 330 | AB90 M14x1,5/M18x1,5 8L/12L |
| M14x1,5 | 8 | M22x1,5 | 15/16 | 275 | AB90 M14x1,5/M22x1,5 8L/15(16)L |
| M16x1,5 | 10 | M18x1,5 | 12 | 330 | AB90 M16x1,5/M18x1,5 10L/12L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | AB90 M16x1,5/M22x1,5 10L/15(16)L |
| M16x1,5 | 10 | M26x1,5 | 18 | 250 | AB90 M16x1,5/M26x1,5 10L/18L |
| M16x1,5 | 10 | M27x2 | 18 | 250 | AB90 M16x1,5/M27x2 10L/18L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | AB90 M18x1,5/M22x1,5 12L/15(16)L |
| M18x1,5 | 12 | M26x1,5 | 18 | 250 | AB90 M18x1,5/M26x1,5 12L/18L |
| M18x1,5 | 12 | M27x2 | 18 | 250 | AB90 M18x1,5/M27x2 12L/18L |
| M18x1,5 | 12 | M30x2 | 22 | 215 | AB90 M18x1,5/M30x2 12L/22L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | AB90 M22x1,5/M26x1,5 15(16)L/18L |
| M22x1,5 | 15/16 | M27x2 | 18 | 250 | AB90 M22x1,5/M27x2 15(16)L/18L |
| M22x1,5 | 15/16 | M30x2 | 22 | 215 | AB90 M22x1,5/M30x2 15(16)L/22L |
| M22x1,5 | 15/16 | M36x2 | 28 | 165 | AB90 M22x1,5/M36x2 15(16)L/28L |
| M26x1,5 | 18 | M27x2 | 18 | 250 | AB90 M26x1,5/M27x2 18L/18L |
| M26x1,5 | 18 | M30x2 | 22 | 215 | AB90 M26x1,5/M30x2 18L/22L |
| M26x1,5 | 18 | M36x2 | 28 | 165 | AB90 M26x1,5/M36x2 18L/28L |
| M26x1,5 | 18 | M45x2 | 35 | 125 | AB90 M26x1,5/M45x2 18L/35L |
| M27x2 | 18 | M26x1,5 | 18 | 250 | AB90 M27x2/M26x1,5 18L/18L |
| M27x2 | 18 | M30x2 | 22 | 215 | AB90 M27x2/M30x2 18L/22L |
| M27x2 | 18 | M36x2 | 28 | 165 | AB90 M27x2/M36x2 18L/28L |
| M27x2 | 18 | M45x2 | 35 | 125 | AB90 M27x2/M45x2 18L/35L |
| M30x2 | 22 | M36x2 | 28 | 215 | AB90 M30x2/M36x2 22L/28L |
| M30x2 | 22 | M45x2 | 35 | 125 | AB90 M30x2/M45x2 22L/35L |
| M30x2 | 22 | M52x2 | 42 | 90 | AB90 M30x2/M52x2 22L/42L |
| M36x2 | 28 | M45x2 | 35 | 125 | AB90 M36x2/M45x2 28L/35L |
| M36x2 | 28 | M52x2 | 42 | 90 | AB90 M36x2/M52x2 28L/42L |
| M45x2 | 35 | M52x2 | 42 | 90 | AB90 M45x2/M52x2 35L/42L |

Wesja ciężka; Heavy version; Тяжёлая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|------------------------------|
| M14x1,5 | 6 | M16x1,5 | 8 | 400 | AB90 M14x1,5/M16x1,5 6S/8S |
| M14x1,5 | 6 | M18x1,5 | 10 | 350 | AB90 M14x1,5/M18x1,5 6S/10S |
| M14x1,5 | 6 | M20x1,5 | 12 | 330 | AB90 M14x1,5/M20x1,5 6S/12S |
| M14x1,5 | 6 | M22x1,5 | 14 | 330 | AB90 M14x1,5/M22x1,5 6S/14S |
| M16x1,5 | 8 | M18x1,5 | 10 | 350 | AB90 M16x1,5/M18x1,5 8S/10S |
| M16x1,5 | 8 | M20x1,5 | 12 | 330 | AB90 M16x1,5/M20x1,5 8S/12S |
| M16x1,5 | 8 | M22x1,5 | 14 | 330 | AB90 M16x1,5/M22x1,5 8S/14S |
| M16x1,5 | 8 | M24x1,5 | 16 | 275 | AB90 M16x1,5/M24x1,5 8S/16S |
| M18x1,5 | 10 | M20x1,5 | 12 | 330 | AB90 M18x1,5/M20x1,5 10S/12S |
| M18x1,5 | 10 | M22x1,5 | 14 | 330 | AB90 M18x1,5/M22x1,5 10S/14S |
| M18x1,5 | 10 | M24x1,5 | 16 | 275 | AB90 M18x1,5/M24x1,5 10S/16S |
| M18x1,5 | 10 | M30x2 | 20 | 250 | AB90 M18x1,5/M30x2 10S/20S |
| M20x1,5 | 12 | M22x1,5 | 14 | 330 | AB90 M20x1,5/M22x1,5 12S/14S |
| M20x1,5 | 12 | M24x1,5 | 16 | 275 | AB90 M20x1,5/M24x1,5 12S/16S |
| M20x1,5 | 12 | M30x2 | 20 | 250 | AB90 M20x1,5 /M30x2 12S/20S |
| M20x1,5 | 12 | M36x2 | 25 | 215 | AB90 M20x1,5/M36x2 12S/25S |
| M22x1,5 | 14 | M24x1,5 | 16 | 275 | AB90 M22x1,5/M24x1,5 14S/16S |
| M22x1,5 | 14 | M30x2 | 20 | 250 | AB90 M22x1,5/M30x2 14S/20S |
| M22x1,5 | 14 | M36x2 | 25 | 215 | AB90 M22x1,5/M36x2 14S/25S |
| M22x1,5 | 14 | M42x2 | 30 | 165 | AB90 M22x1,5/M42x2 14S/30S |
| M24x1,5 | 16 | M30x2 | 20 | 250 | AB90 M24x1,5/M30x2 16S/20S |
| M24x1,5 | 16 | M36x2 | 25 | 215 | AB90 M24x1,5/M36x2 16S/25S |
| M24x1,5 | 16 | M42x2 | 30 | 165 | AB90 M24x1,5/M42x2 16S/30S |
| M30x2 | 20 | M36x2 | 25 | 215 | AB90 M30x2/M36x2 20S/25S |
| M30x2 | 20 | M42x2 | 30 | 165 | AB90 M30x2/M42x2 20S/30S |
| M30x2 | 20 | M52x2 | 38 | 125 | AB90 M30x2/M52x2 20S/38S |
| M36x2 | 25 | M42x2 | 30 | 165 | AB90 M36x2/M42x2 25S/30S |
| M36x2 | 25 | M52x2 | 38 | 125 | AB90 M36x2/M52x2 25S/38S |
| M42x2 | 30 | M52x2 | 38 | 125 | AB90 M42x2/M52x2 30S/38S |

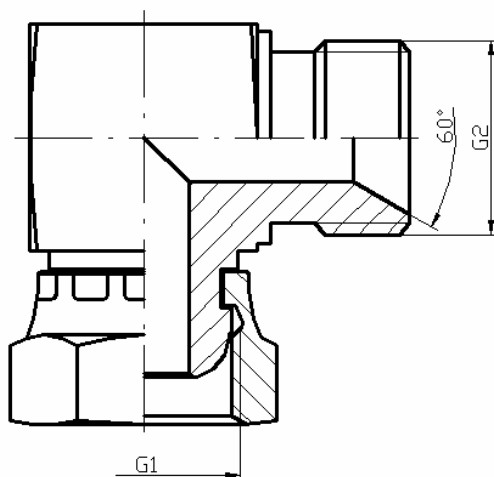
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AB, CALOWA
Elbow swivel adaptor AB, BSP / Штуцер угловой с гайкой АБ, дюймовый

AB 90 BSP/BSP



| Gwint G1 [BSP] | Gwint G2 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|----------------------|
| G 1/4" | G 1/4" | 400 | AB90 1/4" / 1/4" |
| G 1/4" | G 3/8" | 330 | AB90 1/4" / 3/8" |
| G 1/4" | G 1/2" | 275 | AB90 1/4" / 1/2" |
| G 3/8" | G 3/8" | 330 | AB90 3/8" / 3/8" |
| G 3/8" | G 1/2" | 275 | AB90 3/8" / 1/2" |
| G 3/8" | G 5/8" | 250 | AB90 3/8" / 5/8" |
| G 1/2" | G 1/2" | 275 | AB90 1/2" / 1/2" |
| G 1/2" | G 5/8" | 250 | AB90 1/2" / 5/8" |
| G 1/2" | G 3/4" | 215 | AB90 1/2" / 3/4" |
| G 5/8" | G 5/8" | 250 | AB90 5/8" / 5/8" |
| G 5/8" | G 3/4" | 215 | AB90 5/8" / 3/4" |
| G 5/8" | G 1" | 165 | AB90 5/8" / 1" |
| G 3/4" | G 3/4" | 215 | AB90 3/4" / 3/4" |
| G 3/4" | 1" | 165 | AB90 3/4" / 1" |
| G 3/4" | G 1 1/4" | 125 | AB90 3/4" / 1 1/4" |
| G 1" | G 1" | 165 | AB90 1" / 1" |
| G 1" | G 1 1/4" | 125 | AB90 1" / 1 1/4" |
| G 1" | G 1 1/2" | 90 | AB90 1" / 1 1/2" |
| G 1 1/4" | G 1 1/4" | 125 | AB90 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | 90 | AB90 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | 90 | AB90 1 1/2" / 1 1/2" |

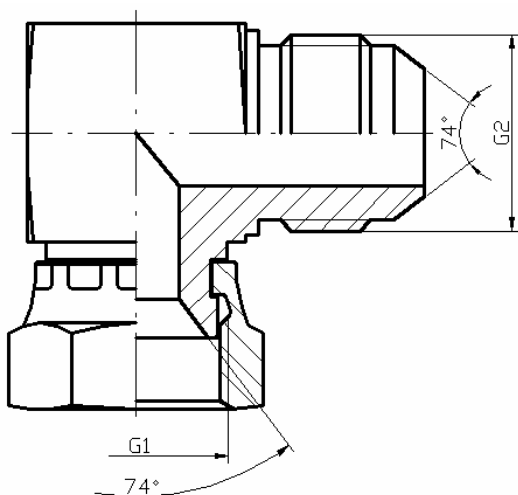
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AB, UNF
Elbow swivel adaptor AB, UNF / Штуцер угловой с гайкой АБ, UNF

AB 90 UNF/UNF



| Gwint G1 [UNF] | Gwint G2 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|----------------|----------------|-----------------------------|----------------------------|
| 7/16"-20 | 7/16"-20 | 400 | AB90 UNF 7/16" / 7/16" |
| 7/16"-20 | 1/2"-20 | 350 | AB90 UNF 7/16" / 1/2" |
| 7/16"-20 | 9/16"-19 | 330 | AB90 UNF 7/16" / 9/16" |
| 1/2"-20 | 1/2"-20 | 350 | AB90 UNF 1/2" / 1/2" |
| 1/2"-20 | 9/16"-18 | 330 | AB90 UNF 1/2" / 9/16" |
| 1/2"-20 | 3/4"-16 | 275 | AB90 UNF 1/2" / 3/4" |
| 9/16"-18 | 9/16"-18 | 330 | AB90 UNF 9/16" / 9/16" |
| 9/16"-18 | 3/4"-16 | 275 | AB90 UNF 9/16" / 3/4" |
| 9/16"-18 | 7/8"-14 | 250 | AB90 UNF 9/16" / 7/8" |
| 3/4"-16 | 3/4"-16 | 275 | AB90 UNF 3/4" / 3/4" |
| 3/4"-16 | 7/8"-14 | 250 | AB90 UNF 3/4" / 7/8" |
| 3/4"-16 | 1 1/16"-12 | 215 | AB90 UNF 3/4" / 1 1/16" |
| 7/8"-14 | 7/8"-14 | 250 | AB90 UNF 7/8" / 7/8" |
| 7/8"-14 | 1 1/16"-12 | 215 | AB90 UNF 7/8" / 1 1/16" |
| 7/8"-14 | 1 5/16"-12 | 165 | AB90 UNF 7/8" / 1 5/16" |
| 1 1/16"-12 | 1 1/16"-12 | 215 | AB90 UNF 1 1/16" / 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 165 | AB90 UNF 1 1/16" / 1 5/16" |
| 1 1/16"-12 | 1 5/8"-12 | 125 | AB90 UNF 1 1/16" / 1 5/8" |
| 1 5/16"-12 | 1 5/16"-12 | 165 | AB90 UNF 1 5/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 125 | AB90 UNF 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 125 | AB90 UNF 1 5/8" / 1 5/8" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

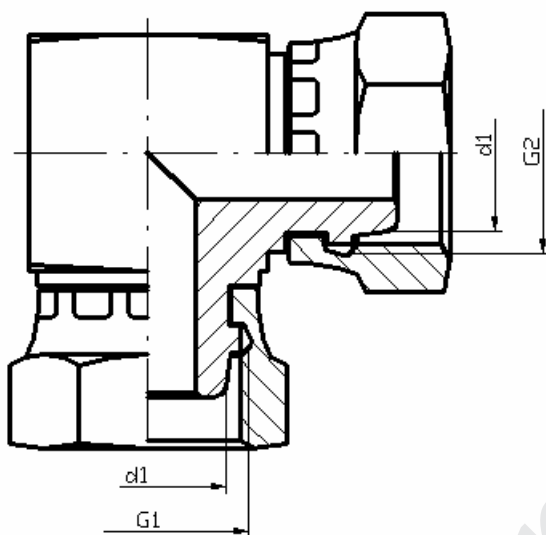
Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AA, METRYCZNA

Elbow swivel adaptor AA, metric

Штуцер угловой с гайкой AA, метрический

AA 90 M/M



Wesja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | 400 | AA90 M12x1,5 6L |
| M14x1,5 | 8 | M14x1,5 | 8 | 400 | AA90 M14x1,5 8L |
| M16x1,5 | 10 | M16x1,5 | 10 | 350 | AA90 M16x1,5 10L |
| M18x1,5 | 12 | M18x1,5 | 12 | 330 | AA90 M18x1,5 12L |
| M22x1,5 | 15 | M22x1,5 | 15 | 275 | AA90 M22x1,5 15L |
| M22x1,5 | 16 | M22x1,5 | 16 | 275 | AA90 M22x1,5 16L |
| M26x1,5 | 18 | M26x1,5 | 18 | 250 | AA90 M26x1,5 18L |
| M27x1,5 | 18 | M27x1,5 | 18 | 250 | AB M27x1,5 18L |
| M27x2 | 18 | M27x2 | 18 | 250 | AA90 M27x2 18L |
| M30x2 | 22 | M30x2 | 22 | 215 | AA90 M30x2 22L |
| M36x2 | 28 | M36x2 | 28 | 165 | AA90 M36x2 28L |
| M45x2 | 35 | M45x2 | 35 | 125 | AA90 M45x2 35L |
| M52x2 | 42 | M52x2 | 42 | 90 | AA90 M52x2 42L |

Wesja ciężka; Heavy version; Тяжёлая версия

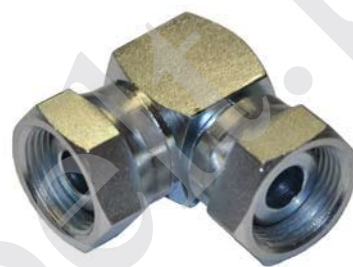
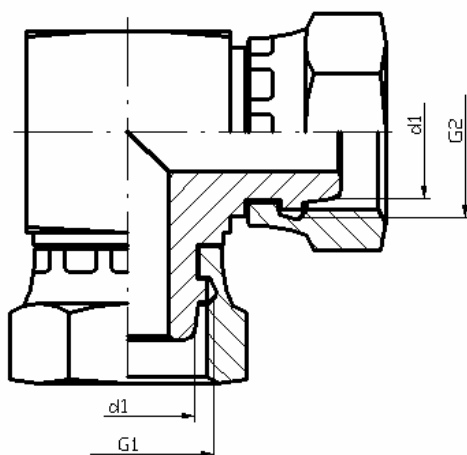
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|---------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | 400 | AA90 M14x1,5 6S |
| M16x1,5 | 8 | M16x1,5 | 8 | 400 | AA90 M16x1,5 8S |
| M18x1,5 | 10 | M18x1,5 | 10 | 350 | AA90 M18x1,5 10S |
| M20x1,5 | 12 | M20x1,5 | 12 | 330 | AA90 M20x1,5 12S |
| M22x1,5 | 14 | M22x1,5 | 14 | 330 | AA90 M22x1,5 14S |
| M24x1,5 | 16 | M24x1,5 | 16 | 275 | AA90 M24x1,5 16S |
| M30x2 | 20 | M30x2 | 20 | 250 | AA90 M30x2 20S |
| M36x2 | 25 | M36x2 | 25 | 215 | AA90 M36x2 25S |
| M42x2 | 30 | M42x2 | 30 | 165 | AA90 M42x2 30S |
| M52x2 | 38 | M52x2 | 38 | 125 | AA90 M52x2 38S |

ZŁĄCZKA KOLANKOWA REDUKCYJNA NAKRĘTNA AA, METRYCZNA

Elbow reducing swivel adaptor AA, metric

Штуцер угловой редукционный с гайкой AA, метрический

AA 90 M/M



PRZYKŁADY / EXAMPLE / Примеры

Wersja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|----------------------------------|
| M12x1,5 | 6 | M14x1,5 | 8 | 400 | AA90 M12x1,5/M14x1,5 6L/8L |
| M12x1,5 | 6 | M16x1,6 | 10 | 350 | AA90 M12x1,5/M16x1,5 6L/10L |
| M12x1,5 | 6 | M18x1,6 | 12 | 330 | AA90 M12x1,5/M18x1,5 6L/12L |
| M14x1,5 | 8 | M16x1,5 | 10 | 350 | AA90 M14x1,5/M16x1,5 8L/10L |
| M14x1,5 | 8 | M18x1,5 | 12 | 330 | AA90 M14x1,5/M18x1,5 8L/12L |
| M14x1,5 | 8 | M22x1,5 | 15/16 | 275 | AA90 M14x1,5/M22x1,5 8L/15(16)L |
| M16x1,5 | 10 | M18x1,5 | 12 | 330 | AA90 M16x1,5/M18x1,5 10L/12L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | AA90 M16x1,5/M22x1,5 10L/15(16)L |
| M16x1,5 | 10 | M26x1,5 | 18 | 250 | AA90 M16x1,5/M26x1,5 10L/18L |
| M16x1,5 | 10 | M27x2 | 18 | 250 | AA90 M16x1,5/M27x2 10L/18L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | AA90 M18x1,5/M22x1,5 12L/15(16)L |
| M18x1,5 | 12 | M26x1,5 | 18 | 250 | AA90 M18x1,5/M26x1,5 12L/18L |
| M18x1,5 | 12 | M27x2 | 18 | 250 | AA90 M18x1,5/M27x2 12L/18L |
| M18x1,5 | 12 | M30x2 | 22 | 215 | AA90 M18x1,5/M30x2 12L/22L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | AA90 M22x1,5/M26x1,5 15(16)L/18L |
| M22x1,5 | 15/16 | M27x2 | 18 | 250 | AA90 M22x1,5/M27x2 15(16)L/18L |
| M22x1,5 | 15/16 | M30x2 | 22 | 215 | AA90 M22x1,5/M30x2 15(16)L/22L |
| M22x1,5 | 15/16 | M36x2 | 28 | 165 | AA90 M22x1,5/M36x2 15(16)L/28L |
| M26x1,5 | 18 | M27x2 | 18 | 250 | AA90 M26x1,5/M27x2 18L/18L |
| M26x1,5 | 18 | M30x2 | 22 | 215 | AA90 M26x1,5/M30x2 18L/22L |
| M26x1,5 | 18 | M36x2 | 28 | 165 | AA90 M26x1,5/M36x2 18L/28L |
| M26x1,5 | 18 | M45x2 | 35 | 125 | AA90 M26x1,5/M45x2 18L/35L |
| M27x2 | 18 | M26x1,5 | 18 | 250 | AA90 M27x2/M26x1,5 18L/18L |
| M27x2 | 18 | M30x2 | 22 | 215 | AA90 M27x2/M30x2 18L/22L |
| M27x2 | 18 | M36x2 | 28 | 165 | AA90 M27x2/M36x2 18L/28L |
| M27x2 | 18 | M45x2 | 35 | 125 | AA90 M27x2/M45x2 18L/35L |
| M30x2 | 22 | M36x2 | 28 | 215 | AA90 M30x2/M36x2 22L/28L |
| M30x2 | 22 | M45x2 | 35 | 125 | AA90 M30x2/M45x2 22L/35L |
| M30x2 | 22 | M52x2 | 42 | 90 | AA90 M30x2/M52x2 22L/42L |
| M36x2 | 28 | M45x2 | 35 | 125 | AA90 M36x2/M45x2 28L/35L |
| M36x2 | 28 | M52x2 | 42 | 90 | AA90 M36x2/M52x2 28L/42L |
| M45x2 | 35 | M52x2 | 42 | 90 | AA90 M45x2/M52x2 35L/42L |

Wesja ciężka; Heavy version; Тяжёлая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|--------------------------------|------------------------------|
| M14x1,5 | 6 | M16x1,5 | 8 | 400 | AA90 M14x1,5/M16x1,5 6S/8S |
| M14x1,5 | 6 | M18x1,5 | 10 | 350 | AA90 M14x1,5/M18x1,5 6S/10S |
| M14x1,5 | 6 | M20x1,5 | 12 | 330 | AA90 M14x1,5/M20x1,5 6S/12S |
| M14x1,5 | 6 | M22x1,5 | 14 | 330 | AA90 M14x1,5/M22x1,5 6S/14S |
| M16x1,5 | 8 | M18x1,5 | 10 | 350 | AA90 M16x1,5/M18x1,5 8S/10S |
| M16x1,5 | 8 | M20x1,5 | 12 | 330 | AA90 M16x1,5/M20x1,5 8S/12S |
| M16x1,5 | 8 | M22x1,5 | 14 | 330 | AA90 M16x1,5/M22x1,5 8S/14S |
| M16x1,5 | 8 | M24x1,5 | 16 | 275 | AA90 M16x1,5/M24x1,5 8S/16S |
| M18x1,5 | 10 | M20x1,5 | 12 | 330 | AA90 M18x1,5/M20x1,5 10S/12S |
| M18x1,5 | 10 | M22x1,5 | 14 | 330 | AA90 M18x1,5/M22x1,5 10S/14S |
| M18x1,5 | 10 | M24x1,5 | 16 | 275 | AA90 M18x1,5/M24x1,5 10S/16S |
| M18x1,5 | 10 | M30x2 | 20 | 250 | AA90 M18x1,5/M30x2 10S/20S |
| M20x1,5 | 12 | M22x1,5 | 14 | 330 | AA90 M20x1,5/M22x1,5 12S/14S |
| M20x1,5 | 12 | M24x1,5 | 16 | 275 | AA90 M20x1,5/M24x1,5 12S/16S |
| M20x1,5 | 12 | M30x2 | 20 | 250 | AA90 M20x1,5 /M30x2 12S/20S |
| M20x1,5 | 12 | M36x2 | 25 | 215 | AA90 M20x1,5/M36x2 12S/25S |
| M22x1,5 | 14 | M24x1,5 | 16 | 275 | AA90 M22x1,5/M24x1,5 14S/16S |
| M22x1,5 | 14 | M30x2 | 20 | 250 | AA90 M22x1,5/M30x2 14S/20S |
| M22x1,5 | 14 | M36x2 | 25 | 215 | AA90 M22x1,5/M36x2 14S/25S |
| M22x1,5 | 14 | M42x2 | 30 | 165 | AA90 M22x1,5/M42x2 14S/30S |
| M24x1,5 | 16 | M30x2 | 20 | 250 | AA90 M24x1,5/M30x2 16S/20S |
| M24x1,5 | 16 | M36x2 | 25 | 215 | AA90 M24x1,5/M36x2 16S/25S |
| M24x1,5 | 16 | M42x2 | 30 | 165 | AA90 M24x1,5/M42x2 16S/30S |
| M30x2 | 20 | M36x2 | 25 | 215 | AA90 M30x2/M36x2 20S/25S |
| M30x2 | 20 | M42x2 | 30 | 165 | AA90 M30x2/M42x2 20S/30S |
| M30x2 | 20 | M52x2 | 38 | 125 | AA90 M30x2/M52x2 20S/38S |
| M36x2 | 25 | M42x2 | 30 | 165 | AA90 M36x2/M42x2 25S/30S |
| M36x2 | 25 | M52x2 | 38 | 125 | AA90 M36x2/M52x2 25S/38S |
| M42x2 | 30 | M52x2 | 38 | 125 | AA90 M42x2/M52x2 30S/38S |

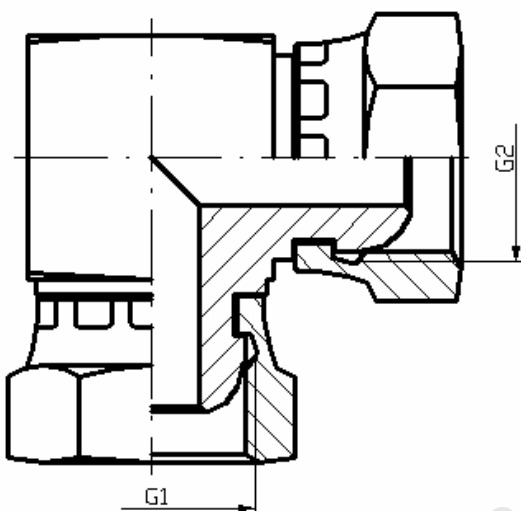
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AA, CALOWA
Elbow swivel adaptor AA, BSP / Штуцер угловой с гайкой AA, дюймовый

AA 90 BSP/BSP



| Gwint G1 [BSP] | Gwint G2 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|----------------------|
| G 1/4" | G 1/4" | 400 | AA90 1/4" / 1/4" |
| G 1/4" | G 3/8" | 330 | AA90 1/4" / 3/8" |
| G 1/4" | G 1/2" | 275 | AA90 1/4" / 1/2" |
| G 3/8" | G 3/8" | 330 | AA90 3/8" / 3/8" |
| G 3/8" | G 1/2" | 275 | AA90 3/8" / 1/2" |
| G 3/8" | G 5/8" | 250 | AA90 3/8" / 5/8" |
| G 1/2" | G 1/2" | 275 | AA90 1/2" / 1/2" |
| G 1/2" | G 5/8" | 250 | AA90 1/2" / 5/8" |
| G 1/2" | G 3/4" | 215 | AA90 1/2" / 3/4" |
| G 5/8" | G 5/8" | 250 | AA90 5/8" / 5/8" |
| G 5/8" | G 3/4" | 215 | AA90 5/8" / 3/4" |
| G 5/8" | G 1" | 165 | AA90 5/8" / 1" |
| G 3/4" | G 3/4" | 215 | AA90 3/4" / 3/4" |
| G 3/4" | 1" | 165 | AA90 3/4" / 1" |
| G 3/4" | G 1 1/4" | 125 | AA90 3/4" / 1 1/4" |
| G 1" | G 1" | 165 | AA90 1" / 1" |
| G 1" | G 1 1/4" | 125 | AA90 1" / 1 1/4" |
| G 1" | G 1 1/2" | 90 | AA90 1" / 1 1/2" |
| G 1 1/4" | G 1 1/4" | 125 | AA90 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | 90 | AA90 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | 90 | AA90 1 1/2" / 1 1/2" |

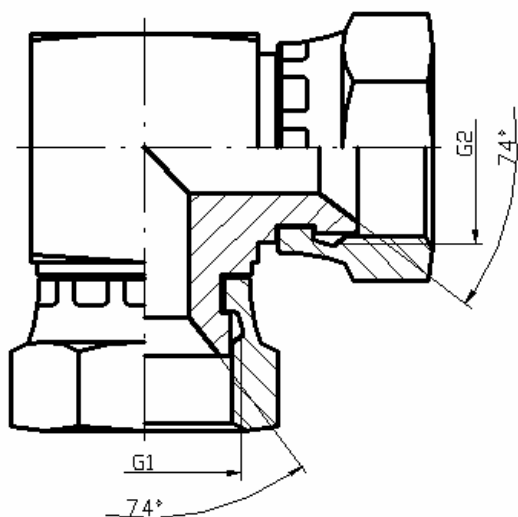
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA KOLANKOWA NAKRĘTNA AA, UNF
Elbow swivel adaptor AA, UNF / Штуцер угловой с гайкой AA, UNF

AA 90 UNF/UNF



| Gwint G1 [UNF] | Gwint G2 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|--------------------------------|----------------------------|
| 7/16"-20 | 7/16"-20 | 400 | AA90 UNF 7/16" / 7/16" |
| 7/16"-20 | 1/2"-20 | 350 | AA90 UNF 7/16" / 1/2" |
| 7/16"-20 | 9/16"-19 | 330 | AA90 UNF 7/16" / 9/16" |
| 1/2"-20 | 1/2"-20 | 350 | AA90 UNF 1/2" / 1/2" |
| 1/2"-20 | 9/16"-18 | 330 | AA90 UNF 1/2" / 9/16" |
| 1/2"-20 | 3/4"-16 | 275 | AA90 UNF 1/2" / 3/4" |
| 9/16"-18 | 9/16"-18 | 330 | AA90 UNF 9/16" / 9/16" |
| 9/16"-18 | 3/4"-16 | 275 | AA90 UNF 9/16" / 3/4" |
| 9/16"-18 | 7/8"-14 | 250 | AA90 UNF 9/16" / 7/8" |
| 3/4"-16 | 3/4"-16 | 275 | AA90 UNF 3/4" / 3/4" |
| 3/4"-16 | 7/8"-14 | 250 | AA90 UNF 3/4" / 7/8" |
| 3/4"-16 | 1 1/16"-12 | 215 | AA90 UNF 3/4" / 1 1/16" |
| 7/8"-14 | 7/8"-14 | 250 | AA90 UNF 7/8" / 7/8" |
| 7/8"-14 | 1 1/16"-12 | 215 | AA90 UNF 7/8" / 1 1/16" |
| 7/8"-14 | 1 5/16"-12 | 165 | AA90 UNF 7/8" / 1 5/16" |
| 1 1/16"-12 | 1 1/16"-12 | 215 | AA90 UNF 1 1/16" / 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 165 | AA90 UNF 1 1/16" / 1 5/16" |
| 1 1/16"-12 | 1 5/8"-12 | 125 | AA90 UNF 1 1/16" / 1 5/8" |
| 1 5/16"-12 | 1 5/16"-12 | 165 | AA90 UNF 1 5/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 125 | AA90 UNF 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 125 | AA90 UNF 1 5/8" / 1 5/8" |

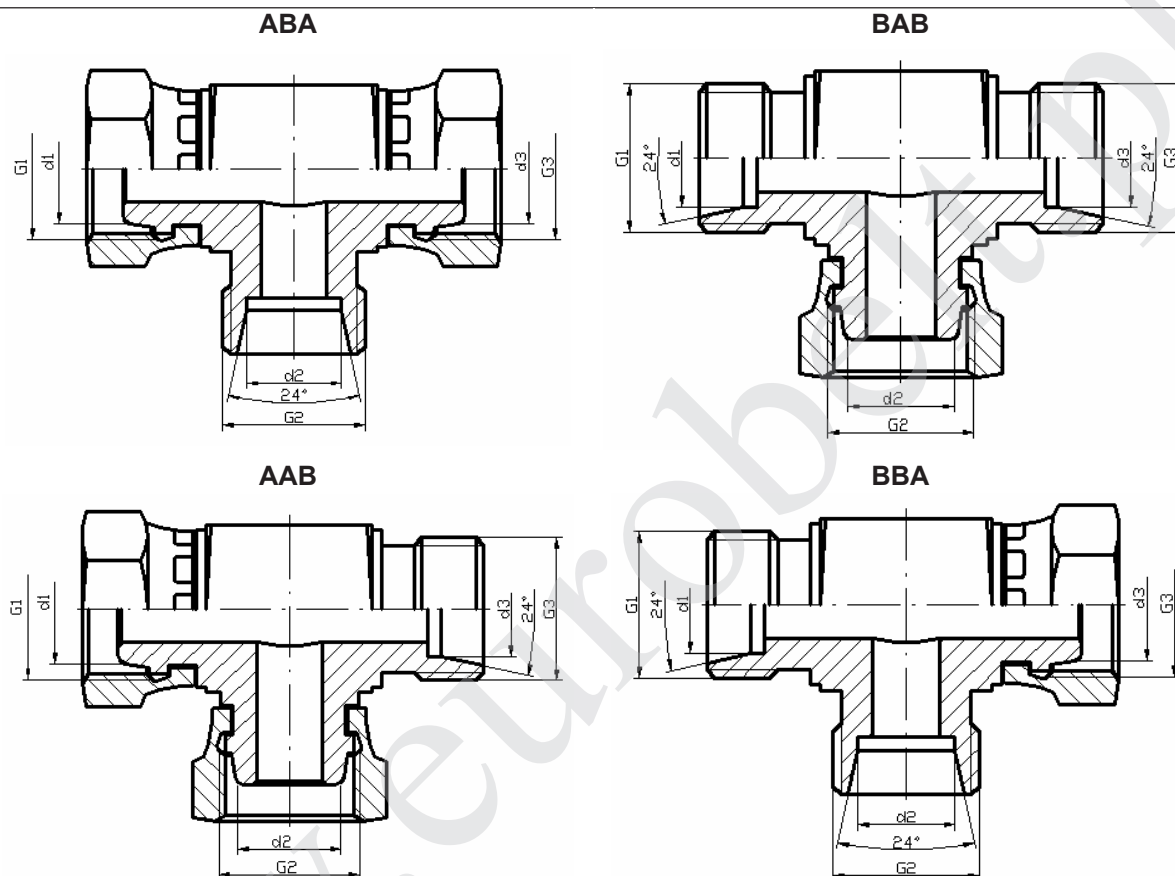
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA, METRYCZNA
Tees swivel adaptor, metric / Тройник с гайкой, метрический

ABA; BAB; AAB; BBA M/M/M



PRZYKŁADY / EXAMPLE / Примеры

Wesja lekka; Light version; Легкая версия

... - ABA; BAB; AAB; BBA

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Gwint G3 | d3 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|-------------|------------|--------------------------------|-------------------------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | M12x1,5 | 6 | 400 | ... M12x1,5 6L |
| M12x1,5 | 6 | M14x1,5 | 8 | M12x1,5 | 6 | 400 | ... M12/M14/M16 6L/8L/6L |
| M12x1,5 | 6 | M16x1,5 | 10 | M12x1,5 | 6 | 350 | ... M12/M16/M12 6L/10L/6L |
| M14x1,5 | 8 | M12x1,5 | 6 | M14x1,5 | 8 | 400 | ... M14/M12/M14 8L/6L/8L |
| M14x1,5 | 8 | M14x1,5 | 8 | M14x1,5 | 8 | 400 | ... M14x1,5 8L |
| M14x1,5 | 8 | M16x1,5 | 10 | M14x1,5 | 8 | 350 | ... M14/M16/M14 8L/10L/8L |
| M14x1,5 | 8 | M18x1,5 | 12 | M14x1,5 | 8 | 330 | ... M14/M18/M14 8L/12L/8L |
| M16x1,5 | 10 | M12x1,5 | 6 | M16x1,5 | 10 | 350 | ... M16/M12/M16 10L/6L/10L |
| M16x1,5 | 10 | M14x1,5 | 8 | M16x1,5 | 10 | 350 | ... M16/M14/M16 10L/8L/16L |
| M16x1,5 | 10 | M16x1,5 | 10 | M16x1,5 | 10 | 350 | ... M16x1,5 10L |
| M16x1,5 | 10 | M18x1,5 | 12 | M16x1,5 | 10 | 330 | ... M16/M18/M16 10L/12L/10L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | M16x1,5 | 10 | 275 | ... M16/M22/M16 10L/15(16)L/10L |
| M18x1,5 | 12 | M14x1,5 | 8 | M18x1,5 | 12 | 330 | ... M18/M14/M18 12L/8L/12L |
| M18x1,5 | 12 | M16x1,5 | 10 | M18x1,5 | 12 | 330 | ... M18/M16/M18 12L/10L/12L |
| M18x1,5 | 12 | M18x1,5 | 12 | M18x1,5 | 12 | 330 | ... M18x1,5 12L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | M18x1,5 | 12 | 275 | ... M18/M22/M18 12L/15(16)L/12L |
| M18x1,5 | 12 | M27x2 | 18 | M18x1,5 | 12 | 250 | ... M18/M27/M18 12L/18L/12L |
| M22x1,5 | 15/16 | M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | ... M22/M16/M22 15(16)L/10L/15(16)L |
| M22x1,5 | 15/16 | M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | ... M22/M18/M22 15(16)L/12L/15(16)L |
| M22x1,5 | 15/16 | M22x1,5 | 15/16 | M22x1,5 | 15/16 | 275 | ... M22x1,5 15(16)L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | M22x1,5 | 15/16 | 250 | ... M22/M26/M22 15(16)L/18L/15(16)L |
| M22x1,5 | 15/16 | M30x2 | 22 | M22x1,5 | 15/16 | 215 | ... M22/M30/M22 15(16)L/22L/15(16)L |
| M26x1,5 | 18 | M18x1,5 | 12 | M26x1,5 | 18 | 250 | ... M26/M18/M26 18L/12L/18L |
| M26x1,5 | 18 | M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | ... M26/M22/M26 18L/15(16)L/18L |
| M26x1,5 | 18 | M26x1,5 | 18 | M26x1,5 | 18 | 250 | ... M26x1,5 18L |
| M26x1,5 | 18 | M30x2 | 22 | M26x1,5 | 18 | 215 | ... M26/M30/M26 18L/22L/18L |
| M26x1,5 | 18 | M36x2 | 28 | M26x1,5 | 18 | 165 | ... M26/M36/M26 18L/28L/18L |
| M27x2 | 18 | M18x1,5 | 12 | M27x2 | 18 | 250 | ... M27/M18/M27 18L/12L/18L |
| M27x2 | 18 | M22x1,5 | 15/16 | M27x2 | 18 | 250 | ... M27/M22/M27 18L/15(16)L/18L |
| M27x2 | 18 | M27x2 | 18 | M27x2 | 18 | 250 | ... M27x2 18L |
| M27x2 | 18 | M30x2 | 22 | M27x2 | 18 | 215 | ... M27/M30/M27 18L/22L/18L |
| M27x2 | 18 | M36x2 | 28 | M27x2 | 18 | 165 | ... M27/M36/M27 18L/28L/18L |
| M30x2 | 22 | M22x1,5 | 15/16 | M30x2 | 22 | 215 | ... M30/M22/M30 22L/15(16)L/22L |
| M30x2 | 22 | M26x1,5 | 18 | M30x2 | 22 | 215 | ... M30/M26/M30 22L/15(16)L/22L |
| M30x2 | 22 | M30x2 | 22 | M30x2 | 22 | 215 | ... M30x2 22L |
| M30x2 | 22 | M36x2 | 28 | M30x2 | 22 | 165 | ... M30/M36/M30 22L/28L/22L |
| M30x2 | 22 | M45x2 | 35 | M30x2 | 22 | 125 | ... M30/M45/M30 22L/35L/22L |
| M36x2 | 28 | M27x2 | 18 | M36x2 | 28 | 165 | ... M36/M27/M36 28L/18L/28L |
| M36x2 | 28 | M30x2 | 22 | M36x2 | 28 | 165 | ... M36/M30/M36 28L/22L/28L |
| M36x2 | 28 | M36x2 | 28 | M36x2 | 28 | 165 | ... M36x2 28L |
| M36x2 | 28 | M45x2 | 35 | M36x2 | 28 | 125 | ... M36/M45/M36 28L/35L/28L |
| M36x2 | 28 | M52x2 | 42 | M36x2 | 28 | 90 | ... M36/M52/M36 28L/42L/28L |
| M45x2 | 35 | M30x2 | 22 | M45x2 | 35 | 125 | ... M45/M30/M45 35L/22L/35L |
| M45x2 | 35 | M36x2 | 28 | M45x2 | 35 | 125 | ... M45/M36/M45 35L/28L/35L |
| M45x2 | 35 | M45x2 | 35 | M45x2 | 35 | 125 | ... M45x2 35L |
| M45x2 | 35 | M52x2 | 42 | M45x2 | 35 | 90 | ... M45/M52/M45 35L/42L/35L |
| M52x2 | 42 | M36x2 | 28 | M52x2 | 42 | 90 | ... M52/M36/M52 42L/28L/42L |
| M52x2 | 42 | M45x2 | 35 | M52x2 | 42 | 90 | ... M52/M45/M52 42L/35L/42L |
| M52x2 | 42 | M52x2 | 42 | M52x2 | 42 | 90 | ... M52x2 42L |



PRZYKŁADY / EXAMPLE / Примеры
Wesja ciężka; Heavy version; Тяжёлая версия

... - ABA; BAB; AAB; BBA

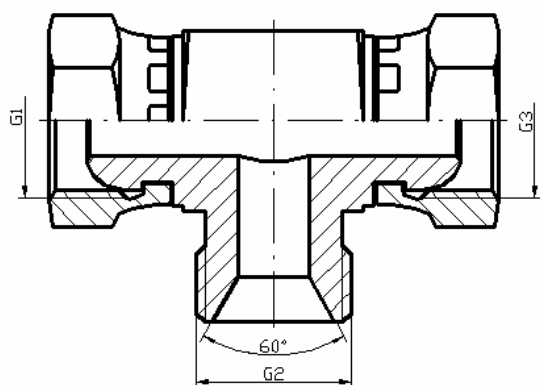
| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Gwint G3 | d3 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|-------------|------------|--------------------------------|-----------------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | M14x1,5 | 6 | 400 | ... M14x1,5 6S |
| M14x1,5 | 6 | M16x1,5 | 8 | M14x1,5 | 6 | 400 | ... M14/M16/M14 6S/8S/6S |
| M14x1,5 | 6 | M18x1,5 | 10 | M14x1,5 | 6 | 350 | ... M14/M18/M14 6S/10S/6S |
| M16x1,5 | 8 | M14x1,5 | 6 | M16x1,5 | 8 | 400 | ... M16/M14/M16 8S/6S/8S |
| M16x1,5 | 8 | M16x1,5 | 8 | M16x1,5 | 8 | 400 | ... M16x1,5 8S |
| M16x1,5 | 8 | M18x1,5 | 10 | M16x1,5 | 8 | 350 | ... M16/M18/M16 8S/10S/8S |
| M16x1,5 | 8 | M20x1,5 | 12 | M16x1,5 | 8 | 330 | ... M16/M20/M16 8S/12S/8S |
| M18x1,5 | 10 | M14x1,5 | 6 | M18x1,5 | 10 | 350 | ... M18/M14/M18 10S/6S/10S |
| M18x1,5 | 10 | M16x1,5 | 8 | M18x1,5 | 10 | 350 | ... M18/M16/M18 10S/8S/10S |
| M18x1,5 | 10 | M18x1,5 | 10 | M18x1,5 | 10 | 350 | ... M18x1,5 10S |
| M18x1,5 | 10 | M20x1,5 | 12 | M18x1,5 | 10 | 330 | ... M18/M20/M18 10S/12S/10S |
| M18x1,5 | 10 | M22x1,5 | 14 | M18x1,5 | 10 | 330 | ... M18/M22/M18 10S/14S/10S |
| M20x1,5 | 12 | M16x1,5 | 8 | M20x1,5 | 12 | 350 | ... M20/M16/M20 12S/8S/12S |
| M20x1,5 | 12 | M18x1,5 | 10 | M20x1,5 | 12 | 350 | ... M20/M18/M20 12S/10S/12S |
| M20x1,5 | 12 | M20x1,5 | 12 | M20x1,5 | 12 | 350 | ... M20x1,5 12S |
| M20x1,5 | 12 | M22x1,5 | 14 | M20x1,5 | 12 | 330 | ... M20/M22/M20 12S/14S/12S |
| M20x1,5 | 12 | M24x1,5 | 16 | M20x1,5 | 12 | 275 | ... M20/M24/M20 12S/16S/12S |
| M22x1,5 | 14 | M18x1,5 | 10 | M22x1,5 | 14 | 330 | ... M22/M18/M22 14S/10S/14S |
| M22x1,5 | 14 | M20x1,5 | 12 | M22x1,5 | 14 | 330 | ... M22/M20/M22 14S/10S/14S |
| M22x1,5 | 14 | M22x1,5 | 14 | M22x1,5 | 14 | 330 | ... M22x1,5 14S |
| M22x1,5 | 14 | M24x1,5 | 16 | M22x1,5 | 14 | 275 | ... M22/M24/M22 14S/16S/14S |
| M22x1,5 | 14 | M30x2 | 20 | M22x1,5 | 14 | 250 | ... M22/M30/M22 14S/20S/14S |
| M24x1,5 | 16 | M20x1,5 | 12 | M24x1,5 | 16 | 330 | ... M24/M20/M24 16S/12S/16S |
| M24x1,5 | 16 | M22x1,5 | 14 | M24x1,5 | 16 | 275 | ... M24/M22/M24 16S/14S/16S |
| M24x1,5 | 16 | M24x1,5 | 16 | M24x1,5 | 16 | 275 | ... M24x1,5 16S |
| M24x1,5 | 16 | M30x2 | 20 | M24x1,5 | 16 | 250 | ... M24/M30/M24 16S/20S/16S |
| M24x1,5 | 16 | M36x2 | 25 | M24x1,5 | 16 | 215 | ... M24/M36/M24 16S/25S/16S |
| M30x2 | 20 | M22x1,5 | 14 | M30x2 | 20 | 250 | ... M30/M22/M30 20S/14S/20S |
| M30x2 | 20 | M24x1,5 | 16 | M30x2 | 20 | 250 | ... M30/M24/M30 20S/16S/20S |
| M30x2 | 20 | M30x2 | 20 | M30x2 | 20 | 250 | ... M30x2 20S |
| M30x2 | 20 | M36x2 | 25 | M30x2 | 20 | 215 | ... M30/M36/M30 20S/25S/20S |
| M30x2 | 20 | M42x2 | 30 | M30x2 | 20 | 165 | ... M30/M42/M30 20S/30S/20S |
| M36x2 | 25 | M24x1,5 | 16 | M36x2 | 25 | 215 | ... M36/M24/M36 25S/16S/25S |
| M36x2 | 25 | M30x2 | 20 | M36x2 | 25 | 215 | ... M36/M30/M36 25S/20S/25S |
| M36x2 | 25 | M36x2 | 25 | M36x2 | 25 | 215 | ... M36x2 25S |
| M36x2 | 25 | M42x2 | 30 | M36x2 | 25 | 165 | ... M36/M42/M36 25S/30S/25S |
| M36x2 | 25 | M52x2 | 38 | M36x2 | 25 | 125 | ... M36/M52/M36 25S/38S/25S |
| M42x2 | 30 | M30x2 | 20 | M42x2 | 30 | 165 | ... M42/M30/M42 30S/20S/30S |
| M42x2 | 30 | M36x2 | 25 | M42x2 | 30 | 165 | ... M42/M36/M42 30S/25S/30S |
| M42x2 | 30 | M42x2 | 30 | M42x2 | 30 | 165 | ... M42x2 30S |
| M42x2 | 30 | M52x2 | 38 | M42x2 | 30 | 125 | ... M42/M52/M42 30S/38S/30S |
| M52x2 | 38 | M36x2 | 25 | M52x2 | 38 | 125 | ... M52/M36/M52 38S/25S/38S |
| M52x2 | 38 | M42x2 | 30 | M52x2 | 38 | 125 | ... M52/M42/M52 38S/30S/38S |
| M52x2 | 38 | M52x2 | 38 | M52x2 | 38 | 125 | ... M52x2 38S |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).
 We execute in different reducing versions and different threads (Table of threads – see page 7).
 Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

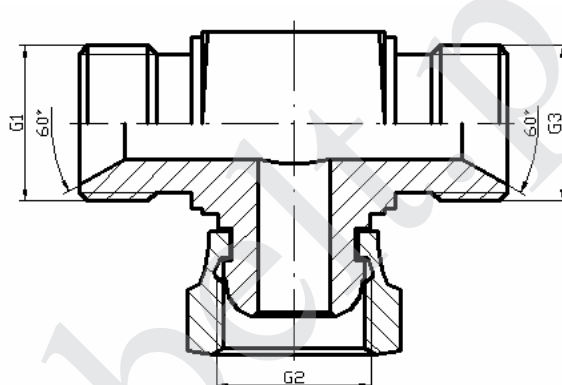
ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA, CAŁOWA
Tees swivel adaptor, BSP / Тройник с гайкой, дюймовый

ABA; BAB; AAB; BBA BSP/BSP/BSP

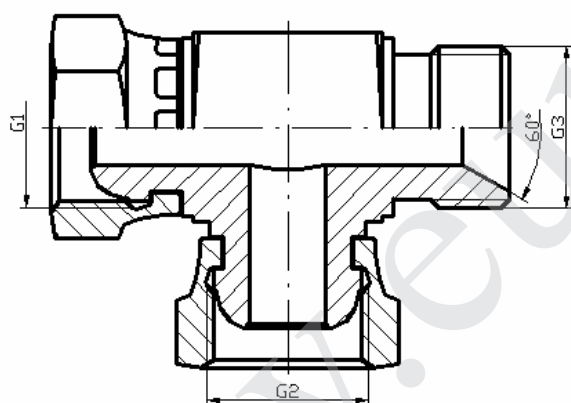
ABA



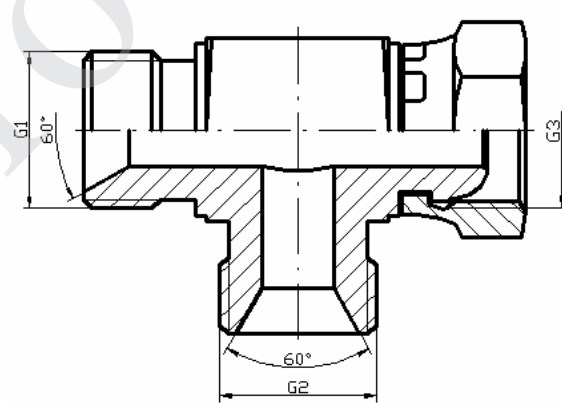
BAB



AAB



BBA



PRZYKŁADY / EXAMPLE / Примеры

... - ABA; BAB; AAB; BBA

| Gwint G1 [BSP] | Gwint G2 [BSP] | Gwint G3 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|-------------------|--------------------------------|------------------------------|
| G 1/4" | G 1/4" | G 1/4" | 400 | ... 1/4" |
| G 1/4" | G 3/8" | G 1/4" | 330 | ... 1/4" / 3/8" / 1/4" |
| G 1/4" | G 1/2" | G 1/4" | 275 | ... 1/4" / 1/2" / 1/4" |
| G 3/8" | G 1/4" | G 3/8" | 330 | ... 3/8" / 1/4" / 3/8" |
| G 3/8" | G 3/8" | G 3/8" | 330 | ... 3/8" |
| G 3/8" | G 1/2" | G 3/8" | 275 | ... 3/8" / 1/2" / 3/8" |
| G 3/8" | G 5/8" | G 3/8" | 250 | ... 3/8" / 5/8" / 3/8" |
| G 1/2" | G 1/4" | G 1/2" | 275 | ... 1/2" / 1/4" / 1/2" |
| G 1/2" | G 3/8" | G 1/2" | 275 | ... 1/2" / 3/8" / 1/2" |
| G 1/2" | G 1/2" | G 1/2" | 275 | ... 1/2" |
| G 1/2" | G 5/8" | G 1/2" | 250 | ... 1/2" / 5/8" / 1/2" |
| G 1/2" | G 3/4" | G 1/2" | 215 | ... 1/2" / 3/4" / 1/2" |
| G 5/8" | G 3/8" | G 5/8" | 250 | ... 5/8" / 3/8" / 5/8" |
| G 5/8" | G 1/2" | G 5/8" | 250 | ... 5/8" / 1/2" / 5/8" |
| G 5/8" | G 5/8" | G 5/8" | 250 | ... 5/8" |
| G 5/8" | G 3/4" | G 5/8" | 215 | ... 5/8" / 3/4" / 5/8" |
| G 5/8" | G 1" | G 5/8" | 165 | ... 5/8" / 1" / 5/8" |
| G 3/4" | G 1/2" | G 3/4" | 215 | ... 3/4" / 1/2" / 3/4" |
| G 3/4" | G 5/8" | G 3/4" | 215 | ... 3/4" / 5/8" / 3/4" |
| G 3/4" | G 3/4" | G 3/4" | 215 | ... 3/4" |
| G 3/4" | G 1" | G 3/4" | 165 | ... 3/4" / 1" / 3/4" |
| G 3/4" | G 1 1/4" | G 3/4" | 125 | ... 3/4" / 1 1/4" / 3/4" |
| G 1" | G 5/8" | G 1" | 165 | ... 1" / 5/8" / 1" |
| G 1" | G 3/4" | G 1" | 165 | ... 1" / 3/4" / 1" |
| G 1" | G 1" | G 1" | 165 | ... 1" |
| G 1" | G 1 1/4" | G 1" | 125 | ... 1" / 1 1/4" / 1" |
| G 1" | G 1 1/2" | G 1" | 90 | ... 1" / 1 1/2" / 1" |
| G 1 1/4" | G 3/4" | G 1 1/4" | 125 | ... 1 1/4" / 3/4" / 1 1/4" |
| G 1 1/4" | G 1" | G 1 1/4" | 125 | ... 1 1/4" / 1" / 1 1/4" |
| G 1 1/4" | G 1 1/4" | G 1 1/4" | 125 | ... 1 1/4" / 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | G 1 1/4" | 90 | ... 1 1/4" / 1 1/2" / 1 1/4" |
| G 1 1/2" | G 1" | G 1 1/2" | 90 | ... 1 1/2" / 1" / 1 1/2" |
| G 1 1/2" | G 1 1/4" | G 1 1/2" | 90 | ... 1 1/2" / 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | G 1 1/2" | 90 | ... 1 1/2" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

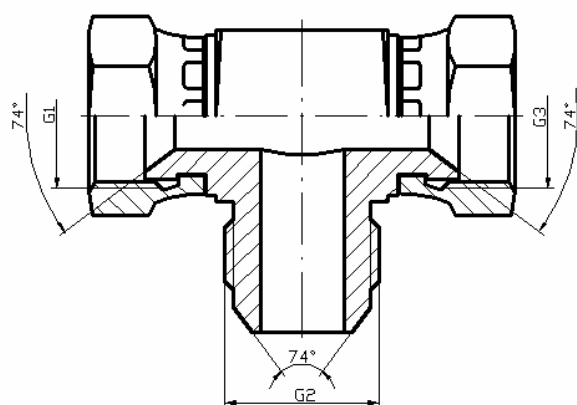
We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

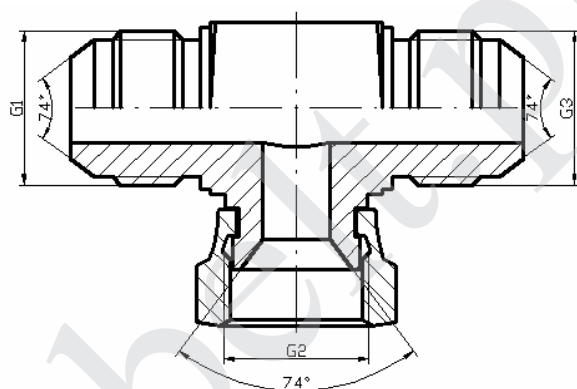
ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA , UNF
Tees swivel adaptor , UNF / Тройник с гайкой, UNF

ABA; BAB; AAB; BBA UNF/UNF/UNF

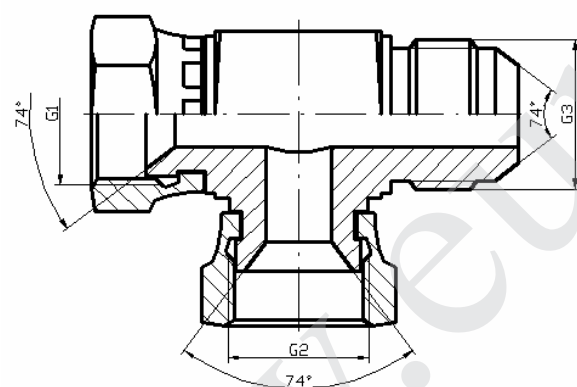
ABA



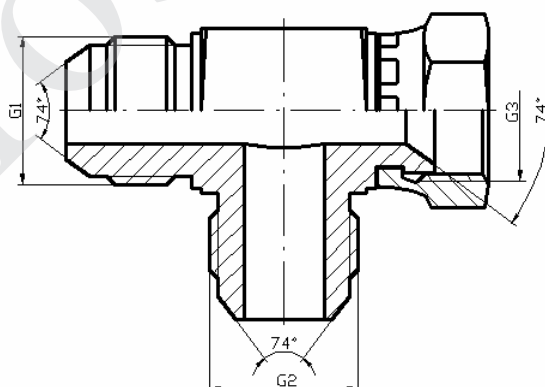
BAB



AAB



BBA



PRZYKŁADY / EXAMPLE / Примеры

... - ABA; BAB; AAB; BBA

| Gwint G1 [UNF] | Gwint G2 [UNF] | Gwint G3 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|-------------------|--------------------------------|-------------------------------------|
| 7/16"-20 | 7/16"-20 | 7/16"-20 | 400 | ... UNF 7/16" |
| 7/16"-20 | 1/2"-20 | 7/16"-20 | 350 | ... UNF 7/16" / 1/2" / 7/16" |
| 7/16"-20 | 9/16"-18 | 7/16"-20 | 330 | ... UNF 7/16" / 9/16" / 7/16" |
| 1/2"-20 | 7/16"-20 | 1/2"-20 | 350 | ... UNF 1/2" / 7/16" / 1/2" |
| 1/2"-20 | 1/2"-20 | 1/2"-20 | 350 | ... UNF 1/2" |
| 1/2"-20 | 9/16"-18 | 1/2"-20 | 330 | ... UNF 1/2" / 9/16" / 1/2" |
| 1/2"-20 | 3/4"-16 | 1/2"-20 | 275 | ... UNF 1/2" / 3/4" / 1/2" |
| 9/16"-18 | 7/16"-20 | 9/16"-18 | 330 | ... UNF 9/16" / 7/16" / 9/16" |
| 9/16"-18 | 1/2"-20 | 9/16"-18 | 330 | ... UNF 9/16" / 1/2" / 9/16" |
| 9/16"-18 | 9/16"-18 | 9/16"-18 | 330 | ... UNF 9/16" |
| 9/16"-18 | 3/4"-16 | 9/16"-18 | 275 | ... UNF 9/16" / 3/4" / 9/16" |
| 9/16"-18 | 7/8"-14 | 9/16"-18 | 250 | ... UNF 9/16" / 7/8" / 9/16" |
| 3/4"-16 | 1/2"-20 | 3/4"-16 | 275 | ... UNF 3/4" / 1/2" / 3/4" |
| 3/4"-16 | 9/16"-18 | 3/4"-16 | 275 | ... UNF 3/4" / 9/16" / 3/4" |
| 3/4"-16 | 3/4"-16 | 3/4"-16 | 275 | ... UNF 3/4" |
| 3/4"-16 | 7/8"-14 | 3/4"-16 | 250 | ... UNF 3/4" / 7/8" / 3/4" |
| 3/4"-16 | 1 1/16"-12 | 3/4"-16 | 215 | ... UNF 3/4" / 1 1/16" / 3/4" |
| 7/8"-14 | 9/16"-18 | 7/8"-14 | 250 | ... UNF 7/8" / 9/16" / 7/8" |
| 7/8"-14 | 3/4"-16 | 7/8"-14 | 250 | ... UNF 7/8" / 3/4" / 7/8" |
| 7/8"-14 | 7/8"-14 | 7/8"-14 | 250 | ... UNF 7/8" |
| 7/8"-14 | 1 1/16"-12 | 7/8"-14 | 215 | ... UNF 7/8" / 1 1/16" / 7/8" |
| 7/8"-14 | 1 5/16"-12 | 7/8"-14 | 165 | ... UNF 7/8" / 1 5/16" / 7/8" |
| 1 1/16"-12 | 3/4"-16 | 1 1/16"-12 | 215 | ... UNF 1 1/16" / 3/4" / 1 1/16" |
| 1 1/16"-12 | 7/8"-14 | 1 1/16"-12 | 215 | ... UNF 1 1/16" / 7/8" / 1 1/16" |
| 1 1/16"-12 | 1 1/16"-12 | 1 1/16"-12 | 215 | ... UNF 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 1 1/16"-12 | 165 | ... UNF 1 1/16" / 1 5/16" / 1 1/16" |
| 1 1/16"-12 | 1 5/8"-12 | 1 1/16"-12 | 165 | ... UNF 1 1/16" / 1 5/8" / 1 1/16" |
| 1 5/16"-12 | 7/8"-14 | 1 5/16"-12 | 215 | ... UNF 1 5/16" / 7/8" / 1 5/16" |
| 1 5/16"-12 | 1 1/16"-12 | 1 5/16"-12 | 215 | ... UNF 1 5/16" / 1 1/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/16"-12 | 1 5/16"-12 | 215 | ... UNF 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 1 5/16"-12 | 165 | ... UNF 1 5/16" / 1 5/8" / 1 5/16" |
| 1 5/8"-12 | 1 1/16"-12 | 1 5/8"-12 | 165 | ... UNF 1 5/8" / 1 1/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/16"-12 | 1 5/8"-12 | 165 | ... UNF 1 5/8" / 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 1 5/8"-12 | 165 | ... UNF 1 5/8" |

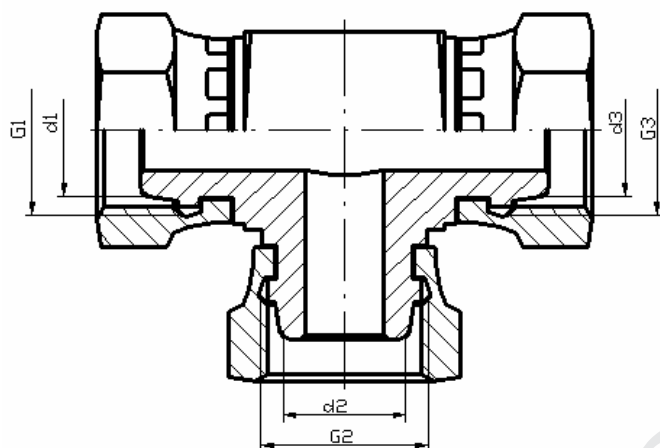
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA AAA , METRYCZNA
Tees swivel adapter AAA , metric / Тройник с гайкой AAA, метрический

AAA M/M/M



PRZYKŁADY / EXAMPLE / Примеры
Wersja lekka; Light version; Легкая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Gwint G3 | d3 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|-------------|------------|--------------------------------|-------------------------------------|
| M12x1,5 | 6 | M12x1,5 | 6 | M12x1,5 | 6 | 400 | AAA M12x1,5 6L |
| M12x1,5 | 6 | M14x1,5 | 8 | M12x1,5 | 6 | 400 | AAA M12/M14/M16 6L/8L/6L |
| M12x1,5 | 6 | M16x1,5 | 10 | M12x1,5 | 6 | 350 | AAA M12/M16/M12 6L/10L/6L |
| M14x1,5 | 8 | M12x1,5 | 6 | M14x1,5 | 8 | 400 | AAA M14/M12/M14 8L/6L/8L |
| M14x1,5 | 8 | M14x1,5 | 8 | M14x1,5 | 8 | 400 | AAA M14x1,5 8L |
| M14x1,5 | 8 | M16x1,5 | 10 | M14x1,5 | 8 | 350 | AAA M14/M16/M14 8L/10L/8L |
| M14x1,5 | 8 | M18x1,5 | 12 | M14x1,5 | 8 | 330 | AAA M14/M18/M14 8L/12L/8L |
| M16x1,5 | 10 | M12x1,5 | 6 | M16x1,5 | 10 | 350 | AAA M16/M12/M16 10L/6L/10L |
| M16x1,5 | 10 | M14x1,5 | 8 | M16x1,5 | 10 | 350 | AAA M16/M14/M16 10L/8L/16L |
| M16x1,5 | 10 | M16x1,5 | 10 | M16x1,5 | 10 | 350 | AAA M16x1,5 10L |
| M16x1,5 | 10 | M18x1,5 | 12 | M16x1,5 | 10 | 330 | AAA M16/M18/M16 10L/12L/10L |
| M16x1,5 | 10 | M22x1,5 | 15/16 | M16x1,5 | 10 | 275 | AAA M16/M22/M16 10L/15(16)L/10L |
| M18x1,5 | 12 | M14x1,5 | 8 | M18x1,5 | 12 | 330 | AAA M18/M14/M18 12L/8L/12L |
| M18x1,5 | 12 | M16x1,5 | 10 | M18x1,5 | 12 | 330 | AAA M18/M16/M18 12L/10L/12L |
| M18x1,5 | 12 | M18x1,5 | 12 | M18x1,5 | 12 | 330 | AAA M18x1,5 12L |
| M18x1,5 | 12 | M22x1,5 | 15/16 | M18x1,5 | 12 | 275 | AAA M18/M22/M18 12L/15(16)L/12L |
| M18x1,5 | 12 | M27x2 | 18 | M18x1,5 | 12 | 250 | AAA M18/M27/M18 12L/18L/12L |
| M22x1,5 | 15/16 | M16x1,5 | 10 | M22x1,5 | 15/16 | 275 | AAA M22/M16/M22 15(16)L/10L/15(16)L |
| M22x1,5 | 15/16 | M18x1,5 | 12 | M22x1,5 | 15/16 | 275 | AAA M22/M18/M22 15(16)L/12L/15(16)L |
| M22x1,5 | 15/16 | M22x1,5 | 15/16 | M22x1,5 | 15/16 | 275 | AAA M22x1,5 15(16)L |
| M22x1,5 | 15/16 | M26x1,5 | 18 | M22x1,5 | 15/16 | 250 | AAA M22/M26/M22 15(16)L/18L/15(16)L |
| M22x1,5 | 15/16 | M30x2 | 22 | M22x1,5 | 15/16 | 215 | AAA M22/M30/M22 15(16)L/22L/15(16)L |
| M26x1,5 | 18 | M18x1,5 | 12 | M26x1,5 | 18 | 250 | AAA M26/M18/M26 18L/12L/18L |
| M26x1,5 | 18 | M22x1,5 | 15/16 | M26x1,5 | 18 | 250 | AAA M26/M22/M26 18L/15(16)L/18L |
| M26x1,5 | 18 | M26x1,5 | 18 | M26x1,5 | 18 | 250 | AAA M26x1,5 18L |
| M26x1,5 | 18 | M30x2 | 22 | M26x1,5 | 18 | 215 | AAA M26/M30/M26 18L/22L/18L |
| M26x1,5 | 18 | M36x2 | 28 | M26x1,5 | 18 | 165 | AAA M26/M36/M26 18L/28L/18L |



| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Gwint G3 | d3 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|-------------|------------|--------------------------------|---------------------------------|
| M27x2 | 18 | M18x1,5 | 12 | M27x2 | 18 | 250 | AAA M27/M18/M27 18L/12L/18L |
| M27x2 | 18 | M22x1,5 | 15/16 | M27x2 | 18 | 250 | AAA M27/M22/M27 18L/15(16)L/18L |
| M27x2 | 18 | M27x2 | 18 | M27x2 | 18 | 250 | AAA M27x2 18L |
| M27x2 | 18 | M30x2 | 22 | M27x2 | 18 | 215 | AAA M27/M30/M27 18L/22L/18L |
| M27x2 | 18 | M36x2 | 28 | M27x2 | 18 | 165 | AAA M27/M36/M27 18L/28L/18L |
| M30x2 | 22 | M22x1,5 | 15/16 | M30x2 | 22 | 215 | AAA M30/M22/M30 22L/15(16)L/22L |
| M30x2 | 22 | M26x1,5 | 18 | M30x2 | 22 | 215 | AAA M30/M26/M30 22L/15(16)L/22L |
| M30x2 | 22 | M30x2 | 22 | M30x2 | 22 | 215 | AAA M30x2 22L |
| M30x2 | 22 | M36x2 | 28 | M30x2 | 22 | 165 | AAA M30/M36/M30 22L/28L/22L |
| M30x2 | 22 | M45x2 | 35 | M30x2 | 22 | 125 | AAA M30/M45/M30 22L/35L/22L |
| M36x2 | 28 | M27x2 | 18 | M36x2 | 28 | 165 | AAA M36/M27/M36 28L/18L/28L |
| M36x2 | 28 | M30x2 | 22 | M36x2 | 28 | 165 | AAA M36/M30/M36 28L/22L/28L |
| M36x2 | 28 | M36x2 | 28 | M36x2 | 28 | 165 | AAA M36x2 28L |
| M36x2 | 28 | M45x2 | 35 | M36x2 | 28 | 125 | AAA M36/M45/M36 28L/35L/28L |
| M36x2 | 28 | M52x2 | 42 | M36x2 | 28 | 90 | AAA M36/M52/M36 28L/42L/28L |
| M45x2 | 35 | M30x2 | 22 | M45x2 | 35 | 125 | AAA M45/M30/M45 35L/22L/35L |
| M45x2 | 35 | M36x2 | 28 | M45x2 | 35 | 125 | AAA M45/M36/M45 35L/28L/35L |
| M45x2 | 35 | M45x2 | 35 | M45x2 | 35 | 125 | AAA M45x2 35L |
| M45x2 | 35 | M52x2 | 42 | M45x2 | 35 | 90 | AAA M45/M52/M45 35L/42L/35L |
| M52x2 | 42 | M36x2 | 28 | M52x2 | 42 | 90 | AAA M52/M36/M52 42L/28L/42L |
| M52x2 | 42 | M45x2 | 35 | M52x2 | 42 | 90 | AAA M52/M45/M52 42L/35L/42L |
| M52x2 | 42 | M52x2 | 42 | M52x2 | 42 | 90 | AAA M52x2 42L |



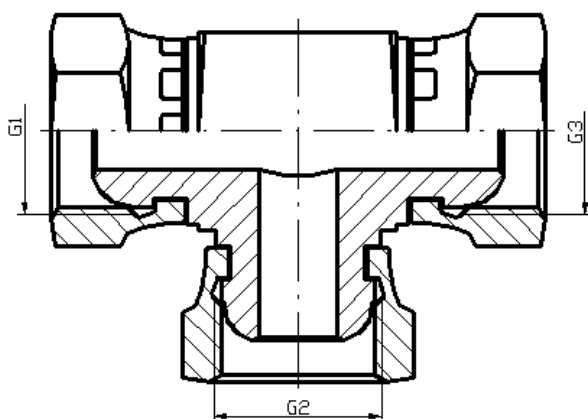
PRZYKŁADY / EXAMPLE / Примеры
Wesja ciężka; Heavy version; Тяжёлая версия

| Gwint G1 | d1 [mm] | Gwint G2 | d2 [mm] | Gwint G3 | d3 [mm] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------|------------|-------------|------------|-------------|------------|--------------------------------|-----------------------------|
| M14x1,5 | 6 | M14x1,5 | 6 | M14x1,5 | 6 | 400 | AAA M14x1,5 6S |
| M14x1,5 | 6 | M16x1,5 | 8 | M14x1,5 | 6 | 400 | AAA M14/M16/M14 6S/8S/6S |
| M14x1,5 | 6 | M18x1,5 | 10 | M14x1,5 | 6 | 350 | AAA M14/M18/M14 6S/10S/6S |
| M16x1,5 | 8 | M14x1,5 | 6 | M16x1,5 | 8 | 400 | AAA M16/M14/M16 8S/6S/8S |
| M16x1,5 | 8 | M16x1,5 | 8 | M16x1,5 | 8 | 400 | AAA M16x1,5 8S |
| M16x1,5 | 8 | M18x1,5 | 10 | M16x1,5 | 8 | 350 | AAA M16/M18/M16 8S/10S/8S |
| M16x1,5 | 8 | M20x1,5 | 12 | M16x1,5 | 8 | 330 | AAA M16/M20/M16 8S/12S/8S |
| M18x1,5 | 10 | M14x1,5 | 6 | M18x1,5 | 10 | 350 | AAA M18/M14/M18 10S/6S/10S |
| M18x1,5 | 10 | M16x1,5 | 8 | M18x1,5 | 10 | 350 | AAA M18/M16/M18 10S/8S/10S |
| M18x1,5 | 10 | M18x1,5 | 10 | M18x1,5 | 10 | 350 | AAA M18x1,5 10S |
| M18x1,5 | 10 | M20x1,5 | 12 | M18x1,5 | 10 | 330 | AAA M18/M20/M18 10S/12S/10S |
| M18x1,5 | 10 | M22x1,5 | 14 | M18x1,5 | 10 | 330 | AAA M18/M22/M18 10S/14S/10S |
| M20x1,5 | 12 | M16x1,5 | 8 | M20x1,5 | 12 | 330 | AAA M20/M16/M20 12S/8S/12S |
| M20x1,5 | 12 | M18x1,5 | 10 | M20x1,5 | 12 | 330 | AAA M20/M18/M20 12S/10S/12S |
| M20x1,5 | 12 | M20x1,5 | 12 | M20x1,5 | 12 | 330 | AAA M20x1,5 12S |
| M20x1,5 | 12 | M22x1,5 | 14 | M20x1,5 | 12 | 330 | AAA M20/M22/M20 12S/14S/12S |
| M20x1,5 | 12 | M24x1,5 | 16 | M20x1,5 | 12 | 275 | AAA M20/M24/M20 12S/16S/12S |
| M22x1,5 | 14 | M18x1,5 | 10 | M22x1,5 | 14 | 330 | AAA M22/M18/M22 14S/10S/14S |
| M22x1,5 | 14 | M20x1,5 | 12 | M22x1,5 | 14 | 330 | AAA M22/M20/M22 14S/10S/14S |
| M22x1,5 | 14 | M22x1,5 | 14 | M22x1,5 | 14 | 330 | AAA M22x1,5 14S |
| M22x1,5 | 14 | M24x1,5 | 16 | M22x1,5 | 14 | 275 | AAA M22/M24/M22 14S/16S/14S |
| M22x1,5 | 14 | M30x2 | 20 | M22x1,5 | 14 | 215 | AAA M22/M30/M22 14S/20S/14S |
| M24x1,5 | 16 | M20x1,5 | 12 | M24x1,5 | 16 | 275 | AAA M24/M20/M24 16S/12S/16S |
| M24x1,5 | 16 | M22x1,5 | 14 | M24x1,5 | 16 | 275 | AAA M24/M22/M24 16S/14S/16S |
| M24x1,5 | 16 | M24x1,5 | 16 | M24x1,5 | 16 | 275 | AAA M24x1,5 16S |
| M24x1,5 | 16 | M30x2 | 20 | M24x1,5 | 16 | 215 | AAA M24/M30/M24 16S/20S/16S |
| M24x1,5 | 16 | M36x2 | 25 | M24x1,5 | 16 | 165 | AAA M24/M36/M24 16S/25S/16S |
| M30x2 | 20 | M22x1,5 | 14 | M30x2 | 20 | 215 | AAA M30/M22/M30 20S/14S/20S |
| M30x2 | 20 | M24x1,5 | 16 | M30x2 | 20 | 215 | AAA M30/M24/M30 20S/16S/20S |
| M30x2 | 20 | M30x2 | 20 | M30x2 | 20 | 215 | AAA M30x2 20S |
| M30x2 | 20 | M36x2 | 25 | M30x2 | 20 | 165 | AAA M30/M36/M30 20S/25S/20S |
| M30x2 | 20 | M42x2 | 30 | M30x2 | 20 | 125 | AAA M30/M42/M30 20S/30S/20S |
| M36x2 | 25 | M24x1,5 | 16 | M36x2 | 25 | 165 | AAA M36/M24/M36 25S/16S/25S |
| M36x2 | 25 | M30x2 | 20 | M36x2 | 25 | 165 | AAA M36/M30/M36 25S/20S/25S |
| M36x2 | 25 | M36x2 | 25 | M36x2 | 25 | 165 | AAA M36x2 25S |
| M36x2 | 25 | M42x2 | 30 | M36x2 | 25 | 125 | AAA M36/M42/M36 25S/30S/25S |
| M36x2 | 25 | M52x2 | 38 | M36x2 | 25 | 90 | AAA M36/M52/M36 25S/38S/25S |
| M42x2 | 30 | M30x2 | 20 | M42x2 | 30 | 125 | AAA M42/M30/M42 30S/20S/30S |
| M42x2 | 30 | M36x2 | 25 | M42x2 | 30 | 125 | AAA M42/M36/M42 30S/25S/30S |
| M42x2 | 30 | M42x2 | 30 | M42x2 | 30 | 125 | AAA M42x2 30S |
| M42x2 | 30 | M52x2 | 38 | M42x2 | 30 | 90 | AAA M42/M52/M42 30S/38S/30S |
| M52x2 | 38 | M36x2 | 25 | M52x2 | 38 | 90 | AAA M52/M36/M52 38S/25S/38S |
| M52x2 | 38 | M42x2 | 30 | M52x2 | 38 | 90 | AAA M52/M42/M52 38S/30S/38S |
| M52x2 | 38 | M52x2 | 38 | M52x2 | 38 | 90 | AAA M52x2 38S |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).
 We execute in different reducing versions and different threads (Table of threads – see page 7).
 Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA AAA , CALOWA
Tees swivel adapter AAA , BSP / Тройник с гайкой AAA, дюймовый

AAA BSP/BSP/BSP



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 [BSP] | Gwint G2 [BSP] | Gwint G3 [BSP] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|-------------------|--------------------------------|------------------------------|
| G 1/4" | G 1/4" | G 1/4" | 400 | AAA 1/4" |
| G 1/4" | G 3/8" | G 1/4" | 330 | AAA 1/4" / 3/8" / 1/4" |
| G 1/4" | G 1/2" | G 1/4" | 275 | AAA 1/4" / 1/2" / 1/4" |
| G 3/8" | G 1/4" | G 3/8" | 330 | AAA 3/8" / 1/4" / 3/8" |
| G 3/8" | G 3/8" | G 3/8" | 330 | AAA 3/8" |
| G 3/8" | G 1/2" | G 3/8" | 275 | AAA 3/8" / 1/2" / 3/8" |
| G 3/8" | G 5/8" | G 3/8" | 250 | AAA 3/8" / 5/8" / 3/8" |
| G 1/2" | G 3/8" | G 1/2" | 275 | AAA 1/2" / 3/8" / 1/2" |
| G 1/2" | G 1/2" | G 1/2" | 275 | AAA 1/2" |
| G 1/2" | G 5/8" | G 1/2" | 250 | AAA 1/2" / 5/8" / 1/2" |
| G 5/8" | G 1/2" | G 5/8" | 250 | AAA 5/8" / 1/2" / 5/8" |
| G 5/8" | G 5/8" | G 5/8" | 250 | AAA 5/8" |
| G 5/8" | G 3/4" | G 5/8" | 215 | AAA 5/8" / 3/4" / 5/8" |
| G 3/4" | G 5/8" | G 3/4" | 215 | AAA 3/4" / 5/8" / 3/4" |
| G 3/4" | G 3/4" | G 3/4" | 215 | AAA 3/4" |
| G 3/4" | G 1" | G 3/4" | 165 | AAA 3/4" / 1" / 3/4" |
| G 1" | G 3/4" | G 1" | 165 | AAA 1" / 3/4" / 1" |
| G 1" | G 1" | G 1" | 165 | AAA 1" |
| G 1" | G 1 1/4" | G 1" | 125 | AAA 1" / 1 1/4" / 1" |
| G 1 1/4" | G 1" | G 1 1/4" | 125 | AAA 1 1/4" / 1" / 1 1/4" |
| G 1 1/4" | G 1 1/4" | G 1 1/4" | 125 | AAA 1 1/4" / 1 1/4" / 1 1/4" |
| G 1 1/4" | G 1 1/2" | G 1 1/4" | 90 | AAA 1 1/4" / 1 1/2" / 1 1/4" |
| G 1 1/2" | G 1" | G 1 1/2" | 90 | AAA 1 1/2" / 1" / 1 1/2" |
| G 1 1/2" | G 1 1/4" | G 1 1/2" | 90 | AAA 1 1/2" / 1 1/4" / 1 1/2" |
| G 1 1/2" | G 1 1/2" | G 1 1/2" | 90 | AAA 1 1/2" |

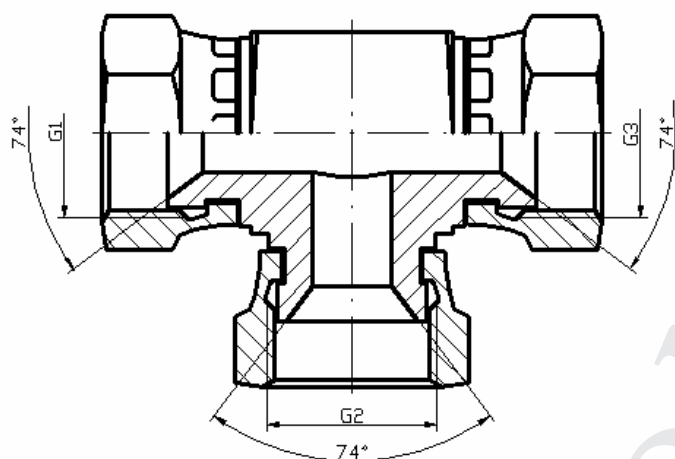
Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

ZŁĄCZKA TRÓJNIKOWA NAKRĘTNA AAA , UNF
Tees swivel adapter AAA , UNF / Тройник с гайкой AAA, UNF

AAA UNF/UNF/UNF



PRZYKŁADY / EXAMPLE / Примеры

| Gwint G1 [UNF] | Gwint G2 [UNF] | Gwint G3 [UNF] | Max ciśnienie robocze [bar] | Symbol / Order code |
|-------------------|-------------------|-------------------|--------------------------------|-------------------------------------|
| 7/16"-20 | 7/16"-20 | 7/16"-20 | 400 | AAA UNF 7/16" |
| 7/16"-20 | 1/2"-20 | 7/16"-20 | 350 | AAA UNF 7/16" / 1/2" / 7/16" |
| 7/16"-20 | 9/16"-18 | 7/16"-20 | 330 | AAA UNF 7/16" / 9/16" / 7/16" |
| 1/2"-20 | 7/16"-20 | 1/2"-20 | 350 | AAA UNF 1/2" / 7/16" / 1/2" |
| 1/2"-20 | 1/2"-20 | 1/2"-20 | 350 | AAA UNF 1/2" |
| 1/2"-20 | 9/16"-18 | 1/2"-20 | 330 | AAA UNF 1/2" / 9/16" / 1/2" |
| 9/16"-18 | 1/2"-20 | 9/16"-18 | 330 | AAA UNF 9/16" / 1/2" / 9/16" |
| 9/16"-18 | 9/16"-18 | 9/16"-18 | 330 | AAA UNF 9/16" |
| 9/16"-18 | 3/4"-16 | 9/16"-18 | 275 | AAA UNF 9/16" / 3/4" / 9/16" |
| 3/4"-16 | 9/16"-18 | 3/4"-16 | 275 | AAA UNF 3/4" / 9/16" / 3/4" |
| 3/4"-16 | 3/4"-16 | 3/4"-16 | 275 | AAA UNF 3/4" |
| 3/4"-16 | 7/8"-14 | 3/4"-16 | 250 | AAA UNF 3/4" / 7/8" / 3/4" |
| 7/8"-14 | 3/4"-16 | 7/8"-14 | 250 | AAA UNF 7/8" / 3/4" / 7/8" |
| 7/8"-14 | 7/8"-14 | 7/8"-14 | 250 | AAA UNF 7/8" |
| 7/8"-14 | 1 1/16"-12 | 7/8"-14 | 215 | AAA UNF 7/8" / 1 1/16" / 7/8" |
| 1 1/16"-12 | 7/8"-14 | 1 1/16"-12 | 215 | AAA UNF 1 1/16" / 7/8" / 1 1/16" |
| 1 1/16"-12 | 1 1/16"-12 | 1 1/16"-12 | 215 | AAA UNF 1 1/16" |
| 1 1/16"-12 | 1 5/16"-12 | 1 1/16"-12 | 165 | AAA UNF 1 1/16" / 1 5/16" / 1 1/16" |
| 1 5/16"-12 | 1 1/16"-12 | 1 5/16"-12 | 165 | AAA UNF 1 5/16" / 1 1/16" / 1 5/16" |
| 1 5/16"-12 | 1 5/16"-12 | 1 5/16"-12 | 165 | AAA UNF 1 5/16" |
| 1 5/16"-12 | 1 5/8"-12 | 1 5/16"-12 | 125 | AAA UNF 1 5/16" / 1 5/8" / 1 5/16" |
| 1 5/8"-12 | 1 1/16"-12 | 1 5/8"-12 | 125 | AAA UNF 1 5/8" / 1 1/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/16"-12 | 1 5/8"-12 | 125 | AAA UNF 1 5/8" / 1 5/16" / 1 5/8" |
| 1 5/8"-12 | 1 5/8"-12 | 1 5/8"-12 | 125 | AAA UNF 1 5/8" |

Wykonujemy w różnych wersjach redukcyjnych z różnymi gwintami (Tabela gwintów – patrz str. 7).

We execute in different reducing versions and different threads (Table of threads – see page 7).

Изготавливаем в разных редукционных версиях и с разными резьбами (Таблица резьб – смотри на странице 7).

Sposób oznaczania przewodów hydraulicznych wysokociśnieniowych.

Właściwe wykonanie przewodów hydraulicznych wg zamówienia zależy od jasnej identyfikacji Państwa wymagań. Dlatego też prosimy o zamawianie naszych przewodów wg zasad opisanych w tym katalogu.

System znaczeń.

a b c d e f / g h h / i j k l m n o p

a – oznaczenie literowe systemu dla lewej strony przewodu:

P i H – system metryczny

C i G – system calowy

b – oznaczenie cyfrowe typu końcówek dla lewej strony przewodu:

P0 – końcówka oczkowa metryczna

P1 – końcówka kulista współpracująca z gniazdem 24°

P2 – końcówka z gniazdem 24°

P3 – końcówka rurkowa pod pierścień zacinający do współpracy z gniazdem 24°

P4 – końcówka do uszczelnień czołowych

P5 – końcówka z zewnętrznym stożkiem 24° i oringiem

P6 – końcówka kulista współpracująca z gniazdem 60°

P7 – końcówka wtykowa

P8 – końcówka ze stożkiem 74° zewnętrznym

P9 – końcówka ze stożkiem 74° wewnętrznym

H1 – końcówka współpracująca z gniazdem wg PN-65/M-73101

H2 – końcówka z gniazdem 60°

C0 – końcówka oczkowa

C1 – końcówka kulista współpracująca z gniazdem 60° i gwintem BSP

C2 – końcówka z gniazdem 60° i gwintem BSP

C3 – końcówka z gwintem stożkowym BSP

- C4** – końcówka kołnierzysta SAE J518
- C5** – końcówka do uszczelnień czołowych i gwintem BSP
- C6** – końcówka z gwintem zewnętrznym UNF
- C7** – końcówka z gwintem stożkowym zewnętrznym NPTF
- C8** – końcówka ze stożkiem 74° zewnętrznym i gwintem UNF
- C9** – końcówka z gniazdem 74° i gwintem UNF
- G2** – końcówka z gwintem BSP wg DIN 3852

c – oznaczenie cyfrowe kąta wygięcia końcówki strony lewej przewodu:

- 1 – prosta
- 2 – 90°
- 3 – 67,5°
- 4 – 60°
- 5 – 45°
- 6 – 30°
- 7 – 22,5°
- 8 – 75°

d – tak samo jak „a” dla strony prawej przewodu

e – tak samo jak „b” dla strony prawej przewodu

f – tak samo jak „c” dla strony prawej przewodu

g – oznaczenie cyfrowe typu węża:

- 1 – jednoopłotowy
- 2 – dwuopłotowy
- 3 – czteroopłotowy wg DIN 20023-4SP
- 4 – czteroopłotowy wg DIN 20023-4SH
- 5 – rezerwowy
- 6 – teflonowy

h – oznaczenie cyfrowe odmiany końcówki wg katalogu dla strony lewej przewodu

h – oznaczenie cyfrowe odmiany końcówki wg katalogu dla strony prawej przewodu

i – wyróżnik wielkości średnicy przewodu

j – długość przewodu w [mm]

k – „K” kąt skręcania końcówek kątowych

l – wielkość kąta skręcania końcówek kątowych [$^{\circ}$]. **s** – „S” opłot ochronny (sprężyna) na całej długości gumy

Ośłona ochronna dla przewodów musi zostać określona z wyszczególnieniem jej długości. Generalnie, jest ona stosowana na całej długości przewodu, wtedy w oznaczeniu przewodu podajemy tylko literę „S”, jeżeli jest ona krótsza, należy podać jej długość.

n – długość opłotu ochronnego w [cm]

o – „Y” oznaczenie końcówki kątowej o nietypowej (nie ujętej w katalogu) długości ramienia

p – długość ramienia kątowej końcówki w [cm].

PRZYKŁADY OZNACZE PRZEWODÓW HYDRALICZNYCH

P11P11/211/10-500S

przewód o średnicy DN=10mm, długości 500mm z węża dwuopłotowego na ciśnienie robocze 33MPa, z końcówkami prostymi z obu stron odmiany lekkiej z gwintami M18x1,5 w oplocie ochronnym (sprężyna) na całej długości węża

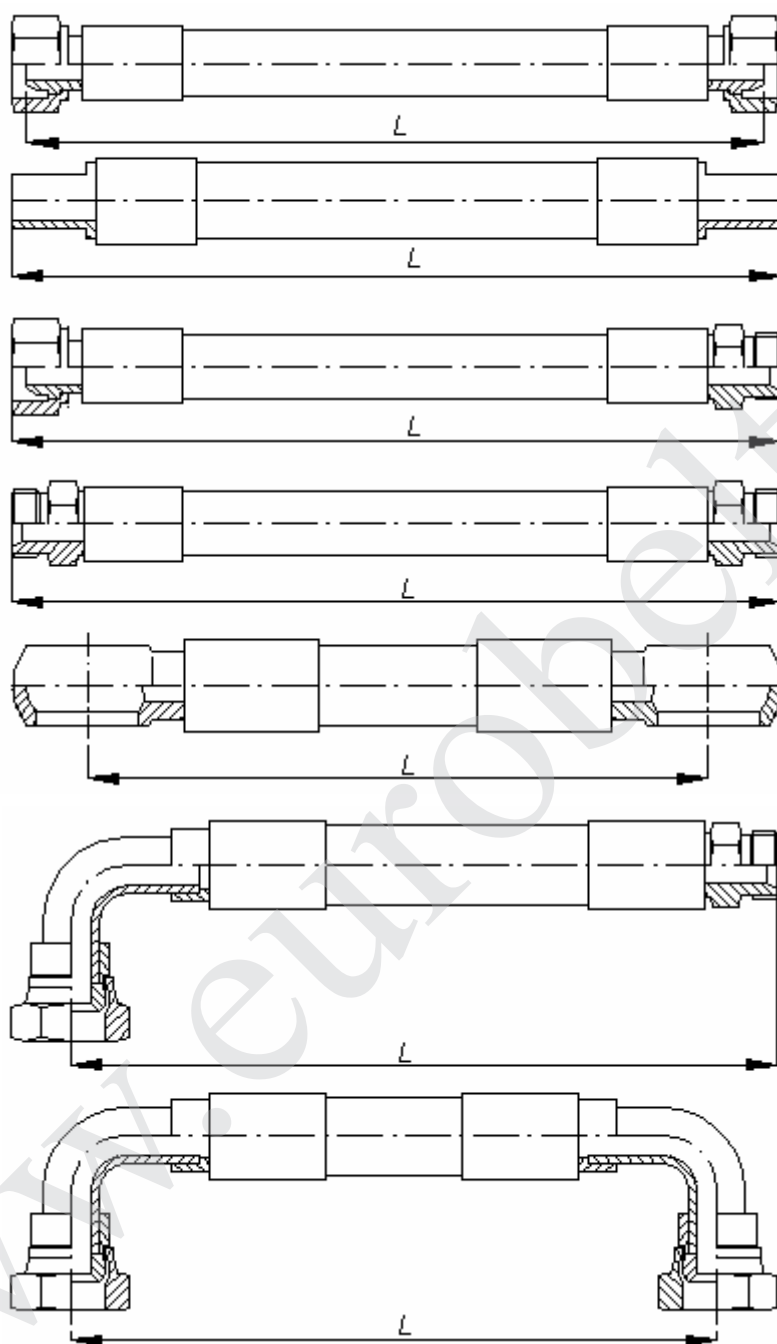
P12C41/367/25-3000

przewód o średnicy DN=25mm, długości 3000mm z węża czteroopłotowego typu SP na ciśnienie robocze 28MPa, z końcówkami odmiany ciężkiej, z lewej strony końcówka kulista o kącie wygięcia 90° i nakrętka o gwincie M42x2, z prawej strony końcówka kołnierzowa prosta o wymiarze flanszy 1 1/4"

P52C95/261/13-2000 K270 S100 Y12

przewód o średnicy DN=13mm, długości 2000mm z węża dwuopłotowego na ciśnienie robocze 27,5 MPa, z lewej strony końcówka stożkowa z o-ringiem wygięta pod kątem 90° z nakrętką o gwincie 24x1,5 odmiany ciężkiej o długości ramienia 12cm, z prawej strony końcówka kątowa 45° Z GWINTEM 3/4"-unf, kąt skręcenia między końcówkami 270° , w oplocie ochronnym (sprężyna) o długości 100cm.

PRZYKŁADY WYMIAROWANIA DŁUGOŚCI PRZEWODU



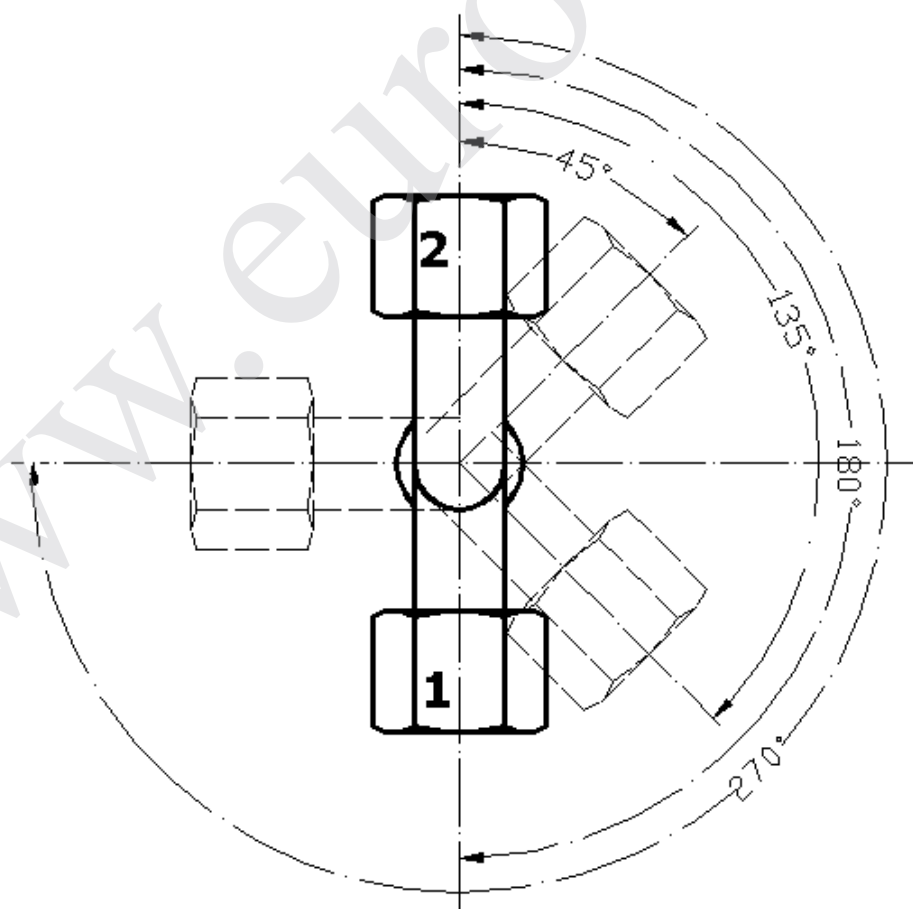
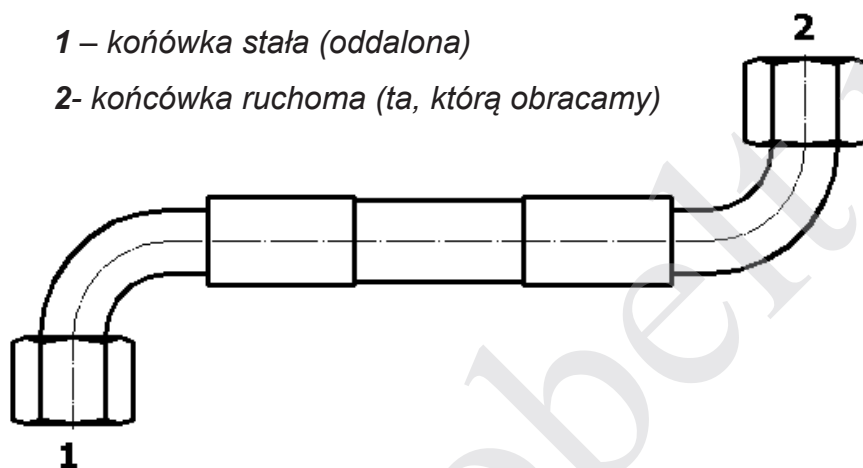
| Długość przewodu [mm] | Tolerancja wykonania [mm] |
|--------------------------|------------------------------|
| do 300 mm | +5 |
| od 300 mm do 1000 mm | +10 |
| od 1000 mm do 3000 mm | ±15 |
| ponad 3000 mm | ±1% |

OKREŚLENIE KĄTA SKRĘCENIA KOŃCÓWK KĄTOWYCH

Przewody hydrauliczne z końcówkami giętymi na obu końcach standardowo montowane są tak, że wyjścia tych końcówek leżą w jednej płaszczyźnie i skierowane są w jednym kierunku. Inne wzajemne położenie kątowe końcówek musi być zaznaczone (poz. **k** i **l** w oznaczeniu przewodu).

1 – końcówka stała (oddalona)

2 – końcówka ruchoma (ta, którą obracamy)



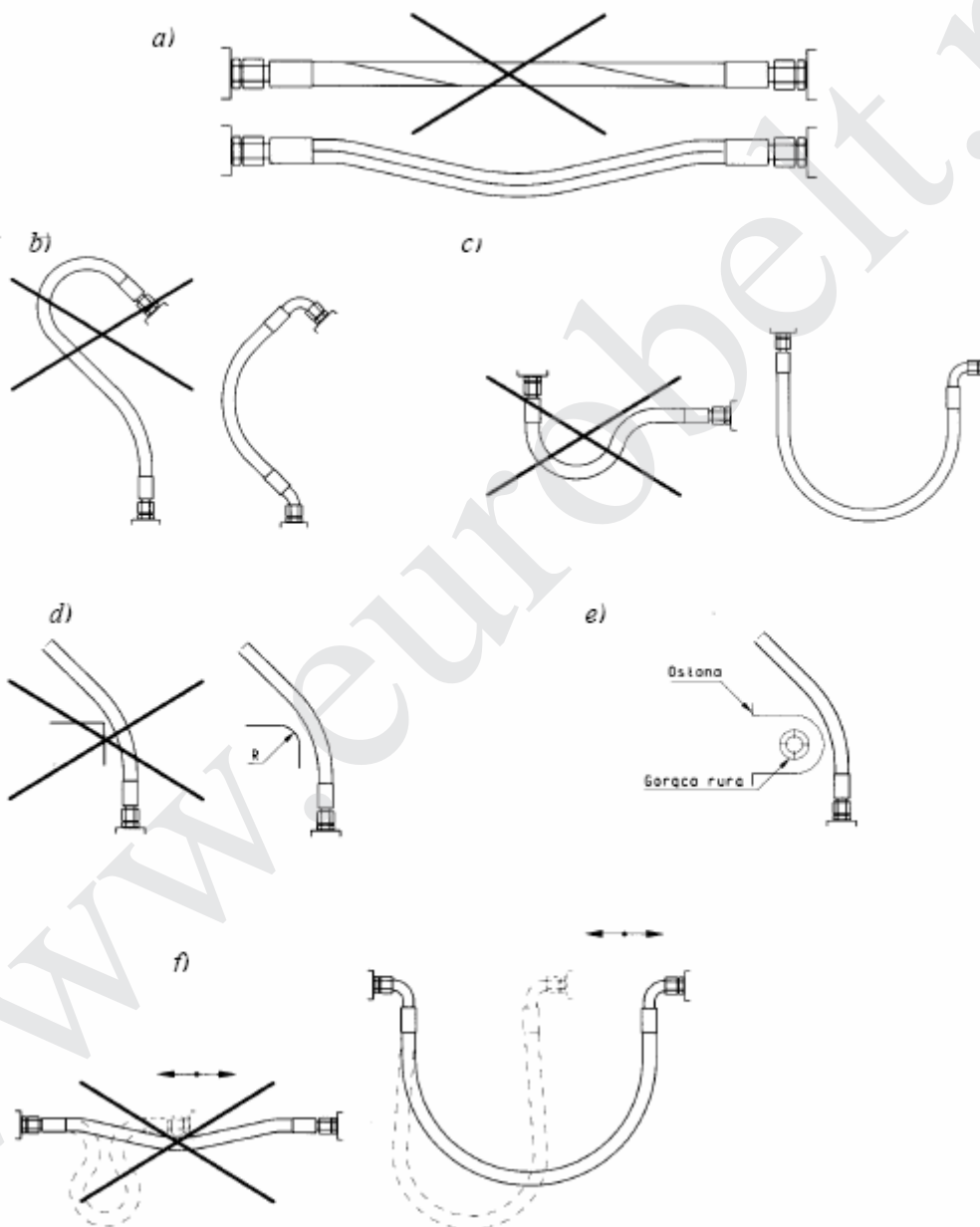
Tolerancja kąta skręcania między końcówkami kątowymi $\pm 5^\circ$

Przykłady zalecanego montażu przewodów.

Należy unikać nagłego zginania przewodów zwłaszcza tuż za końcówką metalową.

UWAGA!

Zainstalowany przewód nie powinien przekraczać dopuszczalnych promieni zgięcia określonych przez producenta węży.



KATALOG



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