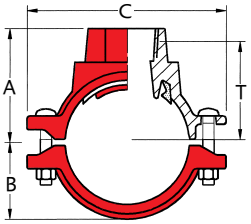
# Odejście instalacyjne

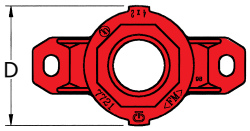
## Odejście gwintowane, klasa 7721



### Specyfikacja techniczna

- **Dostępne rozmiary (nominalne):** od DN50 / 2” x DN15 / ½” do DN200 / 8” x DN100 / 4”
- **Maksymalne ciśnienie robocze:** sklasyfikowane do 20,7 bar (300 PSI)
- **Materiał:** żeliwo zgodne z ASTM A536 Grupa 65-45-12. Uszczelka z EPDM klasy „E” (opcjonalnie klasa „T” z nitrylu). Platerowane śruby centrujące zgodne z ASTM A449-83a (lub A183 Grupa 2) i nakrętki zgodne z ASTM A563.
- **Wykończenie:** Czerwony RAL3000, ocynkowany lub powłoka epoksydowa




LISTED · FM APPROVED · VdS · LPCB

### Odejście instalacyjne. Odejście gwintowane, klasa 7721

Cechy fizyczne

| Średnica zewnętrzna | | Wymiar otworu | | Wymiary (mm / cale) | | | | | Wymiar śruby ø x L cale | Waga kg / funty | Wykończenie | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| metryczne | cale | Średnica otworu | Średnica maksymalna | T§ | A | B | C | D | | | Malowane | Ocynkowane |
| 60.3 x DN15 | 2 x 0.5 | 38 / 1.50 | 41 / 1.63 | 50 / 1.97 | 64 / 2.50 | 40 / 1.57 | 128 / 5.04 | 73 / 2.87 | 3/8 x 2 1/8 | 1.1 / 2.4 | 7721/060021B | 7721/060021BG |
| 60.3 x DN20 | 2 x 0.75 | 38 / 1.50 | 41 / 1.63 | 50 / 1.97 | 64 / 2.50 | 40 / 1.57 | 128 / 5.04 | 73 / 2.87 | 3/8 x 2 1/8 | 1.1 / 2.4 | 7721/060027B | 7721/060027BG |
| 60.3 x DN25 | 2 x 1.0 | 38 / 1.50 | 41 / 1.63 | 51 / 2.00 | 68 / 2.68 | 40 / 1.57 | 128 / 5.04 | 73 / 2.87 | 3/8 x 2 1/8 | 1.2 / 2.7 | 7721/060034B | 7721/060034BG |
| 60.3 x DN32 | 2 x 1.25 | 45 / 1.75 | 48 / 1.88 | 53 / 2.08 | 71 / 2.80 | 40 / 1.57 | 128 / 5.04 | 82 / 3.22 | 3/8 x 2 1/8 | 1.3 / 2.9 | 7721/060042B | 7721/060042BG |
| 60.3 x DN40 | 2 x 1.5 | 45 / 1.75 | 48 / 1.88 | 53 / 2.08 | 71 / 2.80 | 40 / 1.57 | 128 / 5.04 | 82 / 3.22 | 3/8 x 2 1/8 | 1.3 / 2.9 | 7721/060048B | 7721/060048BG |
| 76.1 x DN15 | 2.5 x 3OD x 0.5 | 38 / 1.50 | 41 / 1.63 | 57 / 2.25 | 71 / 2.80 | 48 / 1.89 | 146 / 5.75 | 73 / 2.87 | 1/2 x 3 | 1.4 / 3.1 | 7721/076021B | 7721/076021BG |
| 76.1 x DN20 | 2.5 x 3OD x 0.75 | 38 / 1.50 | 41 / 1.63 | 59 / 2.32 | 71 / 2.80 | 48 / 1.89 | 146 / 5.75 | 73 / 2.87 | 1/2 x 3 | 1.4 / 3.1 | 7721/076027B | 7721/076027BG |
| 76.1 x DN25 | 2.5 x 3OD x 1.0 | 38 / 1.50 | 41 / 1.63 | 58 / 2.28 | 75 / 2.95 | 48 / 1.89 | 146 / 5.75 | 73 / 2.87 | 1/2 x 3 | 1.5 / 3.3 | 7721/076034B | 7721/076034BG |
| 76.1 x DN32 | 2.5 x 3OD x 1.25 | 51 / 2.00 | 54 / 2.13 | 61 / 2.40 | 79 / 3.11 | 48 / 1.89 | 146 / 5.75 | 82 / 3.22 | 1/2 x 3 | 1.6 / 3.5 | 7721/076042B | 7721/076042BG |
| 76.1 x DN40 | 2.5 x 3OD x 1.5 | 51 / 2.00 | 54 / 2.13 | 61 / 2.40 | 79 / 3.11 | 48 / 1.89 | 146 / 5.75 | 82 / 3.22 | 1/2 x 3 | 1.6 / 3.5 | 7721/076048B | 7721/076048BG |
| 88.9 x DN15 | 3 x 0.5 | 38 / 1.50 | 41 / 1.63 | 63 / 2.47 | 81 / 3.19 | 56 / 2.20 | 160 / 6.39 | 67 / 2.63 | 1/2 x 3 | 1.6 / 3.5 | 7721/089021B | 7721/089021BG |
| 88.9 x DN20 | 3 x 0.75 | 38 / 1.50 | 41 / 1.63 | 62 / 2.44 | 81 / 3.19 | 56 / 2.20 | 160 / 6.39 | 67 / 2.63 | 1/2 x 3 | 1.6 / 3.5 | 7721/089027B | 7721/089027BG |
| 88.9 x DN25 | 3 x 1.0 | 38 / 1.50 | 41 / 1.63 | 64 / 2.50 | 81 / 3.19 | 56 / 2.20 | 160 / 6.39 | 67 / 2.63 | 1/2 x 3 | 1.7 / 3.7 | 7721/089034B | 7721/089034BG |
| 88.9 x DN32 | 3 x 1.25 | 51 / 2.00 | 54 / 2.13 | 71 / 2.80 | 89 / 3.50 | 56 / 2.20 | 160 / 6.39 | 88 / 3.46 | 1/2 x 3 | 1.9 / 4.2 | 7721/089042B | 7721/089042BG |
| 88.9 x DN40 | 3 x 1.5 | 51 / 2.00 | 54 / 2.13 | 71 / 2.80 | 89 / 3.50 | 56 / 2.20 | 160 / 6.39 | 88 / 3.46 | 1/2 x 3 | 2.0 / 4.4 | 7721/089048B | 7721/089048BG |
| 88.9 x DN50 | 3 x 2 | 64 / 2.50 | 67 / 2.63 | 72 / 2.83 | 91 / 3.58 | 56 / 2.20 | 160 / 6.39 | 101 / 3.98 | 1/2 x 3 | 2.3 / 5.1 | 7721/089060B | 7721/089060BG |
| 114.3 x DN15 | 4 x 0.5 | 38 / 1.50 | 41 / 1.63 | 76 / 3.00 | 94 / 3.70 | 72 / 2.83 | 190 / 7.48 | 67 / 2.63 | 1/2 x 3 | 1.9 / 4.2 | 7721/114021B | 7721/114021BG |
| 114.3 x DN20 | 4 x 0.75 | 38 / 1.50 | 41 / 1.63 | 75 / 2.95 | 94 / 3.70 | 72 / 2.83 | 190 / 7.48 | 67 / 2.63 | 1/2 x 3 | 1.9 / 4.2 | 7721/114027B | 7721/114027BG |
| 114.3 x DN25 | 4 x 1.0 | 38 / 1.50 | 41 / 1.63 | 77 / 3.03 | 94 / 3.70 | 72 / 2.83 | 190 / 7.48 | 67 / 2.63 | 1/2 x 3 | 2.0 / 4.4 | 7721/114034B | 7721/114034BG |
| 114.3 x DN32 | 4 x 1.25 | 51 / 2.00 | 54 / 2.13 | 81 / 3.19 | 99 / 3.89 | 72 / 2.83 | 190 / 7.48 | 85 / 3.35 | 1/2 x 3 | 2.2 / 4.8 | 7721/114042B | 7721/114042BG |
| 114.3 x DN40 | 4 x 1.5 | 51 / 2.00 | 54 / 2.13 | 81 / 3.19 | 99 / 3.89 | 72 / 2.83 | 190 / 7.48 | 85 / 3.35 | 1/2 x 3 | 2.3 / 5.1 | 7721/114048B | 7721/114048BG |
| 114.3 x DN50 | 4 x 2 | 64 / 2.50 | 67 / 2.63 | 86 / 3.38 | 105 / 4.13 | 72 / 2.83 | 190 / 7.48 | 101 / 3.98 | 1/2 x 3 | 2.7 / 5.9 | 7721/114060B | 7721/114060BG |
| 114.3 x DN65US (73.0) | 4 x 2.5 | 70 / 2.75 | 73 / 2.88 | 82 / 3.23 | 111 / 4.37 | 72 / 2.83 | 190 / 7.48 | 112 / 4.40 | 1/2 x 3 | 3.3 / 73 | 7721/114073B | 7721/114073BG |
| 114.3 x DN65EU (76.1) | 4 x 2.5 | 70 / 2.75 | 73 / 2.88 | 82 / 3.23 | 111 / 4.37 | 72 / 2.83 | 190 / 7.48 | 112 / 4.40 | 1/2 x 3 | 3.3 / 73 | 7721/114076B | 7721/114076BG |
| 114.3 x DN80 | 4 x 3 | 89 / 3.50 | 92 / 3.63 | 82 / 3.23 | 112 / 4.40 | 72 / 2.83 | 190 / 7.48 | 136 / 5.35 | 1/2 x 3 | 5.6 / 12.3 | 7721/114089B | 7721/114089BG |
| 141.3 x DN50* | 5 x 1 | 64 / 2.50 | 67 / 2.63 | 105 / 4.13 | 124 / 4.88 | 86 / 3.39 | 236 / 9.29 | 102 / 4.00 | 5/8 x 3 1/2 | 4.2 / 9.2 | 7721/141060B | 7721/141060BG |
| 141.3 x DN65US (73.0)* | 5 x 2.5 | 70 / 2.75 | 73 / 2.88 | 99 / 3.89 | 127 / 5.00 | 86 / 3.39 | 236 / 9.29 | 118 / 4.65 | 5/8 x 3 1/2 | 4.5 / 9.9 | 7721/141073B | 7721/141073BG |
| 141.3 x DN65EU (76.1)* | 5 x 2.5 | 70 / 2.75 | 73 / 2.88 | 99 / 3.89 | 127 / 5.00 | 86 / 3.39 | 236 / 9.29 | 118 / 4.65 | 5/8 x 3 1/2 | 4.5 / 9.9 | 7721/114076B | 7721/114076BG |
| 168.3 x DN32** | 6 x 1.25 | 51 / 2.00 | 54 / 2.13 | 109 / 4.29 | 127 / 5.00 | 98 / 3.86 | 256 / 10.07 | 93 / 3.66 | 5/8 x 5 5/16 | 4.4 / 9.7 | 7721/168042B | 7721/168042BG |
| 168.3 x DN40** | 6 x 1.5 | 51 / 2.00 | 54 / 2.13 | 109 / 4.29 | 127 / 5.00 | 98 / 3.86 | 256 / 10.07 | 93 / 3.66 | 5/8 x 5 5/16 | 4.4 / 9.7 | 7721/168048B | 7721/168048BG |
| 168.3 x DN50** | 6 x 2 | 64 / 2.50 | 67 / 2.63 | 113 / 4.45 | 132 / 5.29 | 98 / 3.86 | 256 / 10.07 | 101 / 3.98 | 5/8 x 5 5/16 | 4.8 / 10.6 | 7721/168060B | 7721/168060BG |
| 168.3 x DN65US (73.0)** | 6 x 2.5 | 70 / 2.75 | 73 / 2.88 | 111 / 4.37 | 140 / 5.50 | 98 / 3.86 | 256 / 10.07 | 118 / 4.65 | 5/8 x 5 5/16 | 5.4 / 11.9 | 7721/168073B | 7721/168073BG |
| 168.3 x DN65EU (76.1)** | 6 x 2.5 | 70 / 2.75 | 73 / 2.88 | 111 / 4.37 | 140 / 5.50 | 98 / 3.86 | 256 / 10.07 | 118 / 4.65 | 5/8 x 5 5/16 | 5.4 / 11.9 | 7721/168076B | 7721/168076BG |
| 168.3 x DN80** | 6 x 3 | 89 / 3.50 | 92 / 3.63 | 110 / 4.33 | 140 / 5.50 | 98 / 3.86 | 256 / 10.07 | 137 / 5.39 | 5/8 x 5 5/16 | 6.0 / 13.2 | 7721/168089B | 7721/168089BG |
| 168.3 x DN100** | 6 x 4 | 114 / 4.50 | 117 / 4.63 | 107 / 4.21 | 140 / 5.50 | 98 / 3.86 | 256 / 10.07 | 164 / 6.46 | 5/8 x 5 5/16 | 6.6 / 14.5 | 7721/168114B | 7721/168114BG |
| 219.1 x DN50 | 8 x 2 | 70 / 2.75 | 73 / 2.88 | 135 / 5.31 | 166 / 6.54 | 120 / 4.72 | 327 / 12.87 | 101 / 3.98 | 3/4 x 4 3/4 | 6.2 / 13.6 | 7721/219060B | 7721/219060BG |
| 219.1 x DN65US (73.0) | 8 x 2.5 | 70 / 2.75 | 73 / 2.88 | 137 / 5.39 | 166 / 6.54 | 120 / 4.72 | 327 / 12.87 | 104 / 4.09 | 3/4 x 4 3/4 | 6.3 / 13.9 | 7721/219073B | 7721/219073BG |
| 219.1 x DN65EU (76.1) | 8 x 2.5 | 70 / 2.75 | 73 / 2.88 | 137 / 5.39 | 166 / 6.54 | 120 / 4.72 | 327 / 12.87 | 104 / 4.09 | 3/4 x 4 3/4 | 6.3 / 13.9 | 7721/219076B | 7721/219076BG |
| 219.1 x DN80 | 8 x 3 | 89 / 3.50 | 92 / 3.63 | 136 / 5.35 | 166 / 6.54 | 120 / 4.72 | 327 / 12.87 | 128 / 5.04 | 3/4 x 4 3/4 | 7.1 / 15.6 | 7721/219089B | 7721/219089BG |
| 219.1 x DN100 | 8 x 4 | 114 / 4.50 | 117 / 4.63 | 133 / 5.24 | 166 / 6.54 | 120 / 4.72 | 327 / 12.87 | 164 / 6.46 | 3/4 x 4 3/4 | 8.0 / 17.6 | 7721/219114B | 7721/219114BG |

* średnica 141,3 pasuje również do średnicy zewnętrznej 139,7 mm
** średnica 168,3 pasuje również do średnicy zewnętrznej 165,1 mm
§ od osi odejścia do końcówki rury łączonej



Przetłumaczone na język polski
2010-02-24

# Mechanical Tee

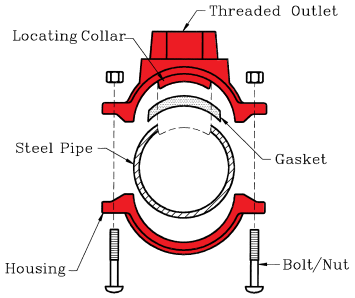
## Class 7721 Threaded Outlet



### Mechanical Tee - Class 7721 Threaded Outlet — Installation

The King System hole-cut mechanical tee provides a fast and easy mid-point branch outlet without welding. First a hole is cut or drilled at the desired outlet location. The mechanical tee is then positioned so that the built-in locating collar fits within the hole.

As the housing bolts are tightened the pressure moulded gasket forms a leak-tight seal. Use of the King mechanical tee can eliminate the need for multiple couplings and fittings. Bolts should be tightened equally and evenly.




### Mechanical Tee - Class 7721 — Bolt Fastening Torque

| Bolt Size | Torque N-m/Ft-Lb |
|---|---|
| 3/8 Ø | **68** / 50 |
| 1/2 Ø | **75** / 55 |
| 5/8 Ø | **136** / 100 |
| 3/4 Ø | **150** / 110 |

### Mechanical Tee - Class 7722 — Bolt Fastening Torque

All mechanical tees and crosses are designed with a gap between the bolt pads. Do not attempt to bring the bolt pads together (metal-to-metal) when tightening the housings. Excessive torque may result in joint failure. Apply the recommended bolt fastening torque given in the table above.

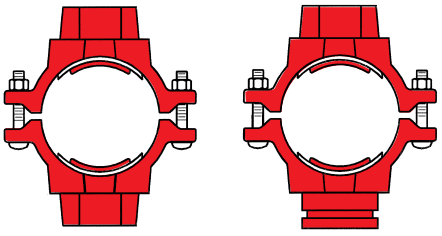
### Mechanical Tee - Class 7721 — Flow Data (Frictional Resistance)

| Branch Size (mm / inch) | CV Value | E.P.L. metres/feet |
|---|---|---|
| **15** / 1/2 | **17** | - |
| **20** / 3/4 | **21** | - |
| **25** / 1 | **25** | - |
| **32** / 1 1/4 | **45** | - |
| **40** / 1 1/2 | **60** | **2.1** / 7.0 |
| **50** / 2 | **100** | **2.7** / 9.0 |
| **65** / 2 1/2 | **135** | **3.4** / 11.0 |
| **80** / 3 | **200** | **4.1** / 13.5 |
| **100** / 4 | **400** | **6.1** / 20.0 |

### Mechanical Tee - Class 7721 — Mechanical Cross Connections

A mechanical cross connection can be made by combining two mechanical tee upper housing segments. While the housing segments must be the same size the branch outlets can be of the same or differing sizes and configurations as shown.

**Caution:** Piping practices require that main and branch connections are at a true 90° angle. Also be certain that the locating collar is securely positioned inside the outlet hole before tightening the housing. When mechanical tees or mechanical crosses are used as transition pieces between two runs, the tees or crosses shall be assembled prior to making the branch connections.



**Threaded x Threaded**
**Class 7721 + Class 7721**

**Threaded x Groooved**
**Class 7721 + Class 7722**

2007-06-04