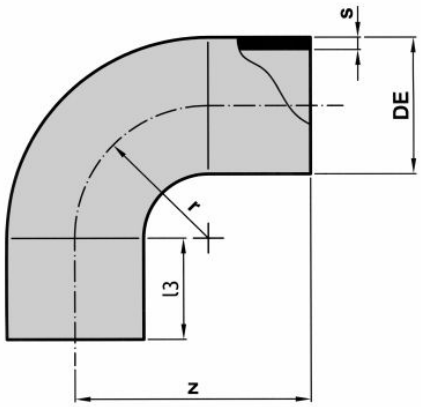
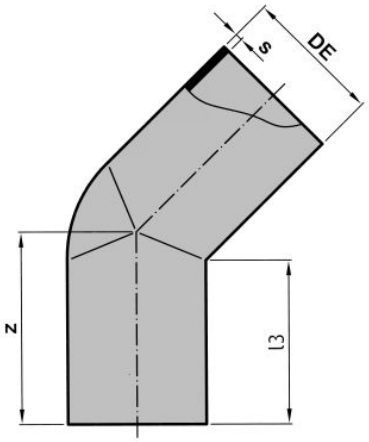
# PPN
## Raccordi per saldatura testa a testa
## Curve 90 gradi, con terminali prolungati



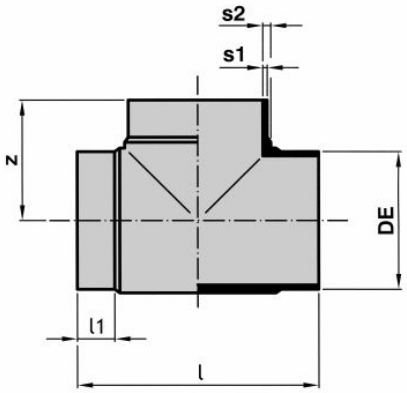

| ARTICOLO | | PN 10 - ISO S-5 SDR 11 | | | | | |
|---|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.022_71 | r [mm] | z [mm] | s [mm] | l3 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.022.0020.71 | 20 | 60,0 ±3,0 | 1,9 | 40,0 ±3,0 | 0,01 | 100 |
| 25 | 2.022.0025.71 | 25 | 68,5 ±3,0 | 2,3 | 42,5 ±3,0 | 0,02 | 80 |
| 32 | 2.022.0032.71 | 32 | 79,0 ±3,0 | 2,9 | 47,0 ±3,0 | 0,04 | 50 |
| 40 | 2.022.0040.71 | 40 | 92,5 ±3,0 | 3,7 | 52,0 ±3,0 | 0,07 | 30 |
| 50 | 2.022.0050.71 | 50 | 108,5 ±3,0 | 4,6 | 58,5 ±3,0 | 0,13 | 30 |
| 63 | 2.022.0063.71 | 63 | 129,5 ±3,0 | 5,8 | 66,5 ±3,0 | 0,25 | 20 |
| 90 | 2.022.0090.71 | 90 | 168,0 ±3,0 | 8,2 | 76,0 ±3,0 | 0,62 | 9 |
| 110 | 2.022.0110.71 | 110 | 192,0 ±3,0 | 10,0 | 82,0 ±3,0 | 1,10 | 6 |

# PPN
## Raccordi per saldatura testa a testa
## Gomiti 45 gradi, con terminali prolungati



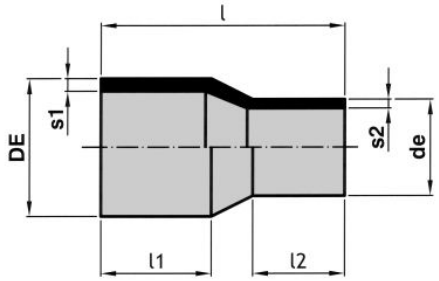

| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | |
|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.031_71 | z [mm] | s [mm] | l3 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.031.0020.71 | 44 ±1,5 | 1,9 | 39 ±1,5 | 0,01 | 50 |
| 25 | 2.031.0025.71 | 48 ±1,5 | 2,3 | 42 ±1,5 | 0,02 | 40 |
| 32 | 2.031.0032.71 | 57 ±1,5 | 2,9 | 49 ±1,5 | 0,03 | 50 |
| 40 | 2.031.0040.71 | 63 ±1,5 | 3,7 | 53 ±1,5 | 0,06 | 40 |
| 50 | 2.031.0050.71 | 70 ±1,5 | 4,6 | 57 ±1,5 | 0,09 | 30 |
| 63 | 2.031.0063.71 | 80 ±1,5 | 5,8 | 67 ±1,5 | 0,16 | 15 |
| 90 | 2.031.0090.71 | 104 ±1,5 | 8,2 | 82 ±1,5 | 0,43 | 12 |
| 110 | 2.031.0110.71 | 114 ±1,5 | 10,2 | 85 ±1,5 | 0,69 | 4 |

# PPN
## Raccordi per saldatura testa a testa
## T 90 gradi normali



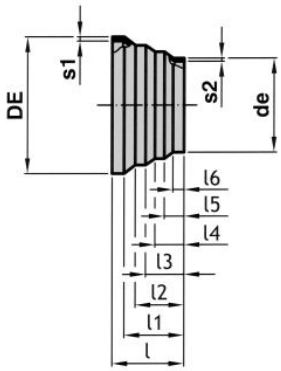

| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.040_71 | z [mm] | s1 [mm] | s2 [mm] | l [mm] | l1 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.040.0020.71 | 34 ±2,5 | 2,5 | 3,3 | 68 ±2,5 | 17,5 ±2,5 | 0,01 | 160 |
| 25 | 2.040.0025.71 | 40 ±2,5 | 2,7 | 4,0 | 80 ±2,5 | 20,5 ±2,5 | 0,03 | 60 |
| 32 | 2.040.0032.71 | 45 ±2,5 | 3,0 | 4,5 | 90 ±2,5 | 20,5 ±2,5 | 0,04 | 50 |
| 40 | 2.040.0040.71 | 50 ±2,5 | 3,7 | 6,8 | 100 ±2,5 | 20,5 ±2,5 | 0,07 | 40 |
| 50 | 2.040.0050.71 | 60 ±2,5 | 4,6 | 7,0 | 120 ±2,5 | 23 ±2,5 | 0,11 | 40 |
| 63 | 2.040.0063.71 | 72 ±2,5 | 5,8 | 10,7 | 144 ±2,5 | 25 ±2,5 | 0,22 | 14 |
| 90 | 2.040.0090.71 | 105 ±2,5 | 8,2 | 13,1 | 213 ±2,5 | 38 ±2,5 | 0,69 | 8 |
| 110 | 2.040.0110.71 | 122 ±2,5 | 10,0 | 15,0 | 253 ±2,5 | 51 ±2,5 | 1,22 | 6 |

# PPN
## Raccordi per saldatura testa a testa
## Riduzioni concentriche, con terminali prolungati



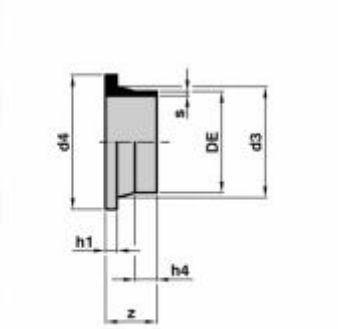

| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DE/de [mm/mm] | PPN 2.051_71 | s1 [mm] | s2 [mm] | l [mm] | l1 [mm] | l2 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 25/20 | 2.051.2520.71 | 2,3 | 1,9 | 87 ±2,5 | 41,5 ±1,5 | 41 ±1,5 | 0,02 | 50 |
| 32/20 | 2.051.3220.71 | 2,9 | 1,9 | 92 ±2,5 | 45,5 ±1,5 | 40 ±1,5 | 0,02 | 80 |
| 32/25 | 2.051.3225.71 | 2,9 | 2,3 | 92 ±2,5 | 44 ±1,5 | 39 ±1,5 | 0,02 | 50 |
| 40/32 | 2.051.4032.71 | 3,7 | 2,9 | 105 ±2,5 | 51 ±1,5 | 45 ±1,5 | 0,04 | 50 |
| 50/25 | 2.051.5025.71 | 4,6 | 2,3 | 118 ±2,5 | 57 ±1,5 | 44 ±1,5 | 0,06 | 50 |
| 50/32 | 2.051.5032.71 | 4,6 | 2,9 | 118 ±2,5 | 59 ±1,5 | 46 ±1,5 | 0,06 | 50 |
| 63/32 | 2.051.6332.71 | 5,8 | 2,9 | 136 ±2,5 | 64 ±1,5 | 49 ±1,5 | 0,10 | 25 |
| 63/50 | 2.051.6350.71 | 5,8 | 4,6 | 150 ±2,5 | 64,5 ±1,5 | 59 ±1,5 | 0,13 | 25 |

# PPN
## Raccordi per saldatura testa a testa
## Riduzioni concentriche, con diametri intermedi




| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE/de [mm/mm] | PPN 2.055_71 | s1 [mm] | s2 [mm] | l [mm] | l1 [mm] | l2 [mm] | l3 [mm] | l4 [mm] | l5 [mm] | l6 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 63/16 | 2.055.6316.71 | 3,6 | 1,8 | 54 ±2 | 47 | 35 | 33,5 | 26 | 24,5 | 19 | 0,04 | 50 |
| 110/63 | 2.055.1163.71 | 10,0 | 5,8 | 63 ±2 | 52 | 41 | 32,0 | 24 | 15,0 | 7 | 0,13 | 25 |

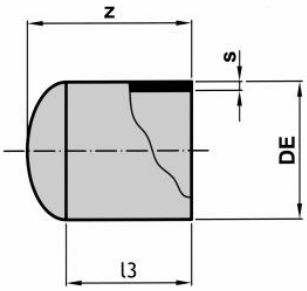
# PPN
## Raccordi per saldatura testa a testa
## Cartelle




| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.060_71 | z [mm] | s [mm] | d3 [mm] | d4 [mm] | h1 [mm] | h4 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.060.0020.71 | 52+3,0 | 1,9 | 27-3,0 | 45-1,5 | 7+1,5 | 30 ±2,0 | 0,01 | 100 |
| 25 | 2.060.0025.71 | 52+3,0 | 2,3 | 33-3,0 | 58-1,5 | 9+1,5 | 25 ±2,0 | 0,03 | 200 |
| 32 | 2.060.0032.71 | 50+3,0 | 2,9 | 40-3,0 | 68-1,5 | 10+1,5 | 25 ±2,0 | 0,05 | 60 |
| 40 | 2.060.0040.71 | 52+3,0 | 3,7 | 50-3,0 | 78-1,5 | 11+1,5 | 24 ±2,0 | 0,06 | 50 |
| 50 | 2.060.0050.71 | 53+3,0 | 4,6 | 61-3,0 | 88-1,5 | 12+1,5 | 22 ±2,0 | 0,09 | 80 |
| 63 | 2.060.0063.71 | 50+3,0 | 5,8 | 75-3,0 | 102-1,5 | 14+1,5 | 20 ±2,0 | 0,13 | 60 |
| 90 | 2.060.0090.71 | 82+3,0 | 8,2 | 105-4,0 | 138-1,5 | 17+1,5 | 40 ±2,0 | 0,32 | 20 |
| 110 | 2.060.0110.71 | 82+3,0 | 10,0 | 125-4,0 | 158-1,5 | 18+1,5 | 38 ±2,0 | 0,45 | 16 |

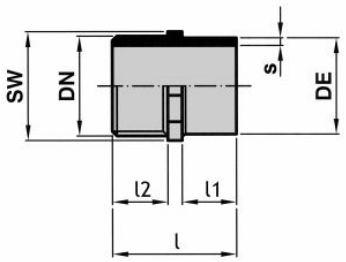
| ARTICOLO | | ANSI 150 - SDR 11 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.060_151 | z [mm] | s [mm] | d3 [mm] | d4 [mm] | h1 [mm] | h4 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.060.0020.151 | 52+3,0 | 1,9 | 27-3,0 | 44,5-1,5 | 7+1,5 | 30 ±2,0 | 0,02 | 100 |
| 25 | 2.060.0025.151 | 52+3,0 | 2,3 | 33-3,0 | 54,1-1,5 | 9+1,5 | 25 ±2,0 | 0,03 | 200 |
| 32 | 2.060.0032.151 | 50+3,0 | 2,9 | 40-3,0 | 63,5-1,5 | 10+1,5 | 25 ±2,0 | 0,05 | 40 |
| 40 | 2.060.0040.151 | 52+3,0 | 3,7 | 50-3,0 | 71,5-1,5 | 11+1,5 | 24 ±2,0 | 0,05 | 50 |
| 50 | 2.060.0050.151 | 50+3,0 | 4,6 | 61-3,0 | 82,6-1,5 | 12+1,5 | 22 ±2,0 | 0,08 | 40 |
| 63 | 2.060.0063.151 | 50+3,0 | 5,8 | 75-3,0 | 100,4-1,5 | 14+1,5 | 20 ±2,0 | 0,12 | 25 |
| 90 | 2.060.0090.151 | 82+3,0 | 8,2 | 105-4,0 | 132,4-1,5 | 17+1,5 | 40 ±2,0 | 0,28 | 20 |

# PPN
## Raccordi per saldatura testa a testa
## Calotte, con terminali prolungati



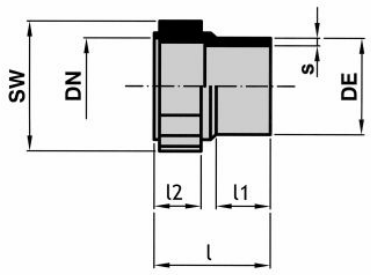

| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | |
|---|---|---|---|---|---|---|
| DE [mm] | PPN 2.071_71 | z [mm] | s [mm] | l3 [mm] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.071.0020.71 | 47 ±1,5 | 1,9 | 41 ±1,5 | 0,01 | 70 |
| 25 | 2.071.0025.71 | 49 ±1,5 | 2,3 | 41 ±1,5 | 0,01 | 50 |
| 32 | 2.071.0032.71 | 56 ±1,5 | 2,9 | 47 ±1,5 | 0,02 | 50 |
| 40 | 2.071.0040.71 | 64 ±1,5 | 3,7 | 51 ±1,5 | 0,04 | 35 |
| 50 | 2.071.0050.71 | 73 ±1,5 | 4,6 | 60 ±1,5 | 0,04 | 40 |
| 63 | 2.071.0063.71 | 84 ±1,5 | 5,8 | 68 ±1,5 | 0,09 | 25 |

# PPN
## Raccordi per saldatura testa a testa
## Nippli con filetto maschio



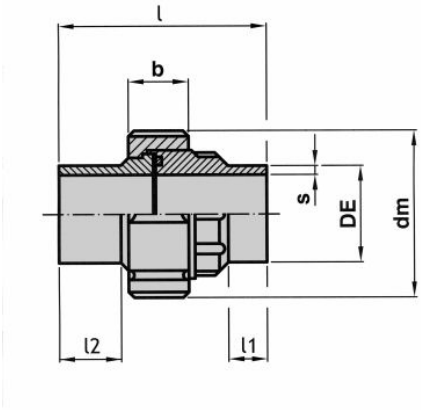

| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN NPT 2.101_71 | s [mm] | l [mm] | l1 [mm] | l2 [mm] | SW [mm] | DN [inch] | MOP [bar] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.101.2012.71 | 1,9 | 46 ±2,5 | 20,5 ±1,5 | 18 ±1,5 | 22 | 1/2" | 10 | 0,01 | 60 |
| 25 | 2.101.2534.71 | 2,3 | 51 ±2,5 | 22,5 ±1,5 | 20 ±1,5 | 27 | 3/4" | 10 | 0,01 | 50 |
| 32 | 2.101.3210.71 | 2,9 | 61 ±2,5 | 29 ±1,5 | 24 ±1,5 | 36 | 1" | 10 | 0,02 | 40 |
| 40 | 2.101.4114.71 | 3,7 | 66 ±2,5 | 29 ±1,5 | 26 ±1,5 | 46 | 1 1/4" | 10 | 0,03 | 50 |
| 50 | 2.101.5112.71 | 4,6 | 74 ±2,5 | 33 ±1,5 | 29 ±1,5 | 55 | 1 1/2" | 10 | 0,06 | 40 |
| 63 | 2.101.6320.71 | 5,8 | 80 ±2,5 | 35 ±1,5 | 31 ±1,5 | 65 | 2" | 10 | 0,08 | 25 |

# PPN
## Raccordi per saldatura testa a testa
## Nippli con filetto femmina




| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN NPT 2.105_71 | s [mm] | l [mm] | l1 [mm] | l2 [mm] | SW [mm] | DN [inch] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.105.2012.71 | 1,9 | 45 ±2,5 | 21 ±1,5 | 16 ±1,5 | 32 | 1/2" | 0,01 | 50 |
| 25 | 2.105.2534.71 | 2,3 | 51 ±2,5 | 24 ±1,5 | 18 ±1,5 | 41 | 3/4" | 0,02 | 50 |
| 32 | 2.105.3210.71 | 3,0 | 58 ±2,5 | 30 ±1,5 | 20 ±1,5 | 46 | 1" | 0,03 | 30 |
| 40 | 2.105.4114.71 | 3,7 | 62 ±2,5 | 30 ±1,5 | 24 ±1,5 | 55 | 1 1/4" | 0,05 | 50 |
| 50 | 2.105.5112.71 | 4,6 | 68 ±2,5 | 34 ±1,5 | 25,5 ±1,5 | 70 | 1 1/2" | 0,10 | 30 |
| 63 | 2.105.6320.71 | 5,8 | 75 ±2,5 | 36 ±1,5 | 30 ±1,5 | 85 | 2" | 0,16 | 24 |

# PPN
## Raccordi per saldatura testa a testa
## Bocchettoni




| ARTICOLO | | PN 10 - ISO S-5 - SDR 11 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DE [mm] | PPN FPM 2.121_71 | s [mm] | l [mm] | l1 [mm] | l2 [mm] | dm [mm] | b [mm] | MOP [bar] | Peso [Kg] | Conf. [Pz/Pc] |
| 20 | 2.121.0020.71 | 1,9 | 108 ±2,5 | 24 ±1,5 | 38 ±1,5 | 47 ±1,5 | 24 ±1,5 | 10 | 0,05 | 50 |
| 25 | 2.121.0025.71 | 2,3 | 114 ±2,5 | 24 ±1,5 | 39 ±1,5 | 57 ±1,5 | 26 ±1,5 | 10 | 0,08 | 50 |
| 32 | 2.121.0032.71 | 2,9 | 122 ±2,5 | 25 ±1,5 | 39 ±1,5 | 64 ±1,5 | 30 ±1,5 | 10 | 0,11 | 30 |
| 40 | 2.121.0040.71 | 3,7 | 128 ±2,5 | 25 ±1,5 | 42 ±1,5 | 78 ±1,5 | 31 ±1,5 | 10 | 0,18 | 20 |
| 50 | 2.121.0050.71 | 4,6 | 134 ±2,5 | 25 ±1,5 | 44 ±1,5 | 89 ±1,5 | 35 ±1,5 | 10 | 0,24 | 15 |
| 63 | 2.121.0063.71 | 5,8 | 138 ±2,5 | 25 ±1,5 | 44 ±1,5 | 109 ±1,5 | 39 ±1,5 | 10 | 0,39 | 8 |