

11 Lieferprogramm, Maße, Toleranzen und Durchflussquerschnitt HPL-Rohre

11 Product Range, dimensions, tolerances and flow cross section

11 Programme de livraison, dimensions, tolérances et section de passage

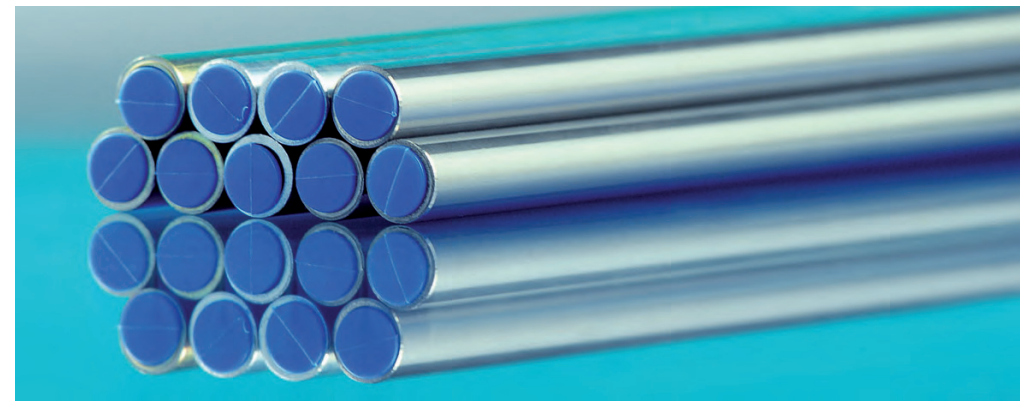


Tabelle 16: Lieferprogramm, Maße, Toleranzen und Durchflussquerschnitt

Table 16: Product range, dimensions, permissible deviations and flow cross section

Tableau 16: Programme de livraison, dimensions, tolérances et section de passage

| Außendurchmesser | Toleranzen | Innendurchmesser | Toleranzen | Wanddicke | Durchflussquerschnitt |
|--------------------|------------|--------------------|------------|--------------------|-----------------------|
| Outside diameter | Tolerances | Inside diameter | Tolerances | Wall thickness | Flow cross section |
| Diamètre extérieur | Tolérances | Diamètre intérieur | Tolérances | Epaisseur de paroi | Section de passage |
| mm | mm | mm | mm | mm | cm ² |
| 4 | +/-0,08 | 2,4 | +/-0,15 | 0,80 | 0,045 |
| 4 | +/-0,08 | 2,0 | +/-0,15 | 1,00 | 0,031 |
| 5 | +/-0,08 | 3,5 | +/-0,15 | 0,75 | 0,096 |
| 5 | +/-0,08 | 3,0 | +/-0,15 | 1,00 | 0,071 |
| 6 | +/-0,08 | 4,0 | +/-0,12 | 1,00 | 0,126 |
| 6 | +/-0,08 | 3,0 | +/-0,15 | 1,50 | 0,071 |
| 6 | +/-0,08 | 2,0 | +/-0,15 | 2,00 | 0,031 |
| 8 | +/-0,08 | 6,0 | +/-0,10 | 1,00 | 0,283 |
| 8 | +/-0,08 | 5,0 | +/-0,10 | 1,50 | 0,196 |
| 8 | +/-0,08 | 4,0 | +/-0,15 | 2,00 | 0,126 |
| 8 | +/-0,08 | 3,0 | +/-0,15 | 2,50 | 0,071 |
| 10 | +/-0,08 | 8,0 | +/-0,08 | 1,00 | 0,503 |
| 10 | +/-0,08 | 7,0 | +/-0,12 | 1,50 | 0,385 |
| 10 | +/-0,08 | 6,0 | +/-0,15 | 2,00 | 0,283 |
| 10 | +/-0,08 | 5,0 | +/-0,15 | 2,50 | 0,196 |
| 12 | +/-0,08 | 10,0 | +/-0,08 | 1,00 | 0,785 |
| 12 | +/-0,08 | 9,0 | +/-0,10 | 1,50 | 0,636 |
| 12 | +/-0,08 | 8,0 | +/-0,12 | 2,00 | 0,503 |
| 12 | +/-0,08 | 7,0 | +/-0,15 | 2,50 | 0,385 |
| 14 | +/-0,08 | 12,0 | +/-0,08 | 1,00 | 1,131 |
| 14 | +/-0,08 | 11,0 | +/-0,08 | 1,50 | 0,950 |
| 14 | +/-0,08 | 10,0 | +/-0,10 | 2,00 | 0,785 |
| 14 | +/-0,08 | 9,0 | +/-0,12 | 2,50 | 0,636 |
| 15 | +/-0,08 | 13,0 | +/-0,08 | 1,00 | 1,327 |
| 15 | +/-0,08 | 12,0 | +/-0,08 | 1,50 | 1,131 |
| 15 | +/-0,08 | 11,0 | +/-0,10 | 2,00 | 0,950 |
| 15 | +/-0,08 | 10,0 | +/-0,12 | 2,50 | 0,785 |
| 15 | +/-0,08 | 9,0 | +/-0,15 | 3,00 | 0,636 |

| Außendurchmesser | Toleranzen | Innendurchmesser | Toleranzen | Wanddicke | Durchflussquerschnitt |
|--------------------|------------|--------------------|------------|--------------------|-----------------------|
| Outside diameter | Tolerances | Inside diameter | Tolerances | Wall thickness | Flow cross section |
| Diamètre extérieur | Tolérances | Diamètre intérieur | Tolérances | Epaisseur de paroi | Section de passage |
| mm | mm | mm | mm | mm | cm ² |
| 16 | +/-0,08 | 14,0 | +/-0,08 | 1,00 | 1,539 |
| 16 | +/-0,08 | 13,0 | +/-0,08 | 1,50 | 1,327 |
| 16 | +/-0,08 | 12,0 | +/-0,15 | 2,00 | 1,131 |
| 16 | +/-0,08 | 11,0 | +/-0,15 | 2,50 | 0,950 |
| 16 | +/-0,08 | 10,0 | +/-0,15 | 3,00 | 0,785 |
| 16 | +/-0,08 | 9,0 | +/-0,15 | 3,50 | 0,636 |
| 18 | +/-0,08 | 16,0 | +/-0,08 | 1,00 | 2,011 |
| 18 | +/-0,08 | 15,0 | +/-0,08 | 1,50 | 1,767 |
| 18 | +/-0,08 | 14,0 | +/-0,08 | 2,00 | 1,539 |
| 18 | +/-0,08 | 13,0 | +/-0,15 | 2,50 | 1,327 |
| 18 | +/-0,08 | 12,0 | +/-0,15 | 3,00 | 1,131 |
| 20 | +/-0,08 | 17,0 | +/-0,08 | 1,50 | 2,270 |
| 20 | +/-0,08 | 16,0 | +/-0,08 | 2,00 | 2,011 |
| 20 | +/-0,08 | 15,0 | +/-0,15 | 2,50 | 1,767 |
| 20 | +/-0,08 | 14,0 | +/-0,15 | 3,00 | 1,539 |
| 20 | +/-0,08 | 13,0 | +/-0,15 | 3,50 | 1,327 |
| 20 | +/-0,08 | 12,0 | +/-0,15 | 4,00 | 1,131 |
| 20 | +/-0,08 | 11,0 | +/-0,15 | 4,50 | 0,950 |
| 22 | +/-0,08 | 20,0 | +/-0,08 | 1,00 | 3,142 |
| 22 | +/-0,08 | 19,0 | +/-0,08 | 1,50 | 2,835 |
| 22 | +/-0,08 | 18,0 | +/-0,08 | 2,00 | 2,545 |
| 22 | +/-0,08 | 17,0 | +/-0,08 | 2,50 | 2,270 |
| 22 | +/-0,08 | 16,0 | +/-0,15 | 3,00 | 2,011 |
| 22 | +/-0,08 | 15,0 | +/-0,15 | 3,50 | 1,767 |
| 22 | +/-0,08 | 14,0 | +/-0,15 | 4,00 | 1,539 |
| 25 | +/-0,08 | 22,0 | +/-0,08 | 1,50 | 3,801 |
| 25 | +/-0,08 | 21,0 | +/-0,08 | 2,00 | 3,464 |
| 25 | +/-0,08 | 20,0 | +/-0,08 | 2,50 | 3,112 |
| 25 | +/-0,08 | 19,0 | +/-0,15 | 3,00 | 2,835 |
| 25 | +/-0,08 | 18,0 | +/-0,15 | 3,50 | 2,545 |
| 25 | +/-0,08 | 17,0 | +/-0,15 | 4,00 | 2,270 |
| 25 | +/-0,08 | 16,0 | +/-0,15 | 4,50 | 2,011 |

| Außendurchmesser | Toleranzen | Innendurchmesser | Toleranzen | Wanddicke | Durchflussquerschnitt |
|--------------------|------------|--------------------|------------|--------------------|-----------------------|
| Outside diameter | Tolerances | Inside diameter | Tolerances | Wall thickness | Flow cross section |
| Diamètre extérieur | Tolérances | Diamètre intérieur | Tolérances | Epaisseur de paroi | Section de passage |
| mm | mm | mm | mm | mm | cm ² |
| 25 | +/-0,08 | 14,0 | +/-0,15 | 5,50 | 1,539 |
| 25 | +/-0,08 | 13,0 | +/-0,15 | 6,00 | 1,327 |
| 28 | +/-0,08 | 25,0 | +/-0,08 | 1,50 | 4,909 |
| 28 | +/-0,08 | 24,0 | +/-0,08 | 2,00 | 4,524 |
| 28 | +/-0,08 | 23,0 | +/-0,08 | 2,50 | 4,155 |
| 28 | +/-0,08 | 22,0 | +/-0,15 | 3,00 | 3,801 |
| 28 | +/-0,08 | 21,0 | +/-0,15 | 3,50 | 3,464 |
| 28 | +/-0,08 | 20,0 | +/-0,15 | 4,00 | 3,112 |
| 28 | +/-0,08 | 18,0 | +/-0,15 | 5,00 | 2,545 |
| 30 | +/-0,08 | 26,0 | +/-0,08 | 2,00 | 5,309 |
| 30 | +/-0,08 | 25,0 | +/-0,08 | 2,50 | 4,909 |
| 30 | +/-0,08 | 24,0 | +/-0,15 | 3,00 | 4,524 |
| 30 | +/-0,08 | 22,0 | +/-0,15 | 4,00 | 3,801 |
| 30 | +/-0,08 | 20,0 | +/-0,15 | 5,00 | 3,112 |
| 30 | +/-0,08 | 18,0 | +/-0,15 | 6,00 | 2,545 |
| 35 | +/-0,15 | 31,0 | +/-0,15 | 2,00 | 7,548 |
| 35 | +/-0,15 | 30,0 | +/-0,15 | 2,50 | 7,069 |
| 35 | +/-0,15 | 29,0 | +/-0,15 | 3,00 | 6,605 |
| 35 | +/-0,15 | 28,0 | +/-0,15 | 3,50 | 6,158 |
| 35 | +/-0,15 | 27,0 | +/-0,15 | 4,00 | 5,726 |
| 35 | +/-0,15 | 25,0 | +/-0,15 | 5,00 | 4,909 |
| 35 | +/-0,15 | 23,0 | +/-0,15 | 6,00 | 4,155 |
| 38 | +/-0,15 | 33,0 | +/-0,15 | 2,50 | 8,553 |
| 38 | +/-0,15 | 32,0 | +/-0,15 | 3,00 | 8,042 |
| 38 | +/-0,15 | 30,0 | +/-0,15 | 4,00 | 7,069 |
| 38 | +/-0,15 | 28,0 | +/-0,15 | 5,00 | 6,158 |
| 38 | +/-0,15 | 27,0 | +/-0,15 | 5,50 | 5,726 |
| 38 | +/-0,15 | 26,0 | +/-0,15 | 6,00 | 5,309 |
| 38 | +/-0,15 | 24,0 | +/-0,15 | 7,00 | 4,524 |
| 38 | +/-0,15 | 22,0 | +/-0,15 | 8,00 | 3,801 |
| 38 | +/-0,15 | 18,0 | +/-0,15 | 10,00 | 2,545 |

| Außendurchmesser | Toleranzen | Innendurchmesser | Toleranzen | Wanddicke | Durchflussquerschnitt |
|--------------------|------------|--------------------|------------|--------------------|-----------------------|
| Outside diameter | Tolerances | Inside diameter | Tolerances | Wall thickness | Flow cross section |
| Diamètre extérieur | Tolérances | Diamètre intérieur | Tolérances | Epaisseur de paroi | Section de passage |
| mm | mm | mm | mm | mm | cm ² |
| 42 | +/-0,20 | 38,0 | +/-0,20 | 2,00 | 11,341 |
| 42 | +/-0,20 | 36,0 | +/-0,20 | 3,00 | 10,179 |
| 42 | +/-0,20 | 34,0 | +/-0,20 | 4,00 | 9,079 |
| 42 | +/-0,20 | 32,0 | +/-0,20 | 5,00 | 8,042 |
| 42 | +/-0,20 | 30,0 | +/-0,20 | 6,00 | 7,069 |
| 42 | +/-0,20 | 26,0 | +/-0,20 | 8,00 | 5,309 |
| 50 | +/-0,20 | 42,0 | +/-0,20 | 4,00 | 13,854 |
| 50 | +/-0,20 | 40,0 | +/-0,20 | 5,00 | 12,566 |
| 50 | +/-0,20 | 38,0 | +/-0,20 | 6,00 | 11,341 |
| 50 | +/-0,20 | 36,0 | +/-0,20 | 7,00 | 10,179 |
| 50 | +/-0,20 | 34,0 | +/-0,20 | 8,00 | 9,079 |
| 50 | +/-0,20 | 32,0 | +/-0,20 | 9,00 | 8,042 |
| 50 | +/-0,20 | 30,0 | +/-0,20 | 10,00 | 7,069 |
| 50 | +/-0,20 | 28,0 | +/-0,20 | 11,00 | 6,158 |
| 50 | +/-0,20 | 24,0 | +/-0,20 | 13,00 | 4,524 |
| 55 | +/-0,25 | 47,0 | +/-0,25 | 4,00 | 17,349 |
| 55 | +/-0,25 | 43,0 | +/-0,25 | 6,00 | 14,522 |
| 55 | +/-0,25 | 39,0 | +/-0,25 | 8,00 | 11,946 |
| 55 | +/-0,25 | 35,0 | +/-0,25 | 10,00 | 9,621 |
| 60 | +/-0,25 | 50,0 | +/-0,25 | 5,00 | 19,635 |
| 60 | +/-0,25 | 44,0 | +/-0,25 | 8,00 | 15,205 |
| 60 | +/-0,25 | 40,0 | +/-0,25 | 10,00 | 12,566 |
| 60 | +/-0,25 | 35,0 | +/-0,25 | 12,50 | 9,621 |
| 70 | +/-0,30 | 60,0 | +/-0,30 | 5,00 | 28,274 |
| 70 | +/-0,30 | 54,0 | +/-0,30 | 8,00 | 22,902 |
| 70 | +/-0,30 | 50,0 | +/-0,30 | 10,00 | 19,635 |
| 70 | +/-0,30 | 45,0 | +/-0,30 | 12,50 | 15,904 |
| 80 | +/-0,35 | 68,0 | +/-0,35 | 6,00 | 36,317 |
| 80 | +/-0,35 | 64,0 | +/-0,35 | 8,00 | 32,170 |
| 80 | +/-0,35 | 60,0 | +/-0,35 | 10,00 | 28,274 |
| 80 | +/-0,35 | 55,0 | +/-0,35 | 12,50 | 23,758 |

Standardabmessungen nach DIN 2445-2 Ausgabe Sept. 2000
 Standard dimensions in accordance with DIN 2445-2/Sept. 2000
 Dimensions standards selon DIN 2445-2 édition septembre 2000

Weitere Abmessungen auf Anfrage
 Other dimensions available on request
 Autre Dimensions sur demande