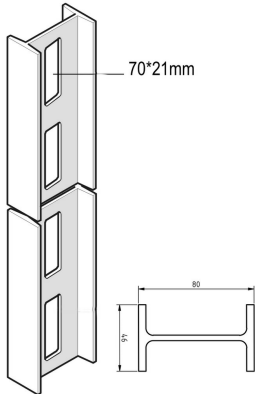


HDPIPE80S

I-Profil perforiert



| Referenz | ↕ mm | ↔ mm | → ← mm | ↔ mm | kg/m | | Einheit |
|------------------|---------|---------|------------|---------|-------|---|---------|
| HDPIPE80S | 80 | 46 | | 6000 | 5,610 | 6 | M |

Widerstandsmoment: $W_x = 19,96 \text{ cm}^3$.

Schutzkappe in gelber PVC Ausführung: DOPIPE80. 'Load tables' finden Sie unter montageprinzip.

Maximal point loads (X-X)

| L [mm] | Fmax [kN] | Deflection [mm] | Maximal Allowable deflection [mm] | Fmax [kN] for L/200 |
|--------|-----------|-----------------|-----------------------------------|---------------------|
| 250 | 74,73 | 6,43 | 3,21 | 45,15 |
| 300 | 77,97 | 6,74 | 3,37 | 47,07 |
| 350 | 81,20 | 7,07 | 3,53 | 49,02 |
| 400 | 84,44 | 7,42 | 3,70 | 51,00 |
| 450 | 8,77 | 7,78 | 3,87 | 53,00 |
| 500 | 9,10 | 8,15 | 4,04 | 55,02 |
| 550 | 9,43 | 8,52 | 4,21 | 57,06 |
| 600 | 9,76 | 8,90 | 4,38 | 59,11 |
| 650 | 10,09 | 9,28 | 4,55 | 61,18 |
| 700 | 10,42 | 9,66 | 4,72 | 63,26 |
| 750 | 10,75 | 10,04 | 4,89 | 65,35 |
| 800 | 11,08 | 10,42 | 5,06 | 67,45 |
| 850 | 11,41 | 10,80 | 5,23 | 69,56 |
| 900 | 11,74 | 11,18 | 5,40 | 71,68 |
| 950 | 12,07 | 11,56 | 5,57 | 73,81 |
| 1000 | 12,40 | 11,94 | 5,74 | 75,95 |
| 1050 | 12,73 | 12,32 | 5,91 | 78,10 |
| 1100 | 13,06 | 12,70 | 6,08 | 80,26 |
| 1150 | 13,39 | 13,08 | 6,25 | 82,43 |
| 1200 | 13,72 | 13,46 | 6,42 | 84,60 |
| 1250 | 14,05 | 13,84 | 6,59 | 86,78 |
| 1300 | 14,38 | 14,22 | 6,76 | 88,97 |
| 1350 | 14,71 | 14,60 | 6,93 | 91,17 |
| 1400 | 15,04 | 14,98 | 7,10 | 93,38 |
| 1450 | 15,37 | 15,36 | 7,27 | 95,59 |
| 1500 | 15,70 | 15,74 | 7,44 | 97,81 |
| 1550 | 16,03 | 16,12 | 7,61 | 100,04 |
| 1600 | 16,36 | 16,50 | 7,78 | 102,28 |
| 1650 | 16,69 | 16,88 | 7,95 | 104,53 |
| 1700 | 17,02 | 17,26 | 8,12 | 106,78 |
| 1750 | 17,35 | 17,64 | 8,29 | 109,04 |
| 1800 | 17,68 | 18,02 | 8,46 | 111,31 |
| 1850 | 18,01 | 18,40 | 8,63 | 113,58 |
| 1900 | 18,34 | 18,78 | 8,80 | 115,86 |
| 1950 | 18,67 | 19,16 | 8,97 | 118,15 |
| 2000 | 19,00 | 19,54 | 9,14 | 120,45 |

Profile type IPE80S

Maximal allowable deflection: **L/200**

Properties:

- Area: 20,7 cm²
- I_{xx}: 21,2 cm⁴
- I_{yy}: 9,0 cm⁴
- I_{xy}: 8,29 cm⁴
- Weight profile: 56,1 N/m
- Product weight: 528,2 N/m
- Self-weight: 1,7

Load scenario

For quantities please contact your local representative.

Maximal distributed loads Unistrut profiles (Y-Y)

| L [mm] | Fmax [kN] | Deflection [mm] | Maximal Allowable deflection [mm] | Fmax [kN] for L/200 |
|--------|-----------|-----------------|-----------------------------------|---------------------|
| 250 | 1,08 | 0,17 | 0,08 | 0,54 |
| 300 | 4,06 | 0,59 | 0,30 | 2,03 |
| 350 | 5,36 | 1,12 | 0,57 | 2,68 |
| 400 | 6,66 | 1,64 | 0,81 | 3,33 |
| 450 | 7,96 | 2,17 | 1,05 | 3,98 |
| 500 | 9,26 | 2,70 | 1,29 | 4,63 |
| 550 | 10,56 | 3,22 | 1,53 | 5,28 |
| 600 | 11,86 | 3,75 | 1,77 | 5,93 |
| 650 | 13,16 | 4,28 | 2,01 | 6,58 |
| 700 | 14,46 | 4,80 | 2,25 | 7,23 |
| 750 | 15,76 | 5,33 | 2,49 | 7,88 |
| 800 | 17,06 | 5,85 | 2,73 | 8,53 |
| 850 | 18,36 | 6,38 | 2,97 | 9,18 |
| 900 | 19,66 | 6,90 | 3,21 | 9,83 |
| 950 | 20,96 | 7,43 | 3,45 | 10,48 |
| 1000 | 22,26 | 7,95 | 3,69 | 11,13 |
| 1050 | 23,56 | 8,48 | 3,93 | 11,78 |
| 1100 | 24,86 | 9,00 | 4,17 | 12,43 |
| 1150 | 26,16 | 9,53 | 4,41 | 13,08 |
| 1200 | 27,46 | 10,05 | 4,65 | 13,73 |
| 1250 | 28,76 | 10,58 | 4,89 | 14,38 |
| 1300 | 30,06 | 11,10 | 5,13 | 15,03 |
| 1350 | 31,36 | 11,63 | 5,37 | 15,68 |
| 1400 | 32,66 | 12,15 | 5,61 | 16,33 |
| 1450 | 33,96 | 12,68 | 5,85 | 16,98 |
| 1500 | 35,26 | 13,20 | 6,09 | 17,63 |
| 1550 | 36,56 | 13,73 | 6,33 | 18,28 |
| 1600 | 37,86 | 14,25 | 6,57 | 18,93 |
| 1650 | 39,16 | 14,78 | 6,81 | 19,58 |
| 1700 | 40,46 | 15,30 | 7,05 | 20,23 |
| 1750 | 41,76 | 15,83 | 7,29 | 20,88 |
| 1800 | 43,06 | 16,35 | 7,53 | 21,53 |
| 1850 | 44,36 | 16,88 | 7,77 | 22,18 |
| 1900 | 45,66 | 17,40 | 8,01 | 22,83 |
| 1950 | 46,96 | 17,93 | 8,25 | 23,48 |
| 2000 | 48,26 | 18,45 | 8,49 | 24,13 |

Profile type IPE80S

Maximal allowable deflection: **L/200**

Properties:

- I_{xx}: 21,2 cm⁴
- I_{yy}: 9,0 cm⁴
- I_{xy}: 8,29 cm⁴
- Weight profile: 56,1 N/m
- Product weight: 528,2 N/m
- Self-weight: 1,7

Load scenario

For quantities please contact your local representative.