




Supplementary Sheet 1 for the Declaration of Performance (DoP) in acc. with Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (No. 1359)

Tolerances on Dimensions and Shape in acc. with EN 10034:1994 for I- and H- shaped sections

| Essential characteristic | Performance | | | | Harmonised technical specification |
|------------------------------------|------------------------------|--|-----------------------|---------------------|------------------------------------|
| Tolerances on dimensions and shape | depth of section, h | | flange width, b | | EN 10025-1:2004 |
| | nominal value, mm | deviation limit, mm | nominal value, mm | deviation limit, mm | |
| | h ≤ 180 | +3,0 / -2,0 | b ≤ 110 | +4,0 / -1,0 | |
| | 180 < h ≤ 400 | +4,0 / -2,0 | 110 < b ≤ 210 | +4,0 / -2,0 | |
| | 400 < h ≤ 700 | +5,0 / -3,0 | 210 < b ≤ 325 | ±4,0 | |
| | h > 700 | ±5,0 | b > 325 | +6,0 / -5,0 | |
| | web thickness, s | | flange thickness, t | | |
| | nominal value, mm | deviation limit, mm | nominal value, mm | deviation limit, mm | |
| | s < 7 | ± 0,7 | t < 6,5 | +1,5 / -0,5 | |
| | 7 ≤ s < 10 | ± 1,0 | 6,5 ≤ t < 10 | +2,0 / -1,0 | |
| | 10 ≤ s < 20 | ± 1,5 | 10 ≤ t < 20 | +2,5 / -1,5 | |
| | 20 ≤ s < 40 | ± 2,0 | 20 ≤ t < 30 | +2,5 / -2,0 | |
| | 40 ≤ s < 60 | ± 2,5 | 30 ≤ t < 40 | ±2,5 | |
| | s < 60 | ± 3,0 | 40 ≤ t < 60 | ±3,0 | |
| | | | t ≥ 60 | ±4,0 | |
| | flange non parallelism, k+k' | | web off centre, e | | |
| | at flange width b, mm | deviation limit, mm | at flange width b, mm | deviation limit, mm | |
| | b ≤ 110 | 1,5 | at t < 40mm | | |
| | | | b ≤ 110 | 2,5 | |
| | | | 110 < b ≤ 325 | 3,5 | |
| | | | b > 325 | 5,0 | |
| | b > 110 | 2% of b (max. 6,5 mm) | at t ≥ 40mm | | |
| | | | 110 < b ≤ 325 | 5,0 | |
| b > 325 | | | 8,0 | | |
| Straightness | | | | | |
| Depth of section, mm | | Tolerance on straightness, q _{xx} and q _{yy} | | | |
| 80 < h ≤ 180 | | 0,3% of L | | | |
| 180 < h ≤ 360 | | 0,15% of L | | | |
| h > 360 | | 0,1% of L | | | |
| Length L | | | | | |
| ±50 | mm | | | | |
| +100 -0 | mm | If a minimum length is ordered | | | |
| Mass | | | | | |
| ± 4% of nominal mass | | Valid for a delivery in total and a single section | | | |

This Supplementary Sheet shall be read only in conjunction with the referring Declaration of Performance.

Peine, 14.02.2022


Marcus Lippe
 Head of technical services and quality department