

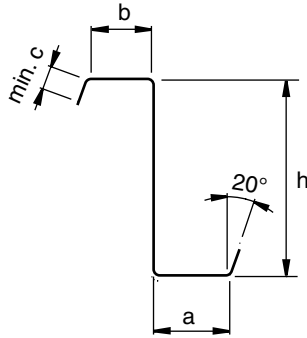


Lindab Construline™

Lindab Purlins
Technical Information

Technical Facts

Z purlin



Cross section properties for Z-purlins, both flanges supported

Note: All values calculated according to Swedish Code and STBK-N5

| Type | Thickness mm | a | b | h | I_{eff} [10^4 mm^4] | I_{br} [10^4 mm^4] | W_{eff} [10^3 mm^3] | V_{Rd} [kN] | Allowable support reaction (L=55mm) | | Md [kNm] |
|---------------|-----------------|-------|-------|--------|--------------------------------------|-------------------------------------|--------------------------------------|------------------|--|----------------|-------------|
| | | | | | | | | | Mid support | End support | |
| Z100 (HU, SE) | 1.00 | 47.00 | 41.00 | 100.00 | 28.7 | 31.7 | 5.28 | 9.5 | 5.1 | 2.6 | 1.85 |
| | 1.20 | 47.00 | 41.00 | 100.00 | 37.6 | 38.2 | 7.36 | 15.3 | 7.2 | 3.6 | 2.58 |
| | 1.50 | 47.00 | 41.00 | 100.00 | 48.4 | 48.4 | 9.61 | 24.2 | 10.7 | 5.4 | 3.36 |
| | 2.00 | 47.00 | 41.00 | 100.00 | 63.7 | 63.7 | 12.72 | 43.8 | 18.0 | 9.0 | 4.45 |
| Z120 (HU, SE) | 1.00 | 47.00 | 41.00 | 120.00 | 42.7 | 48.5 | 6.41 | 7.9 | 5.1 | 2.6 | 2.24 |
| | 1.20 | 47.00 | 41.00 | 120.00 | 56.3 | 58.5 | 9.00 | 14.1 | 7.2 | 3.6 | 3.15 |
| | 1.50 | 47.00 | 41.00 | 120.00 | 74.2 | 74.2 | 12.28 | 24.2 | 10.7 | 5.4 | 4.30 |
| | 2.00 | 47.00 | 41.00 | 120.00 | 98.0 | 98.0 | 16.28 | 43.8 | 18.0 | 9.0 | 5.70 |
| Z150 (HU, SE) | 1.00 | 47.00 | 41.00 | 150.00 | 69.5 | 82.1 | 8.13 | 6.3 | 5.1 | 2.6 | 2.85 |
| | 1.20 | 47.00 | 41.00 | 150.00 | 91.9 | 99.1 | 11.39 | 11.3 | 7.2 | 3.6 | 3.99 |
| | 1.50 | 47.00 | 41.00 | 150.00 | 123 | 126 | 15.94 | 22.4 | 10.7 | 5.4 | 5.58 |
| | 2.00 | 47.00 | 41.00 | 150.00 | 166 | 166 | 22.11 | 43.8 | 18.0 | 9.0 | 7.74 |
| | 2.50 | 47.00 | 41.00 | 150.00 | 211.9 | 211.9 | 28.08 | 69.1 | 26.3 | 13.1 | 9.83 |
| Z200 (SE) | 1.00 | 47.00 | 41.00 | 200.00 | 130 | 163 | 11.04 | 4.7 | 5.1 | 2.6 | 3.86 |
| | 1.20 | 47.00 | 41.00 | 200.00 | 173 | 197 | 15.45 | 8.5 | 7.2 | 3.6 | 5.41 |
| | 1.50 | 47.00 | 41.00 | 200.00 | 232 | 251 | 21.58 | 16.8 | 10.7 | 5.4 | 7.55 |
| | 2.00 | 47.00 | 41.00 | 200.00 | 325 | 333 | 31.61 | 41.0 | 18.0 | 9.0 | 11.06 |
| Z200 (HU) | 1.00 | 74.00 | 66.00 | 200.00 | 152 | 217 | 12.02 | 4.7 | 4.9 | 2.4 | 4.21 |
| | 1.20 | 74.00 | 66.00 | 200.00 | 205 | 264 | 17.14 | 8.5 | 6.9 | 3.4 | 6.00 |
| | 1.50 | 74.00 | 66.00 | 200.00 | 288 | 331 | 25.65 | 16.8 | 10.4 | 5.2 | 8.98 |
| | 2.00 | 74.00 | 66.00 | 200.00 | 430 | 444 | 41.34 | 41.0 | 17.5 | 8.7 | 14.47 |
| | 2.50 | 74.00 | 66.00 | 200.00 | 556 | 556 | 55.10 | 69.1 | 26.3 | 13.1 | 19.29 |
| Z250 (HU, SE) | 1.50 | 74.00 | 66.00 | 250.00 | 470 | 566 | 32.51 | 13.5 | 10.4 | 5.2 | 11.38 |
| | 2.00 | 74.00 | 66.00 | 250.00 | 709 | 760 | 52.89 | 32.8 | 17.5 | 8.7 | 18.51 |
| | 2.50 | 74.00 | 66.00 | 250.00 | 933 | 953 | 72.55 | 65.0 | 26.3 | 13.1 | 25.39 |
| | 3.00 | 74.00 | 66.00 | 250.00 | 1149 | 1149 | 91.33 | 100.9 | 36.8 | 18.4 | 31.97 |

Technical Facts

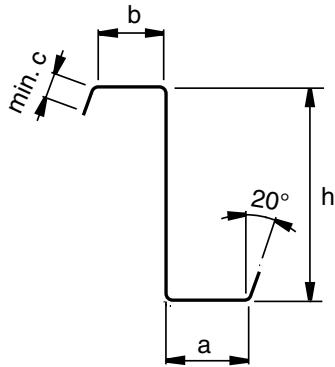
Cross section properties for Z-purlins, both flanges supported

Note: All values calculated according to Swedish Code and STBK-N5

| Type | Thickness mm | a | b | h | I _{eff} [10 ⁴ mm ⁴] | I _{br} [10 ⁴ mm ⁴] | W _{eff} [10 ³ mm ³] | V _{Rd} [kN] | Allowable support reaction (L=55mm) | | Md [kNm] |
|---------------|-----------------|-------|-------|--------|--|---|--|-------------------------|--|----------------|-------------|
| | | | | | | | | | Mid support | End support | |
| Z300 (HU, SE) | 1.50 | 90.00 | 82.00 | 300.00 | 745 | 994 | 40.76 | 11.2 | 10.4 | 5.2 | 14.27 |
| | 2.00 | 90.00 | 82.00 | 300.00 | 1162 | 1340 | 69.05 | 27.3 | 17.5 | 8.7 | 24.17 |
| | 2.50 | 90.00 | 82.00 | 300.00 | 1581 | 1680 | 99.40 | 54.2 | 26.3 | 13.1 | 34.79 |
| | 3.00 | 90.00 | 82.00 | 300.00 | 1984 | 2020 | 129.00 | 95.6 | 36.8 | 18.4 | 45.15 |

Technical Facts

ZS purlin (slotted)



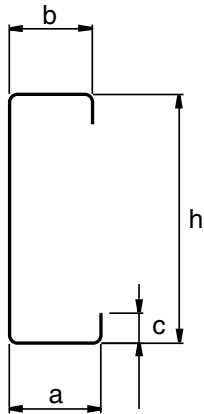
Cross section properties for slotted Z-purlins, ZS, both flanges supported

Note: Design values of slotted profiles will be included in Lindab System Solutions

| Type | Thickness mm | a | b | h |
|------------|--------------|-------|-------|--------|
| ZS100 (SE) | 1.00 | 47.00 | 41.00 | 100.00 |
| | 1.20 | 47.00 | 41.00 | 100.00 |
| | 1.50 | 47.00 | 41.00 | 100.00 |
| ZS120 (SE) | 1.00 | 47.00 | 41.00 | 120.00 |
| | 1.20 | 47.00 | 41.00 | 120.00 |
| | 1.50 | 47.00 | 41.00 | 120.00 |
| ZS150 (SE) | 1.00 | 47.00 | 41.00 | 150.00 |
| | 1.20 | 47.00 | 41.00 | 150.00 |
| | 1.50 | 47.00 | 41.00 | 150.00 |
| ZS200 (SE) | 1.00 | 47.00 | 41.00 | 200.00 |
| | 1.20 | 47.00 | 41.00 | 200.00 |
| | 1.50 | 47.00 | 41.00 | 200.00 |

Technical Facts

C purlin



Cross section properties for C-purlins, both flanges supported

Note: All values calculated according to Swedish Code and STBK-N5.

| Product | t [mm] | a | b | h | I _{eff} [10 ⁴ mm ⁴] | I _{br} [10 ⁴ mm ⁴] | W _{eff} [10 ³ mm ³] | VRd [kN] | Allowable support reaction (L=55mm) | | Md [kNm] |
|---------------|--------|-------|-------|--------|--|---|--|----------|-------------------------------------|-------------|----------|
| | | | | | | | | | Mid support | End support | |
| C70 (HU, SE) | 0.70 | 45.00 | 41.00 | 70.00 | 7.0 | 8.9 | 1.69 | 3.6 | 2.2 | 1.1 | 0.59 |
| | 1.00 | 45.00 | 41.00 | 70.00 | 12.8 | 13.7 | 3.42 | 13.5 | 4.9 | 2.4 | 1.20 |
| | 1.50 | 45.00 | 41.00 | 70.00 | 20.6 | 20.6 | 5.80 | 23.3 | 6.9 | 3.4 | 2.03 |
| C100 (HU, SE) | 1.00 | 45.00 | 41.00 | 100.00 | 28.7 | 31.7 | 5.28 | 9.5 | 5.1 | 2.6 | 1.85 |
| | 1.20 | 45.00 | 41.00 | 100.00 | 37.6 | 38.2 | 7.36 | 15.3 | 7.2 | 3.6 | 2.58 |
| | 1.50 | 45.00 | 41.00 | 100.00 | 48.4 | 48.4 | 9.61 | 24.2 | 10.7 | 5.4 | 3.36 |
| | 2.00 | 45.00 | 41.00 | 100.00 | 63.7 | 63.7 | 12.72 | 43.8 | 18.0 | 9.0 | 4.45 |
| C120 (HU, SE) | 1.00 | 45.00 | 41.00 | 120.00 | 42.7 | 48.5 | 6.41 | 7.9 | 5.1 | 2.6 | 2.24 |
| | 1.20 | 45.00 | 41.00 | 120.00 | 56.3 | 58.5 | 9.00 | 14.1 | 7.2 | 3.6 | 3.15 |
| | 1.50 | 45.00 | 41.00 | 120.00 | 74.2 | 74.2 | 12.28 | 24.2 | 10.7 | 5.4 | 4.30 |
| | 2.00 | 45.00 | 41.00 | 120.00 | 98.0 | 98.0 | 16.28 | 43.8 | 18.0 | 9.0 | 5.70 |
| C150 (HU, SE) | 1.00 | 45.00 | 41.00 | 150.00 | 69.5 | 82.1 | 8.13 | 6.3 | 5.1 | 2.6 | 2.85 |
| | 1.20 | 45.00 | 41.00 | 150.00 | 91.9 | 99.1 | 11.39 | 11.3 | 7.2 | 3.6 | 3.99 |
| | 1.50 | 45.00 | 41.00 | 150.00 | 123 | 126 | 15.94 | 22.4 | 10.7 | 5.4 | 5.58 |
| | 2.00 | 45.00 | 41.00 | 150.00 | 166 | 166 | 22.11 | 43.8 | 18.0 | 9.0 | 7.74 |
| | 2.50 | 45.00 | 41.00 | 150.00 | 211.9 | 211.9 | 28.08 | 69.1 | 26.3 | 13.1 | 9.83 |
| C200 (SE) | 1.00 | 45.00 | 41.00 | 200.00 | 130 | 163 | 11.04 | 4.7 | 5.1 | 2.6 | 3.86 |
| | 1.20 | 45.00 | 41.00 | 200.00 | 173 | 197 | 15.45 | 8.5 | 7.2 | 3.6 | 5.41 |
| | 1.50 | 45.00 | 41.00 | 200.00 | 232 | 251 | 21.58 | 16.8 | 10.7 | 5.4 | 7.55 |
| | 2.00 | 45.00 | 41.00 | 200.00 | 325 | 333 | 31.61 | 41.0 | 18.0 | 9.0 | 11.06 |
| C200 (HU) | 1.00 | 74.00 | 66.00 | 200.00 | 152 | 217 | 12.02 | 4.7 | 4.9 | 2.4 | 4.21 |
| | 1.20 | 74.00 | 66.00 | 200.00 | 205 | 264 | 17.14 | 8.5 | 6.9 | 3.4 | 6.00 |
| | 1.50 | 74.00 | 66.00 | 200.00 | 288 | 331 | 25.65 | 16.8 | 10.4 | 5.2 | 8.98 |
| | 2.00 | 74.00 | 66.00 | 200.00 | 430 | 444 | 41.34 | 41.0 | 17.5 | 8.7 | 14.47 |
| | 2.50 | 74.00 | 66.00 | 200.00 | 556 | 556 | 55.10 | 69.1 | 26.3 | 13.1 | 19.29 |

Technical Facts

Cross section properties for C-purlins, both flanges supported

Note: All values calculated according to Swedish Code and STBK-N5.

| Product | t [mm] | a | b | h | I _{eff} [10 ⁴ mm ⁴] | I _{br} [10 ⁴ mm ⁴] | W _{eff} [10 ³ mm ³] | VRd [kN] | Allowable support reaction (L=55mm) | | Md [kNm] |
|---------------|--------|--------|-------|--------|--|---|--|----------|-------------------------------------|-------------|----------|
| | | | | | | | | | Mid support | End support | |
| C250 (HU, SE) | 1.50 | 74.00 | 66.00 | 250.00 | 470 | 566 | 32.51 | 13.5 | 10.4 | 5.2 | 11.38 |
| | 2.00 | 74.00 | 66.00 | 250.00 | 709 | 760 | 52.89 | 32.8 | 17.5 | 8.7 | 18.51 |
| | 2.50 | 74.00 | 66.00 | 250.00 | 933 | 953 | 72.55 | 65.0 | 26.3 | 13.1 | 25.39 |
| | 3.00 | 74.00 | 66.00 | 250.00 | 1149 | 1149 | 91.33 | 100.9 | 36.8 | 18.4 | 31.97 |
| C300 (HU, SE) | 1.50 | 90.00 | 82.00 | 300.00 | 745 | 994 | 40.76 | 11.2 | 10.4 | 5.2 | 14.27 |
| | 2.00 | 90.00 | 82.00 | 300.00 | 1162 | 1340 | 69.05 | 27.3 | 17.5 | 8.7 | 24.17 |
| | 2.50 | 90.00 | 82.00 | 300.00 | 1581 | 1680 | 99.40 | 54.2 | 26.3 | 13.1 | 34.79 |
| | 3.00 | 90.00 | 82.00 | 300.00 | 1984 | 2020 | 129.00 | 95.6 | 36.8 | 18.4 | 45.15 |
| C350 (HU) | 2.00 | 100.00 | 92.00 | 350.00 | 1677 | 2030 | 82.83 | 23.4 | 17.5 | 8.7 | 28.99 |
| | 2.50 | 100.00 | 92.00 | 350.00 | 2297 | 2550 | 120.00 | 46.4 | 26.3 | 13.1 | 42.00 |
| | 3.00 | 100.00 | 92.00 | 350.00 | 2949 | 3080 | 161.00 | 81.9 | 36.8 | 18.4 | 56.35 |

CI purlin

Can be made to fit for corresponding C-sections and thicknesses.



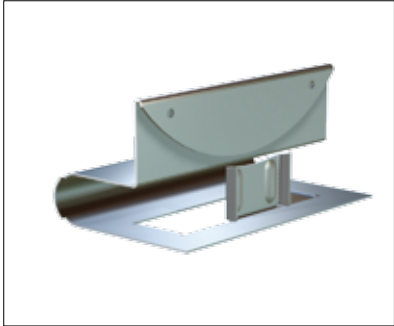
Technical Facts

Floor structure – components

Note: Floor structure design models can be found in Lindab System Solutions

LBY Acoustic clamp

| Type | Thickness mm | Width mm | Height mm | Mass kg/100pcs |
|------|-----------------|-------------|--------------|-------------------|
| LBY | 1.0 | 130 | 70 | 18 |



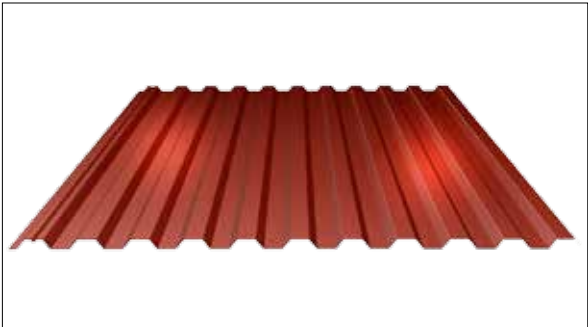
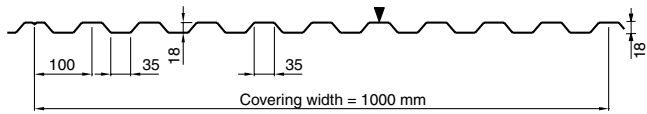
VBY Angle fitting

| Type | Thickness mm | Width mm | Length mm | Mass kg/100pcs |
|--------|-----------------|-------------|--------------|-------------------|
| VBY150 | 2.0 | 150 | 140 | 37 |
| VBY200 | 2.0 | 200 | 190 | 51 |



LLP20 Profiled sheeting

Material thickness 0.6 and 0.7 mm.





Lindab is an international Group that develops, manufactures, markets and distributes products and system solutions primarily in steel for simplified construction and improved indoor climate.

The products are characterized by their high quality, ease of assembly, energy efficiency, consideration towards the environment, and are delivered with high levels of service. Altogether, this increases customer value.

We offer a wide range of components and systems for all types of housing, as well as commercial and industrial buildings.

Lindab have a presence in more than 125 locations in over 30 countries throughout the world. Our head office is in Båstad, in the south of Sweden.



Lindab Profile

SE-269 82 Båstad

Phone +46 (0)431 850 00

www.lindab.com