**Easy Housing – Steel frame rolled U-profiles**

U- profiles are used for walls and floors. They are manufactured in accordance with the NEN-EN1090-1 standard.

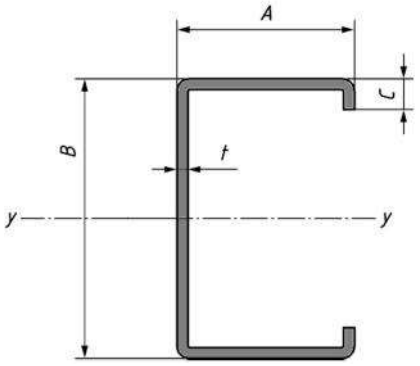
**Standard delivery programme U-Profiles**

| Profile | Thickness | Height Flange | Weight of housing | Lip | Weight |
|---|---|---|---|---|---|
| | t | A | B | C | |
| | [mm] | [mm] | [mm] | [mm] | [kg/m¹] |
| EHS-C-63-50-15-1,0 | 1,0 | 50 | 63 | 15 | 1,51 |
| EHS-C-63-50-15-1,2 | 1,2 | | | | 1,81 |
| EHS-C-63-50-15-1,5 | 1,5 | | | | 2,26 |
| EHS-C-63-50-15-2,0 | 2,0 | | | | 3,01 |
| EHS-C-75-50-15-1,0 | 1,0 | 50 | 75 | 15 | 1,60 |
| EHS-C-75-50-15-1,2 | 1,2 | | | | 1,92 |
| EHS-C-75-50-15-1,5 | 1,5 | | | | 2,40 |
| EHS-C-75-50-15-2,0 | 2,0 | | | | 3,20 |
| EHS-C-89-50-15-1,0 | 1,0 | 50 | 90 | 15 | 1,72 |
| EHS-C-89-50-15-1,2 | 1,2 | | | | 2,06 |
| EHS-C-89-50-15-1,5 | 1,5 | | | | 2,57 |
| EHS-C-89-50-15-2,0 | 2,0 | | | | 3,43 |
| EHS-C-100-50-15-1,0 | 1,0 | 50 | 100 | 15 | 1,79 |
| EHS-C-100-50-15-1,2 | 1,2 | | | | 2,15 |
| EHS-C-100-50-15-1,5 | 1,5 | | | | 2,69 |
| EHS-C-100-50-15-2,0 | 2,0 | | | | 3,59 |
| EHS-C-120-50-15-1,0 | 1,0 | 50 | 120 | 15 | 1,95 |
| EHS-C-120-50-15-1,2 | 1,2 | | | | 2,34 |
| EHS-C-120-50-15-1,5 | 1,5 | | | | 2,93 |
| EHS-C-120-50-15-2,0 | 2,0 | | | | 3,90 |
| EHS-C-120-60-15-1,0 | 1,0 | 60 | 120 | 15 | 2,11 |
| EHS-C-120-60-15-1,2 | 1,2 | | | | 2,53 |
| EHS-C-120-60-15-1,5 | 1,5 | | | | 3,16 |
| EHS-C-120-60-15-2,0 | 2,0 | | | | 4,21 |
| EHS-C-150-50-15-1,0 | 1,0 | 50 | 150 | 15 | 2,18 |
| EHS-C-150-50-15-1,2 | 1,2 | | | | 2,62 |
| EHS-C-150-50-15-1,5 | 1,5 | | | | 3,28 |
| EHS-C-150-50-15-2,0 | 2,0 | | | | 4,37 |
| EHS-C-200-50-15-1,0 | 1,0 | 50 | 200 | 15 | 2,57 |
| EHS-C-200-50-15-1,2 | 1,2 | | | | 3,09 |
| EHS-C-200-50-15-1,5 | 1,5 | | | | 3,86 |
| EHS-C-200-50-15-2,0 | 2,0 | | | | 5,15 |
| EHS-C-250-50-15-1,5 | 1,5 | 50 | 250 | 15 | 4,45 |
| EHS-C-250-50-15-2,0 | 2,0 | | | | 5,93 |
| EHS-C-250-50-15-2,5 | 2,5 | | | | 7,41 |
| EHS-C-300-50-15-2,0 | 2,0 | 50 | 300 | 15 | 6,71 |
| EHS-C-300-50-15-2,5 | 2,5 | | | | 8,39 |

Tolerances for the profiles according to NEN-EN10162 and NEN-EN1090-4.
For deviating profile specifications, please ask us about production possibilities.
You can use the following guide for this.

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Website: www.easyhousing.eu Inschrijfnr. K.v.K.: 39087588

- The U-profiles for walls and floors can be supplied in widths from 63 to 150, 200, 250, 300, 350 and 400 mm..
- The flange (A) is supplied in a height of 50 mm as standard. The flange height can be supplied in heights of 40 and 50 mm. The flange height 60mm can be used for profiles with a height of 100, 120, 150, 200, 250, 350 and 400mm.
- The thickness of the profiles can be varied from 1.0 -1.2-1.5-2.0 as standard. Production can be carried out with a steel thickness between 0.9 and 2.5 mm.
- U -profiles with widths from 63 to 150, 200, 250, 300, 350 and 400 mm with flange heights of 40-50 mm.




As standard, the profiles have a minimum steel quality of S280GD (NEN-EN 10346). On request, we can also supply profiles in steel quality S350 GD. The profiles are permanently protected with a zinc coating of at least Z275 (NEN-EN 10346).

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**Machining**

To facilitate the assembly of the frame, there are a number of standard machining options for the profiles:

1. galvanised hole for screw
   d = 3,5mm
   - Small hole for the back profile: DIMPLE_C
   - Large hole for the front profile: DIMPLE_U




2. Removal of lip over 63 mm at 45 degrees (LIP_CUT)




3. Taper for placement in connecting profile (SWAGE)




4. Round cut-outs small 63/75/89/150: Ø10,3+2x05 of Ø34 (BOLT_HOLE or SERVICE_HOLE) or 100-120-200-250-300 Ø18(+2x05) of Ø50 (HOLE_18 and BOLT_HOLE or HOLE_50 )

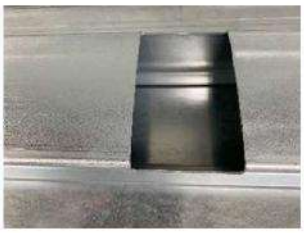



5. Large round cut-out with folded edges of Ø132 or Ø158 (HOLE_135 or HOLE_165)
   A Ø138 round hole can be made in the 200mm profile without a beating edge.




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6. Full height rebate for profile grommets (NOTCH)





7. End chamfer for angled wind bracing (CHAMFER) Only for 63-75-89-100-120150-100-200 and 250mm profiles.

   For 200-, 250- and 300 mm profiles, only the open side of the profiles is chamfered (the web side is straight)





Other machining is possible, e.g. round cut in the flange. Please send us a drawing of the desired machining so that we can assess whether this is possible with our machines.

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