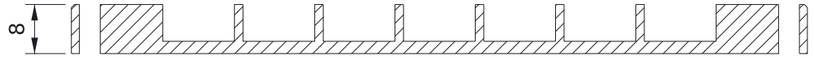
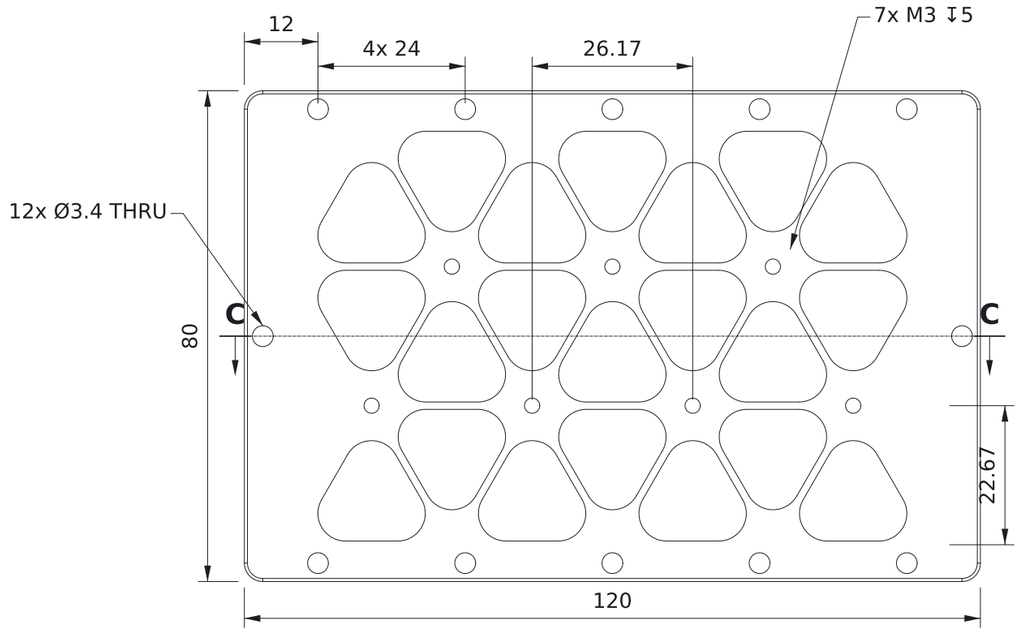
Section C-C





Plan view

Features

1. Isogrid: ribs 1.2 wide, 6 high, rows 22.67 apart (triangles 26.17) - rib height : thickness 5 : 1
2. Pockets ↧6, skin 2.0, inner corners R4.5 (one Ø6 cutter)
3. 7x boss Ø8, M3 ↧5 thread-milled (tap drill Ø2.5, its 118° point at 6.5)
4. 12x Ø3.4 THRU in the rim
5. Rim 6 wide; R3 corners; 0.5 x 45° top edges

Notes

1. General tolerances ISO 2768-mK
2. Inner corners R4.5 for a Ø6 cutter (R3): it keeps its engagement low in the corners; the ribs finished from the top, the stock below still supporting them; the end cells stay solid
3. Mass 64 % of the solid plate: about 49,200 mm³, 133 g
4. Double-sided tape on a 10 mm MDF sacrificial plate; stock 124 x 84 x 8 faced both sides beforehand, centred (2 ± 0.5 all round: the outline's cut takes about 2 mm a side, not the cutter's full width); the outline cut through last

Isogrid lightweight panel

等格栅轻量化面板

Material 6061-T6 Stock 124 x 84 x 8 mm	**Drawing TW-E14**
General tolerances ISO 2768-mK · mm · Ra 1.6 unless noted	Scale 1:1 A3
Twinwright Studio 1.0 example · drawn 2026-10-07	ISO E (first angle)