

Strut Profile 80x120L Q&E, Anodized Aluminum, ESD-Suitable - Bosch Rexroth 3842993672

Item no. BRR-3842993672

Manufacturer Bosch Rexroth

The 80x120L strut profile in the Q&E system is designed for load-bearing frames, supports, and structural assemblies in manufacturing and automation. Ten open slots on a 40 mm grid, an anodized aluminum surface, and ESD suitability make it a reliable choice for electrostatically protected workplaces. Available in cut lengths from 50 mm to 6070 mm with standard or customized profile finishing.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76042100
Note	Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.
Weight	0.1 kg

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth strut profile 80x120L is part of the Q&E profile system and serves as the structural backbone for frames, stands, and support structures in assembly and automation technology. The anodized aluminum extrusion features 10 open slots (slot width 10 mm) on a 40 mm grid, allowing versatile connection of brackets, connectors, and attachments on all faces. Extensive standard and customized profile finishing options let the profile be cut and machined precisely to application requirements.

- ESD-suitable - safe for use in electrostatically protected production and assembly environments
- 10 open slots on a 40 mm grid - high connector density on all sides for brackets, angles, and accessories
- Area moment of inertia $I_x = 389.2 \text{ cm}^4$ / $I_y = 192.8 \text{ cm}^4$ - high bending stiffness in both principal axes
- Configurable length from 50 mm to 6070 mm - supplied as raw profile or with standard profile finishing
- Anodized aluminum (color: natural) - corrosion-resistant and dimensionally stable



- Recommended accessories: cover cap 80x120 in signal gray or black

TECHNICAL DATA

Parameter	Value
Cross-section	80x120L
Dimensions [mm]	80 x 120
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile slot [mm]	10
Open slots	10
Modular dimension [mm]	40
Length min (L min) [mm]	50
Length max (L max) [mm]	6070
Mass [kg/m]	6.9
Profile surface A [cm ²]	25.6
Area moment of inertia I _x [cm ⁴]	389.2
Area moment of inertia I _y [cm ⁴]	192.8
Moment of resistance W _x [cm ³]	64.9
Moment of resistance W _y [cm ³]	48.2
Torsional moment of inertia I _t [cm ⁴]	119
Moment of torsion resistance W _t [cm ³]	29.1
Standard profile finishing	M12 / D9.8(C,D,E,H,I,J) / D17(C,D,E,H,I,J) / DB17 / F1(A,F)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Profile finishing note	DGmax = 45°, Lmin1/Lmin2 = 439/578 mm, standard profile finishing at specified slots
Packaging unit	1