

Strut Profile 40x160L M12/M12, Anodized Aluminum, ESD-Suitable - Bosch Rexroth 3842993145

Item no. BRR-3842993145

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile in 40x160L cross-section for load-bearing frames and longitudinal beams in the Bosch Rexroth assembly technology system. M12 threads in all core bores and D17 holes in the slot faces allow direct bolted connections without additional hardware. ESD-suitable, anodized, cut to length from 110 to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
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 strut profile 40x160L M12/M12 is an anodized aluminum profile with high bending stiffness in the x-direction ($I_x = 466.7 \text{ cm}^4$), designed for horizontal beams, longitudinal struts, and heavy frame structures in the Bosch Rexroth profile system. M12 threads in all core bores, combined with D17 holes in slots B/J, C/I, D/H, and E/G, allow connectors to be bolted directly into the profile, reducing assembly time and part count. The profile is ESD-suitable for use in electrostatic discharge-protected production environments.

- High bending stiffness in x-direction: $I_x = 466.7 \text{ cm}^4$, $W_x = 58.3 \text{ cm}^3$ - suited for main load-bearing beams
- M12 threads in all core bores plus D17 holes for direct bolting without additional inserts
- ESD-suitable for use in EPA (electrostatic protected area) environments
- Material: aluminum, anodized, natural color - corrosion-resistant and lightweight
- Cut to length: 110 mm to 6000 mm, packaging unit 1 piece
- Recommended accessories: cover cap 40x80 in signal gray or black

TECHNICAL DATA

Property	Value
Cross-section	40x160L
Dimensions [mm]	40x160
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	10
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Length min / max [mm]	110 / 6000
Mass [kg/m]	5.5
Profile surface A [cm ²]	20.5
Area moment of inertia I _x [cm ⁴]	466.7
Moment of resistance W _x [cm ³]	58.3
Area moment of inertia I _y [cm ⁴]	37.2
Moment of resistance W _y [cm ³]	18.6
Torsional moment of inertia I _t [cm ⁴]	25.8
Moment of torsion resistance W _t [cm ³]	14.6
Profile adaption	M12: in all core bores; D17: in slots B/J, C/I, D/H, E/G
Packaging unit	1 piece