

Strut Profile 40x80L M12, Anodized Aluminum, 6 Open Slots, ESD-Suitable - Bosch Rexroth 3842993131

Item no. BRR-3842993131

Manufacturer Bosch Rexroth

The 40x80L strut profile on a 40 mm modular grid is made from anodized aluminum and features six open slots (slot width 10 mm) for flexible assembly and framing applications. Factory-machined M12 threads in all core bores plus D17 and D17V drillings in the respective slots allow direct fastening without additional machining. The profile is ESD-suitable and supplied cut to length (60 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 Bosch Rexroth 40x80L strut profile is an extruded aluminum section on a 40 mm modular grid, designed for manual and automated assembly frames, conveyor structures, and machine guarding. Six open slots running the full length of the profile (slot width 10 mm) allow stepless positioning of connectors, linear guides, and add-on components. Factory machining - M12 threads in all core bores, D17 drillings in slots B/F and C/E, D17V drillings in slots A/D - eliminates secondary operations on site. The profile is supplied cut to length; minimum cut length is 60 mm, maximum is 6000 mm.

- Anodized aluminum: corrosion-resistant, lightweight, and dimensionally stable for continuous production use
- ESD-suitable: safe for deployment in areas requiring electrostatic discharge protection
- Six open slots (10 mm wide): full flexibility for mounting and repositioning components anywhere along the profile
- Factory machining M12 (all core bores), D17 (slots B/F, C/E), D17V (slots A/D): direct assembly without additional drilling or tapping
- Cut to length 60 to 6000 mm, packaging unit 1

TECHNICAL DATA

Property	Value
Cross-section	40x80L
Dimensions	40x80 mm
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	6
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile machining	M12: all core bores; D17: slots B/F, C/E; D17V: slots A/D
Length min (L min)	60 mm
Length max (L max)	6000 mm
Mass (m)	2.7 kg/m
Profile surface (A)	9.9 cm ²
Area moment of inertia x-direction (Ix)	63.4 cm ⁴
Area moment of inertia y-direction (Iy)	17.3 cm ⁴
Moment of resistance x-direction (Wx)	15.9 cm ³
Moment of resistance y-direction (Wy)	8.7 cm ³
Torsional moment of inertia (It)	8.02 cm ⁴
Moment of torsion resistance (Wt)	4.8 cm ³
Packaging unit	1
Recommended accessories	Cover cap 40x80 signal gray, Cover cap 40x80 black, Cover cap with hole 40x80 signal gray, Cover cap with hole 40x80 black