

Strebenprofil 80x160L, ESD-geeignet, eloxiertes Aluminium - Bosch Rexroth 3842993673

Item no. BRR-3842993673

Manufacturer Bosch Rexroth

The 80x160L strut profile is an anodized aluminum structural section with 12 open slots, 40 mm modular dimension, and ESD suitability - designed for demanding frames and support structures in assembly and automation systems. An area moment of inertia of 850.7 cm⁴ (x-direction) delivers high bending stiffness at low weight. Available cut-to-length from 80 mm to 6,070 mm with a broad range of standard and customized finishing options.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Hinweis	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
Zolltarifnummer	76042100

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 80x160L strut profile in anodized aluminum is part of the Bosch Rexroth profile system with a 40 mm modular grid. Its 80x160 mm cross-section and 12 open 10 mm slots make it suitable for load-bearing frame and strut assemblies in production, automation, and mechanical engineering environments. Custom cut lengths from 80 mm to 6,070 mm are available; standard and customized machining operations are offered from specified minimum lengths.

- High bending stiffness: area moment of inertia $I_x = 850.7 \text{ cm}^4$, $W_x = 106.3 \text{ cm}^3$
- 12 open slots for maximum connection flexibility on all profile faces
- ESD-suitable - safe for use in electrostatically sensitive environments
- Anodized surface (natural) for corrosion resistance and a clean appearance
- Wide machining range: M12, D9.8, D17, DB17, F1 (standard) and DI, DIS, MT, MTS, MI, MIS, DG (customized)

TECHNICAL DATA



Property	Value
Cross-section	80x160L mm
Dimensions	80x160 mm
Profile slot width	10 mm
Modular dimension	40 mm
Open slots	12
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Length min (L min)	80 mm
Length max (L max)	6,070 mm
Mass	8.9 kg/m
Profile surface (A)	32.9 cm ²
Area moment of inertia I _x	850.7 cm ⁴
Moment of resistance W _x	106.3 cm ³
Area moment of inertia I _y	253.4 cm ⁴
Moment of resistance W _y	63.4 cm ³
Torsional moment of inertia I _t	182 cm ⁴
Moment of torsion resistance W _t	41.1 cm ³
Standard profile finishing	M12 / D9.8(C,D,E,F,I,J,K,L) / D17(C,D,E,F,I,J,K,L) / DB17 / F1(A,G)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Notice	DGmax = 45°, Lmin1/Lmin2 = 460/620 mm, standard finishing at specified slots
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black