

Strut Profile 40x120L 5N, Anodized Aluminum, ESD-Compatible - Bosch Rexroth 3842993771

Item no. BRR-3842993771

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 40x120 mm cross-section, 5 open slots (40 mm modular dimension, slot width 10 mm) and ESD capability. Natural finish, available cut to length from 50 to 6070 mm. Suited for load-bearing frames and supports in mechanical assembly and ESD-protected production areas.

TECHNICAL DATA

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 3842993771 strut profile is an anodized aluminum section (40x120 mm cross-section, type 5N) with five open slots and built-in ESD protection. It is designed for structural frames, supports, and conveyor systems in mechanical assembly and electrostatic discharge-protected environments.

- High bending stiffness: area moment of inertia $I_x = 212.4 \text{ cm}^4$, $I_y = 30.06 \text{ cm}^4$
- 5 open slots (slot width 10 mm) for flexible connections on the 40 mm modular grid
- ESD-compatible for use in electrostatic protected areas
- Cut to length: 50 to 6070 mm (standard profile finishing up to $L_{\text{max}} = 6000 \text{ mm}$)
- Wide range of standard and customized finishing options available

TECHNICAL DATA

Parameter	Value
Cross-section	40x120 mm
Profile type	5N
Modular dimension	40 mm

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Parameter	Value
Profile slot width	10 mm
Open slots	5
ESD	Yes
Color	Natural
Material	Aluminum, anodized
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Mass	4.3 kg/m
Profile surface (A)	15.8 cm ²
Area moment of inertia I _x	212.4 cm ⁴
Area moment of inertia I _y	30.06 cm ⁴
Moment of resistance W _x	35.3 cm ³
Moment of resistance W _y	14.5 cm ³
Standard profile finishing	M12 / D9.8 (B,C,D,F,G,H) / D17 (B,C,D,F,G,H) / DB17 / F1 (A,E)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing notice	DGmax = 45°, Lmin1/Lmin2 = 439/578 mm; standard finishing at specified slots
Recommended accessories	Cover cap 40x40 (signal gray, black), Cover cap 40x80 (signal gray, black)
Packaging unit	1