

Strebenprofil 80x120L, 6070 mm, Aluminium eloxiert, ESD - Bosch Rexroth 3842529380

Item no. BRR-3842529380

Manufacturer Bosch Rexroth

Strut profile with 80x120L cross-section and a length of 6070 mm in anodized aluminum, designed for assembly systems, workstations, and conveyor structures. The profile is ESD-rated, features 10 open slots on a 40 mm modular grid, and is supplied as a single rod in standard length. Recommended accessories: cover cap 80x120 in signal gray or black.

TECHNICAL DATA

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.**

Length **6070 mm**

Weight **42.511 kg**

Zolltarifnummer **76042100**



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STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth 80x120L strut profile at 6070 mm is a high-load structural aluminum profile for demanding assembly, material handling, and workstation applications. Anodized aluminum provides lasting corrosion resistance, and ESD certification allows direct use in electronics manufacturing and electrostatic-protected areas.

- 10 open slots on a 40 mm modular grid allow flexible attachment of connectors, fasteners, and accessories on all sides
- High bending stiffness: area moment of inertia $I_x = 389.2 \text{ cm}^4$ / $I_y = 192.8 \text{ cm}^4$ - suited for long spans and heavy loads
- Profile surface area 25.6 cm^2 at only 6.9 kg/m - favorable stiffness-to-weight ratio
- ESD-certified for direct use in electrostatic-protected work areas
- Supplied as a single rod in standard length, fully compatible with the Bosch Rexroth 40 mm modular assembly system

TECHNICAL DATA

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Property	Value
Cross-section	80x120L
Length [L]	6070 mm
Dimensions	80x120 mm
Modular dimension	40 mm
Profile slot / open slots	10
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	yes
Profile surface [A]	25.6 cm ²
Mass [m]	6.9 kg/m
Weight (rod)	42.511 kg
Area moment of inertia [Ix]	389.2 cm ⁴
Area moment of inertia [Iy]	192.8 cm ⁴
Moment of resistance [Wx]	64.9 cm ³
Moment of resistance [Wy]	48.2 cm ³
Torsional moment of inertia [It]	119 cm ⁴
Moment of torsion resistance [Wt]	29.1 cm ³
Condition on delivery	Single rod in standard length
Packaging unit	1
Recommended accessories	Cover cap 80x120, signal gray; Cover cap 80x120, black