

Strebenprofil 90x180, Länge wählbar 50-6070 mm, 12 offene Nuten, Aluminium eloxiert - Bosch Rexroth 3842990416-1000

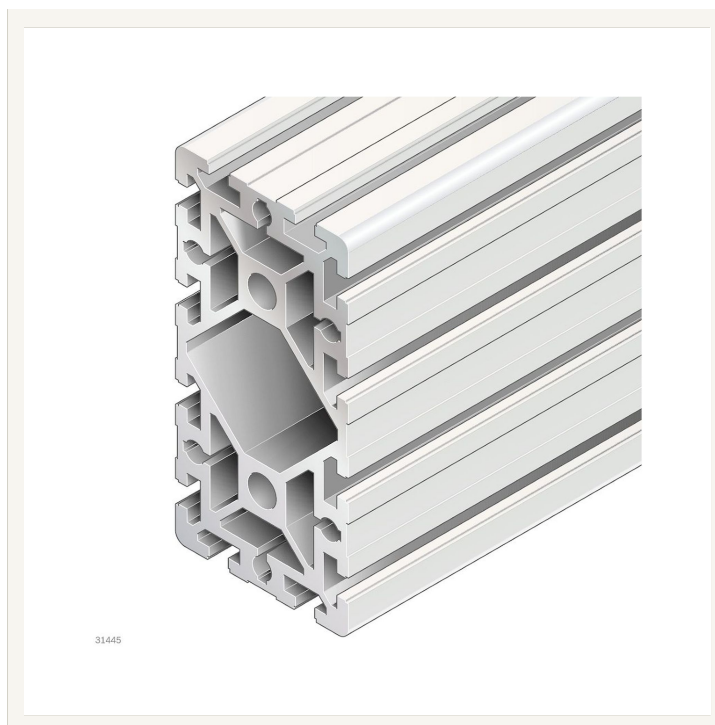
Item no. BRR-3842990416-1000

Manufacturer Bosch Rexroth

Heavy-duty strut profile with a 90x180 mm cross-section, 12 open slots, and a 45 mm modular dimension for demanding machine frames and structural assemblies. The anodized aluminum profile is supplied cut to length between 50 mm and 6070 mm, pre-machined for M16 connections and LF/LF-S operations. Area moments of inertia of 2138.3 cm⁴ (X) and 544.3 cm⁴ (Y) make it suitable for high bending and torsional loads.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Weight	17 kg
Zolltarifnummer	76042100



DESCRIPTION

The Bosch Rexroth Strut Profile 90x180 is a heavy-section profile in the Raster 45 system, designed for load-bearing machine structures, equipment frames, and special-purpose machinery. Supplied cut to any length from 50 mm to 6070 mm, it eliminates material waste and reduces lead time for custom builds.

- 12 open slots for connection flexibility on all faces
- Slot size 10 - compatible with the full Rexroth Raster 45 connector and accessory range
- Factory machining: M16 in all core bores, D17V in slots A/H and B/G, LF in slots A/H and B/G, LF-S in slots D/K and E/J
- Anodized aluminum - corrosion-resistant, natural finish, lightweight and precision-extruded
- High bending stiffness: $I_x = 2138.3 \text{ cm}^4$, $W_x = 237.6 \text{ cm}^3$ (x-direction)

TECHNICAL DATA

Property	Value
Cross-section	90 x 180 mm
Profile type	Standard
Modular dimension	45 mm
Profile slot	10
Open slots	12

Property	Value
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Condition on delivery	Variable length
Material	Aluminum, anodized
Color	Natural
Profile surface (A)	63.6 cm ²
Mass (m)	17.2 kg/m
Area moment of inertia x (Ix)	2138.3 cm ⁴
Moment of resistance x (Wx)	237.6 cm ³
Area moment of inertia y (Iy)	544.3 cm ⁴
Moment of resistance y (Wy)	121.0 cm ³
Torsional moment of inertia (It)	429 cm ⁴
Moment of torsion resistance (Wt)	64 cm ³
Profile machining	M16: all core bores - D17V: slots A/H, B/G - LF: slots A/H, B/G - LF-S: slots D/K, E/J
Recommended accessories	Cover cap 90x90 black/signal gray, Cover cap with hole 90x90 black/signal gray
Packaging unit	1 piece