

Strebenprofil 90x180, Aluminium eloxiert, variable Länge 50-6070 mm - Bosch Rexroth 3842990416

Item no. BRR-3842990416

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x180 mm cross-section for demanding frames, machine bases, and support structures. 12 open slots (slot width 10 mm) provide connection flexibility on all sides - supplied cut to length between 50 mm and 6070 mm. Material: anodized aluminum, mass 17.2 kg/m.

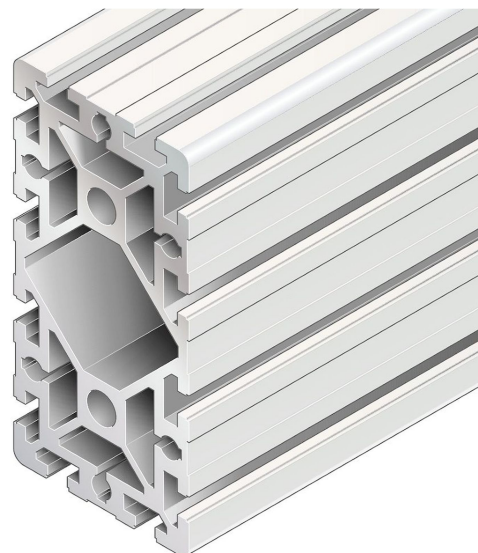
TECHNICAL DATA

Ausführungsklasse **TEC**

Country of Manufacture **Germany**

Weight **17 kg**

Zolltarifnummer **76042100**



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DESCRIPTION

The Bosch Rexroth strut profile 90x180 is a large-format aluminum profile designed for load-bearing structures, machine frames, and workstations where high stiffness and bending resistance are required. The asymmetric cross-section delivers an exceptionally high area moment of inertia in the x-direction ($I_x = 2138.3 \text{ cm}^4$), making it the right choice where bending loads act along the major axis. Supplied cut to variable length from 50 mm to 6070 mm.

- 12 open slots (slot width 10 mm, modular dimension 45 mm) for unrestricted fastener placement on all faces
- Factory-machined: M16 threads 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
- High bending stiffness: moment of resistance $W_x = 237.6 \text{ cm}^3$ (x-direction), $W_y = 121 \text{ cm}^3$ (y-direction)
- Torsion resistance: $W_t = 64 \text{ cm}^3$, torsional moment of inertia $I_t = 429 \text{ cm}^4$
- Anodized aluminum, natural color - corrosion-resistant surface protection without paint
- Profile surface area 63.6 cm^2 , mass 17.2 kg/m

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm

Property	Value
Profile type	Standard
Modular dimension	45 mm
Profile slot	10 mm
Open slots	12
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 I _x	2138.3 cm ⁴
Area moment of inertia I _y	544.3 cm ⁴
Moment of resistance W _x	237.6 cm ³
Moment of resistance W _y	121 cm ³
Torsional moment of inertia I _t	429 cm ⁴
Moment of torsion resistance W _t	64 cm ³
Profile machining	M16 in all core bores; D17V, LF in slots A/H, B/G; LF-S in slots D/K, E/J
Packaging unit	1
Recommended accessories	Cover cap 90x90 black, cover cap 90x90 signal gray, cover cap with hole 90x90 black, cover cap with hole 90x90 signal gray