

Strut Profile 90x360 F2/F2 - Anodized Aluminum Profile with 12 Open Slots - Bosch Rexroth 3842993436

Item no. BRR-3842993436

Manufacturer Bosch Rexroth

Wide structural profile with a 90x360 mm cross-section in anodized aluminum, designed for heavy-duty support frames, machine enclosures, and load-bearing assemblies. Twelve open slots on a 45 mm grid and factory-tapped M16 threads in all core channels allow flexible, drill-free connections. Available cut to length from 110 mm to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
Weight	24.4 kg



DESCRIPTION

The Strut Profile 90x360 F2/F2 is a wide-format aluminum construction profile for load-bearing frames, machine guards, and heavy assembly structures. Its asymmetric 90x360 mm cross-section delivers an area moment of inertia of 14065 cm⁴ in the x-direction, making it suitable for applications with high bending and torsional loads.

- 12 open slots on a 45 mm grid allow flexible connections on all profile faces without drilling
- M16 threads factory-tapped in all core channels - no secondary machining required
- Anodized aluminum: corrosion-resistant, lightweight, and dimensionally stable
- Cut-to-length available from 110 mm to 6000 mm
- Profile surface area 90.2 cm², mass 24.4 kg/m - high stiffness-to-weight ratio

TECHNICAL DATA

Property	Value
Cross-section	90x360 mm
Profile type	Standard
Modular dimension	45 mm
Open slots	12
Profile slot	10

Property	Value
Length min.	110 mm
Length max.	6000 mm
Material	Aluminum, anodized
Color	Natural
Profile adaption	M16 in all core channels
Profile surface (A)	90.2 cm ²
Mass (m)	24.4 kg/m
Area moment of inertia I _x	14065 cm ⁴
Moment of resistance W _x	781.4 cm ³
Area moment of inertia I _y	710 cm ⁴
Moment of resistance W _y	157.7 cm ³
Torsional moment of inertia I _t	937.1 cm ⁴
Moment of torsion resistance W _t	117.6 cm ³
Packaging unit	1