

Halbrundprofil 45x45 HR M12, 1000 mm, Aluminium eloxiert - Bosch Rexroth 3842993001-1000

Item no. BRR-3842993001-1000

Manufacturer Bosch Rexroth

Half-round aluminum profile with cross-section 45x45 HR for the Bosch Rexroth assembly system. The anodized profile features one open slot (slot 10), a modular dimension of 45 mm, and is compatible with M12 connecting elements. Available in lengths from 60 mm to 6000 mm; this variant is supplied at 1000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
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.
Weight	0.0099 kg
Zolltarifnummer	76109090



DESCRIPTION

The Half-Round Profile 45x45 HR M12 is an extruded anodized aluminum profile with a semicircular cross-section, designed for use within the Bosch Rexroth Aluminum Profile System. One open slot (slot 10) accepts standard M12 connecting elements and attachments across the size-45 product family. The anodized natural finish provides lasting corrosion resistance without additional coating. This variant is supplied at 1000 mm; custom cut lengths between 60 mm and 6000 mm are available.

- Semicircular profile shape - one flat face and one curved face for clean, design-oriented assemblies
- Anodized aluminum: lightweight, corrosion-resistant, and durable in industrial environments
- Single open slot (slot 10) for connectors and add-on components
- Fully compatible with all Bosch Rexroth size-45 assembly system components
- Cut-to-length flexibility: any dimension from 60 mm to 6000 mm

TECHNICAL DATA

Property	Value
Cross-section	45x45 HR
Profile type	Semicircular
Profile slot	Slot 10

Property	Value
Open slots	1
Modular dimension	45 mm
Length (this variant)	1000 mm
Length min / max	60 mm / 6000 mm
Profile surface [A]	6.6 cm ²
Mass [m]	1.8 kg/m
Area moment of inertia I _x	11 cm ⁴
Area moment of inertia I _y	10.7 cm ⁴
Moment of resistance W _x	4.4 cm ³
Moment of resistance W _y	4.8 cm ³
Torsional moment of inertia I _t	7.6 cm ⁴
Torsional moment of resistance W _t	3.4 cm ³
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Recommended accessories	Cover cap 45x45 HR signal gray, Cover cap 45x45 HR black