

Halbrundprofil 45x45 HR, 1000 mm - Bosch Rexroth 3842992945-1000

Item no. BRR-3842992945-1000

Manufacturer Bosch Rexroth

Anodized aluminum half-round profile with a 45x45 mm cross-section and one slot (width 10 mm), cut to variable length. The semicircular outer contour delivers smooth, ergonomic frame edges in assembly and automation structures. Available in lengths from 50 mm to 6070 mm, supplied in single units.

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	76042100



DESCRIPTION

The Bosch Rexroth Half-Round Profile 45x45 HR extends the Rexroth profile system with a semicircular outer contour, enabling ergonomic frame edges and clean machine enclosure finishes in assembly and automation applications. Machined from anodized aluminum (natural color), it is supplied cut to the length you specify - from 50 mm up to 6070 mm.

- Semicircular outer contour for ergonomic, visually refined frame closures and guards
- Anodized aluminum construction - corrosion-resistant without additional surface treatment
- One open slot (width 10 mm) accepts standard Rexroth 45 mm system connectors and hardware
- Variable cut length from 50 mm to 6070 mm - delivered ready to install, no rework required
- Area moment of inertia I_x 11 cm⁴ and I_y 10.7 cm⁴ for balanced bending stiffness on both axes

TECHNICAL DATA

Property	Value
Cross-section	45x45 HR
Profile type	Semicircular
Modular dimension	45 mm
Profile slot width	10 mm
Open slots	1
Color	Natural (anodized)

Property	Value
Material	Aluminum, anodized
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Condition on delivery	Variable length
Packaging unit	1 piece
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
Moment of torsion resistance (W _t)	3.4 cm ³
Recommended accessories	Cover cap 45x45 HR signal gray, Cover cap 45x45 HR black