

Halbrundprofil 45x45 HR, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993736-1000

Item no. BRR-3842993736-1000

Manufacturer Bosch Rexroth

The 45x45 HR half-round profile in anodized aluminum provides a smooth, rounded outer contour for machine frames and assembly structures where operator safety and appearance matter. Its single open slot (slot width 10, modular dimension 45 mm) accepts standard Rexroth connectors and accessories without additional machining. Supplied at 1000 mm; cut-to-length service available from 50 mm to 6070 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	76042100



DESCRIPTION

The Bosch Rexroth 45x45 HR half-round profile is an anodized aluminum structural section with a semicircular outer face, designed for the Rexroth modular assembly system. The rounded contour eliminates exposed edges at operator-accessible locations, while a single open slot (width 10 mm) provides direct compatibility with the full range of Rexroth profile connectors, brackets, and accessories. Standard profile finishing (M12 / DB17) is available at specified slots above the minimum length; customized finishing options (DI, DIS, MT, MTS, MI, MIS, DG up to 45°) are available on request.

- Half-round cross-section - smooth outer face for ergonomic, operator-safe structures
- Anodized aluminum - lightweight, corrosion-resistant, hard-wearing surface
- 1 open slot (width 10 mm) - direct fitment of standard Rexroth connectors, no drilling
- Cut-to-length from 50 mm to 6070 mm - supplied here at 1000 mm
- Standard finishing M12 / DB17 from minimum lengths 378 mm / 456 mm

TECHNICAL DATA

Property	Value
Cross-section	45x45 HR
Profile type	Semicircular
Material	Aluminum, anodized

Property	Value
Color	Natural
Modular dimension	45 mm
Profile slot width	10
Open slots	1
Length (this order)	1000 mm
Length min / max	50 mm / 6070 mm
Mass	1.8 kg/m
Profile surface [A]	6.6 cm ²
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
Standard profile finishing	M12 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG (max. 45°)
Finishing minimum length	Lmin1 / Lmin2 = 378 mm / 456 mm
Packaging unit	1
Recommended accessories	Cover cap 45x45 HR signal gray, Cover cap 45x45 HR black