

# Strebenprofil 45x45L 1N, 6070 mm, Aluminium eloxiert, 1 offene Nut - Bosch Rexroth 3842557232

**Item no.** BRR-3842557232 **Manufacturer** Bosch Rexroth

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Strut profile with a 45x45 mm cross-section (type 1N) and one open slot for single-sided attachment in machine frames and structural assemblies. Anodized aluminum in natural finish, length 6070 mm, supplied as a single rod in standard length. Modular dimension 45 mm, profile slot 10 - fully compatible with the Bosch Rexroth aluminum profile system.

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Condition of article	<b>New</b>
Country of Manufacture	<b>Germany</b>
Hinweis	<b>Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.</b>
Lenght	<b>6070 mm</b>
Weight	<b>10.9 kg</b>
Zolltarifnummer	<b>76042100</b>



## DESCRIPTION

The 45x45L 1N strut profile is designed for bracing, support structures, and sub-frames in assembly and automation systems. The single open slot allows targeted one-sided connection, keeping overall volume and weight low while maintaining the structural integrity of the 45 mm modular system. Anodized aluminum provides lasting corrosion resistance without any additional surface treatment.

- 45x45 mm cross-section with 1 open slot - lower weight than fully symmetric profiles at comparable longitudinal stiffness
- Area moment of inertia  $I_x$  12.6 cm<sup>4</sup> /  $I_y$  13.5 cm<sup>4</sup> - suited for moderate bending and compressive loads

- Anodized aluminum (natural) - corrosion-resistant, ready to install without further treatment
- Modular dimension 45 mm, profile slot 10 - direct compatibility with Bosch Rexroth connectors, brackets, and accessories for the 45 system
- Supplied as a single rod, length 6070 mm - can be cut to installation length on site

## Technical data

Property	Value
Cross-section	45x45L 1N
Profile type	1N
Dimensions	45x45 mm
Open slots	1
Profile slot	10
Modular dimension	45 mm
Length [L]	6070 mm
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	6.5 cm <sup>2</sup>
Mass [m]	1.8 kg/m
Weight (rod)	10.9 kg
Area moment of inertia [Ix]	12.6 cm <sup>4</sup>
Area moment of inertia [Iy]	13.5 cm <sup>4</sup>
Moment of resistance [Wx]	5.5 cm <sup>3</sup>
Moment of resistance [Wy]	6.0 cm <sup>3</sup>
Torsional moment of inertia [It]	10.0 cm <sup>4</sup>
Moment of torsion resistance [Wt]	5.2 cm <sup>3</sup>
Condition on delivery	Single rod in standard length
Packaging unit	1
Recommended accessories	Cover cap 45x45 signal gray, Cover cap 45x45 black, Cover cap with hole 45x45 signal gray, Cover cap with hole 45x45 black