

# U-Profil 40x45, eloxiertes Aluminium, Zuschnitt 30-6070 mm - Bosch Rexroth 3842993316

**Item no.** BRR-3842993316 **Manufacturer** Bosch Rexroth

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Anodized aluminum U-profile 40x45 mm with profile slot 10, designed for Lean conveyor systems and manual assembly lines. Supplied cut to order length from 30 mm up to 6070 mm, eliminating excess stock. Mass 1.2 kg/m with area moments of inertia of 10.4 cm<sup>4</sup> (x) and 8.3 cm<sup>4</sup> (y) for reliable structural calculation.

## 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>
Weight	<b>0 kg</b>
Zolltarifnummer	<b>76042100</b>



## DESCRIPTION

The U-Profile 40x45 in anodized aluminum is a structural component for Lean conveyor tracks and manual production systems within the Bosch Rexroth Assembly Technology modular system. Supplied at variable length - cut to the ordered dimension between 30 mm and 6070 mm - it reduces material waste and simplifies inventory management.

- Profile slot 10 allows direct integration of connectors and accessories from the Rexroth system kit without additional machining
- Anodized surface provides corrosion resistance and abrasion protection, ready to install without further treatment
- Area moments of inertia 10.4 cm<sup>4</sup> (x) / 8.3 cm<sup>4</sup> (y) and section moduli 4.6 cm<sup>3</sup> (x) / 4.1 cm<sup>3</sup> (y)

support precise dimensioning of conveyor supports and frame structures

- Cross-section area 4.4 cm<sup>2</sup>, mass 1.2 kg/m - light enough for manual handling, rigid enough for continuous production use

## Technical data

Property	Value
Material	Aluminum, anodized
Profile dimension	40 x 45 mm
Profile slot	10
Length min [L min]	30 mm
Length max [L max]	6070 mm
Condition on delivery	Variable length (cut-to-length pricing)
Profile surface [A]	4.4 cm <sup>2</sup>
Mass [m]	1.2 kg/m
Area moment of inertia x-direction [Ix]	10.4 cm <sup>4</sup>
Area moment of inertia y-direction [Iy]	8.3 cm <sup>4</sup>
Moment of resistance x-direction [Wx]	4.6 cm <sup>3</sup>
Moment of resistance y-direction [Wy]	4.1 cm <sup>3</sup>