

Kurve KU 1/90 mit Antrieb, 90°-Werkstückträgertransport, ESD-geeignet - Bosch Rexroth 3842999986

Item no. BRR-3842999986

Manufacturer Bosch Rexroth

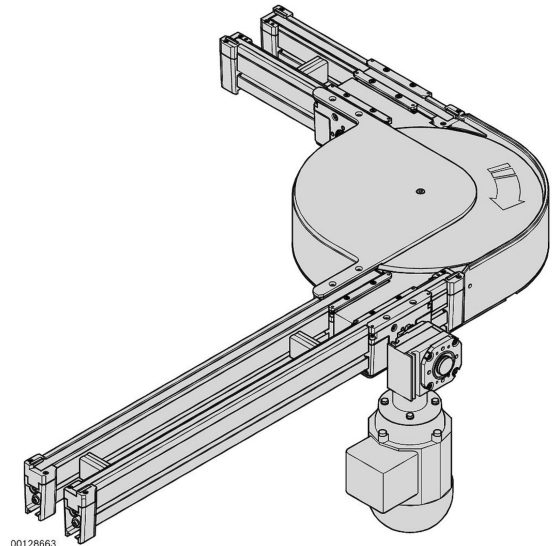
The KU 1/90 curve unit transfers workpiece carriers through 90 degrees using an integrated drive shared between the curve and the infeed/outfeed belt sections. Accumulation capability eliminates the need for complex controls, and the unit is rated for ESD environments and cleanrooms up to ISO Class 7. Track widths of 80, 120 and 160 mm and freely selectable infeed/outfeed lengths up to 5000 mm allow straightforward integration into TS 1 assembly lines.

TECHNICAL DATA

Ausführungsklasse **TEC**

Country of Manufacture **Germany**

Weight **0.0099 kg**

Zolltarifnummer **84313900**


STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth KU 1/90 is a 90-degree curve module for the TS 1 transfer system, redirecting workpiece carriers while driving the curve and its attached belt sections from a single shared drive. Built-in accumulation means the module runs without elaborate control logic and drops directly into existing TS 1 layouts.

- Section loads up to 30 kg in accumulation mode
- ESD-compatible (EPA-rated) and certified to cleanroom class ISO 7
- Track widths 80, 120 or 160 mm - consistent with standard TS 1 modules
- Infeed and outfeed lengths freely selectable, $l_{max} = 5000$ mm
- Curve direction right (KR = R) or left (KR = L) - ordered as required
- Motor mounting internal (MA = I) or external (MA = A)
- Nominal speeds 6, 9, 12, 15 or 18 m/min ($v_N = 0$: supplied without motor and gearbox)
- Dry-room rated to relative humidity below 1 %
- Rexroth 4EE energy-efficiency classification

TECHNICAL DATA

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Parameter	Value
Article number	3842999986
Curve angle	90°
Track width b	80 / 120 / 160 mm
Max. section load in accumulation mode	30 kg
Nominal speed vN	0; 6; 9; 12; 15; 18 m/min
Infeed/outfeed length L1, L2	0; 150 - 5000 mm (freely selectable)
Curve direction	right (R) or left (L)
Motor mounting	internal (I) or external (A)
ESD-compatible	yes
Cleanroom class	ISO Class 7
Dry room r.h.	< 1 %
Dimensions e x f x g (b = 80 mm)	162 x 165 x 372 mm
Dimensions e x f x g (b = 120 mm)	202 x 203 x 435 mm
Dimensions e x f x g (b = 160 mm)	240 x 243 x 492 mm
Weight (catalog record)	approx. 9.9 g (total weight varies by variant)
Delivery status	partially assembled
Scope of delivery	Curve module complete with drive, infeed section (L1 > 150 mm), outfeed section (L2 > 150 mm)