

Lift and Positioning Unit HP 2/L LS, Stroke 0-240 mm, ESD Suitable - Bosch Rexroth 3842999027

Item no. BRR-3842999027

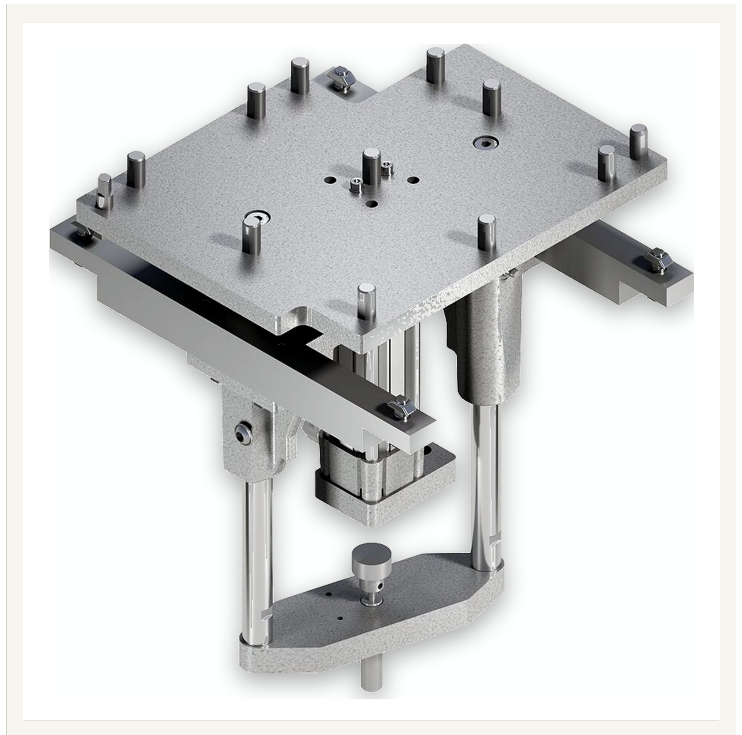
Manufacturer Bosch Rexroth

Pneumatic lift and positioning unit for the Bosch Rexroth WT 2 workpiece pallet system. The Ø 40 mm lifting cylinder with end-position damping covers five stroke ranges infinitely adjustable from 0 to 240 mm, with a repetition accuracy of 0.05 mm. Supplied fully assembled including fastening hardware and throttle non-return valve.

TECHNICAL DATA

Country of Manufacture **Germany**

HS-Code **84313900**

Weight **0.1 kg**


STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The HP 2/L LS lift and positioning unit precisely and repeatably positions WT 2 workpiece pallets within the Bosch Rexroth transfer system. The integrated Ø 40 mm lifting cylinder with damping at both end positions provides an infinitely adjustable stroke range from 0 to 240 mm across five stroke-range settings - achieving a repetition accuracy of 0.05 mm for strokes up to 204 mm. The lifting cylinder can be exchanged without disassembling the lift plate, significantly reducing maintenance downtime. A space-saving design with inner WT stop supports both central (HA = 0) and offset (HA = 1, for b = 240 mm only) configurations.

- Positioning via exchangeable positioning pins in the HP 2/L and positioning bushings in the WT 2 pallet
- Ø 40 mm lifting cylinder with damping for lower and upper end positions
- Lifting cylinder replaceable without removing the lift plate
- Adjustment time at H = 50 mm with no load: upward stroke 0.5 s, downward stroke 0.5 s (stroke range 0 to 28 mm)
- ESD-suitable for electrostatically sensitive production environments
- Supplied fully assembled including fastening material and throttle non-return valve

TECHNICAL DATA

Parameter	Value
ESD suitability	Yes
Permissible vertical process force [N]	400
Workpiece pallet total weight [mG] [kg]	40
Pneumatic straight connection [mm]	8
Repetition accuracy [mm]	0.05 (for strokes up to 204 mm)
Preferred values, length in transport direction [IT] [mm]	160, 240, 320
Lift arrangement [HA]	0 (central), 1 (offset, b = 240 mm only)
Required compressed air, min. pressure [pmin] [bar]	4
Required compressed air, max. pressure [pmax] [bar]	6
Stroke ranges h0 [mm]	0 to 240, infinitely adjustable (5 ranges)
Weight [kg]	0.1
Scope of delivery	Incl. fastening material, incl. throttle non-return valve, fully assembled
Required accessories	Position inquiry set for SA lifting cylinder, position inquiry set with turret stop RA, HP2/L housing element