

Lift and Positioning Unit HP 2/LS, ESD-Safe, Lift Height 0-404 mm - Bosch Rexroth 3842999028

Item no. BRR-3842999028

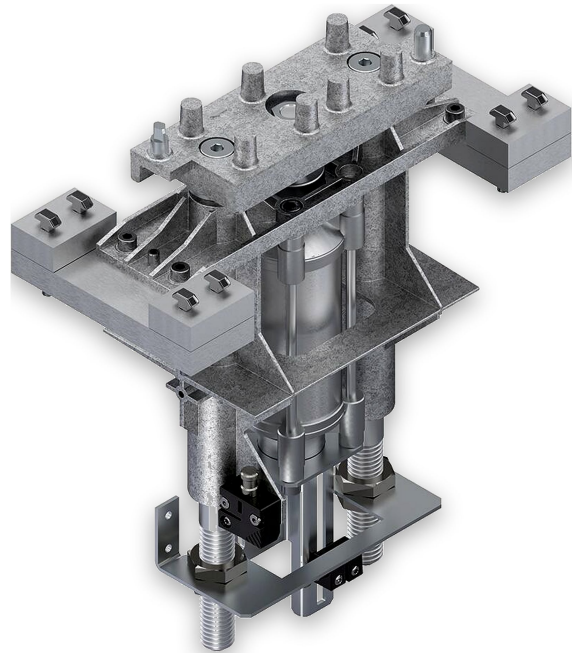
Manufacturer Bosch Rexroth

The HP 2/LS lift and positioning unit raises and precisely positions WT 2 workpiece pallets using the HP 2 positioning pins and WT 2 positioning bushings, achieving a repetition accuracy of 0.05 mm. The pneumatic lifting cylinder features adjustable damping at both end positions and an infinitely adjustable lift height across 8 lift ranges up to 404 mm. Rated for process forces up to 1100 N and pallet weights up to 110 kg; ESD-safe design.

TECHNICAL DATA

Country of Manufacture **Germany**

HS-Code **84313900**

Weight **0.1 kg**


STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The HP 2/LS lift and positioning unit integrates into Bosch Rexroth WT 2 transfer systems to lift and precisely locate workpiece pallets at defined stations. Positioning is achieved via the HP 2 positioning pins engaging the WT 2 pallet bushings, delivering repeatable accuracy for automated assembly and test processes.

- Repetition accuracy 0.05 mm - reliable station-to-station repeatability for automated assembly
- Infinitely adjustable lift height in 8 lift ranges, hN 0 to 404 mm
- Permissible vertical process force 1100 N; maximum workpiece pallet weight 110 kg
- ESD-safe - suitable for electrostatically sensitive assemblies and components
- Pneumatic supply 4-6 bar, push-in fitting Ø 6 mm; adjustable upper and lower end-position damping
- Supplied fully assembled including fastening hardware and M12 sensor bracket for top and bottom lift position sensing

TECHNICAL DATA

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Specification	Value
ESD protection	Yes
Permissible vertical process force	1100 N
Max. workpiece pallet weight mG	110 kg
Repetition accuracy	0.05 mm
Lift height hN	0 to 404 mm (8 lift ranges)
Preferred lift values	160, 240, 320, 400, 480 mm
Length in transport direction IT	0, 160, 240, 320, 400, 480, 640, 800 mm
Operating pressure pmin	4 bar
Operating pressure pmax	6 bar
Pneumatic connection	Push-in fitting Ø 6 mm
Scope of delivery	Fully assembled, fastening hardware, M12 sensor bracket top and bottom
Required accessories	Stop gate VE 2/..., throttle non-return valve G 3/8" Ø 6 mm (customer-supplied), sensor
Recommended accessories	HP2 housing element
Weight	0.1 kg