

HP 2 Lift and Positioning Unit, ESD-Safe, 0-404 mm Lift - Bosch Rexroth 3842999678

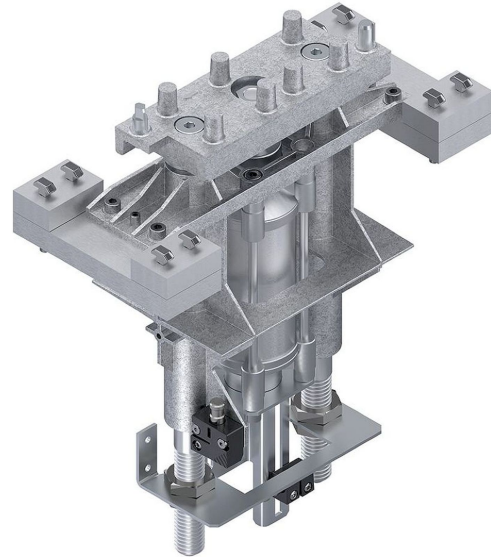
Item no. BRR-3842999678

Manufacturer Bosch Rexroth

The HP 2 lift and positioning unit raises WT 2 workpiece pallets and positions them precisely via mating positioning pins and bushings. The pneumatic lift cylinder offers eight continuously adjustable lift ranges from 0 to 404 mm, with damping at both end positions. Repetition accuracy is 0.05 mm, permissible vertical process force 1100 N; ESD-safe design.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	84313900
Weight	0.0099 kg



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth HP 2 lift and positioning unit is designed for lifting and precisely locating WT 2 workpiece pallets in linked transfer systems. Positioning is form-fit via the HP 2 positioning pins engaging the WT 2 positioning bushings. The unit is supplied fully assembled and is ESD-safe.

- Eight lift ranges, continuously adjustable from 0 to 404 mm lift height hN
- Lift cylinder with adjustable damping at upper and lower end stops - upper damping activates under full lift only
- Repetition accuracy 0.05 mm for consistent process quality
- Permissible vertical process force 1100 N, maximum load version 1000 N (Fmax)
- Maximum workpiece pallet total weight 110 kg
- Push-in pneumatic connection 6 mm diameter, operating pressure range 4-6 bar
- ESD-safe design for electrostatic-sensitive production environments
- Supplied fully assembled including fastening material and switch bracket for M12 sensors at top and bottom lift positions

TECHNICAL DATA

Parameter	Value
Lift height hN	0 ... 404 mm (8 ranges, continuously adjustable)
Preferred lift values [mm]	160, 240, 320, 400, 480
Length in direction of transport IT [mm]	0, 160, 240, 320, 400, 480, 640, 800
Permissible vertical process force	1100 N (incl. WT 2)
Maximum load version Fmax	1000 N
Workpiece pallet total weight mG max.	110 kg
Repetition accuracy	0.05 mm
Pneumatic connection	Push-in fitting, diameter 6 mm
Operating pressure pmin / pmax	4 / 6 bar
ESD-safe	Yes
Weight	0.0099 kg (shipping weight; total weight depends on lift configuration)
Delivery condition	Fully assembled
Scope of delivery	Incl. fastening material, switch bracket for M12 sensors top and bottom
Required accessories	Stop gate VE 2/.., throttle non-return valve exhaust air G 3/8" / 6 mm, sensor
Recommended accessories	HP2 housing element