

HQ 2/U-H Lift Transverse Unit, ESD-Suitable, up to 128 kg Total Load - Bosch Rexroth 3842998750

Item no. BRR-3842998750

Manufacturer Bosch Rexroth

The HQ 2/U-H lift transverse unit transfers workpiece pallets pneumatically between longitudinal and transverse sections in the TS 2plus conveyor system. It handles total pallet weights up to 128 kg and is fully ESD-suitable, with duplex chain conveying for use in EPA zones. Two or three lift positions and track widths from 240 to 640 mm give it broad application across assembly lines.

TECHNICAL DATA

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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The HQ 2/U-H lift transverse unit feeds workpiece pallets pneumatically from a longitudinal section into a transverse section - and back - making it the central transfer element in TS 2plus assembly systems. Designed for high total loads up to 128 kg and ESD-safe environments, it uses a duplex chain as the conveying medium (EPA-rated) and drives the lifting movement with 2 to 4 block cylinders depending on size class (BG 1-3).

- ESD-suitable: duplex chain conveying qualifies for EPA production zones
- Total workpiece pallet weight up to 128 kg (mG)
- Pneumatic equipment selectable for 2 positions (top, center) or 3 positions (top, center, bottom)
- Reversing operation possible - variable-height lateral guides enable positive stop during outfeed
- Compatible with ST 2 sections (45 mm profile width) and ST 2/H sections (50 mm profile width)
- Works with workpiece pallets WT 2, WT 2/F, WT 2/H and WT 2/F-H
- Sensor mounting for speed control during infeed (M12x1 sensor, rated sensing range SN = 4 mm)
- Rexroth 4EE energy efficiency classification

TECHNICAL DATA

Parameter	Value
Article number	3842998750
Max. workpiece pallet total weight (mG)	128 kg
ESD-suitable	Yes
Conveying medium	Duplex chain (EPA-rated)
Required compressed air connection (p)	4 - 6 bar
Pneumatic plug connection (Ø)	BG 1/2/3: 6 mm; BG 3: 8 mm
Number of lifting cylinders	BG 1: 2; BG 2: 3; BG 3: 4
Lift positions (pneumatic equipment)	PN 2: top + center; PN 3: top + center + bottom
Reversing operation	Possible
Track width bQ / bL	240; 320; 400; 480; 640 mm
Nominal speed vN	6; 9; 12; 15; 18 m/min
Mounting location / profile (AO)	0: profile 45x80; 1: profile 45x100; 2: profile 50x100
Motor connection (AT)	S: cable/connector; K: terminal box
Scope of delivery	Incl. fastening material, pneumatic equipment, assembly kit for electrical position sensing, protective housing (not pre-assembled)
Required accessories	1x M12x1 sensor (SN = 4 mm) per position query; adapter plate for VA 2/D-130 (on request)
Recommended accessories	Dampers DA 2/150-E, DA 2/100-E (vN > 9 m/min or mG > 30 kg); rockers WI 2, WI/M + dampers DA 2/100-C for infeed