

PE 5/T Positioning Unit for WT 5 Workpiece Pallets, 5 mm Lift, ± 0.3 mm Accuracy - Bosch Rexroth 3842998177

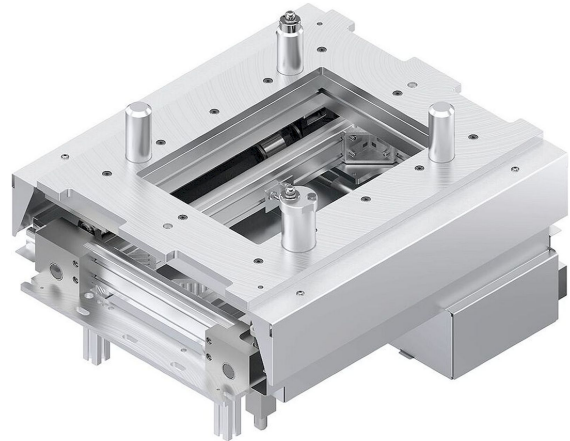
Item no. BRR-3842998177

Manufacturer Bosch Rexroth

The PE 5/T positioning unit lifts WT 5 workpiece pallets 5 mm above the transport level and positions them with ± 0.3 mm accuracy in x and y for manual or automated processing in transverse conveyor systems. Installation from above is possible, and the unit accepts compressed air at 5 to 6 bar via an 8 mm push-in fitting. It is compatible with ST 5/H and ST 5/XH conveyor sections (not the FR variants) and is supplied fully assembled including fastening hardware.

TECHNICAL DATA

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



DESCRIPTION

The PE 5/T is a pneumatically actuated positioning unit for the Bosch Rexroth Assembly Technology Series 5 transverse conveyor system. It raises incoming WT 5 workpiece pallets clear of the moving belt, positions them with a repeat accuracy of ± 0.3 mm in x and y, and holds them steady for manual or automated processing operations. The 5 mm lift over the transport level provides clean decoupling from the conveyor. Permissible vertical process force at center load reaches 4000 N in conveyor-section installations; forces up to 15 000 N are available with direct support on request.

- Compatible with all WT 5 workpiece pallets
- Positioning accuracy ± 0.3 mm in x and y direction
- 5 mm lift over transport level - reliable decoupling from the moving belt
- Top-down installation possible - simplifies integration into existing lines
- Fits ST 5/H and ST 5/XH conveyor sections (not compatible with FR variants)
- Supplied assembled, including fastening material for ST 5/XH and stop kit for VE 5/D-300 and VE 5/D-1000

TECHNICAL DATA

Parameter	Value
Article number	3842998177
Lift over transport level	5 mm

Parameter	Value
Positioning accuracy	±0.3 mm (x and y)
Max. vertical process force (center load)	up to 4000 N (in section); up to 15 000 N with direct support (on request)
Compressed air connection	5 ... 6 bar
Push-in air connection	8 mm
Track width - longitudinal transport (bL)	455 / 650 / 845 mm
Track width - transverse transport (bQ)	455 / 650 / 845 / 1040 mm
Positioning unit width (bPE)	441 / 636 / 831 mm
Positioning unit length (IPE)	471 / 576 / 764 mm
Cover option (SC)	1 = without covers, 2 = with covers
Compatible conveyor sections	ST 5/H, ST 5/XH (not ST 5/H-FR, ST 5/XH-FR)
Required accessory (ST 5/H)	Assembly kit 3 842 996 185
Required stop gates	VE 5/200, VE 5/D-300, VE 5/D-301 or VE 5/D-1000
Delivery state	Fully assembled
Weight	0.0099 kg (unit weight; total weight depends on track width)