

Positioning Unit PE 1/P for WT 1/P, ESD, Repeat Accuracy +/- 0.015 mm - Bosch Rexroth 3842998102

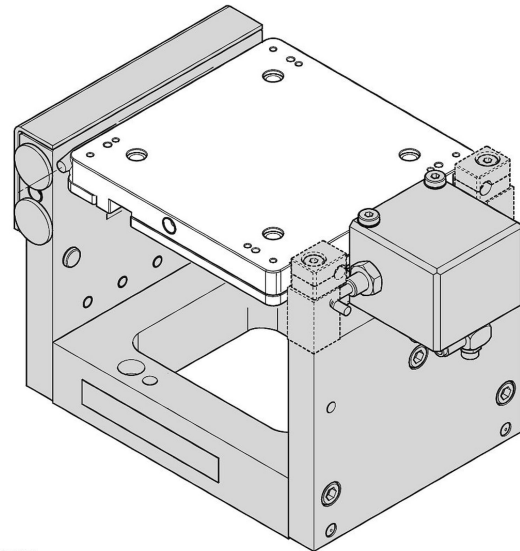
Item no. BRR-3842998102

Manufacturer Bosch Rexroth

Precision positioning unit for workpiece pallet WT 1/P in the TS 1 transfer system. Positions the workpiece in the machining station with a repeat accuracy of +/- 0.015 mm via a spring-loaded dowel pin and floating-supported shaft. ESD-rated, cleanroom class ISO 7, compressed air supply 4-6 bar.

TECHNICAL DATA

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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The PE 1/P positioning unit accurately locates workpiece pallet WT 1/P in machining stations and manual workstations where the highest repeat accuracy is required. Positioning is achieved via a spring-loaded dowel pin and a floating-supported shaft on the side of the workpiece pallet, delivering +/- 0.015 mm in both X and Y directions.

- Repeat accuracy +/- 0.015 mm in X- and Y-direction
- Permissible vertical process force up to 100 N including workpiece pallet
- Mounts directly under the conveyor section or on the table top of an automated station - no interruption of the section profile required
- Access to the workpiece pallet from below is possible
- ESD-rated, cleanroom class ISO 7, dry room relative humidity < 1 %
- One stop gate VE 1 or VE 1/D required for pre-positioning (not included)

TECHNICAL DATA

Parameter	Value
Article number	3842998102

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Parameter	Value
Compatible workpiece pallet	WT 1/P
Repeat accuracy (X/Y)	+/- 0.015 mm
Permissible vertical process force	100 N
Lift of WT over conveyor medium (h0)	1.05 mm
Track widths (b)	80 / 120 / 160 mm
Required compressed air supply	4 ... 6 bar
Pneumatic straight connection	dia. 4 mm
ESD	yes
Cleanroom class	ISO class 7
Dry room	r.h. < 1 %
Weight	approx. 0.01 kg
Scope of delivery	Positioning unit, sensor for position sensing of clamping cylinder, fastening material, pneumatic screw fitting (throttle non-return valve for intake throttling), three SH 1/U switch brackets, stop bushing
Delivery condition	Fully assembled

MINIMUM WORKPIECE PALLET CYCLE TIMES

Track width b (mm)	Conveyor speed v (m/min)	Cycle time t (s)
80	12	0.7
80	18	0.65
120	12	0.9
120	18	0.8
160	12	1.1
160	18	0.95