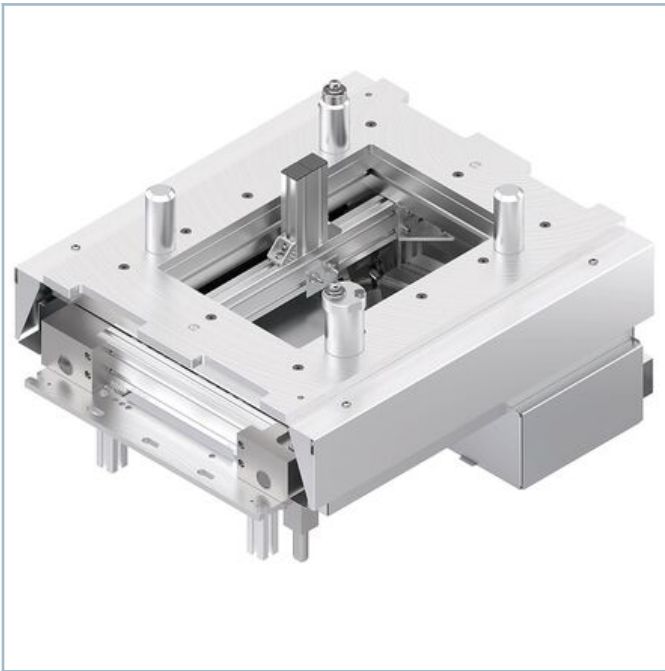


PE 5 Positioning Unit



- Positioning a workpiece pallet in a manual or automated processing station in the longitudinal conveyor with high positioning accuracy requirements (± 0.3 mm)

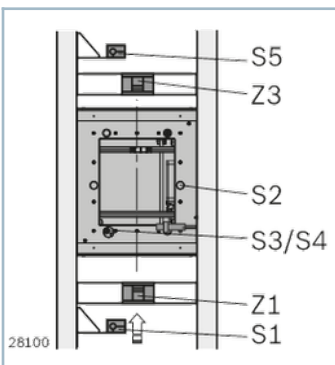
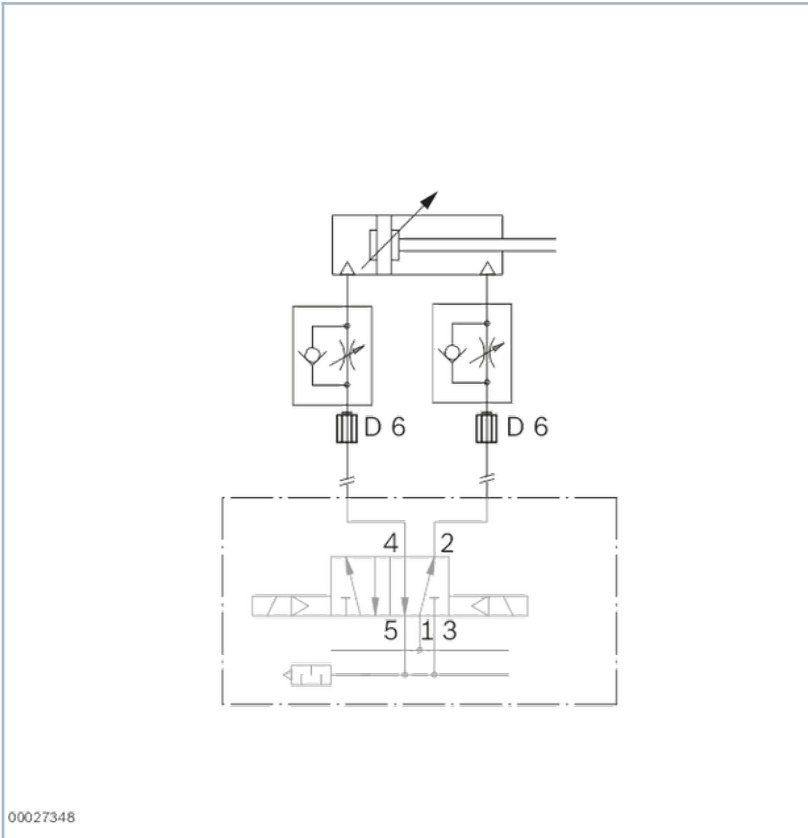
- Can be used with all WT 5 workpiece pallets
- Installation from above also possible
- Lift over transport level: 5 mm
- Positioning accuracy: ± 0.3 mm in x and y direction
- Permissible vertical process force with center load: up to 4000 N²⁾ regardless of the WT weight
- Suitable for ST 5/XH and ST 5/H (not ST 5/XH-FR or ST 5/H-FR)
- Compressed air connection: 5 ... 6 bar
- Push in air connection: 8 mm
- ²⁾ If assembling in a ST 5/H section place legs directly in front of and behind the PE 5.

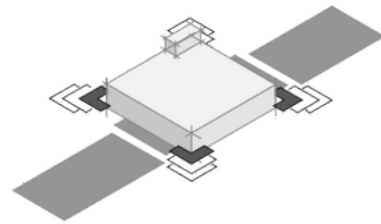
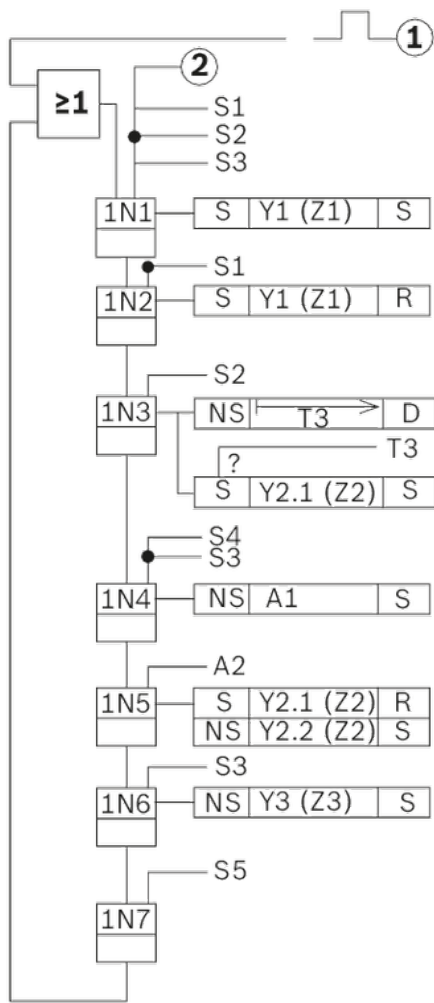
Product description

Sensor application matrix

Assembly, positioning, and orientation

Symbols/Circuit diagrams





33036

S1 = WT before VE

S2 = WT arrival

S3 = Lift end position at bottom

S4 = Lift end position at top

S5 = WT after VE

Y1 = Open VE (Z1)

Y2 = WT lift (Z2)

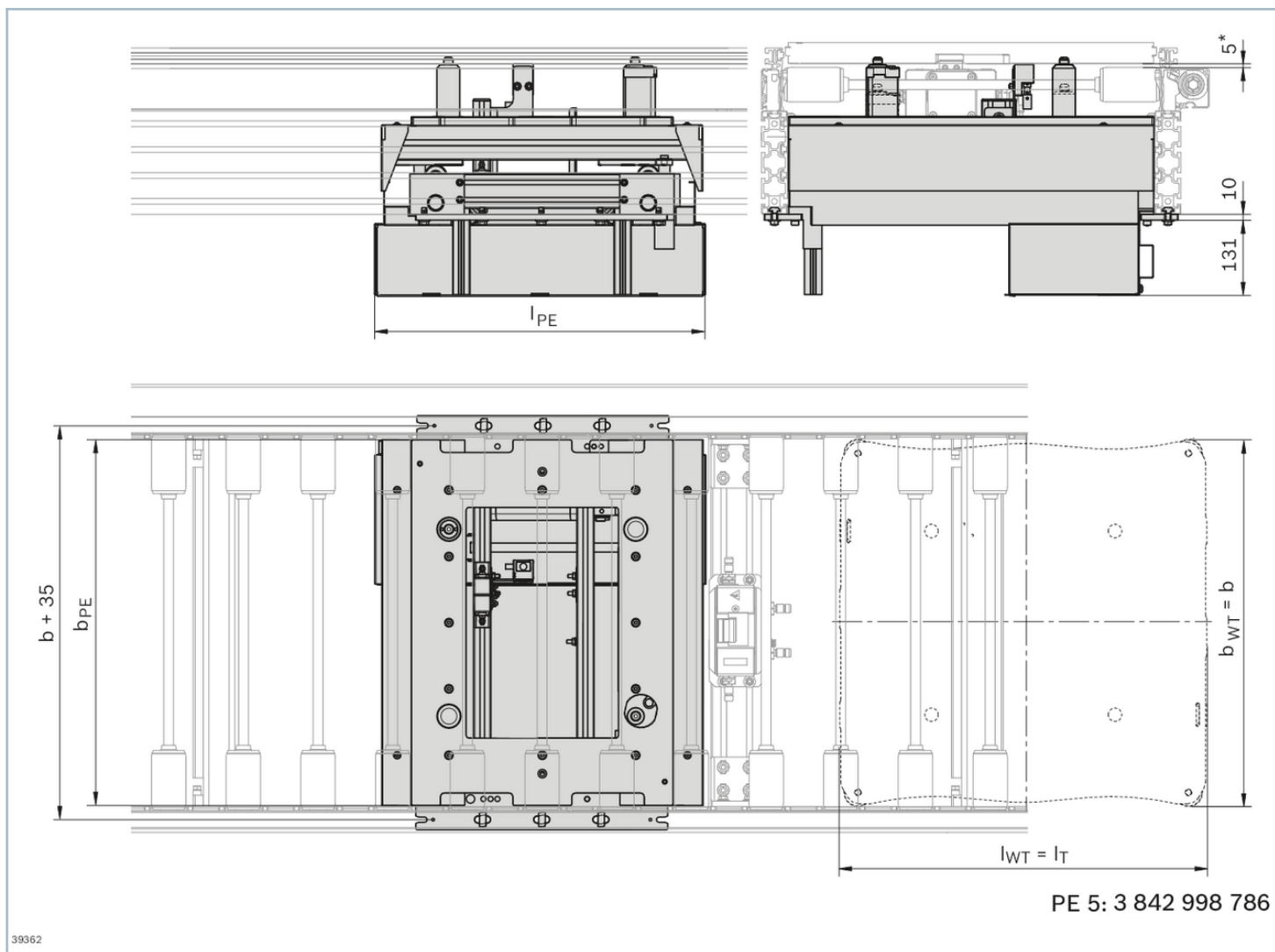
Y3 = Open VE (Z3)

A1 = Start of processing

A2 = End of processing

Dimensions

PE 5 Positioning Unit



* Lift over transport level

Track width	Length in direction of transport	Positioning unit width	Positioning unit length
b	l_T	b_{PE}	l_{PE}
mm	mm	mm	mm
455	455	441	471
455	650	441	576
650	650	636	576
650	845	636	764
845	845	831	764
845	1040	831	966

Accessories

Required accessories

Assembly kit 3 842 996 185 is required for assembly in conveyor sections ST 5/H

VE 5/200, VE 5/D-300, VE 5/D-301 or VE 5/D-1000 stop gate

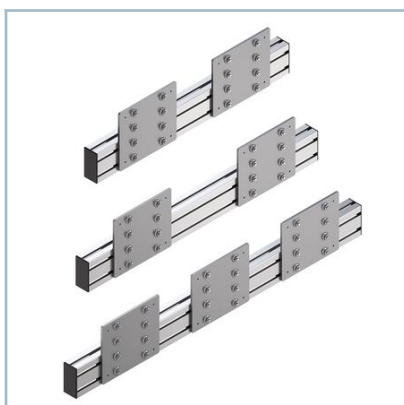
Switch bracket SH 2/U-H 3 842 537 289 (Not with size b = 455 mm)

Assembly kit SH 2/U-H 3 842 545 132

Recommended accessories

Lateral guide cover

Protective sleeves



Mounting kit for PE 5 and PE 5/T positioning units

- Fastening the PE 5 and PE 5/T positioning unit in the ST 5/H conveyor unit



Cover of lateral guide for positioning units

- The lateral guide covers are provided on both sides in the vicinity of the PE 5, PE 5/T, PE 5/L, PE 5/L-T, PE 5/OC and PE 5/OC-T positioning unit to increase safety.
- **Note:** Do not walk on the protective covers



SH 2/U-H switch bracket

- Fastening for a M12x1 sensor for workpiece pallet position sensing from below and for position inquiry at HQ 5... and PE 5...
 - Especially sturdy metal design
 - Integrated stop for 12 mm sensor
 - Mounting location: On the assembly kit for the switch bracket
-

Delivery notes

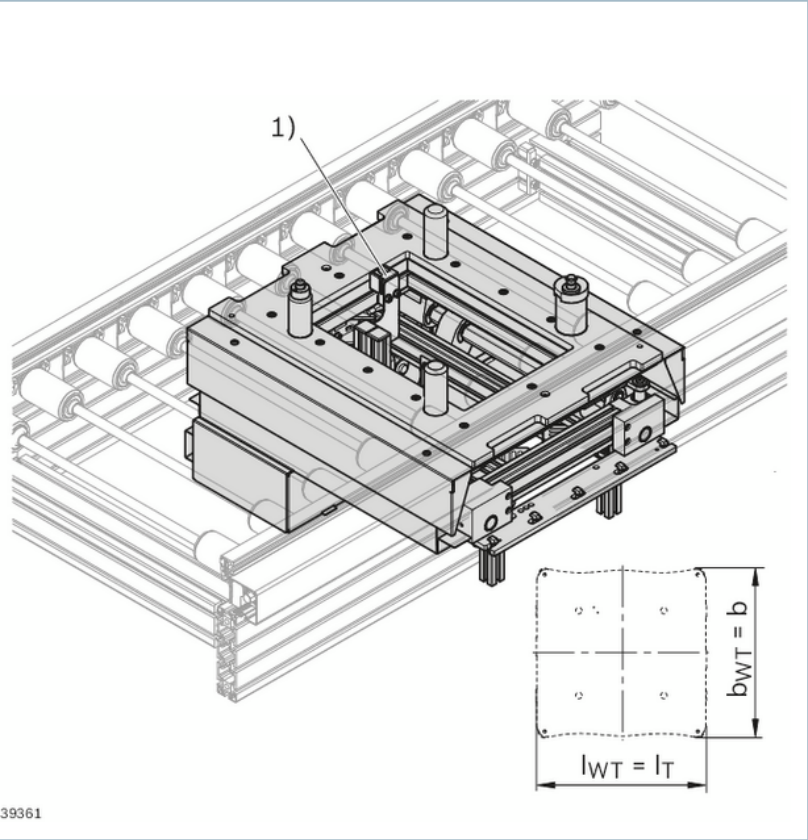
Scope of delivery

Incl. fastening material for mounting the PE 5 in ST 5/XH conveyor sections

Condition of Delivery

Fully assembled

Ordering codes



1) Not for size b = 455 mm

Order Parameter

b	Track width	455; 650; 845
l_T	Length in direction of transport	455; 650; 845; 1040
SC	Protective case 0: without protective case 1: with protective case	1; 2

	No.
PE 5 Positioning Unit	3842998786