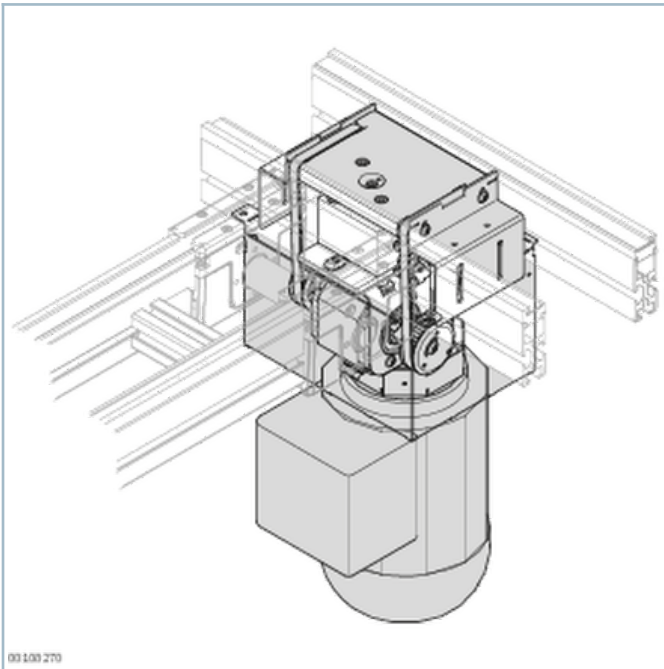


Lift Transverse Unit HQ 1/U



- Extremely compact construction thanks to the gear motor hanging down at the bottom. Suitable for tight spaces.
- Conveyor medium: Toothed belt
- Lift cylinder – D = 25 mm
- Total stroke: 13 mm
- Conveyor medium: Toothed belt with mesh top, suitable for use in an EPA

 [Assembly instructions](#)

- Pneumatic equipment for 2 (top, center) or 3 (top, center, bottom) lift positions
- Motor connection optionally with cable/plug (AT = S) or terminal box (AT = K)
- Special models on request

Product description

Transverse conveyor of workpiece pallets WT 1 when passing from a longitudinal section to a transverse section or when transferring from a transverse section to a longitudinal section.

It is also suitable for use in ESD applications.

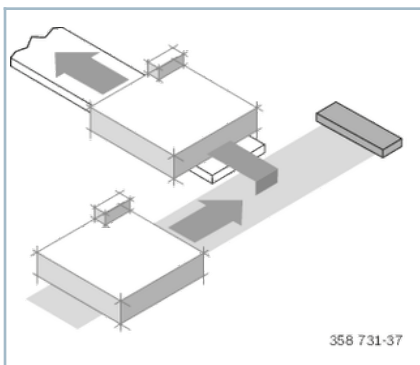
Reversible operation is permitted; accumulation operation is not permitted.

Energy efficiency – Rexroth 4EE

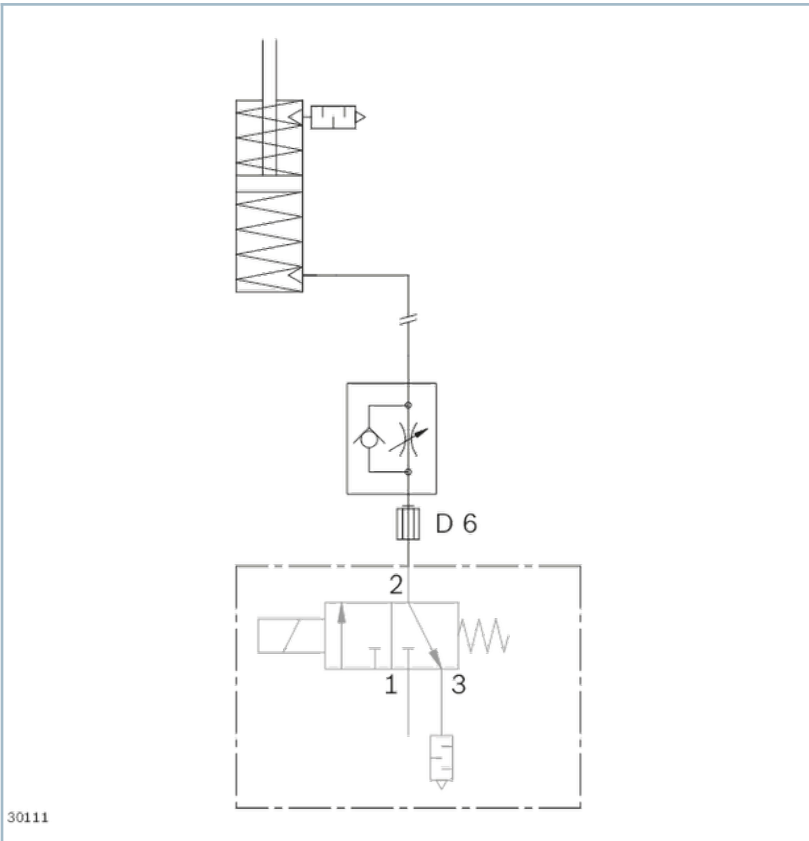
Technical data

No.			3842998010
Max. total weight of workpiece pallet	m _G	kg	3
ESD			yes
Cleanroom class			ISO class 7
Dry room	r.F.	%	< 1
Reversible operation			permitted
Required compressed air connection	p	bar	4 ... 6 bar
Pneumatic push-in fitting	Ø	mm	4

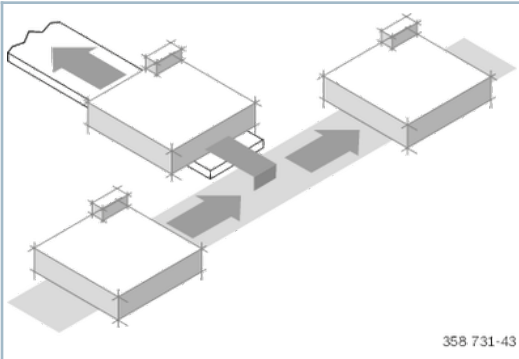
Symbols/Circuit diagrams



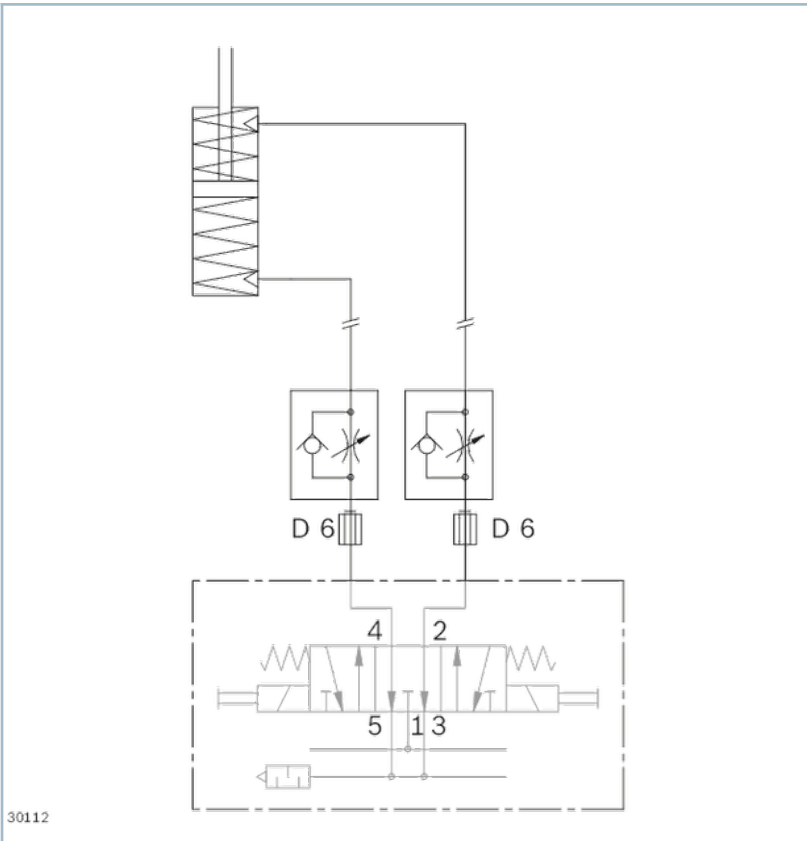
Circuit diagram for unit with pneumatic equipment for two positions PN = 2



1) Not included in the scope of delivery



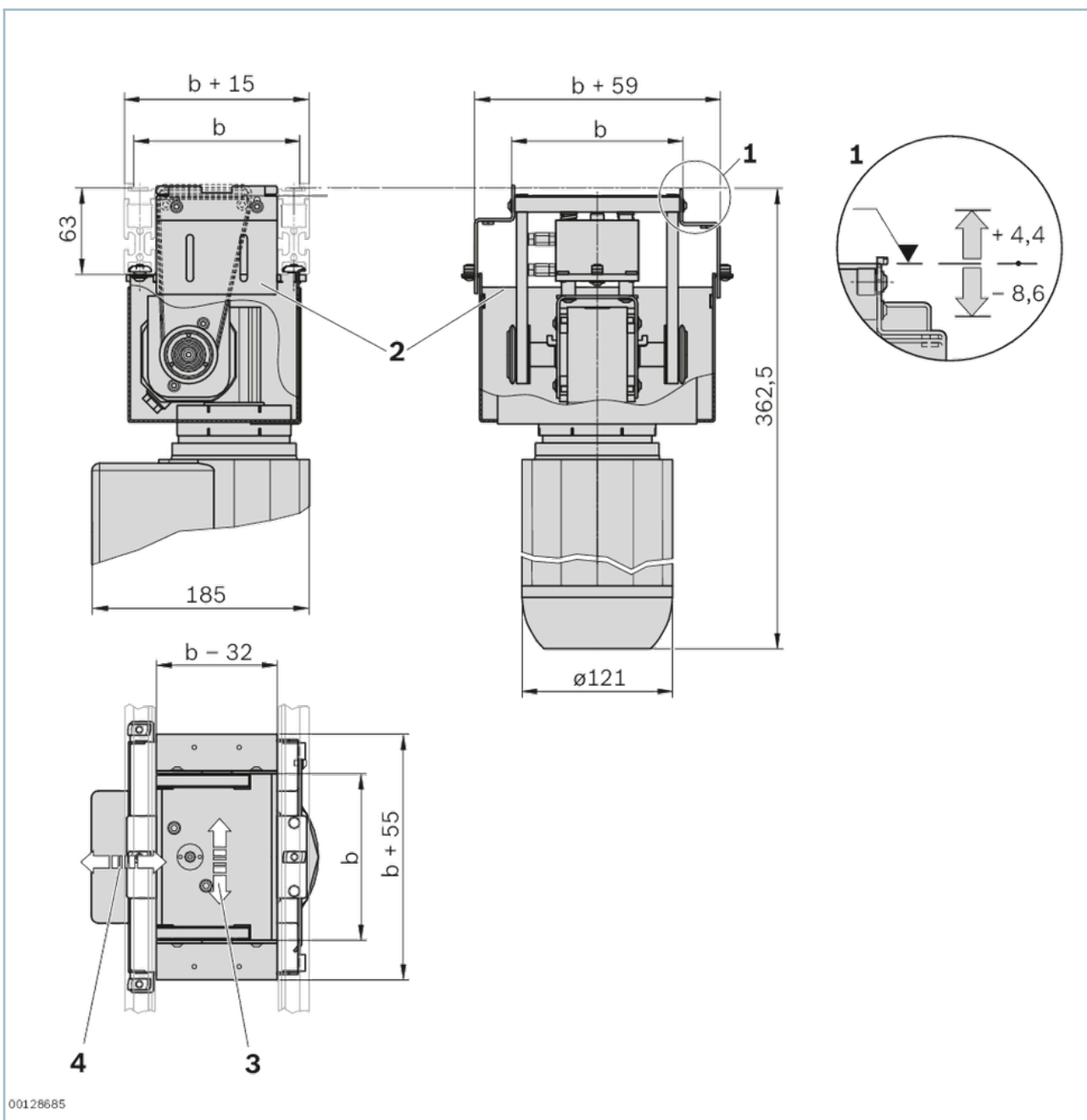
Circuit diagram for unit with pneumatic equipment for three positions PN = 3



1) Not included in the scope of delivery

Dimensions

Lift transverse unit HQ 1/U



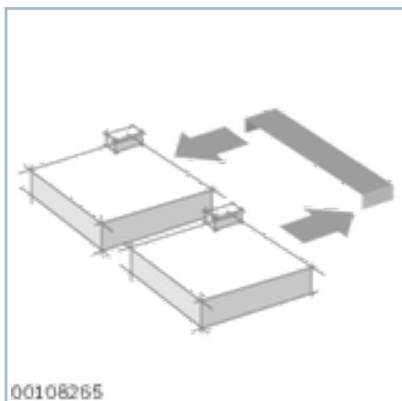
- 1) Lift
- 2) Protective housings
- 3) Transport direction of longitudinal conveyor section
- 4) Transport direction of transverse conveyor section

Accessories

Required accessories

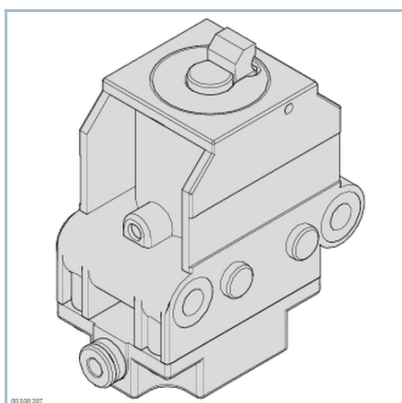
Two throttle non-return valves M5 for air intake throttling

Stop rail



Connection Kit, Stop Rail

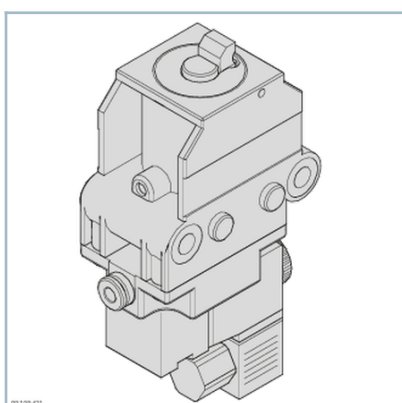
[PDF](#) Assembly instructions



Stop Gate VE 1

[PDF](#) Assembly instructions

- Pneumatic stop gate. When the pressure is released the stop gate is closed by a spring and the workpiece pallet is stopped.
- Tilting stop gate; can be opened without causing abrasion on the workpiece pallet stop surface.
- Permissible total load of all workpiece pallets in the accumulation: 80 kg (with conveying speed 9

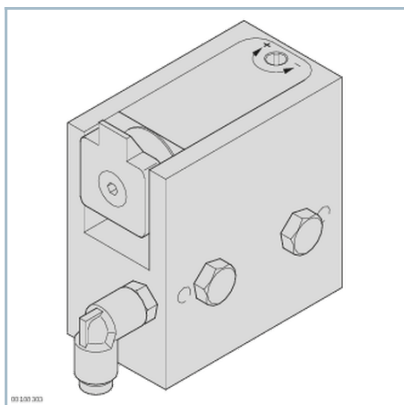


Stop Gate VE 1/V

[PDF](#) Assembly instructions

- Pneumatic stop gate. When the pressure is released the stop gate is closed by a spring and the workpiece pallet is stopped.
- Integrated solenoid valve enables short response times
- Tilting stop gate; can be opened without causing abrasion on the workpiece pallet stop surface.

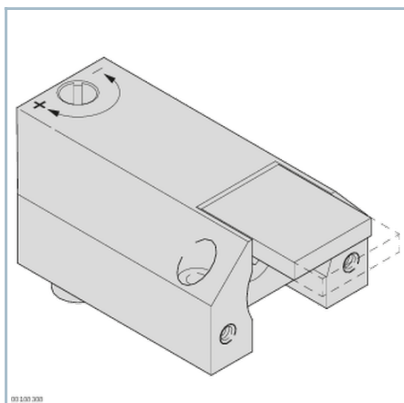
- Permissible total load of all workpiece pallets in the accumulation: 80 kg (with conveying speed 9



Stop Gate, damped VE 1/D

[PDF](#) Assembly instructions

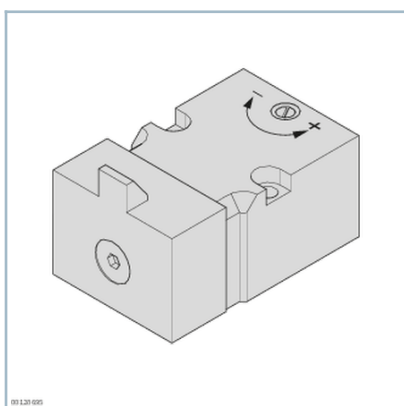
- Pneumatic stop gate. When the pressure is released the stop gate is closed by a spring and the workpiece pallet is stopped.
- Pneumatic damping can be adapted to the workpiece pallet weight
- Workpiece pallet minimum weight: 0.5 kg
- Permissible total load of all workpiece pallets in the accumulation: 12 kg (with conveying speed 6



Damper DA 1/A

[PDF](#) Assembly instructions

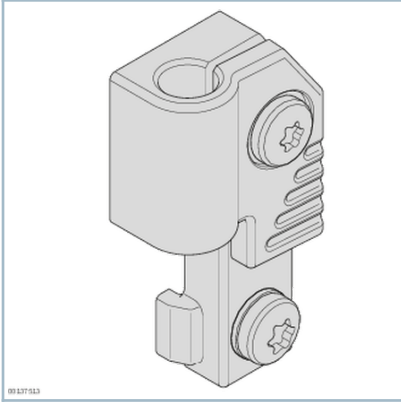
- Pneumatic damper
- Degree of damping adjustable
- Workpiece pallet load 0.5 kg to 6 kg permissible (with conveying speed 9 m/min)



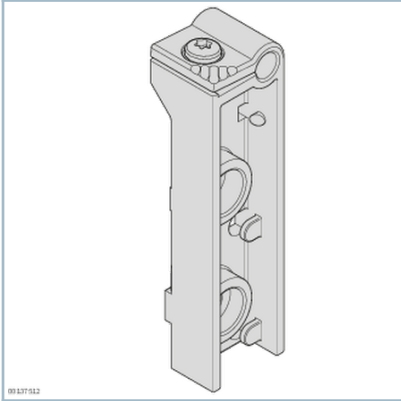
Damper DA 1/B

[PDF](#) Assembly instructions

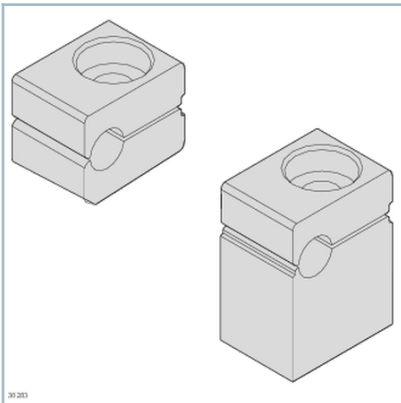
- Pneumatic damper
- Degree of damping adjustable
- Workpiece pallet load 0.5 kg to 6 kg permissible (with conveying speed 9 m/min)



Switch Bracket SH 1/U

[PDF](#) Assembly instructions

Switch Bracket SH 1/S

[PDF](#) Assembly instructions

Switch brackets SH 1/M-A and SH 1/M-B

- Setup from the half shells and in two versions possible
- Half shells: Polyamide; black

Delivery notes

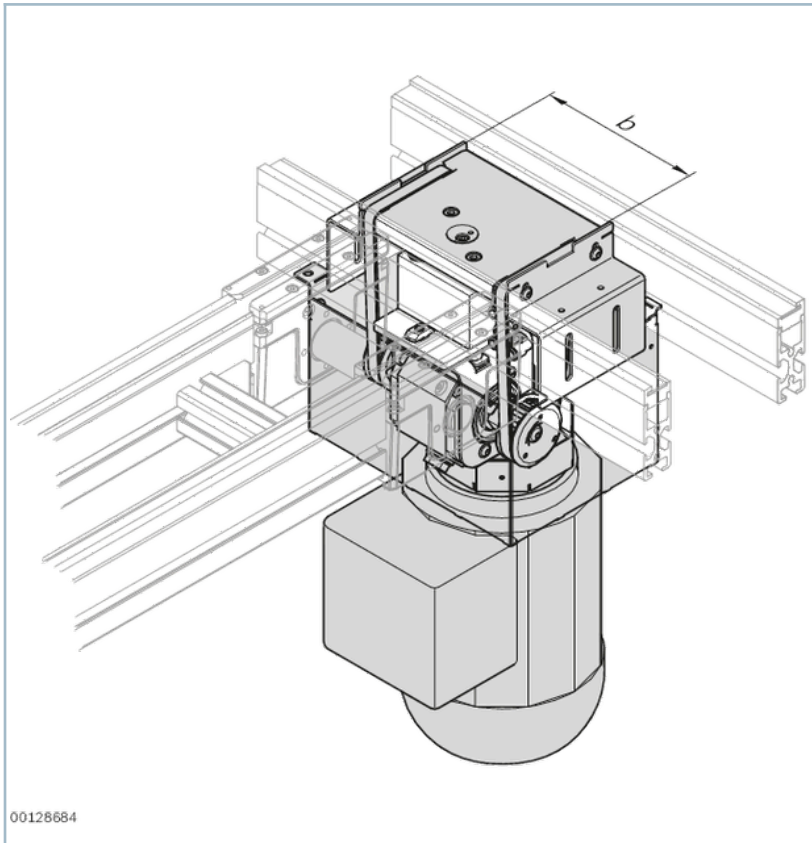
Scope of delivery

HQ 1/U lift transverse unit, completely assembled

Protective housing

Fastening material for attachment to an ST 1 section

Ordering codes



Order Parameter

b_Q (mm)	Track width in the transverse conveyor	80; 120; 160
b_L (mm)	Track width in the longitudinal conveyor	80; 120; 160
v_N (m/min) ¹⁾	Nominal speed	0; 6; 9; 12; 15; 18
U, f (V, Hz)	Voltage, frequency	see motor data
AT	Motor connection S: cable/plug K: terminal box	S; K
PN	Pneumatic equipment 2: lift position top and center position 3: lift position top, center and bottom position	2; 3

1) $v_N = 0$: without motor or gear

	No.
Lift Transverse Unit HQ 1/U	3842998010