

Lift transverse unit HQ 2/O



- ▶ Lift transverse unit for feeding out from a longitudinal section into a transverse section and vice versa
- ▶ Low height with motor mounted on side. It is therefore suitable for the operation of double-deck conveyor sections
- ▶ In two sizes with one or two lifting cylinders
- ▶ Conveyor medium: Toothed belt (suitable for use in an EPA)
- ▶ Pneumatic equipment for 2 (top, center) or 3 (top, center, bottom) lift positions
- ▶ Suitable for mounting on a section ST 2/... with a profile width of 45 mm or a section ST 2/... H with a profile width of 50 mm
- ▶ Can be combined with workpiece pallets WT 2/E, WT 2 and WT 2/F

Notice:

- ▶ Reversible operation possible
- ▶ Accumulation operation not permitted

The HQ 2/O does not have a built-in drive. Drive is provided by a toothed belt coupling with a belt section BS 2/T, BS 2/TE, BS 2/M-2 or by a separate drive motor. It is a part of all electrical transverse conveyors EQ 2/... and can also be used in special system designs. The vertical

movement is delivered by pneumatic cylinders. Two sizes for overall weights (workpiece pallet + load) of up to 30 kg are available: Size 1 (BG 1) with one lifting cylinder. Size 2 (BG 2) with two lifting cylinders for workpiece pallet dimensions of 400 x 480 mm and above.

Required accessories

- ▶ 1x sensor M12x1 with rated switching distance $S_N = 4$ mm for each (top/center/bottom) position sensing location (3842549814, 3842501548)
- ▶ Belt section BS 2/T (3842999722), BS 2/TE (3842999723), BS 2/M-2 (3842994164) for driving
- ▶ HQ 2/T (3842998114) in the tandem design
- ▶ Connection belt set for HQ 2/O drive (3842563517, 3842563518) via a belt section
- ▶ Protective case SK 2/B

Scope of delivery

- ▶ Incl. fastening material
- ▶ Pneumatic equipment for two or three positions
- ▶ Construction kit for electrical position sensing for 1 to 3 sensors (top/center/bottom). You can query all 3 lift positions.

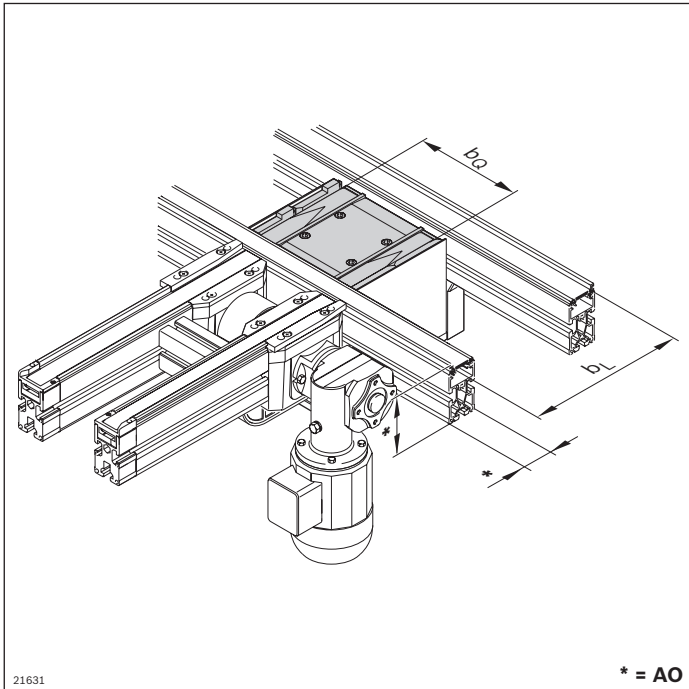
Recommended accessories

- ▶ Damper DA 2/60 (3842557983) for outfeeding workpiece pallets at $v_N > 9$ m/min
- ▶ Rockers WI 2/... or WI/M (3842530797) and dampers DA 2/60 (3842557983), DA 2/100-C for BG 2 (3842525734) for infeeding workpiece pallets
- ▶ Assembly tool (3842567664) for simple tensioning of the connection belt toothed belt

Condition on delivery

- ▶ Assembled

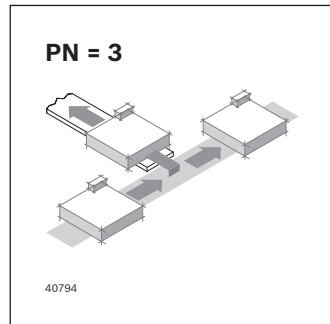
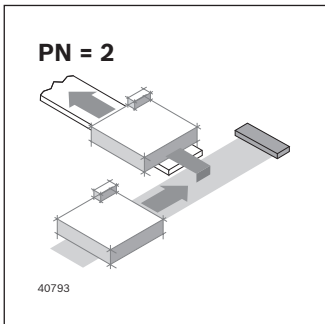
Ordering information



Material number		3842998113
b_Q (mm)	Track width in the transverse conveyor	160; 240; 320; 400; 480; 640; 800
b_L (mm)	Track width in the longitudinal conveyor	160; 240; 320; 400; 480
$b_Q \times b_L$ (mm x mm)	Combination options	BG 1: 160 x 160; 240; 320 240 x 160; 240; 320; 400 320 x 160; 240; 320; 400 400 x 240; 320; 400 480 x 320 BG 2: 400 x 480 480 x 400; 480 640 x 400; 480 800 x 400; 480
AO	Installation location, profile 0 = profile 45x80 1 = profile 45x100 2 = profile 50x100	0; 1; 2
PN	Pneumatic equipment	2 ¹⁾ ; 3 ²⁾

¹⁾ PN = 2: Upper and middle lift position

²⁾ PN = 3: Upper, middle and lower lift position

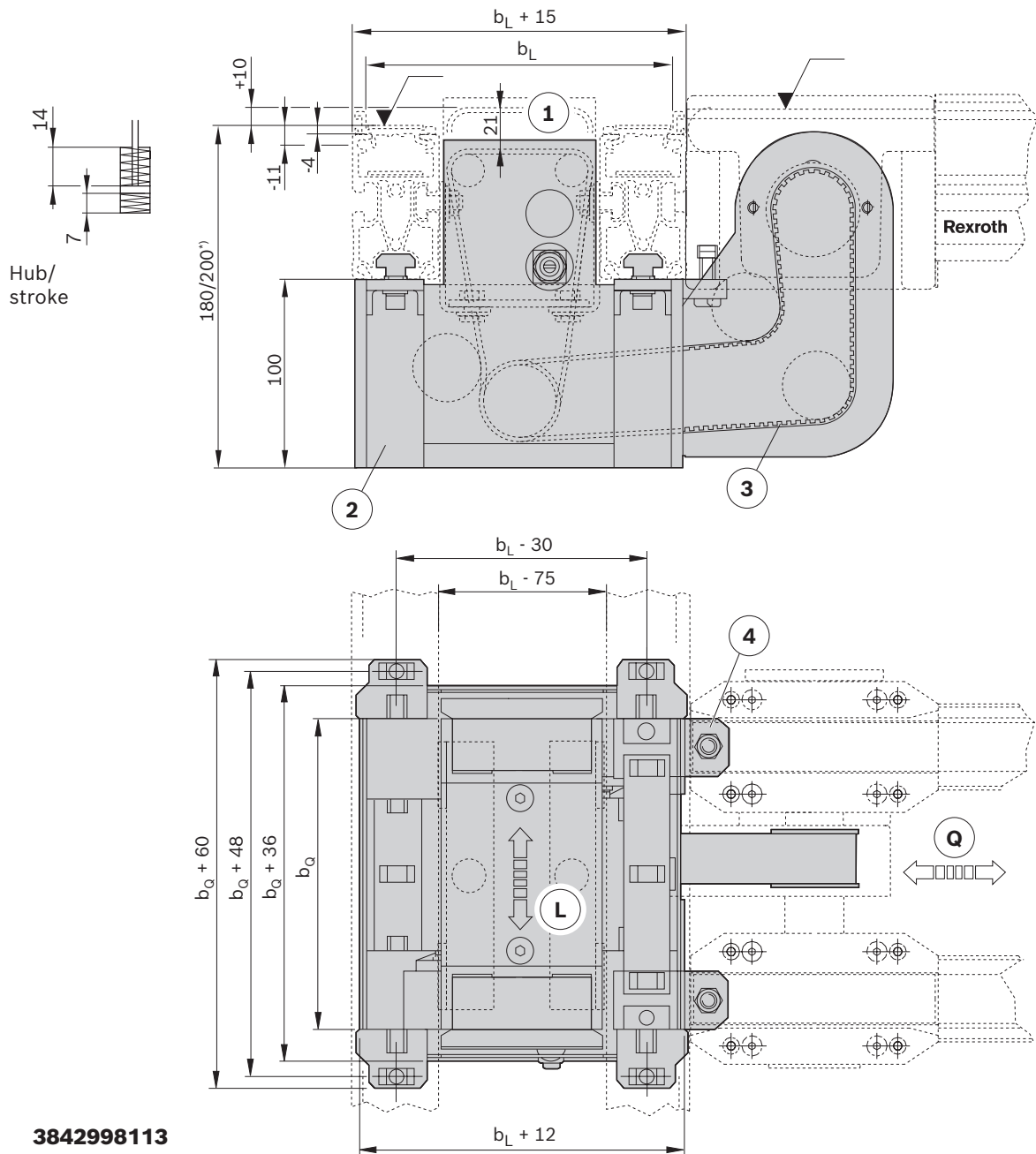


Technical data

Material number		3842998113
Max. total workpiece pallet weight	m_G	kg
ESD		Yes
Size	BG	BG 1; BG 2
Required compressed air connection	p	bar
Push in air connection	$\emptyset$	mm

The data specified above only serves to describe the product. Due to the continuing development of our products, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not exempt the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Dimensions



3842998113

21625

L Conveying direction of longitudinal section

Q Conveying direction of transverse section

1 Stroke

2 Protective case

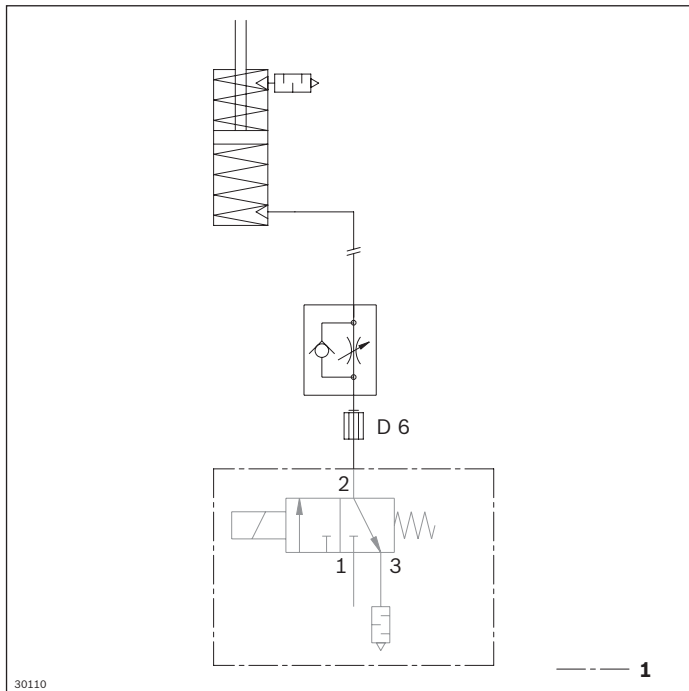
3 Toothed belt for drive

4 Attachment for BS 2/T

^{*)} 180 mm for 80 mm profile height, 200 mm for 100 mm profile height

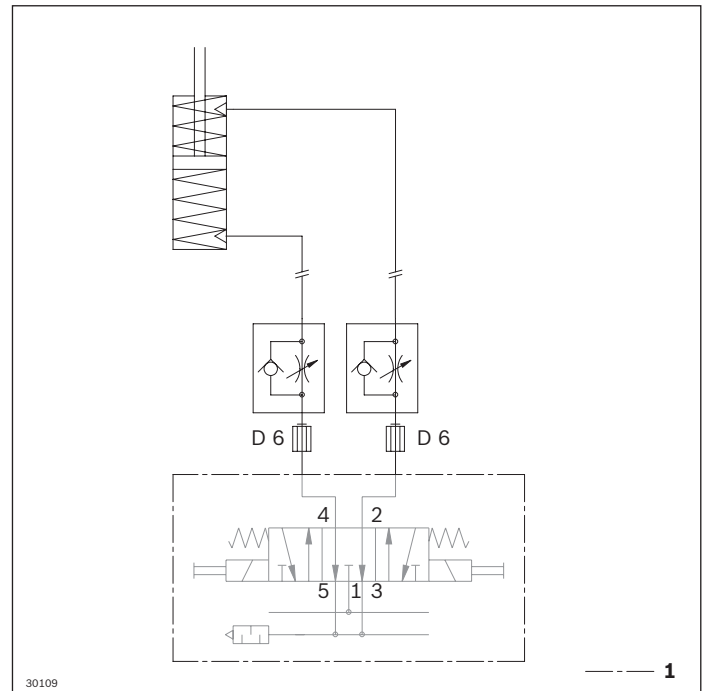
The data specified above only serves to describe the product. Due to the continuing development of our products, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not exempt the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

**Circuit diagram for unit with pneumatic equipment
for two positions PN = 2, BG 1**



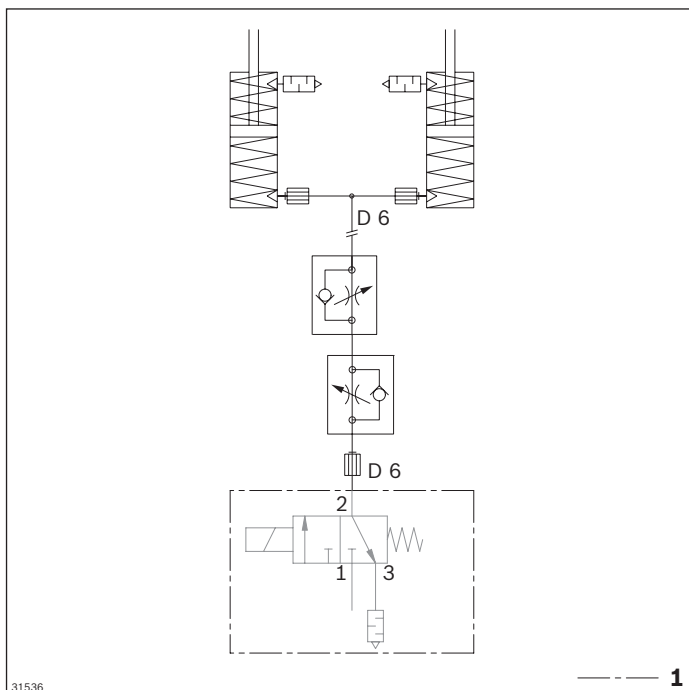
1 Not included in the scope of delivery

**Circuit diagram for unit with pneumatic equipment
for three positions PN = 3, BG 1**



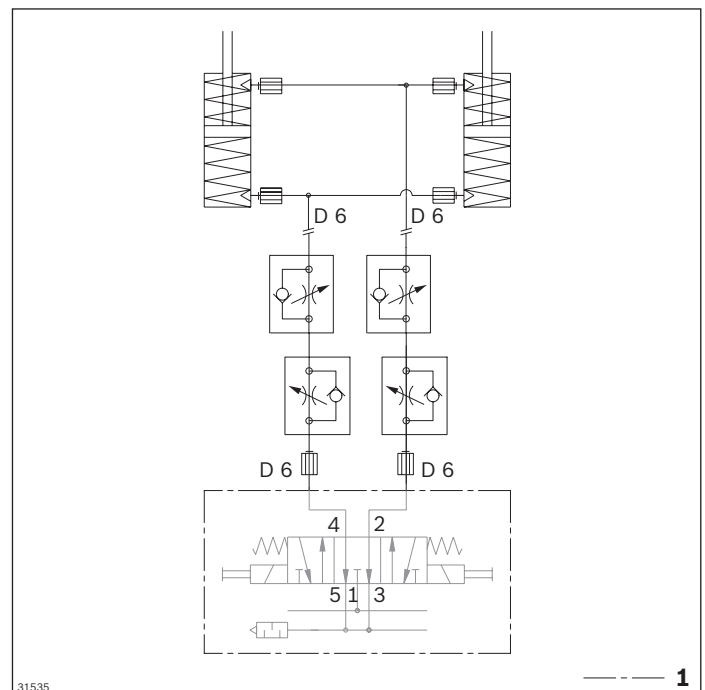
1 Not included in the scope of delivery

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



1 Not included in the scope of delivery

**Circuit diagram for unit with pneumatic equipment
for three positions PN = 3, BG 2**



1 Not included in the scope of delivery

The data specified above only serves to describe the product. Due to the continuing development of our products, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not exempt the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.