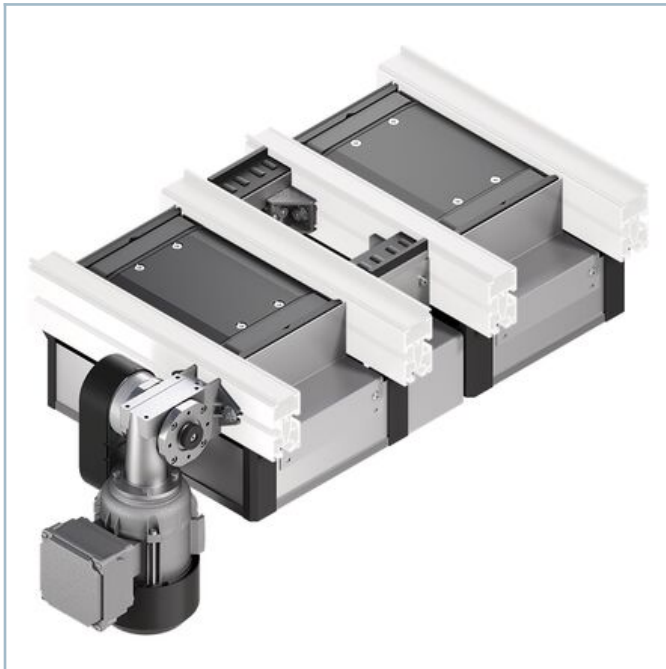


EQ 2/TR Electric Transverse Conveyor



- Complete macro module for connecting two parallel longitudinal sections at a short distance from each other
- In tandem design with an RS 2 roller section at a distance of $a = 45 \dots 135 \text{ mm}$

 Assembly instructions

- Size 2 with two lifting cylinders from $\geq 480 \times 480 \text{ mm}$ and above
- 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 an ST 2/... section with a profile width of 45 mm or an ST 2/...-H section with a profile width of 50 mm
- Suspended motor mounting only. Other motor mounting variants available on request

Product description

Energy efficiency – Rexroth 4EE

Technical data

No.			3842999894	3842999040
Max. total weight of workpiece pallet	m_G	kg	30	30
ESD			yes	yes
Reversible operation			Reversible operation possible	Reversible operation possible
Size	BG		BG 1; BG 2	BG 1; BG 2
Combination Options	$b_Q \times b_L$	mm x mm	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	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
Required compressed air connection	p	bar	4 ... 6	4 ... 6
Pneumatic push-in fitting	$\varnothing$	mm	6	6
Distance between conveyors ¹⁾	a	mm	45; 90; 135	45; 90; 135

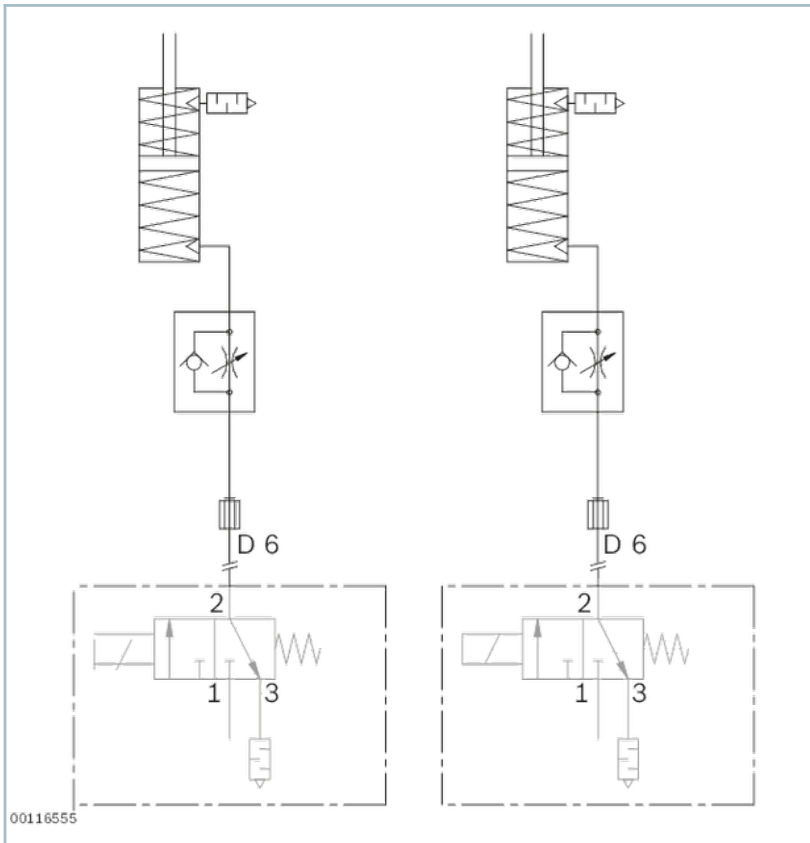
1) a = 90 mm nur bei $b_L \geq 240$ mm; a = 135 mm nur bei $b_L \geq 320$ mm

Transport and nominal speed vN

Compressed air consumption of TS 2plus units

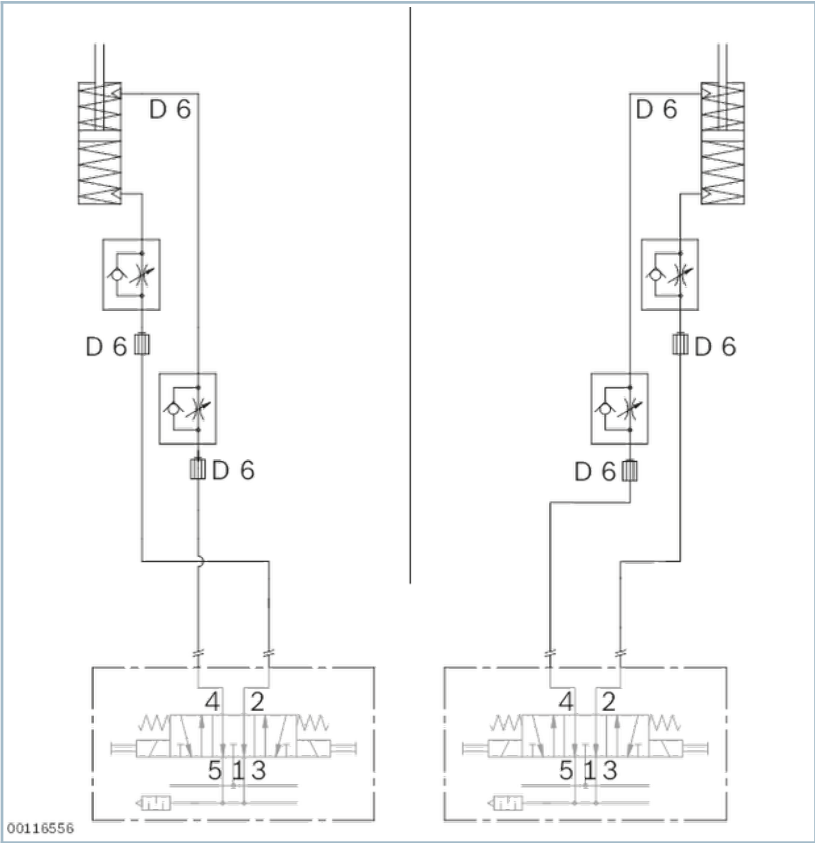
Symbols/Circuit diagrams

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



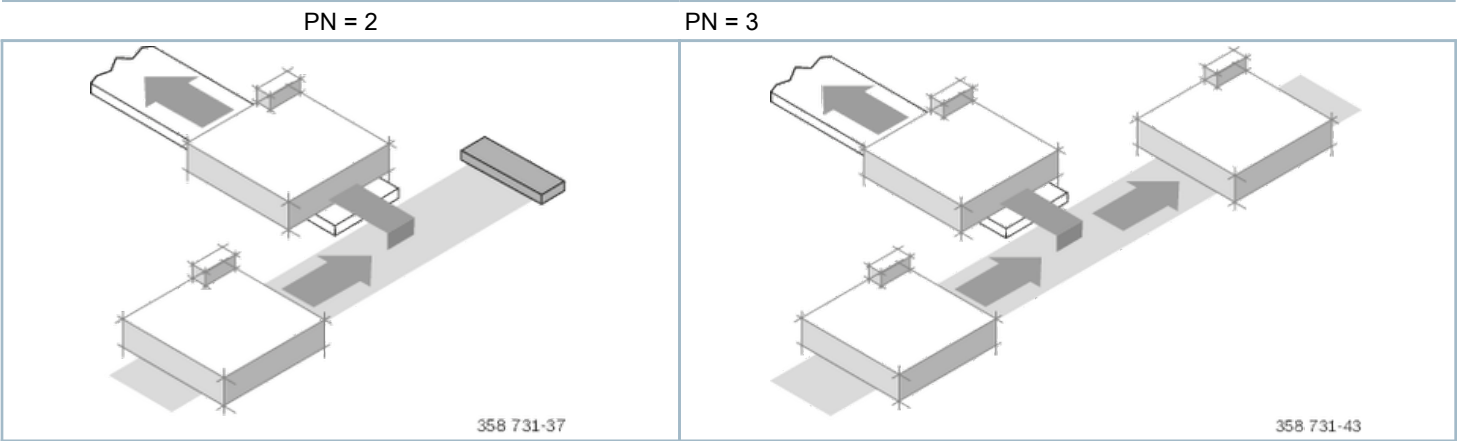
1) Not included in the scope of delivery

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

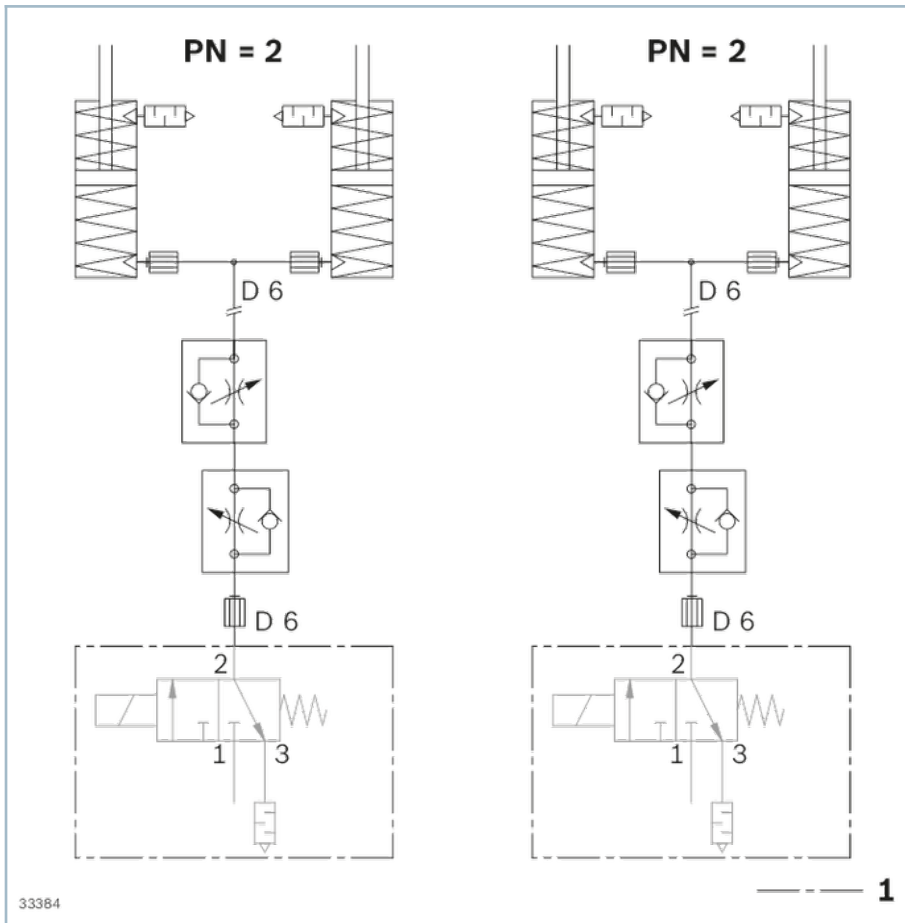


1) Not included in the scope of delivery

Pneumatic equipment

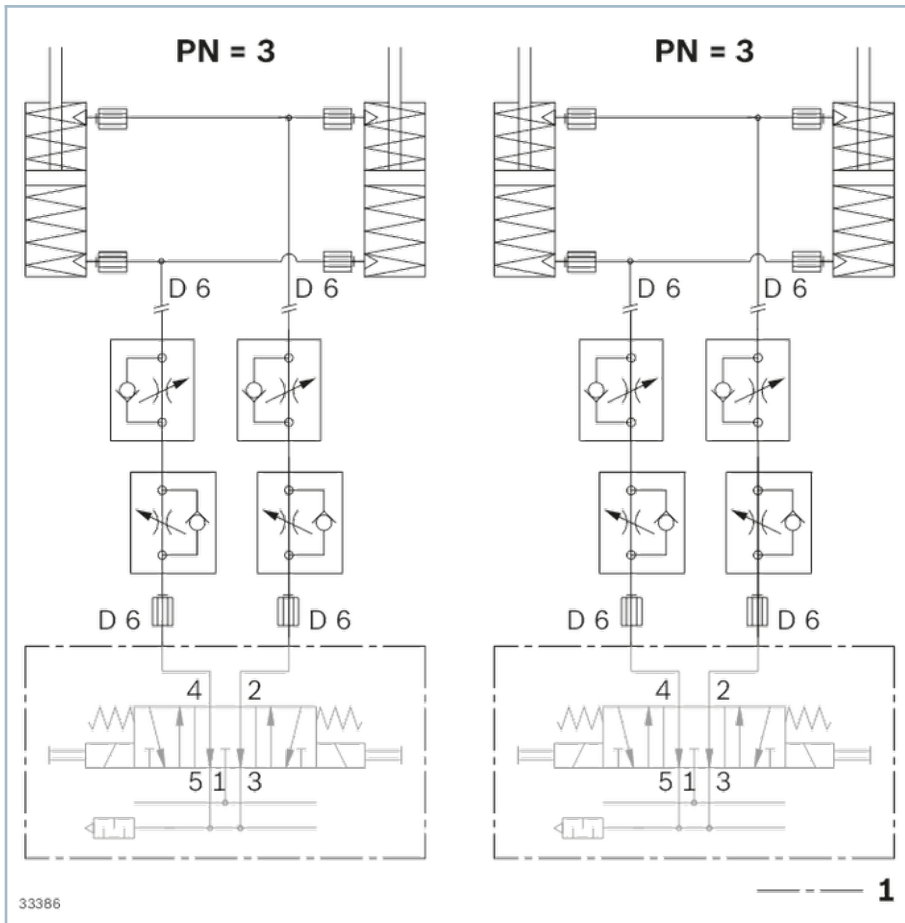


Circuit diagram for unit with pneumatic equipment for two positions PN = 2, BG 2



1) Not included in the scope of delivery

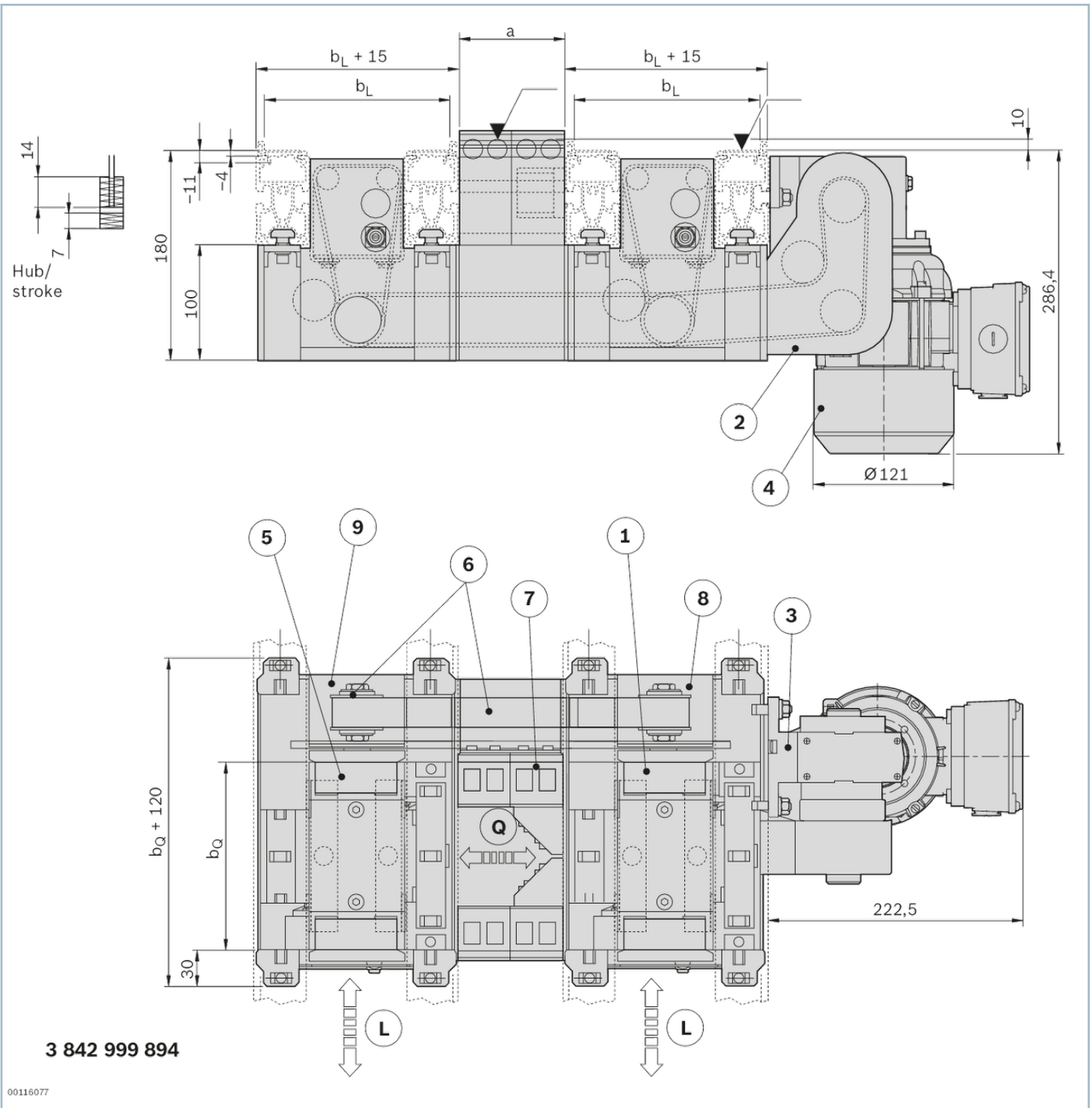
Circuit diagram for unit with pneumatic equipment for three positions PN = 3, BG 2



1) Not included in the scope of delivery

Dimensions

EQ 2/TR Electric Transverse Conveyor



L Transport direction of longitudinal conveyor

Q Transport direction of transverse conveyor

1 HQ 2/O lift transverse unit

2 Connection kit

3 Motor attachment kit

4 Drive motor

5 HQ 2/T lift transverse unit

6 Drive kit

7 Intermediate section with roller elements and housing

8 Housing element for HQ 2/O in conjunction with HQ 2/T

9 Housing element for HQ 2/T lift transverse unit

Information

Note:

- Reversible operation possible
- Accumulation operation not permitted

Accessories

Required accessories

1x M12x1 sensor with rated sensing range S for each (top/bottom) position inquiry_N = 4 mm

Recommended accessories

Damper DA 2/60 for the outfeeding of workpiece pallets at $v_N > 9$ m/min

Rocker WI 2/..., WI/M and dampers DA 2/60, DA 2/100-C for BG 2 for the infeeding of workpiece pallets



M12 sensor with M12x1 push-in fitting

Delivery notes

Scope of delivery

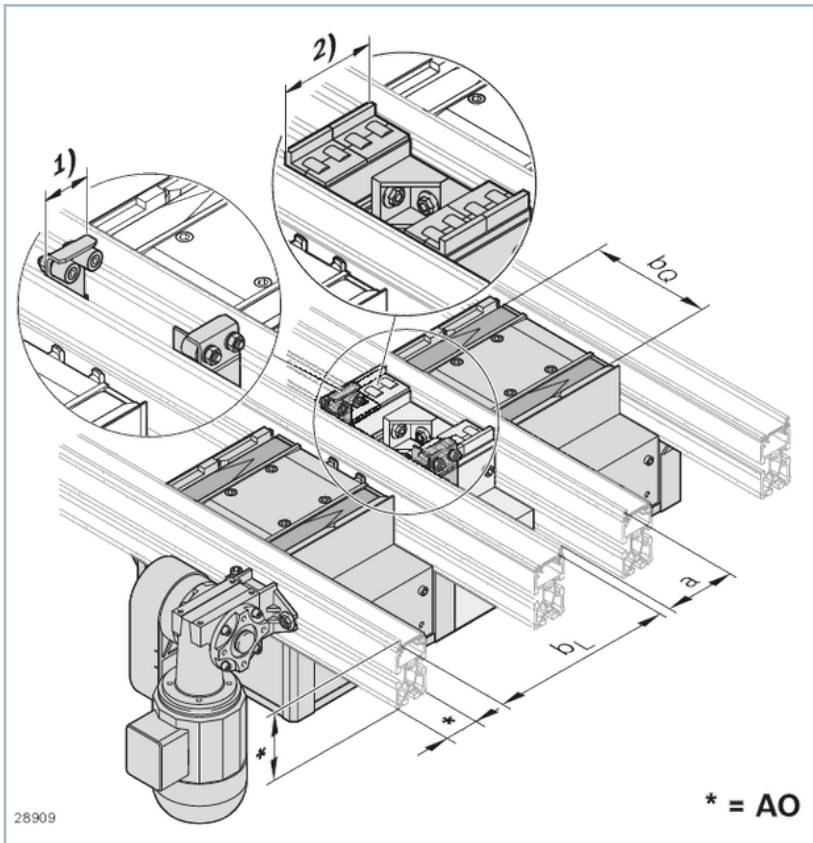
Incl. fastening material
 Pneumatic equipment for two or three positions
 Kit for electrical position inquiry (2x sensors)
 Protective housing

Condition of Delivery

HQ 2/O and HQ 2/T lift transverse unit assembled
 Connection kit
 Motor attachment kit, drive motor enclosed
 Roller section with roller elements
 Housing elements: not assembled

Ordering codes

EQ 2/TR Electric Transverse Conveyor



1) Intermediate section with roller: Applies when $a = 45$ Applies when $a = 90$ and $b_L = 240$ mm

2) Roller section:

Applies when $a = 90$ and $b_L > 240$ mm

applies when $a = 135$ and $b_L \geq 320$ mm

Order Parameter

No.		3842999894	3842999040
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
a (mm) ¹⁾	Distance between conveyors	45; 90; 135
v_N (m/min) ²⁾	Nominal speed	0; 6; 9; 12; 15; 18
U, f (V, Hz)	Voltage, frequency	see motor data
AO	Installation location, profile 0 = profile 45x80 1 = profile 45x100 2 = profile 50x100	0; 1; 2
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) $a = 90$ mm nur bei $b_L \geq 240$ mm; $a = 135$ mm nur bei $b_L \geq 320$ mm

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

	No.
EQ 2/TR Electric Transverse Conveyor	3842999894
	3842999040