

EQ 2/TE Electrical Transverse Conveyor



- Pre-assembled module for branching off into a transverse section in which the second end does not lead to a further transverse section (dead end)
- Size 2 from $\geq 480 \times 480$ mm onwards with two lifting cylinders per lift transverse unit

 Assembly instructions

- 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
- Reversible operation possible
- Accumulation operation not permitted on the lift transverse units

Product description

Energy efficiency – Rexroth 4EE

Technical data

No.			3842999896	3842999039
Max. section load in accumulation operation		kg	60	60
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 x 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	Ø	mm	6	6
Length	l	mm	240 ... 6000	240 ... 6000

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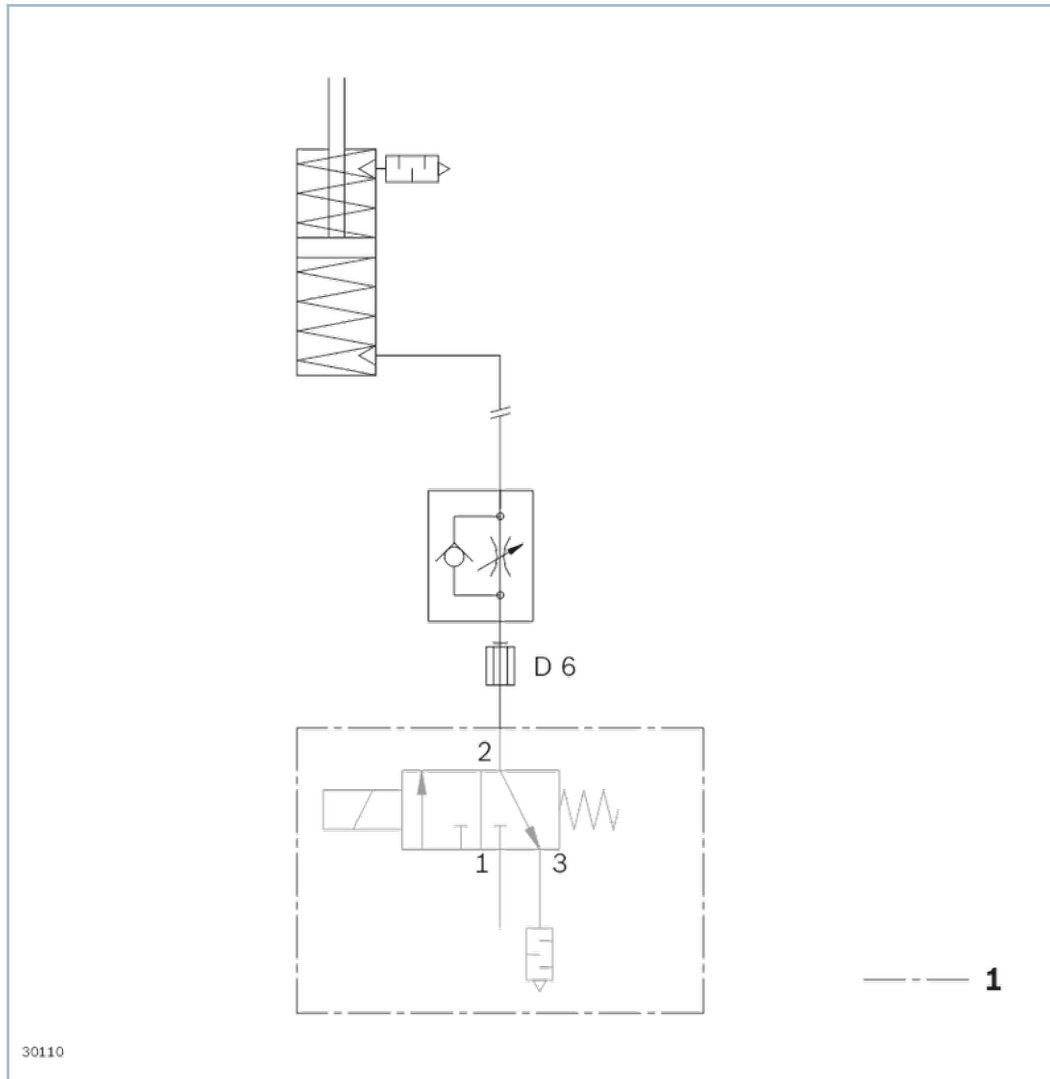
Transport and nominal speed v_N

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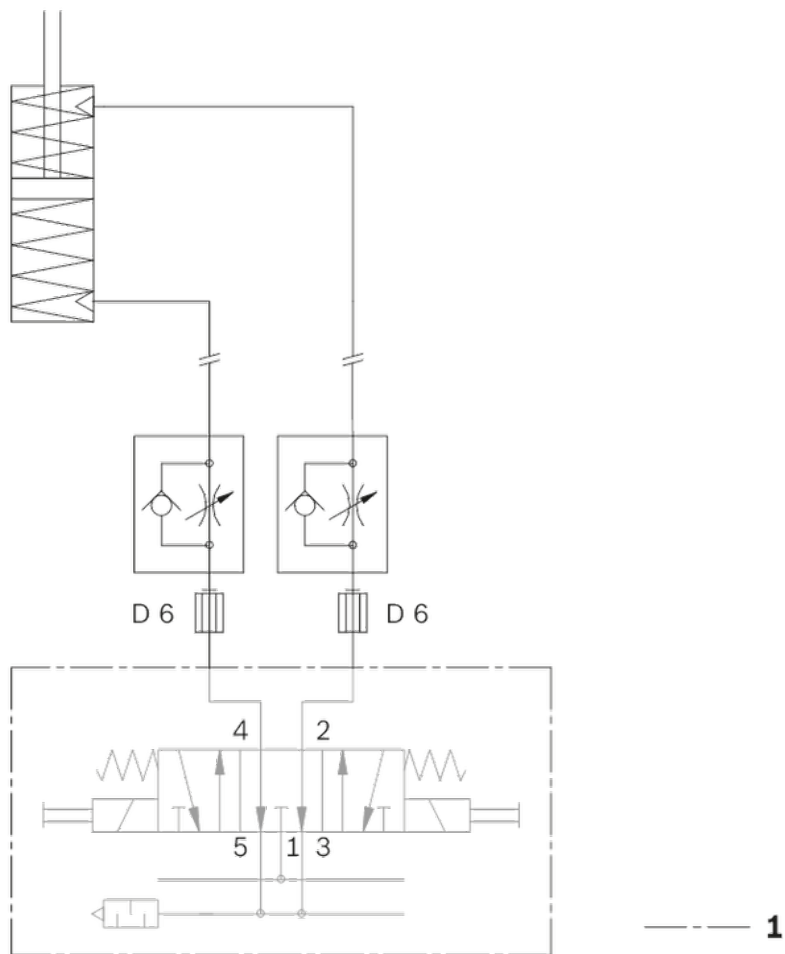
Compressed air consumption of TS 2plus units

Symbols/Circuit diagrams

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



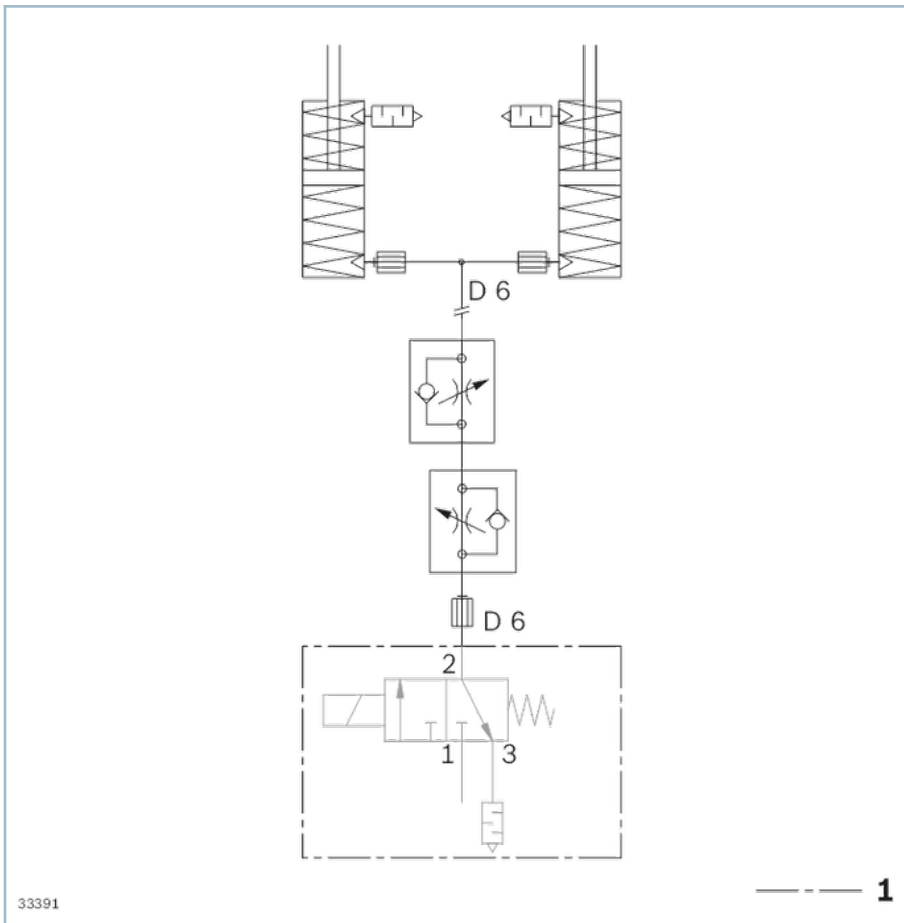
Circuit diagram for unit with pneumatic equipment for three positions PN = 3, BG 1



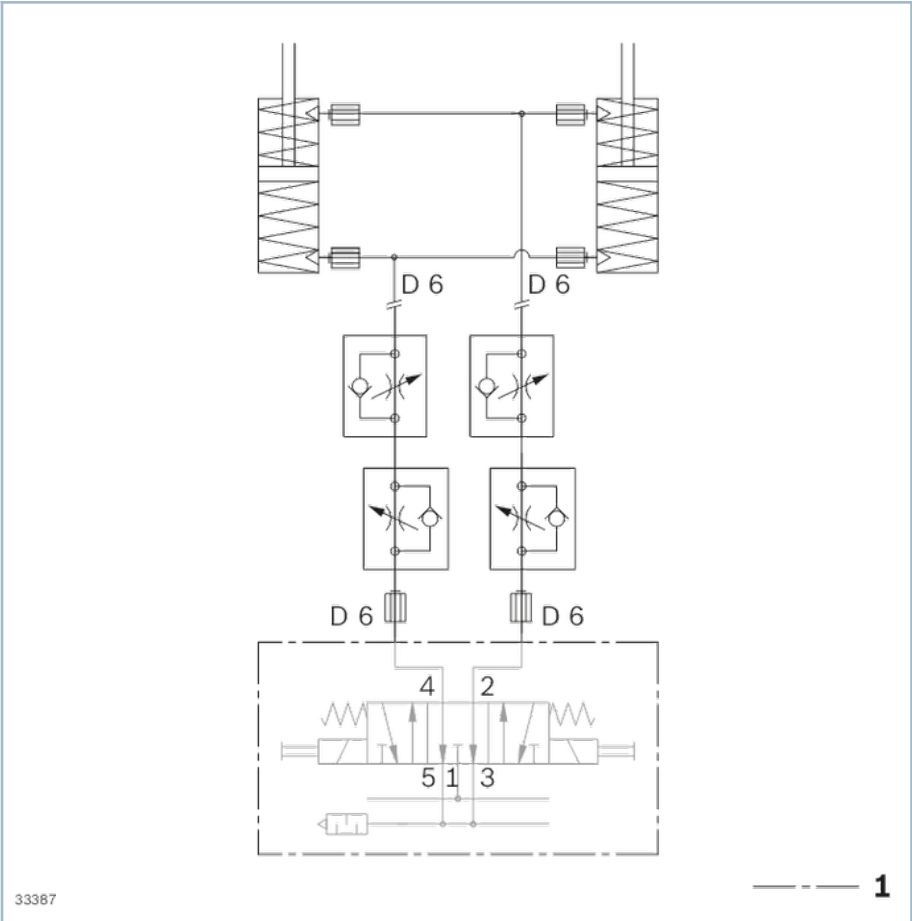
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1) Not included in the scope of delivery

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

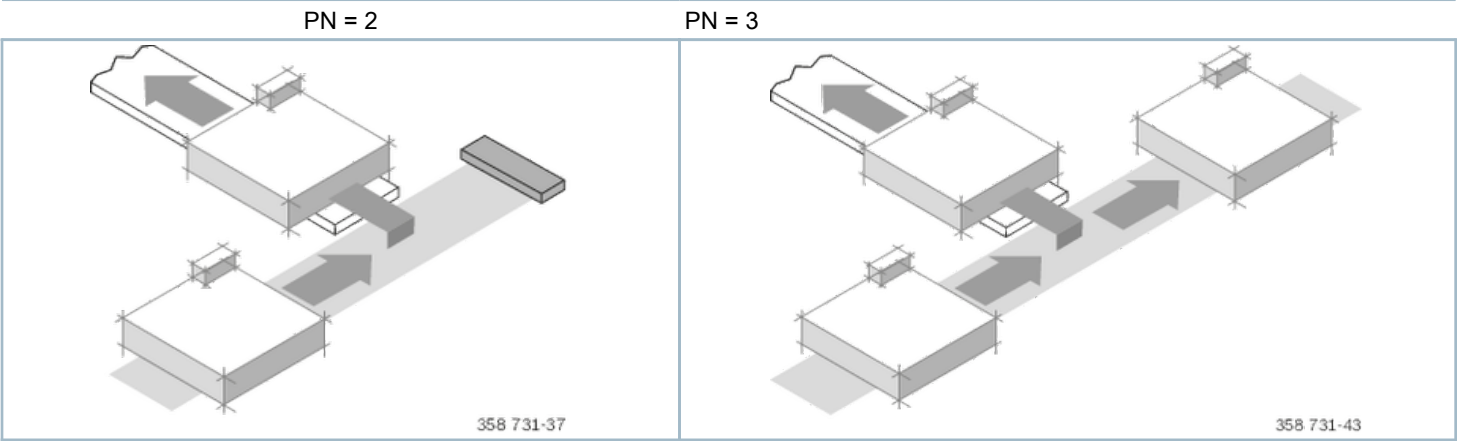


Circuit diagram for unit with pneumatic equipment for three positions PN = 3, BG 2



1) Not included in the scope of delivery

Pneumatic equipment



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 WT 2, WT 2/F, WT 2/H or WT 2/F-H 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



M12 sensor with M8x1 push-in fitting

Delivery notes

Scope of delivery

1x lift transverse unit HQ 2/O

1x belt section BS 2/TE

1x connection kit

1x housing elements SK 2/B

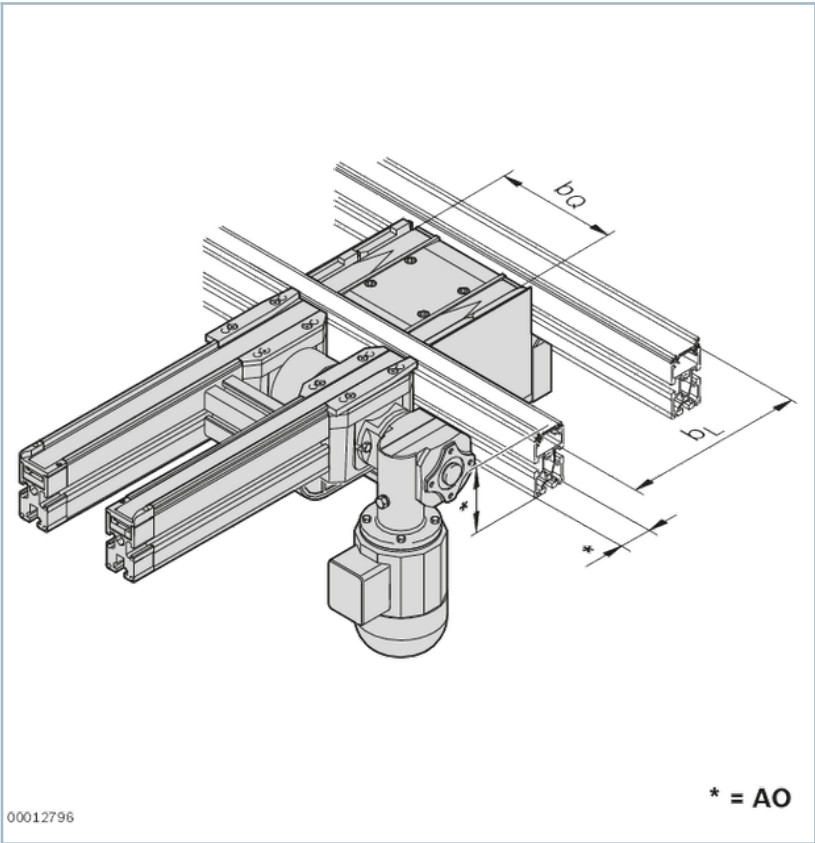
Pneumatic equipment for two or three positions

Assembly kit for electrical position inquiry

Condition of Delivery

- Lift transverse unit HQ 2/O, assembled
- Belt section BS 2/TE, assembled
- Protective housing, not assembled
- Protective housing, not assembled

Ordering codes



Order Parameter

No.		3842999896	3842999039
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	
l (mm)	Length	240 ... 6000	

$b_Q \times b_L$ (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
v_N (m/min) ¹⁾	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
MA ²⁾	Motor mounting R: right L: left M: center	R; M; L
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

2) MA = M from $b_Q \geq 320$ mm and above

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