

Lift transverse unit HQ 2/U-H



In combination with HQ 2/U-H, only PE wear pads are recommended for use on the workpiece pallets.

Required accessories

- ▶ 1x sensor M12x1 with rated switching distance $S_N = 4$ mm for each (top/center/bottom) position sensing location, see TS2plus catalogue
- ▶ Adapter plate (available on request) required to mount a VA 2/D-130 perpendicular to the main direction of transport

Recommended accessories

- ▶ Dampers DA 2/150-E (3842548644), DA 2/100-E (3842548585) for outfeeding workpiece pallets WT 2, WT 2/F, WT 2/H oder WT 2/F-H; required when $v_N > 9$ m/min or when total weight of the workpiece pallet > 30 kg
- ▶ Rockers WI 2/..., WI/M (3842530797) and damper DA 2/100-C (3842525734) for infeeding workpiece pallets WT 2 and WT 2/F
- ▶ Decentralized automatic lubrication unit LU 2 (3842543482) or central automatic lubrication unit LU 2/P (3842562921)

- ▶ Lift transverse unit for outfeeding from a longitudinal section into a transverse section and vice versa
- ▶ Use for high total weights up to 2 kg/cm on the smallest side of the workpiece pallet
- ▶ Sensor mounting for speed control during infeeding possible
- ▶ Lifting movements through two to four block cylinders according to size
- ▶ Conveyor medium: Duplex chain (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
- ▶ The lateral guides can be mounted on either the left or the right depending on the conveying situation
- ▶ Can be combined with WT 2, WT 2/F, WT 2/H and WT 2/F-H

Notice:

- ▶ Reversible operation possible
- ▶ Accumulation operation not permitted
- ▶ Lateral guides of different heights allow for a fixed stop when outfeeding on the HQ
- ▶ Combination with WT 2/LS not possible

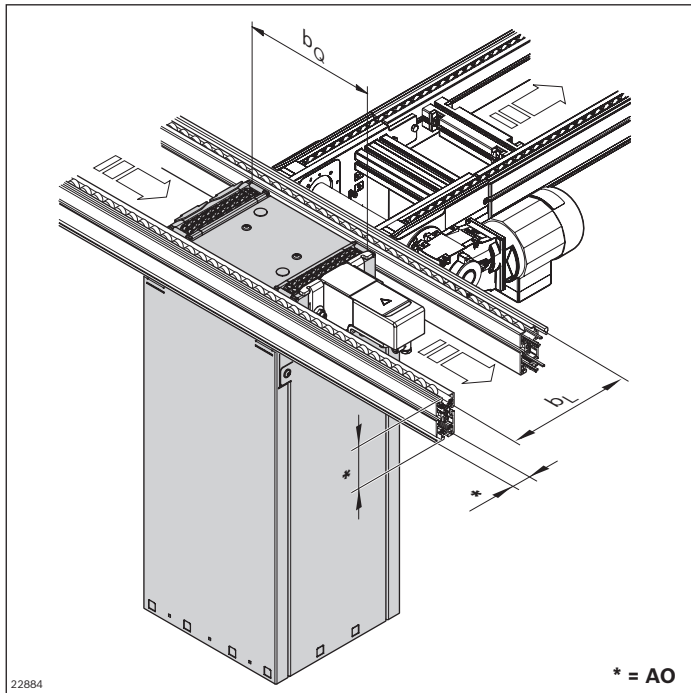
Scope of delivery

- ▶ 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
- ▶ Protective case

Condition on delivery

- ▶ Pre-assembled incl. pneumatic equipment
- ▶ Protective case, not assembled

Ordering information



Material number		3842998750
b_Q (mm)	Track width in the transverse conveyor	240; 320; 400; 480; 640
b_L (mm)	Track width in the longitudinal conveyor	240; 320; 400; 480; 640
$b_Q \times b_L$ (mm x mm)	Combination options	BG 1: 240 x 240; 320; 400 320 x 240; 320; 400; 480 400 x 240 BG 2: 400 x 320; 400; 480; 640 480 x 320; 400 640 x 400 BG 3: 480 x 480; 640 640 x 480; 640
AO ¹⁾	Installation location, profile 0 = profile 45x80 1 = profile 45x100 2 = profile 50x100	0; 1; 2
PN	Pneumatic equipment	2 ²⁾ ; 3 ³⁾
v_N (m/min)	Nominal speed	6; 9; 12; 15; 18
U (V)	Voltage	see motor data
f (Hz)	Frequency	see motor data
AT	Motor connection S = cable/plug K = terminal box	S; K

¹⁾ Only required when $b_Q = 240$ mm

²⁾ PN = 2: Upper and middle lift position

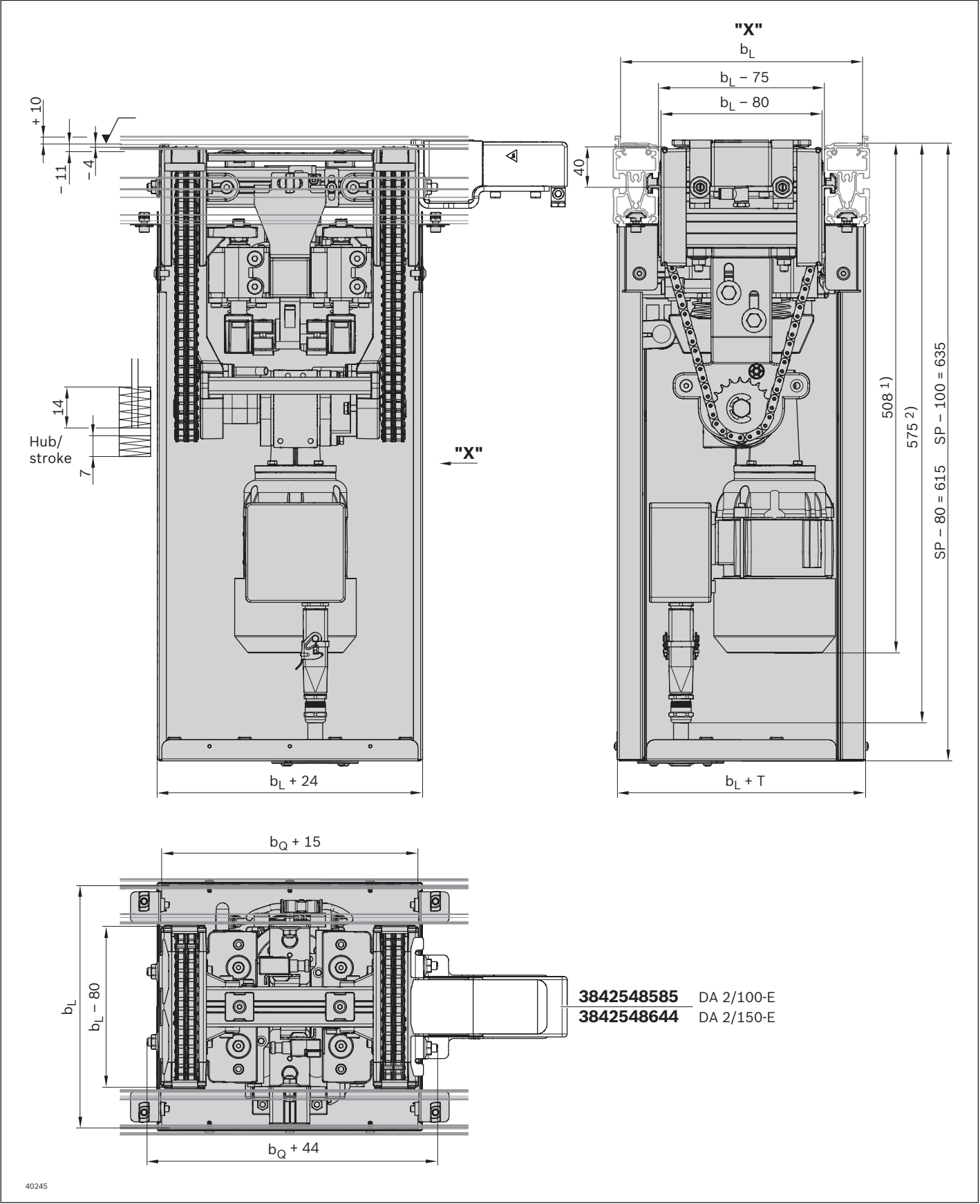
³⁾ PN = 3: Upper, middle and lower lift position

Technical data

Material number		3842998750
Max. total workpiece pallet weight	m_G	kg
ESD		yes
Required compressed air connection	p	bar
Push in air connection	$\emptyset$	mm
Number of lifting cylinders		BG 1: 2 BG 2: 3 BG 3: 4

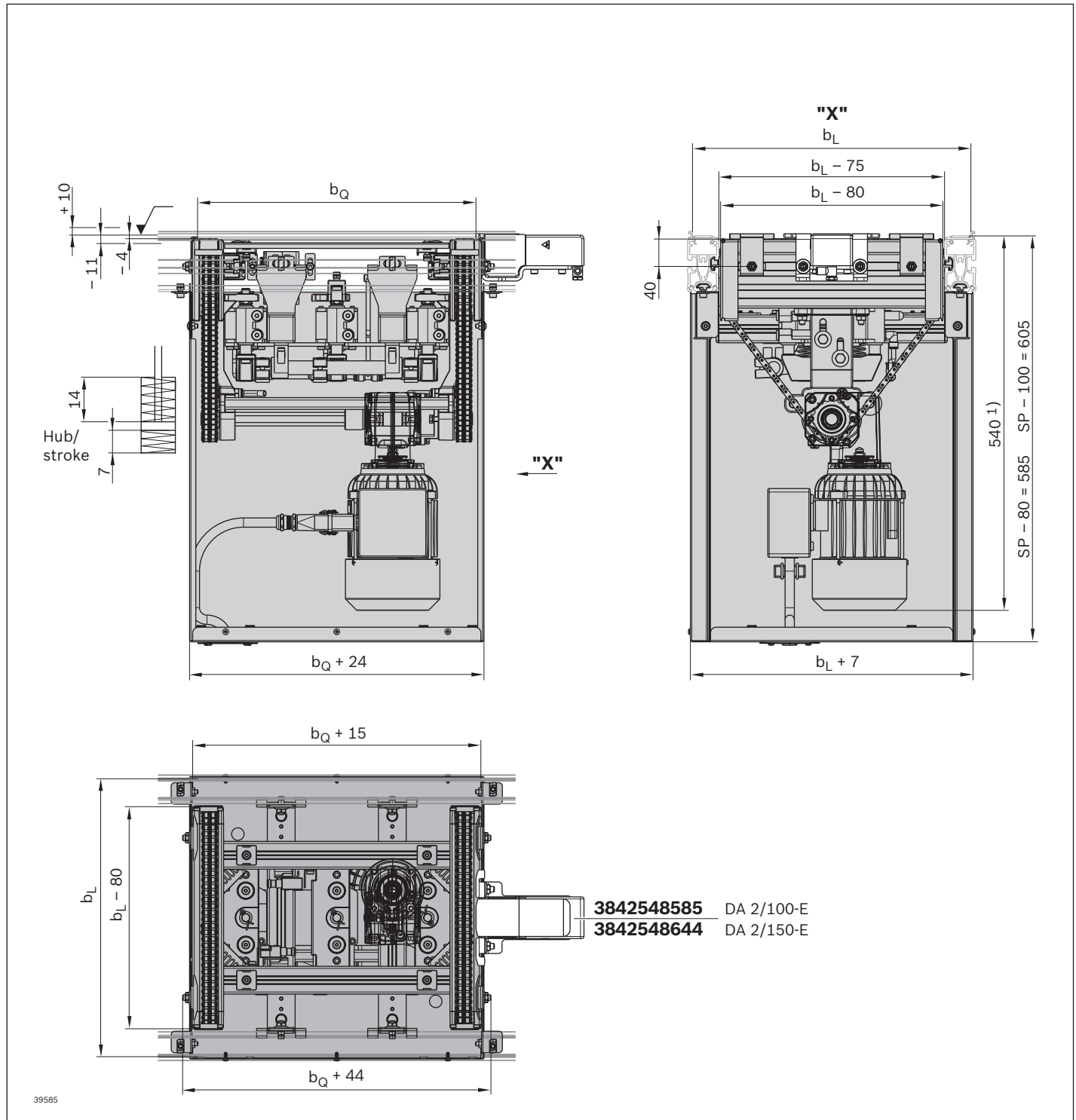
Notice:
Adapter plate for mounting a slide stop VA 2/D-130 on the HQ 2/U-H perpendicular to the main direction of transport available on request.

Dimensions, BG 1 (2 cylinders)



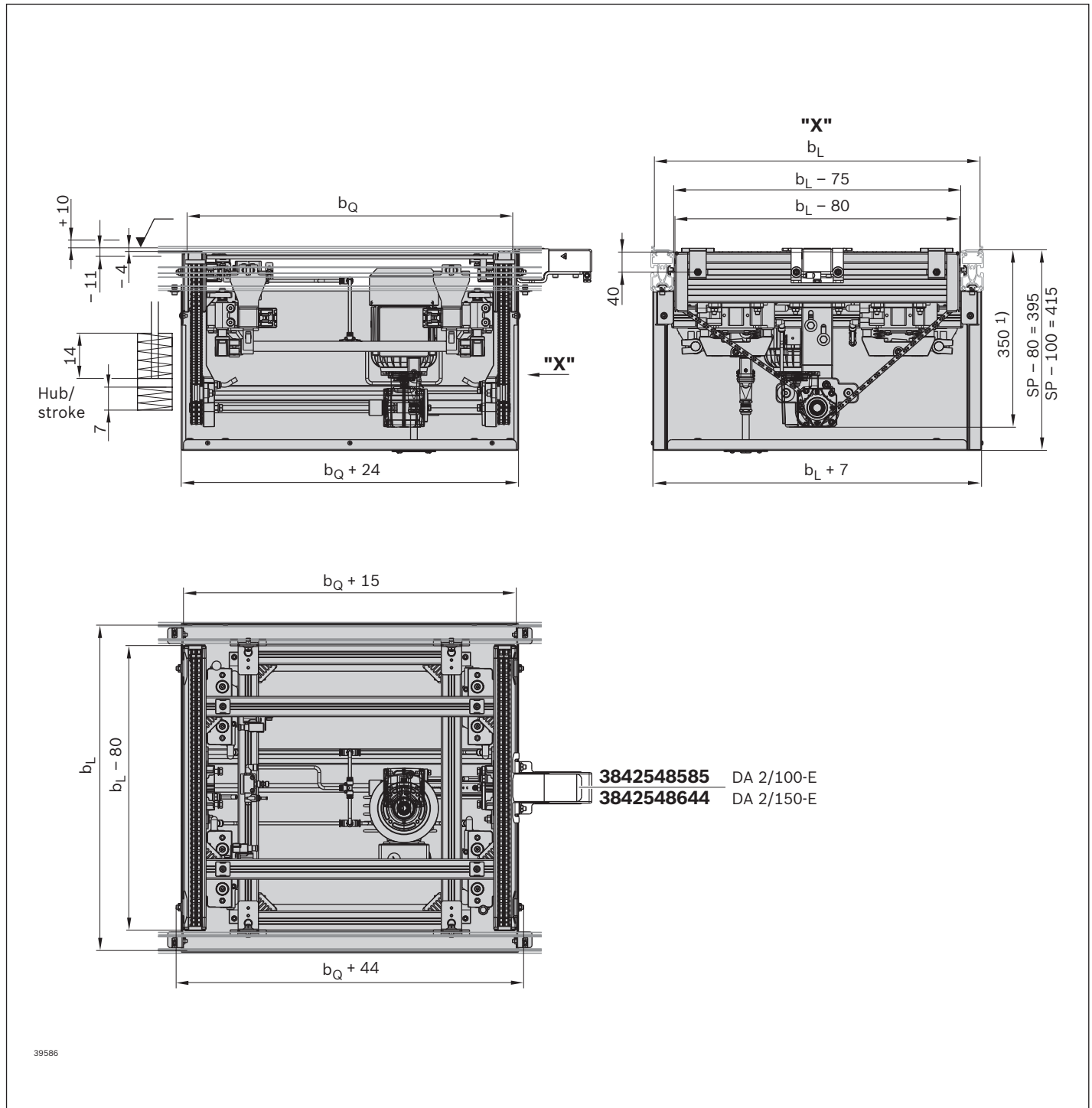
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Dimensions, BG 2 (3 cylinders)



Comment: For 3 cylinders, align the push-in fitting to the left/side.

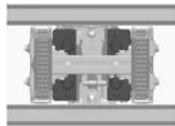
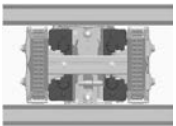
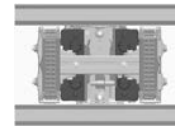
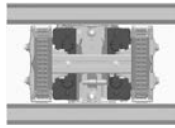
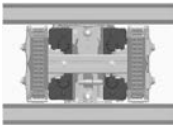
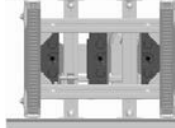
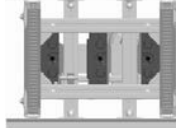
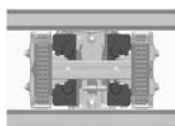
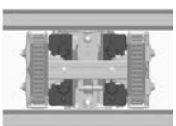
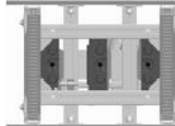
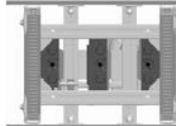
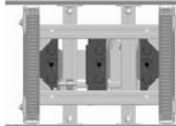
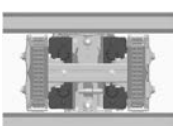
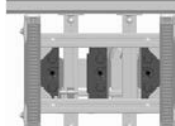
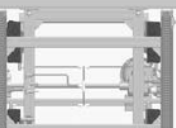
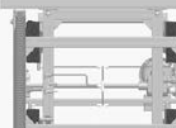
Dimensions, BG 3 (4 cylinders)



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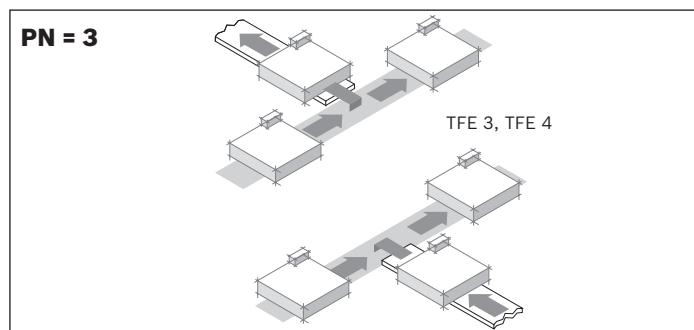
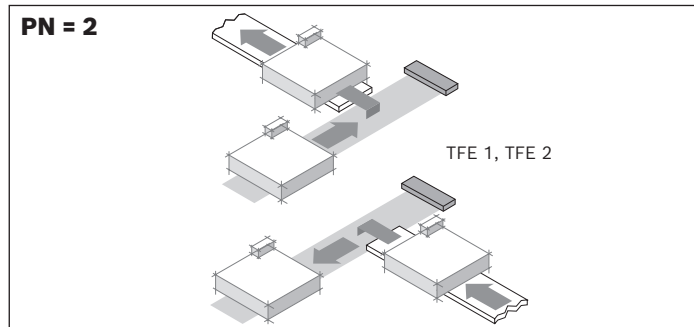
Cylinder arrangement

Schematic of the cylinder arrangement according to size

	b _Q 240	b _Q 320	b _Q 400	b _Q 480	b _Q 640
					
b_L 240	2 cylinders	2 cylinders	2 cylinders		
Load	48	48	48		
					
b_L 320	2 cylinders	2 cylinders	3 cylinders	3 cylinders	
Load	48	64	64	64	
					
b_L 400	2 cylinders	2 cylinders	3 cylinders	3 cylinders	3 cylinders
Load	48	64	80	96	96
					
b_L 480		2 cylinders	3 cylinders	4 cylinders	4 cylinders
Load		64	80	96	96
					
b_L 640			3 cylinders	4 cylinders	4 cylinders
Load			80	96	128

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Pneumatic diagram



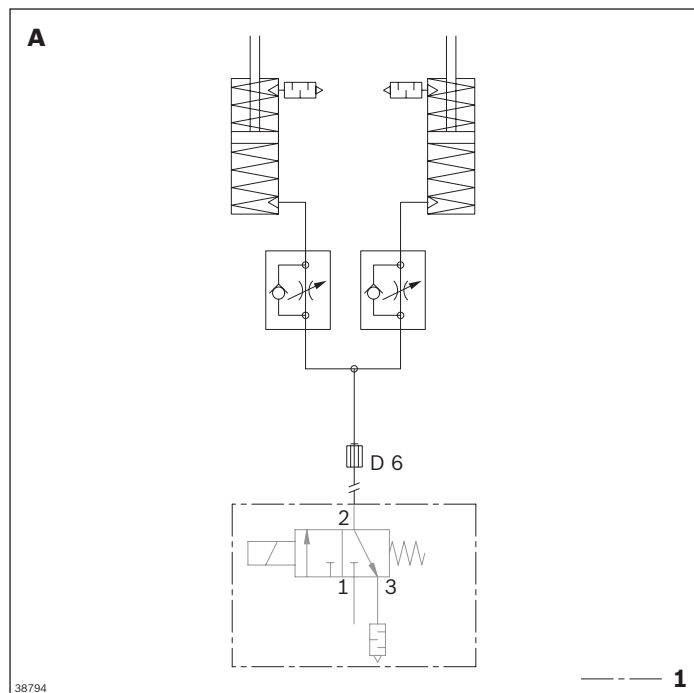
Use the pneumatic diagram:

A (for pneumatic equipment PN = 2) if you want to transfer the WT from the longitudinal section to the transverse section (TFE 1) or from the transverse section to the longitudinal section (TFE 2).

B (for pneumatic equipment PN = 3), if you want to out-feed the WT from the longitudinal section to the transverse section (TFE 3) or infeed from the transverse section to the longitudinal section (TFE 4).

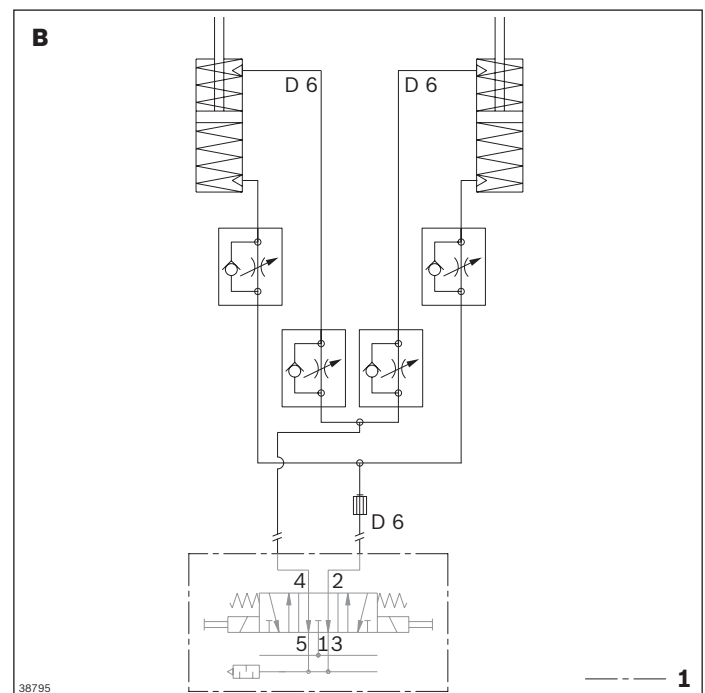
Pneumatic diagrams, BG 1, 2 cylinders

Circuit diagram for unit with pneumatic equipment for 2 positions PN = 2, BG 1, $b_L < 320$ mm



1 Not included in the scope of delivery

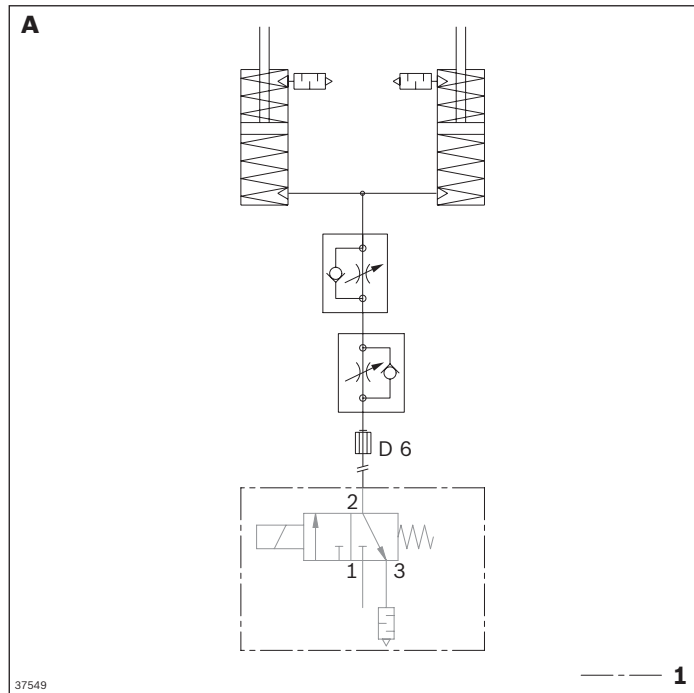
Circuit diagram for unit with pneumatic equipment for 3 positions PN = 3, BG 1, $b_L < 320$ mm



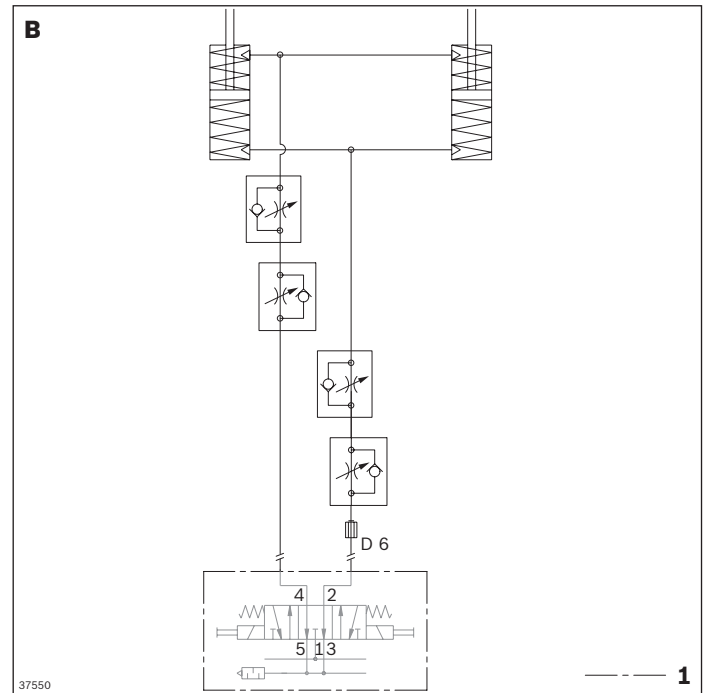
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**Circuit diagram for unit with pneumatic equipment
for 2 positions PN = 2, BG 1, $b_L \geq 320$**

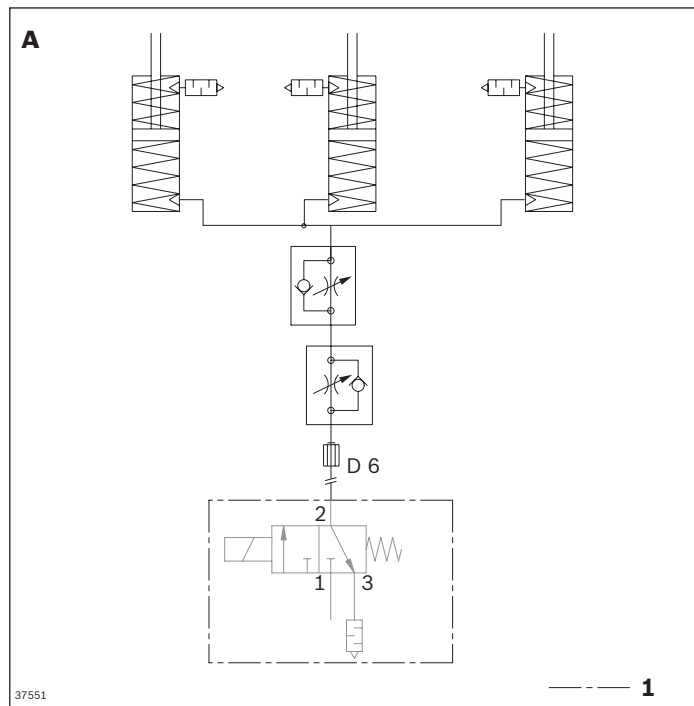


**Circuit diagram for unit with pneumatic equipment
for 3 positions PN = 3, BG 1, $b_L \geq 320$**

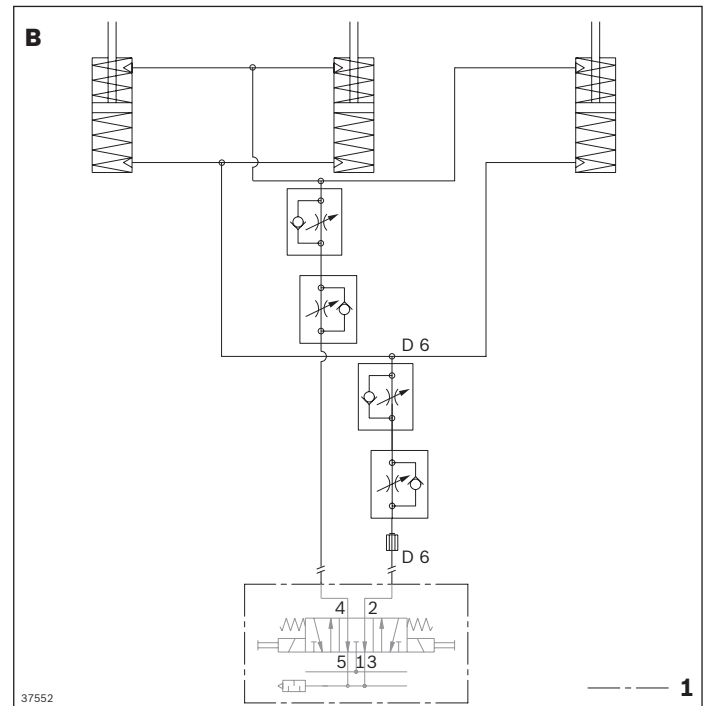


Pneumatic diagrams, BG 2, 3 cylinders

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



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



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