

LG 2/H Mounting Kit



- Can be used for BS 2, BS 2/C-100, BS 2/R-300 belt sections and for combinations of section ST 2/C-H (ST 2/R-H), drive AS 2/C-100 (AS 2/R-300) and return unit UM 2/C-60 (UM 2/R-60)
- From width $b = 240 \text{ mm}$ to $b = 1200 \text{ mm}$
- For passage width (A) $600 \dots 1800 \text{ mm}$
- In open position (85°), locked
- Mechanical unlocking, optionally with pneumatic unlocking (PN-kit)

 [Assembly instructions](#)

- Safety switch in off position
- Can be used as transverse section

Product description

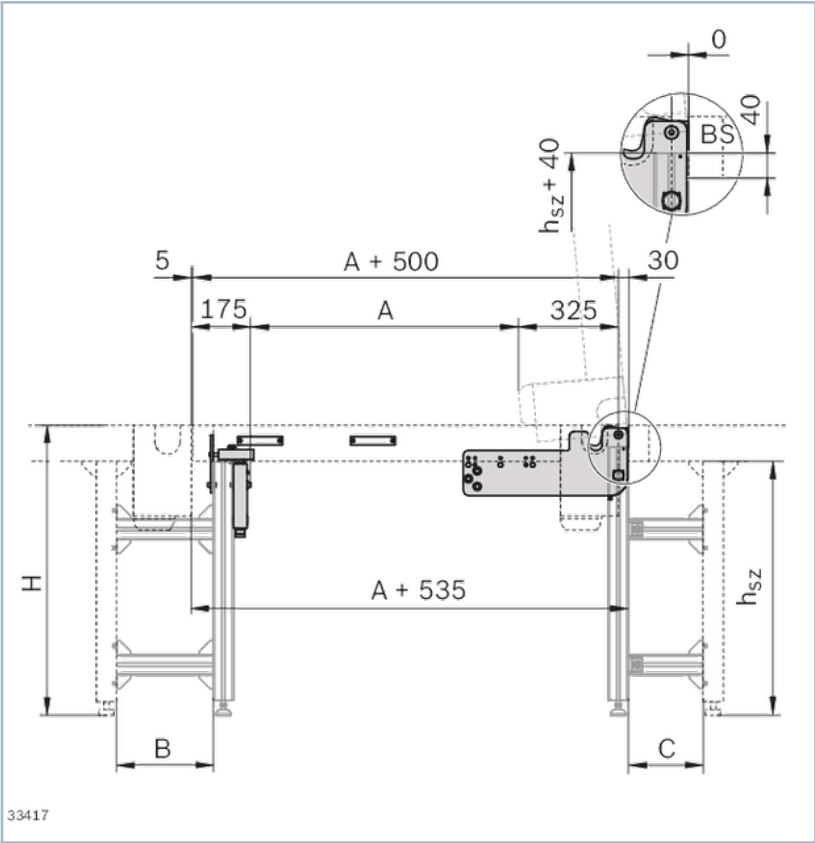
The LG 2/H lift gate makes it possible to access or pass through the inner spaces of a belt section (BS). Manually tilting the belt section can open it from 0° to 85° or close it from 85° to 0°. The effort required to do this is reduced with the aid of a gas pressure spring.



Selection of the LG 2/H mounting kit appropriate to the belt section type

Dimensions

LG 2/H Mounting Kit



Mounting

Overall width of the different lift gate assembly variants

The overall width results from the belt section width (b), the motor width (M) and other interfering contours (e.g. locking bolts for unlocking, etc.).

The requirements for other interfering contours are specified in the dimension drawings on the left.

In addition, the workpiece pallet width needs to be taken into account.

Overall width/interfering contours

	Belt section	M (mm)
B	BS 2	154,0
	BS 2/C-100	158,5
	BS 2/R-300	158,5
	ST 2/C-H	158,5
	ST 2/R-H	158,5
C	BS 2	154,0
	BS 2/C-100	158,5
	BS 2/R-300	158,5
	ST 2/C-H	158,5
	ST 2/R-H	158,5

Interfering contours A

If both plates are mounted outside of the belt section, the minimum width of the workpiece pallet is b = 240 mm.

Interfering contours B

If both plates are mounted in the center of the belt section, the minimum width of the workpiece pallet is $b = 320$ mm.

If you mount your own locking bolt or mount the PN locking mechanism, $b = 320$ mm.

Interfering contours C

If one plate is mounted outside or inside the belt section, the minimum width of the workpiece pallet is $b = 240$ mm.

Determine the LG 2/H mounting kit reference number using the tables and the description. The reference number is also the mounting kit number. This means, for example, that reference number 2 is the same as mounting kit 2.

Minimum length of the leg connection:

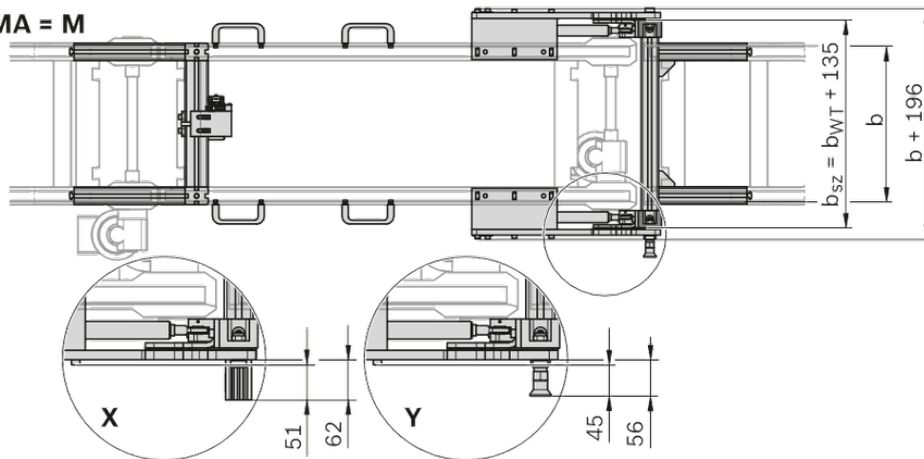
Minimum length B/C (mm)	Connection
145 ¹⁾	BS 2-Umlenkung
175 ¹⁾	UM 2/C-60, UM 2/R-60
245	BS 2-Antrieb
285	AS 2/C-100, AS 2/C-250, AS 2/R-300, AS 2/R-700, UM 2/C-170, UM 2/R-170
395	AS 2/C-400, AS 2/C-700, AS 2/R-1200, AS 2/R-220

1) Optimum leg connection for ideal support: 220 mm

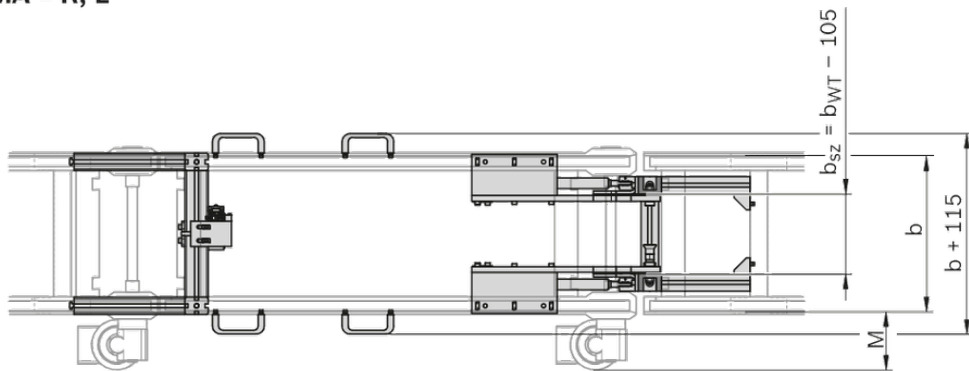
Lift gate interfering contours

The following applies to BS 2: When $MA = M$ and $b = 160$ mm, the max. permissible section load is only 30 kg

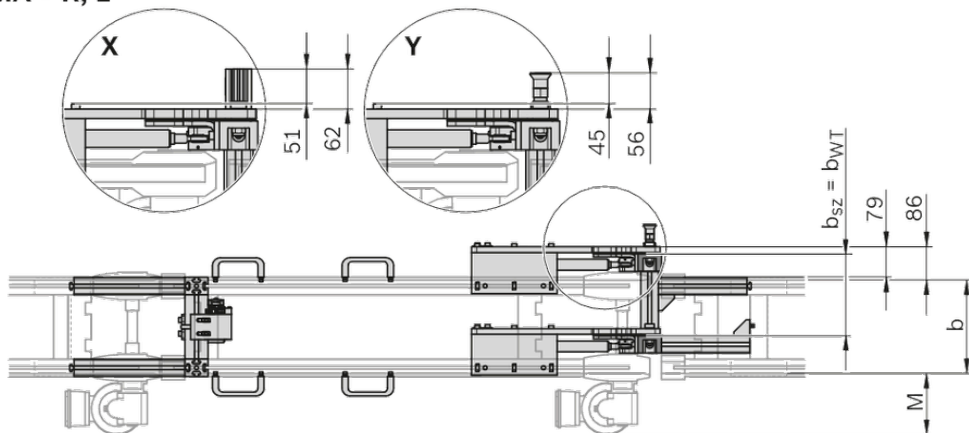
A: $b_{WT} \geq 160$ mm; $MA = M$



B: $b_{WT} \geq 320$ mm; $MA = R; L$



C: $b_{WT} = 240$ mm; $MA = R; L$



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Information

Note:

- The length of the belt section (l_{BS}) corresponds to the passage width plus 500 mm
- The total required space of the LG 2/H is the passage width plus 535 mm

Accessories

Belt section $l = A + 500$

Select the length (l) of the belt section (BS).

$l = A + 500$ mm, according to the surrounding system:

BS 2

BS 2/C-100

BS 2/R-300 plastic chain and steel chain

Conveyor unit: ST 2/R-H, AS 2/R-300, UM 2/R-60

Conveyor unit: ST 2/C-H, AS 2/C-100, UM 2/C-60

To set up a lift gate, you need:

- one SZ 2 leg set with AO = profile height of one BS 2
- as well as one SZ 2 leg set with parameters, see table
- $AO = 60$ mm and leg set width b_{SZ}

BS 2/...	Section support SZ 2 ¹⁾	Material number
A $b \geq 160$	$b_{SZ}^{3)} = b^{4)} + 120$ $AO^{2)} = 60$ mm	3842996320
B $b \geq 320$	$b_{SZ}^{3)} = b^{4)} - 120$ $AO^{2)} = 60$ mm	3842996320
C $b = 240$	$b^{3)} = b^{4)}$ $AO^{2)} = 60$ mm	3842996320

1) See also support SZ 2

2) AO = installation location

3) b_{SZ} = width b for support

4) b = width of belt section

For **A**: If both plates are mounted outside of the belt section

For **B**: If both plates are mounted in the middle of the belt section

For **C**: If one plate is mounted outside or inside the belt section

Required accessories

1x BS 2 belt section or conveyor unit

2x section support SZ 2

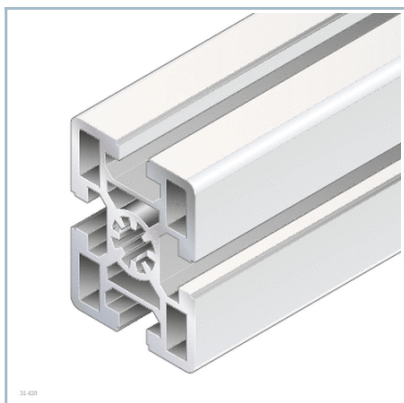
2x 4 strut profiles 45x60

16x bracket 45x45

2x foundation bracket

Recommended accessories

PN assembly kit

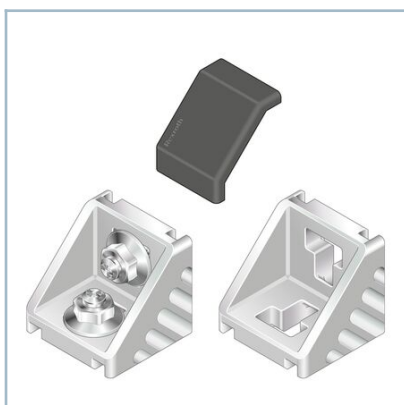


Strut profile 45x60



Foundation bracket

- Foundation bracket for securing frames to the floor
- The drilled hole for the floor dowel can be made without removing the foundation bracket



Bracket 45/45

- Brackets with centering lugs for rapid, precise assembly with protection against turning
- Centering lugs can be easily broken off for assembly on plates or at right angles to the slot
- Version *designLINE* with special silver paint (RAL 9006) for an especially high-quality design
- Sliding block offset for off-center positioning of the 45/45 bracket
- Cover cap to protect from dirt, available in signal gray (RAL 7004) and black ESD (RAL 9005)



Belt Section BS 2

[Assembly instructions](#)

- The belt section is a ready-to-use conveyor section with built-in drive for the transportation of workpiece pallets in the longitudinal direction or for the transverse conveying of the workpiece pallet between parallel conveyor sections in conjunction with two HQ 2 lift transverse units.



Belt Section BS 2/C-100

[Assembly instructions](#)

- Functional operation conveyor complete with drive
- Longitudinal conveying of the workpiece pallet on conveyor sections of up to 6000 mm



UM 2/C-60 Return Unit

- Conveyor medium: flat top chain (suitable for use in an EPA)
- For use in conjunction with all AS 2/C-... drive modules



Drive Module AS 2/C-100

- Drive for conveyor unit self-assembly
 - Conveyor medium: Flat top chain (where KA = A suitable for use in an EPA)
-



ST 2/C-H Section

- Drive for conveyor unit self-assembly
 - For use in conjunction with AS 2/C-... drive modules and UM 2/C-... return units
-



BS 2/R-300 Belt Section

 Assembly instructions

- Ready-for-operation conveyor section
 - Conveyor medium: accumulation roller chain (suitable for use in an EPA)
 - Chain tensioner for reversible operation contained in drive head
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Drive Module AS 2/R-300

- For conveyor unit self-assembly
 - For use in conjunction with UM 2/... return units and ST 2/... sections
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UM 2/R-60 Return Unit

- For conveyor unit self-assembly
 - Conveyor medium: accumulation roller chain (suitable for use in an EPA)
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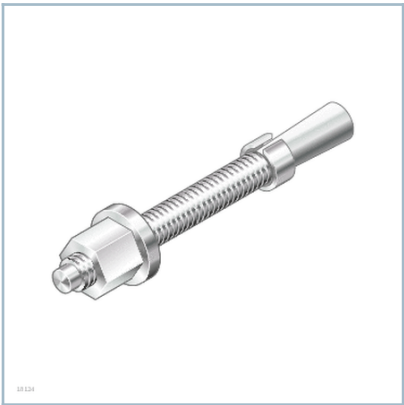
ST 2/R-H Section

- For conveyor unit self-assembly
 - For use in conjunction with AS 2/R-... drive modules and UM 2/R-... return units
-



Leg set SZ 2

- Leg set for single-track conveyor sections on one conveying level.
- Standard version



Floor dowel

- Can be used on all Ball Guide Rails SNS.

Delivery notes

Condition of Delivery

Not assembled

Ordering codes

		No.
LG 2/H 1 mounting kit	1	3842564941
LG 2/H 2 mounting kit	1	3842564942
LG 2/H 3 mounting kit	1	3842564943
LG 2/H 4 mounting kit	1	3842564944
LG 2/H 5 mounting kit	1	3842564945
LG 2/H 6 mounting kit	1	3842564946
LG 2/H 7 mounting kit	1	3842564947