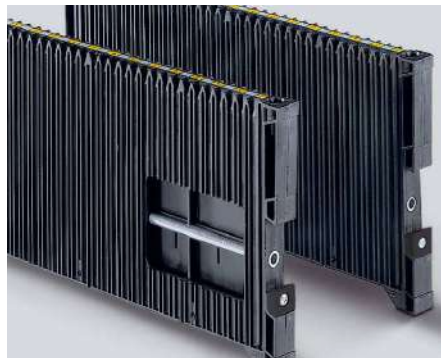


PCB magazine series 100, 180, 300



Quick and simple assembly

The side walls are adjustable with the help of the profile rails. Two PCBs are inserted in the outer adjusting grooves. The upper side wall has to be pressed against the PCBs and be fixed with screws.



Solid and resistant to torsion

The double-wall construction makes the side walls extremely solid. A metal tube is provided to further stiffen a side wall in the case of high mechanic and thermal forces.



Slot lock

To prevent from component damage when inserting PCBs in a magazine, slots that are not in use can be covered.



Stackable

Boreholes and pins on the outer margins allow the magazines to be stacked. On the bottom of the side walls, molded recesses simplify the lifting.



Upright position

Assembled PCBs need horizontal storage before soldering. For this purpose, the magazines are set upright.



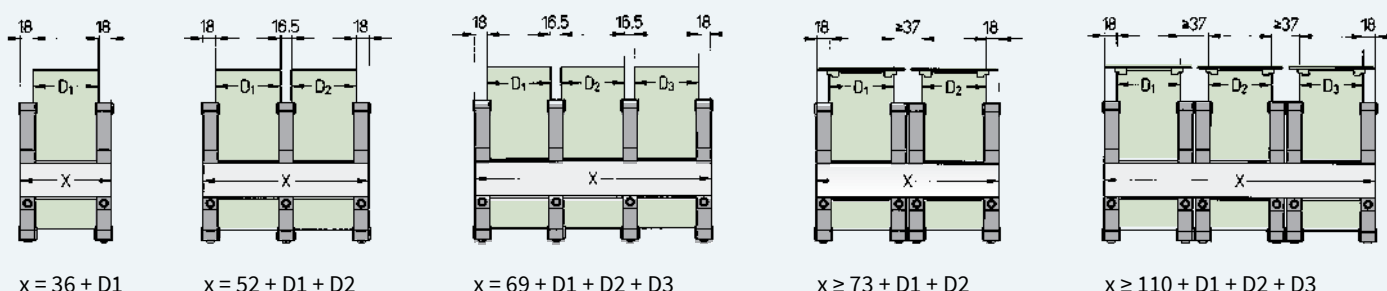
Transport boxes

The magazines can be inserted into standard 600 x 400 resp. 400 x 300 mm boxes for transport. Retractable carry handles simplify the insertion and removal.

Technical data	100	180	300
Material	Polypropylene		
Color	black		
Surface resistance	accord. to DIN EN 61340-5-1 <10 ⁹		
Slot width	2.8 mm	4 mm	3.5 mm
Slot depth	2 mm	2.5 mm	2.5 mm
Number of slots	32		
Distance between the PCBs	10 mm		



Length of profile rails

D = PCB width x = profile rail width



PCB magazine series 100, 180, 300

Delivery program

	Part no.	Product	Weight
 <p>359 mm</p> <p>100 mm</p> <p>83 mm</p>	8910050 8910102 8913913	Side wall 100 Side wall 100 reinforced Side wall 100 with boreholes for slot locks	0.28 kg 0.40 kg 0.28 kg
 <p>359 mm</p> <p>180 mm</p> <p>163 mm</p>	8910060 8910104	Side wall 180 Side wall 180 reinforced with boreholes for slot locks	0.53 kg 0.65 kg
 <p>357 mm</p> <p>303 mm</p> <p>285 mm</p>	8912049 8913914	Side wall 300 Side wall 300 with boreholes for slot locks	0.7 kg 0.7 kg
 <p>The profile rails are cut according to your instructions. xxxx is the desired length in mm.</p>	8910136 8910252 8910547 8911000 8912000 8913000 891xxxx	Length in mm Profile rail 0136 Profile rail 0252 Profile rail 0547 Profile rail 1000 Profile rail 2000 Profile rail 3000 Profile rail xxxx	0.06 kg 0.11 kg 0.24 kg 0.45 kg 0.90 kg 1.35 kg
	8910009	Bracket for accompanying documents	
	8912004 8912005 8912006	Support rail 100 Support rail 180 Support rail 300	
	8912007 8910097	Carry handle 100 Carry handle 180/300 Pack unit: 1 set	
 <p>Slot lock 1 Slot lock 2</p> <p>enlarged display</p>	8913916 8913917	Slot lock 1 Slot lock 2 Pack unit: 100 sets each	

PCB magazine series 600, 700, 800

Automation requires precision when magazines are in use in assembly lines.



- 1 **Knobs**
for magazine stacking
- 2 **Base and cover plates**
made of cast aluminum or sheet steel
- 3 **Numbering**
along the PCB slots simplifies manual insertion.
- 4 **Side walls**
made of conductive plastic or metal to be operated in ambient temperatures of 50 to 200°C
- 5 **Transport lock**
A bar is mounted as a standard on the front and back sides.



Slots locked

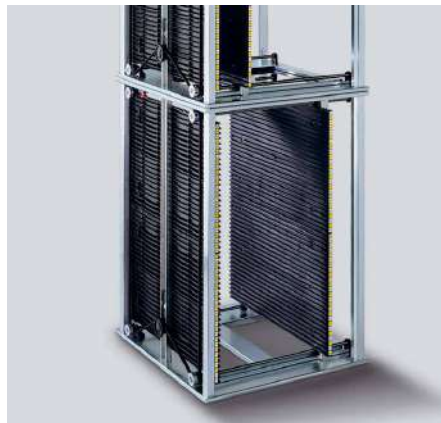


Slots unlocked



Metal magazine

In the case of high mechanic force and high thermal force up to 200°C, metal side walls are provided.



Safe stacking

All the magazines can be stacked safely and in a space-saving manner with the help of our knobs provided on the upper plate.

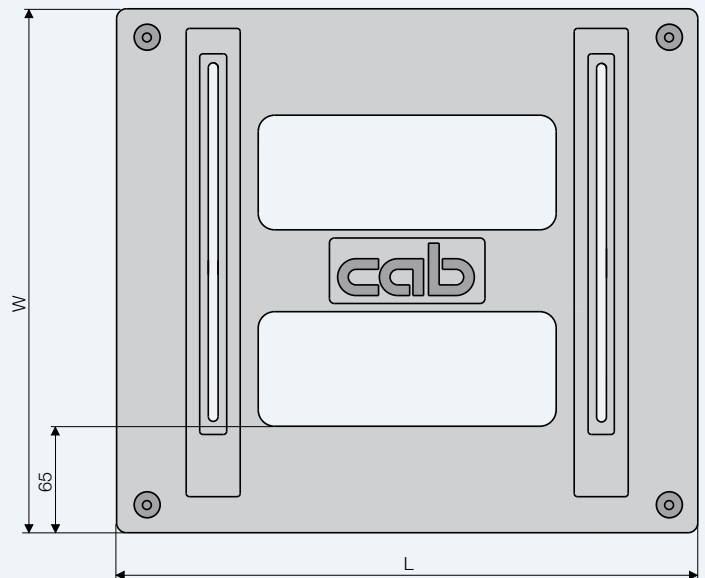
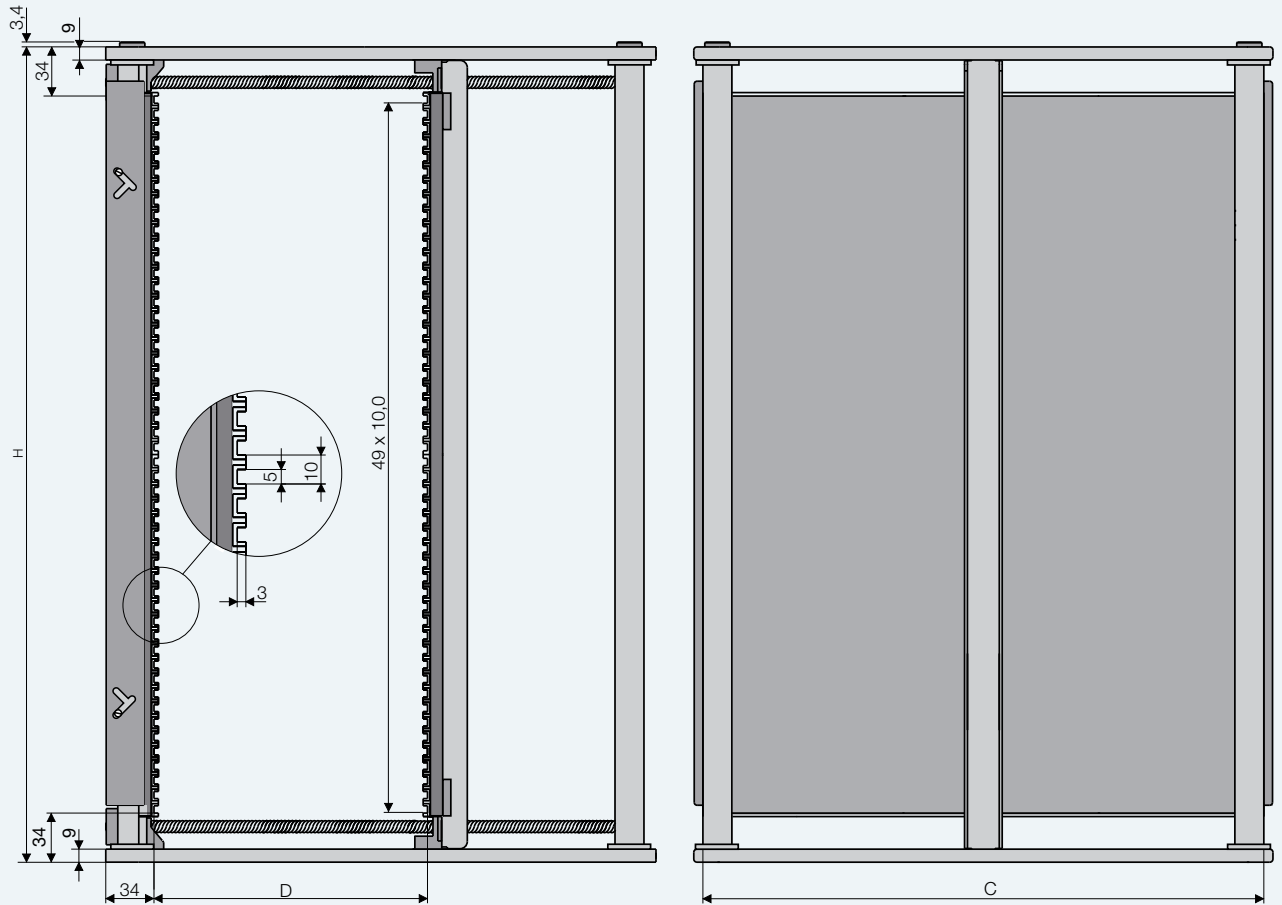


Perfecting operation

Its vertical symmetry allows the magazines to be turned upside down if use is in perfecting mode. To be operated only without stacking knobs

PCB magazine series 600, 700, 800

Dimensional drawing



Type			Side wall material	Surface resistance
60X.1	70X.1	80X.1	Polystyrene	according to DIN EN 61340-5-1 10^9
60X.2	70X.2	80X.2	Polycarbonate	
60X.3	70X.3	80X.3	Metal*	

*as measured on the side wall to frame

PCB magazine series 600

Screw-clamped width setting



1 Transport lock

A bar is mounted as a standard on the front and back sides. At lifting, the bar is moved to the outside and locks in upper position. The PCBs can be inserted or removed. When lifting again, the slots are locked.

2 Screw clamps

Series 600 magazines are cost-effective. With the help of four screw clamps, the side wall can be set to the PCB width.

Type	Part no.	Side wall material	Temperature °C		Weight kg	Outside dimensions			PCB	
			Insertions	Surrounding		Width W mm	Length L mm	Height H mm	Width D mm	Length C up to mm
601.1	8917601	Polystyrene	60	50	5.6	320	355	563	40 - 250	342
601.2	8916601	Polycarbonate	130	80	5.9					
601.3	8915601	Metal	200	200	6.9					
602.1	8917602	Polystyrene	60	50	5.8	320	400	563	40 - 250	387
602.2	8916602	Polycarbonate	130	80	6.1					
602.3	8915602	Metal	200	200	7.2					
603.1	8917603	Polystyrene	60	50	6.2	380	400	563	40 - 310	387
603.2	8916603	Polycarbonate	130	80	6.5					
603.3	8915603	Metal	200	200	7.6					

The **PCB magazines 60X.1** and **60X.2** are delivered partially assembled.

Assembled magazines to be ordered with an additional part no.:

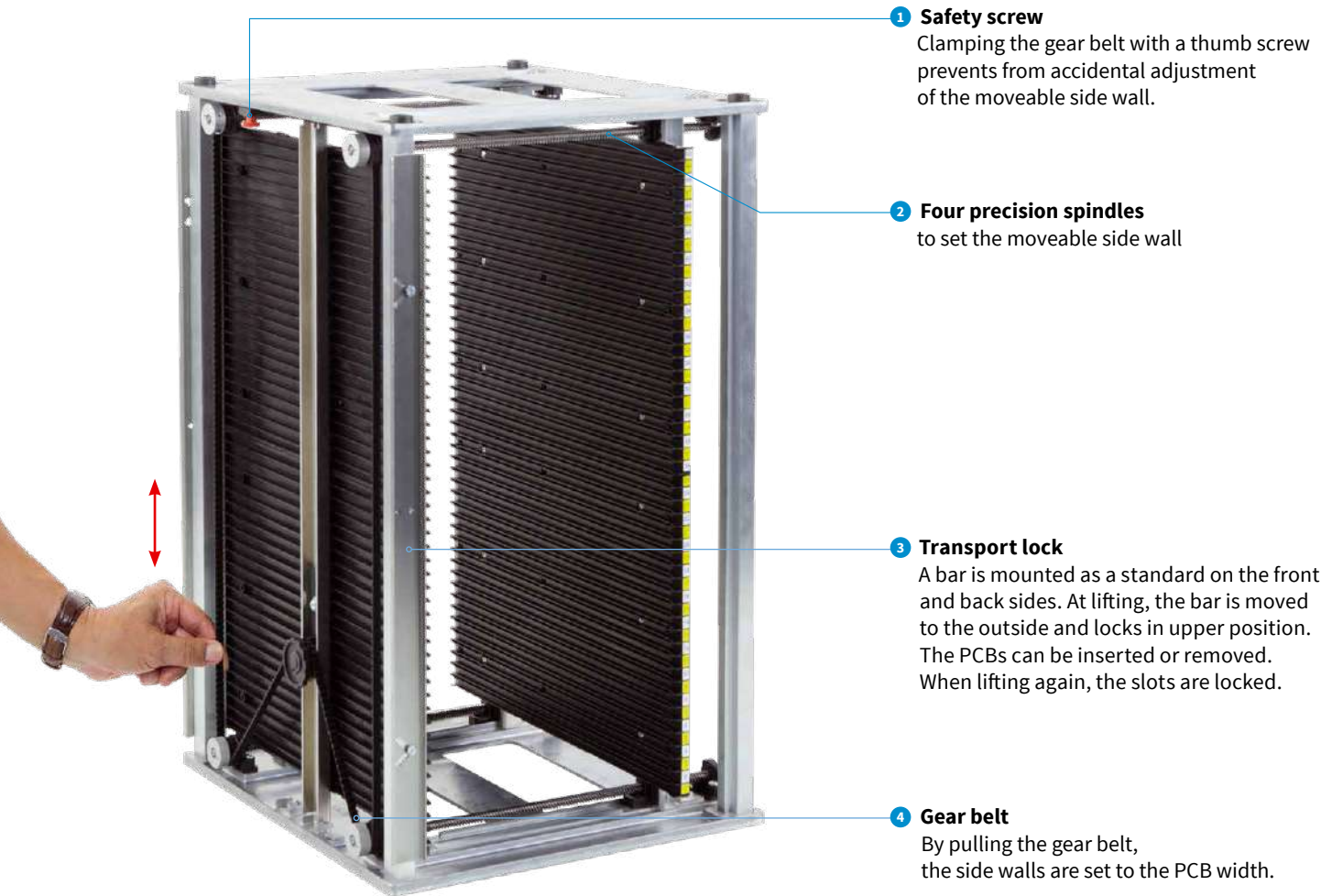
DL31001		assembled with stacking knobs
DL 31002		assembled for perfecting operation

The **PCB magazines 60X.3** are delivered assembled with stacking knobs.

further sizes on request

PCB magazine series 700

Variable width setting by pulling the gear belt by hand



1 Safety screw

Clamping the gear belt with a thumb screw prevents from accidental adjustment of the moveable side wall.

2 Four precision spindles

to set the moveable side wall

3 Transport lock

A bar is mounted as a standard on the front and back sides. At lifting, the bar is moved to the outside and locks in upper position. The PCBs can be inserted or removed. When lifting again, the slots are locked.

4 Gear belt

By pulling the gear belt, the side walls are set to the PCB width.

Type	Part no.	Side wall material	Temperature °C		Weight kg	Outside dimensions			PCB	
			Insertions	Surrounding		Width W	Length L	Height H	Width D	Length C
701.1	8917701	Polystyrene	60	50	5.6	320	355	563	40 - 250	342
701.2	8916701	Polycarbonate	130	80	5.9					
701.3	8915701	Metal	200	100	6.9					
702.1	8917702	Polystyrene	60	50	5.8	320	400	563	40 - 250	387
702.2	8916702	Polycarbonate	130	80	6.1					
702.3	8915702	Metal	200	100	7.2					
703.1	8917703	Polystyrene	60	50	6.2	380	400	563	40 - 310	387
703.2	8916703	Polycarbonate	130	80	6.5					
703.3	8915703	Metal	200	100	7.6					
704.1	8917704	Polystyrene	60	50	7.8	400	460	563	10 - 330	447
704.2	8916704	Polycarbonate	130	80	8.0					
704.3	8915704	Metal	200	100	9.5					
716.2	8916716	Polycarbonate	130	80	9.5	460	535	563	10 - 390	522
716.3	8915716	Metal	200	100	10.9					
717.2	8916717	Polycarbonate	130	80	9.7	530	535	563	10 - 460	522
717.3	8915717	Metal	200	100	11.1					

The **PCB magazines 70X.1** and **70X.2** are delivered partially assembled.

Assembled magazines to be ordered with an additional part no.:

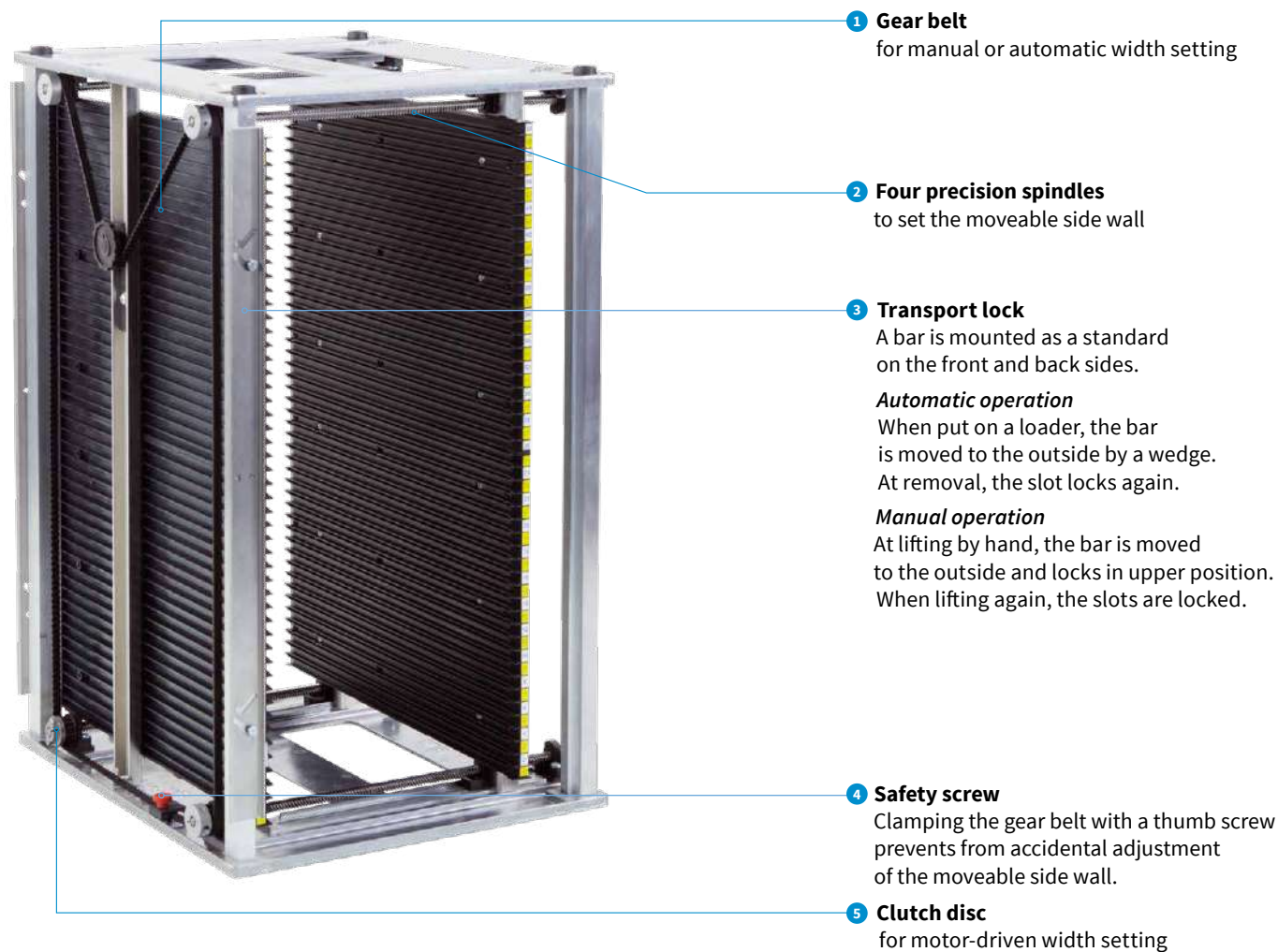
DL31001		assembled with stacking knobs
DL 31002		assembled for perfecting operation

The **PCB magazines 70X.3** are delivered assembled with stacking knobs.

further sizes on request

PCB magazine series 800

Variable width setting by pulling the gear belt motor-driven or by hand



Type	Part no.	Side wall material	Temperature °C		Weight kg	Outside dimensions			PCB	
			Insertions	Surrounding		Width W	Length L	Height H	Width D	Length C
						mm	mm	mm	mm	up to mm
801.1	8919801	Polystyrene	60	50	5.6	320	355	563	40 - 250	342
801.2	8918801	Polycarbonate	130	80	5.9					
801.3	8915801	Metal	200	100	6.9					
802.1	8919802	Polystyrene	60	50	5.8	320	400	563	40 - 250	387
802.2	8918802	Polycarbonate	130	80	6.1					
802.3	8916740	Metal	200	100	7.2					
803.1	8919803	Polystyrene	60	50	6.2	380	400	563	40 - 310	387
803.2	8916745	Polycarbonate	130	80	6.5					
803.3	8915803	Metal	200	100	7.6					
804.1	8919804	Polystyrene	60	50	7.8	400	460	563	10 - 330	447
804.2	8918804	Polycarbonate	130	80	8.0					
804.3	8915804	Metal	200	100	9.5					
816.2	8916816	Polycarbonate	130	80	9.5	460	535	563	10 - 390	522
816.3	8915816	Metal	200	100	10.9					
817.2	8916817	Polycarbonate	130	80	9.7	530	535	563	10 - 460	522
817.3	8915817	Metal	200	100	11.1					

The **PCB magazines 80X.1** and **80X.2** are delivered partially assembled.

Assembled magazines to be ordered with an additional part no.:

DL31001		assembled with stacking knobs
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The **PCB magazines 80X.3** are delivered assembled with stacking knobs.

further sizes on request

PCB magazine series 600, 700, 800

Accessories



Slot lock

to lock the slots on magazines with plastic side walls.
The clipping on and removal need no additional tools.

A slot lock in use reduces the maximum PCB width setting by 3 mm.

Pos.	Part no.	Product	Pack unit
1.1	8916571	Slot lock 1 (onefold)	100
1.2	8916575	Slot lock 5 (fivefold)	20



Bracket

to attach accompanying documents
on magazines with plastic side walls.

Part no.	Product	Pack unit
8913416	Bracket	1



Protective cover

It prevents PCBs inserted in a magazine from pollution.
conductive, solid, tear-proof
Material: Permastat ESD
Color: pink / thickness: 150 µm

Magazine type	Part no.	Pack unit
601, 701, 801	8916411	10
602, 702, 802	8916412	10
603, 703, 803	8916413	10
704, 804	8916414	10
716, 816	8916416	10
717, 817	8916417	10

Special magazines



Low structural height for series 600, 700, 800 magazines

Low height PCB magazines, e.g. in use in annealing furnaces;
Reducing the height also prevents from overload in the case of heavy PCBs or product carriers in use.

Side wall material: metal; plastic on request

Type	Part no.	Temperature °C		Weight kg	Outside dimensions			Insertions	Screw clamping	Gear belt
		Insertions	Surrounding		L mm	W mm	H mm			
601.3	8916130	200	200	5.5	355	320	343	28	■	-
701.3	8916410	200	100	5.9	355	320	263	20	-	■
701.3	8916175	200	100	6.1	355	320	343	28	-	■



Twin and triple magazines of the 700 series to process long PCBs

The magazines are assembled torsion resistant.

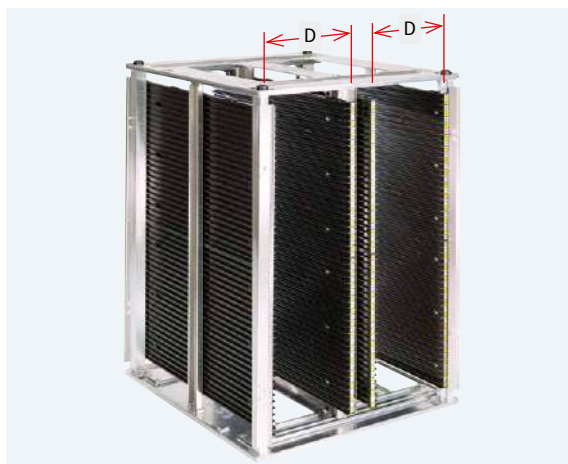
PCBs up to 1,187 mm in width can be stored safely and transported.

Side wall material: polycarbonate

Twin magazines are delivered fully assembled.

Triple magazines are delivered partially assembled.

Type	Part no.	Temperature °C		Weight kg	Outside dimensions			PCB		
		Insertions	Surrounding		L mm	W mm	H mm	Width D		Length C
							min. mm	up to mm	up to mm	
701.2-2	8916712	130	80	12.3	710	320	563	40	250	697
702.2-2	8916722	130	80	12.7	800	320	563	40	250	787
703.2-2	8916732	130	80	13.5	800	380	563	40	310	787
701.2-3	8916713	130	80	18.7	1,065	320	563	40	250	1,052
702.2-3	8916723	130	80	19.3	1,200	320	563	40	250	1,187
703.2-3	8916733	130	80	20.5	1,200	380	563	40	310	1,187



Doubled capacity by parallel insertion in series 600 magazines

Up to 100 PCBs put in one magazine; In the case of narrow PCBs, magazines with two insertion units can be used side by side.

Side wall materials: polystyrene, polycarbonate, metal

Type	Part no.	Temperature °C		Outside dimensions			PCB		
		Insertions	Surrounding	L mm	W mm	H mm	Width D		Length C
							min. mm	up to mm	up to mm
601.1-P	8916435	60	50	355	320	563	40	100	342
601.2-P	8915485	130	100	355	320	563	40	100	342
603.2-P	8916425	130	100	400	380	563	40	130	387
603.3-P	8916395	200	200	400	380	563	40	130	387