



KDR
Carton Live Storage System



SSI SCHAEFER – Quality with added-value for your system

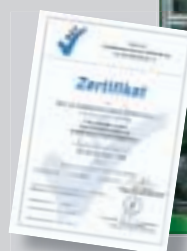


Systems without limits

SSI SCHAEFER has for several decades been one of the world's leading suppliers of complete, high-quality systems for warehouses, general commercial premises and offices – and for the waste-handling and recycling sector. Regardless of whether you are looking for boxes to fit a set of shelves, or a turnkey workshop or shelving system; an office desk or multiple-function plant facilities – each element is guaranteed to match every other, allowing you virtually complete freedom to bring together any combination of modules into the commercial or office facility of your choice, and to extend the system at will.

Our international presence, long experience and outstanding customer service all suppose major advantages for you when it comes to timely planning and set-up strategies. Our high-quality consultation and general services are designed to gain your trust – right from the initial contact. Our long years of experience and worldwide presence have given us a knowledge base that we use to the full throughout our manufacturing and assembly processes, and in the development and execution phase of each project. Full service and perfect quality, with the ISO 9001 stamp of approval – all under one roof.

Our policy of investment in the very latest plant machinery and advanced manufacturing technology, maximum strictness in quality assurance and unforgiving test procedures are all designed to guarantee that quality will remain at its present high level far into the future. You can thus always be sure that any SSI SCHAEFER product you acquire will perform safely and reliably – even under extreme conditions.



SSI SCHAEFER – For systemised competence

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KDR – THE SYSTEM

Flexible, modular slot-in system, designed to match your specifications with a minimum of fuss; can be combined with other SSI SCHAEFER systems; wide range of accessories available



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MATERIAL-HANDLING FLOW BEDS AND ERGONOMICS

Ergonomic flow bed layout, infinitely adjustable in the height, thanks to 25 mm fixing holes in side-section; height-adjustable in steps of 6.25 mm



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MATERIAL-HANDLING FLOW BEDS, VARIOUS CONFIGURATIONS

Combinations and configurations of material-handling flow beds to fulfil any specification

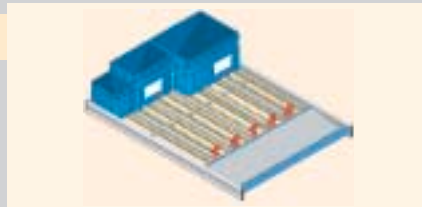


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KDR – THE SYSTEM FOR KLT BOXES

For all sizes of container, for stowing lengthways or sideways; easy assembly and adjustment thanks to slot-in configuration

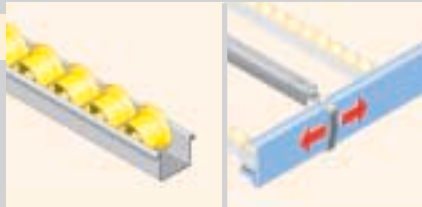


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MODULAR ELEMENTS – ACCESSORIES

A wide range of accessories, designed to improve your handling procedures



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SAFETY ACCESSORIES

Safety accessories designed to fulfil current standards and legislation



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KDR Carton Live Storage

The advantages

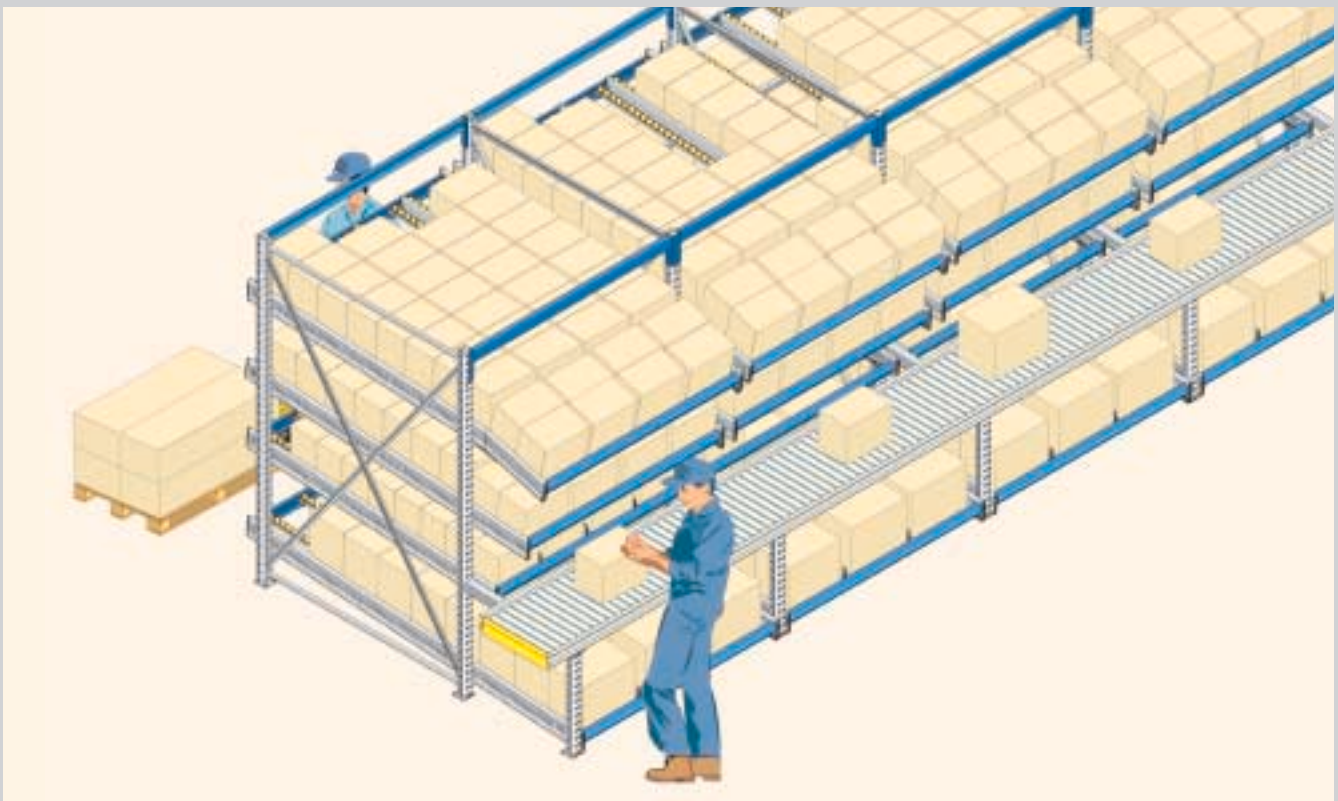
- Flexible, modular slot-in system for easy adaptation to your specifications
- Smooth-running roller tracks – choose between load capacities of 5 kg and 12 kg
- Can be combined with other SSI SCHAEFER shelving systems
- Smooth integration with conveyor systems
- Extra-wide range of accessories

Supports

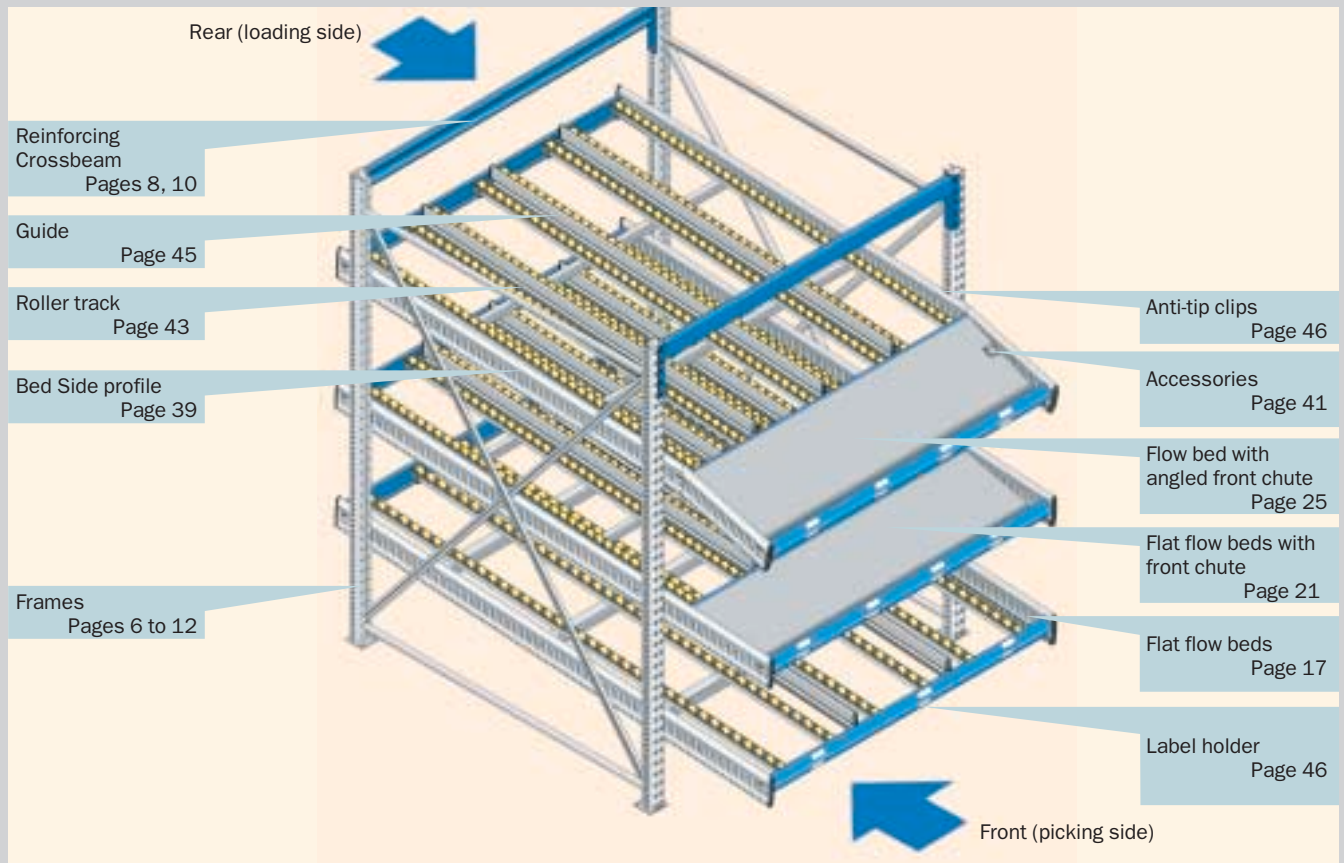
- Stability provided by 60, 75 and 90 mm uprights, for maximum rigidity and load-bearing performance
- Adjustment at intervals of just 6.25 mm, for maximum adaptability of storage system to items being handled
- Anti-Tip Clips

Material-handling flow beds

- The assembly of bolted braces provides frames with maximum rigidity
- Large range of flow bed-widths (up to 3,000 mm)
- Large range of flow bed-depths (up to 5,000 mm)
- Special fixing clips permit easy slot-in configuration with fixed positioning of roller tracks and guides in intervals of 5 mm
- Modular construction allows conversion from flat to angled front chute configuration – and much more besides
- The easy slot-in attachment of additional internal cross-supports allows load capacity to be increased at any time
- Adjustment holes along the entire length of each side-section permit ergonomic configuration of flow beds, without any depth restrictions
- Add optional guide rails for really wide-ranging configuration possibilities
- All-round adjustments allow you to adapt the width or depth of each material-handling flow bed to suit your needs at any time
- Three-way angle adjustment lets you optimise the system for smooth picking of material from the flow bed
- Label holders at the picking end



KDR Carton Live Storage – The system



Flat flow bed



Flat flow bed with angled front chute



Flow bed with angled front chute



Front profile



Chute Profile



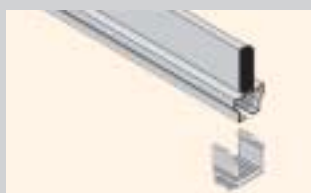
Cross Support



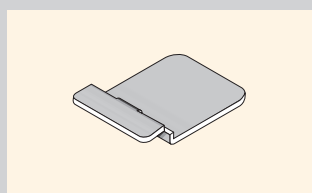
Rear profile



Roller track with spring clip and retainer clip



Guide with retainer clip



Support clip for chute plate

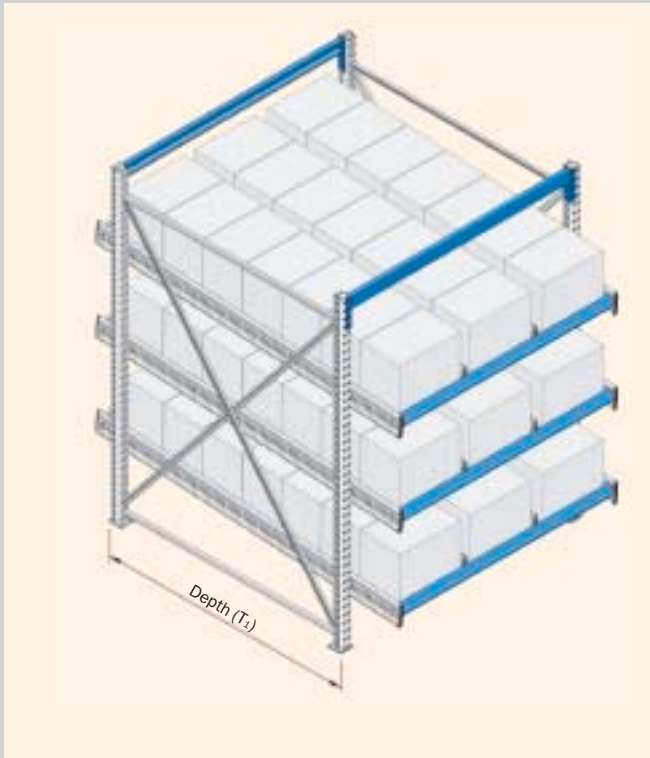


End-cap

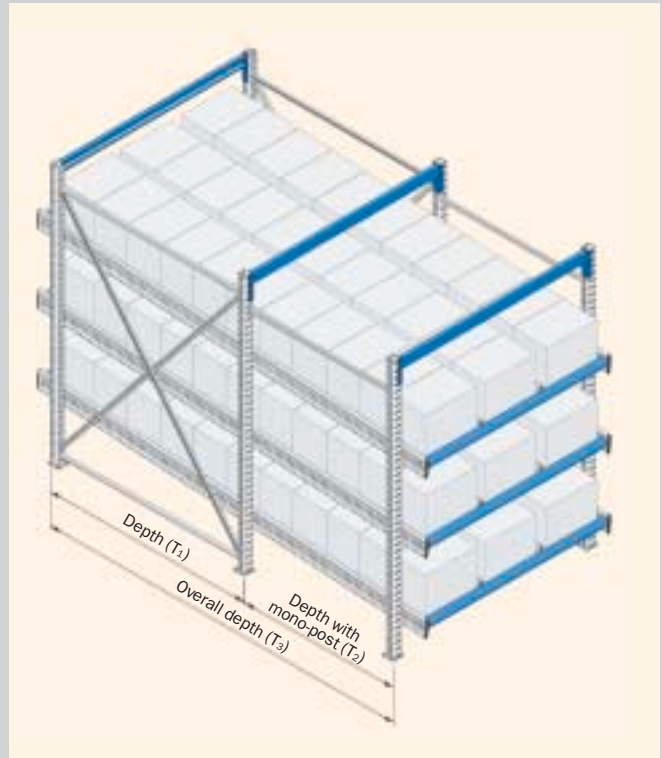


Anti-tip clip

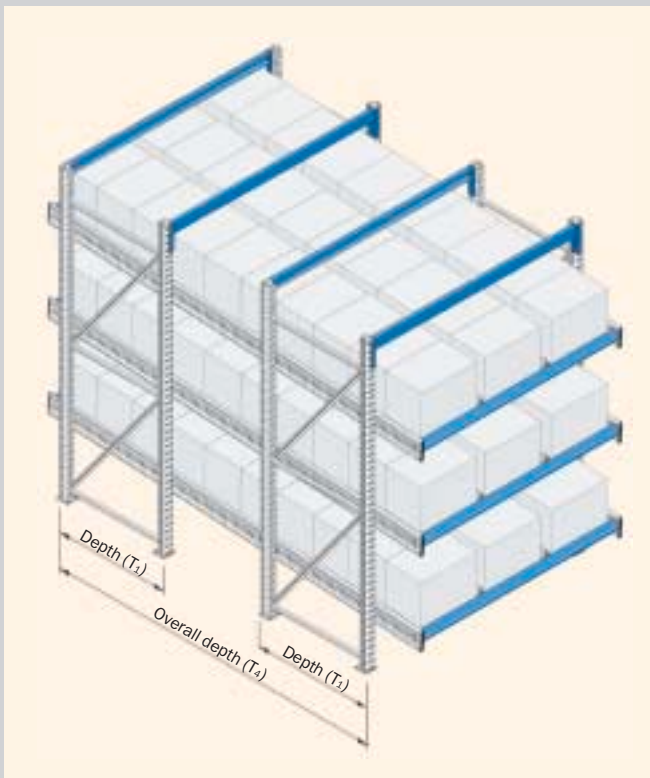
Frame combinations



Standard Frame (see page 7)



Frame arrangement with mono-post (see page 9)



Frame arrangement for maximum depth



Arrangement with palletised buffer stock (see page 11)

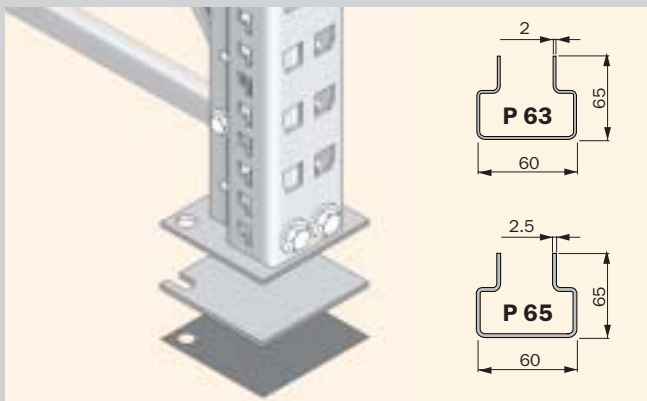
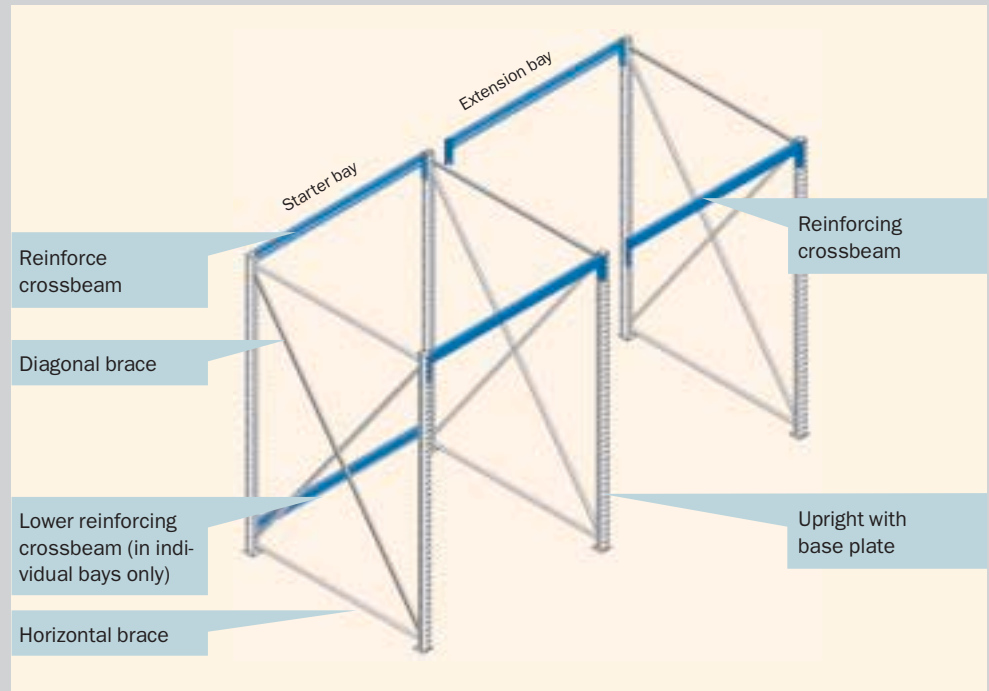
Standard frame

Standard frame

Frames with crossbraces and reinforcing crossbeam are joined to form the basis of a rigid structure.

The strengthened base plate provides improved load-distribution over the floor surface.

Precise profile configuration with punched slots, which when used with support clips allows fine adjustment of flow beds.

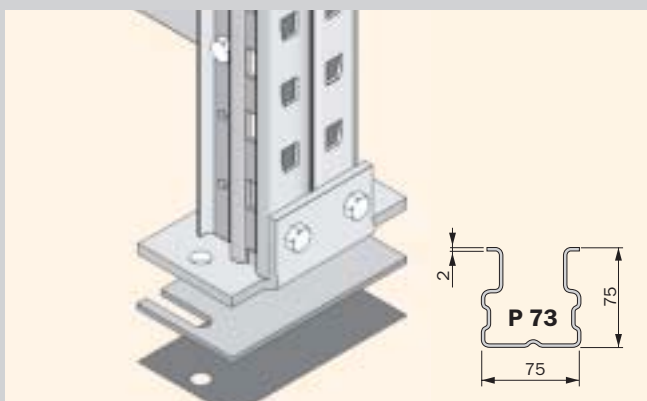


Profile P 63 and P 65

Profiles P 63 and P 65

The profile sections are made of cold-rolled high-strength steel and bolted to horizontal and diagonal braces to form a stable frame.

Slots are on a 50 mm pitch. Angle and height adjustment of the flow beds are in increments of 6.25 mm. Finish: galvanised



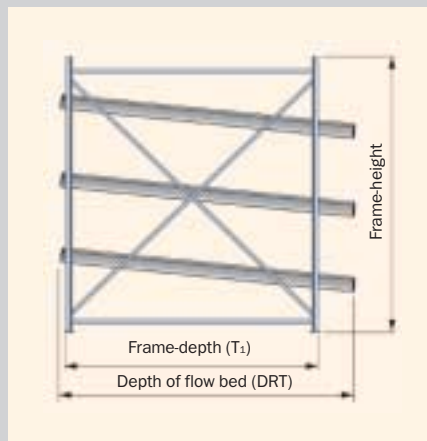
Profile P 73

Profile P 73 for higher loads

These profile sections, which are made of cold-rolled high-strength steel, are formed in a special process that guarantees maximum rigidity. They are bolted to horizontal and diagonal braces to provide a highly stable frame.

Slots are on a 50 mm pitch. Angle and height adjustment of the flow beds are in increments of 12.5 mm. Finish: galvanised

Standard Frames



Standard frame

The bay loads indicated only apply if frames are fully floor fixed. Please order one floor anchor for each upright. Concrete grade min. B25. Individual bay with three reinforcing crossbeams. Use two reinforcing crossbeams with two bays and more.

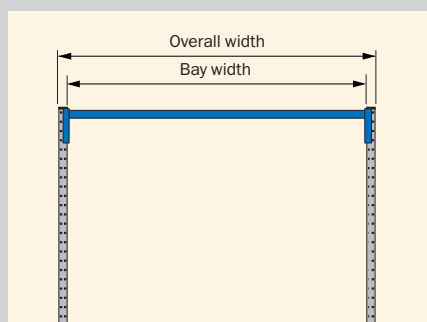
Example:

Frame-depth T_1 = depth of flow bed DRT - 450 mm

Depth of flow bed (DRT) mm	Frame-depth (T_1) mm	Frame-height mm	Bay load max. kg	Ref. no	Code
Upright profile section P 63					
1,300	850	2,500	2,500	K-RP 63-0850	439550
1,700	1,250	2,500	2,500	K-RP 63-1250	439560
1,900	1,450	2,500	2,500	K-RP 63-1450	439570
2,100	1,650	2,500	2,500	K-RP 63-1650	439580
2,500	2,050	2,500	2,500	K-RP 63-2050	439590
3,100	2,650	2,500	2,500	K-RP 63-2650	439600
For mono-post	1,050	2,500	2,500	K-RP 63-1050	439555

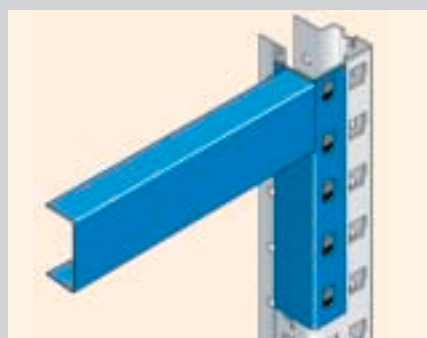
Upright profile section P 65					
1,300	850	2,500	3,400	K-RP 65-850	439610
1,700	1,250	2,500	3,400	K-RP 65-1250	439620
1,900	1,450	2,500	3,400	K-RP 65-1450	439630
2,100	1,650	2,500	3,400	K-RP 65-1650	439640
2,500	2,050	2,500	3,400	K-RP 65-2050	439650
3,100	2,650	2,500	3,400	K-RP 65-2650	439660
For mono-post	1,050	2,500	3,400	K-RP 65-1050	439615

Upright profile section P 73					
1,300	850	2,500	4,500	RV 730258	135820
1,700	1,250	2,500	4,500	RV 730252	135940
1,900	1,450	2,500	4,500	K-RP 73-1450	439670
2,100	1,650	2,500	4,500	K-RP 73-1650	439680
2,500	2,050	2,500	4,500	K-RP 73-2050	439690
For mono-post	1,050	2,500	4,500	RV 730251	135880



Reinforcing Crossbeams

Reinforcing crossbeams and the supporting frames form a separate unit, thus enabling flow beds to be adjusted individually without emptying the rack. The crossbeams serve only to give rigidity to the rack structure and are not designed to accommodate pallets. At least two reinforcing crossbeams are required per bay depending on the load. Finish: blue RAL 5010.



Reinforcing crossbeams 'U' profile for P63, P65 and P 73

Bay-width mm	Ref. no	Code
1,350	K-AT-1350	440810
1,800	K-AT-1800	441260
2,200	K-AT-2200	441660
2,700	K-AT-2700	442160

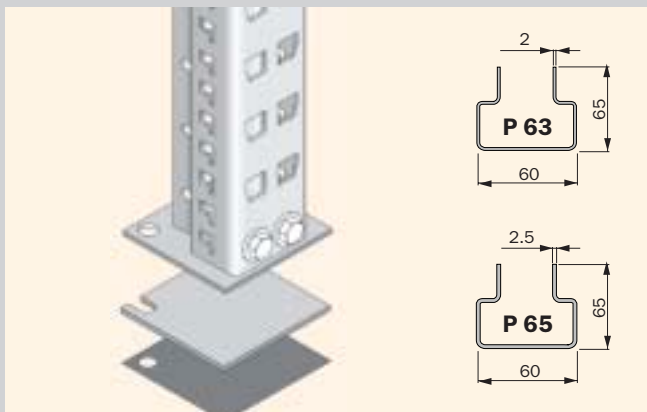
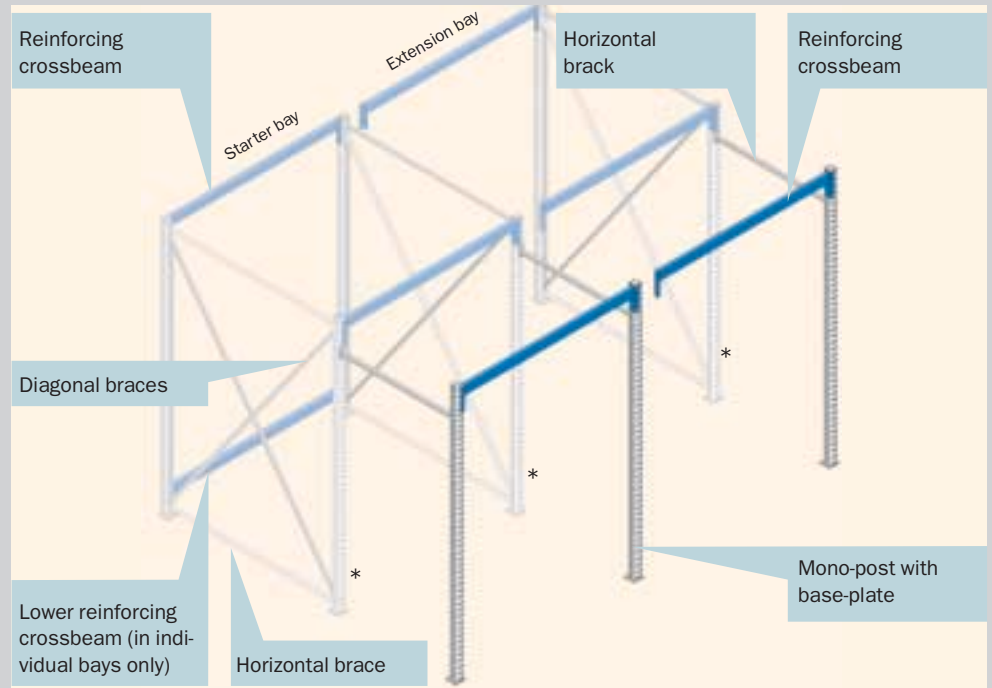
Bay-width for KLT applications mm	Ref. no	Code
880	K-AT-0880	440340
1,080	K-AT-1080	440540
1,280	K-AT-1280	440740

Uprights P 63, P 65 and P 73

Frames with mono-posts

Support with mono-posts

The mono-post extends the depth of the frame structure when used in combination with the corresponding frame. The assembly consists of a mono-post with base-plate and cross-piece. This type of frame structure should be selected when greater depth is required and/or in cases where the flow bed has to be supported centrally with an additional two adjusting clips (marked with *). The strengthened base-plate provides improved load-distribution over the floor surface. Precise profile configuration with punched slots, which when used with support clips, allow fine-adjustment of the flow bed in increments of just 6.25 mm.

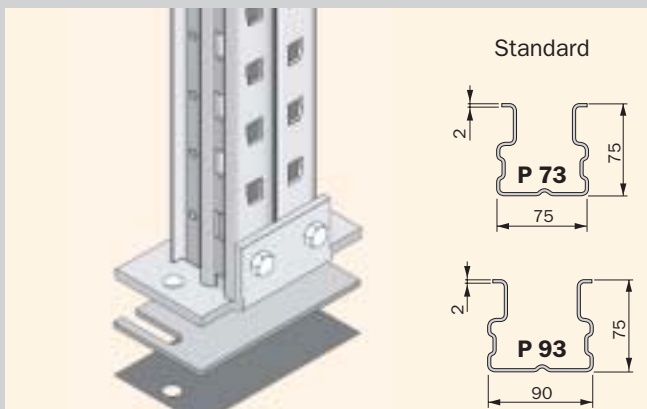


Profile P 63 and P 65

Frames with mono-post P 63 and P 65

The uprights and mono-posts are made of cold-rolled high-strength steel. Horizontal braces are bolted in position. 50 mm pitch slots. Angle and height adjustment of the flow beds in increments of 6.25 mm.

Finish: galvanised

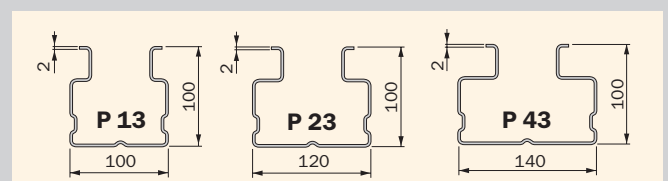


Profile P 73 and P 93

Frames with mono-posts P 73 and P 93 for higher bay loads

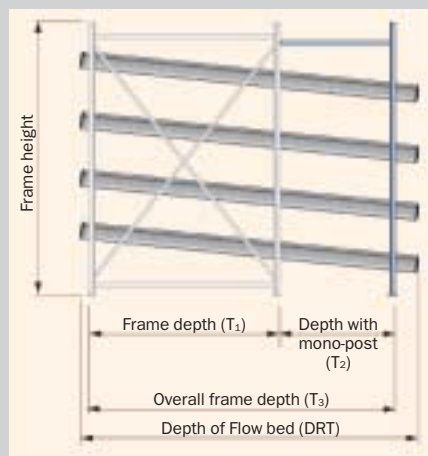
The uprights and mono-posts, which are made of cold-rolled high-strength steel, are specially formed to provide maximum rigidity. Horizontal braces are bolted to the main support frame. 50 mm pitched slots. Angle and height adjustment of the flow beds in increments of 12.5 mm.

Finish: galvanised



On request

Frames with mono-posts



Mono-posts

The bay loads indicated only apply if fully floor fixed. One floor anchor is required for each upright. Concrete grade min. B25. The starter and extension bays require one reinforcing crossbeam for the mono-post.

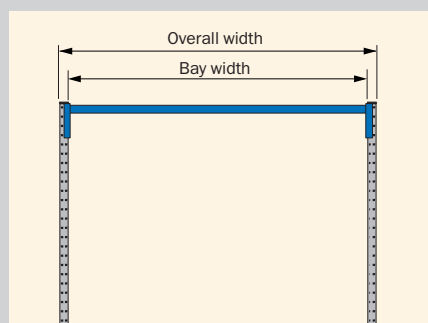
Example:

Frame-depth T_3 = depth of flow bed DRT - 450 mm
max depth of T_2 is 2,000 mm.

Please indicate dimension T_2 when ordering.

Depth of flow bed (DRT) mm	Frame depth (T_1) mm	Depth of horizontal brace (T_2) mm	Frame depth (T_3) mm	Frame height mm	Bay load max. kg	Ref. no	Code
Upright profile section P 63							
1,900	1,050	400	1,450	2,500	*	K-PS-P 63-0400	439700
2,100	1,050	600	1,650	2,500	*	K-PS-P 63-0600	439710
2,500	1,050	1,000	2,050	2,500	*	K-PS-P 63-1000	439720
3,100	1,050	1,600	2,650	2,500	*	K-PS-P 63-1600	439730
Upright profile section P 65							
1,900	1,050	400	1,450	2,500	*	K-PS-P 65-0400	439740
2,100	1,050	600	1,650	2,500	*	K-PS-P 65-0600	439750
2,500	1,050	1,000	2,050	2,500	*	K-PS-P 65-1000	439760
3,100	1,050	1,600	2,650	2,500	*	K-PS-P 65-1600	439770
Upright profile section P 73							
1,900	1,050	400	1,450	2,500	*	K-PS-P 73-0400	439780
2,100	1,050	600	1,650	2,500	*	K-PS-P 73-0600	439790
2,500	1,050	1,000	2,050	2,500	*	K-PS-P 73-1000	439800
3,100	1,050	1,600	2,650	2,500	*	K-PS-P 73-1600	439810
Upright profile section P 93							
1,900	1,050	400	1,450	2,500	*	K-PS-P 93-0400	439820
2,100	1,050	600	1,650	2,500	*	K-PS-P 93-0600	439830
2,500	1,050	1,000	2,050	2,500	*	K-PS-P 93-1000	439840
3,100	1,050	1,600	2,650	2,500	*	K-PS-P 93-1600	439850

* Section load according to corresponding frame support



Reinforcing Crossbeams

Reinforcing crossbeams and the supporting frames form a separate unit, thus enabling flow beds to be adjusted individually without emptying the rack. The crossbeams serve only to give rigidity to the rack structure and are not designed to accommodate pallets. At least two reinforcing crossbeams are required per bay depending on the load. Finish: blue RAL 5010.



Uprights P 63, P 65 and P 73

Reinforcing crossbeams for P 63, P 65, P 73 and P 93

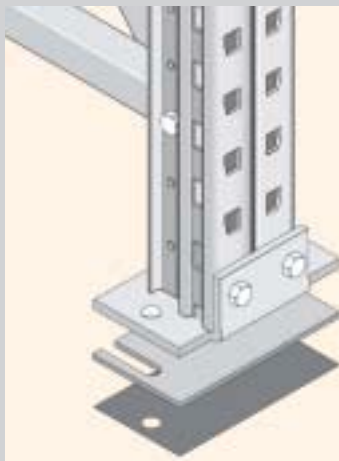
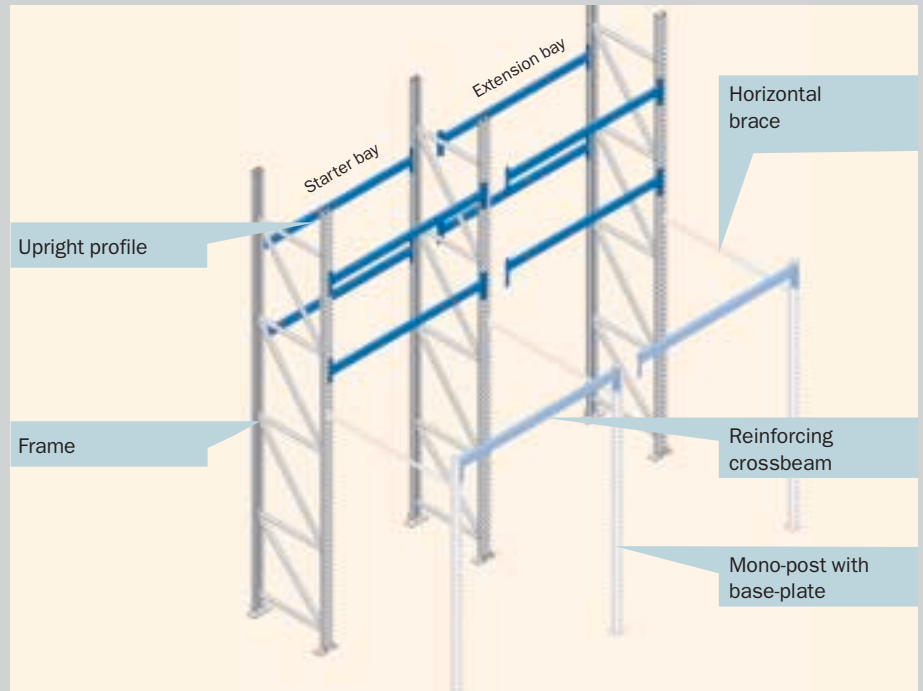
Bay-width mm	Ref. no	Code
1,350	K-AT-1350	440810
1,800	K-AT-1800	441260
2,200	K-AT-2200	441660
2,700	K-AT-2700	442160

Frames with palletised buffer stock

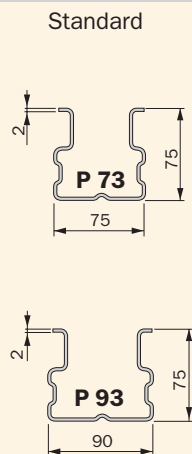
Frames for palletised buffer stock

Pallet racking PR 600 designed for pallet-storage purposes, located above flow beds.

Great depths can be achieved by the joint use of pallet racking, arranged in sequence or with mono-posts. The strengthened base plate provides improved load-distribution over the floor surface. Precise profile configuration with punched slots, when used in conjunction with adjusting clips, allow fine-adjustment of the angle and height of the handling surfaces in steps of just 12.5 mm.

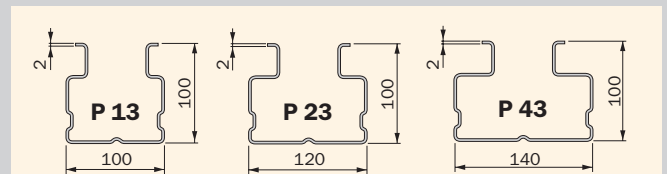


Upright P 73 and P 93



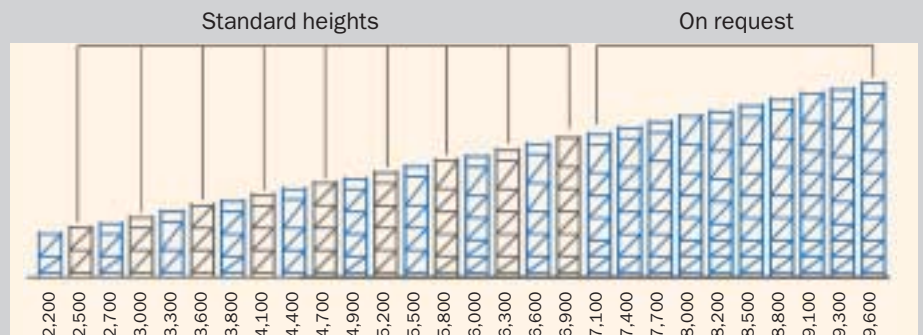
Uprights and mono-posts PR 600 for higher bay loads

These upright profile sections are formed in a special process that guarantees maximum rigidity. They are bolted to horizontal and diagonal braces to provide a highly stable framework. 50 mm pitch slots. Angle and height adjustment of the flow beds in increments of 12.5 mm. Finish: galvanised

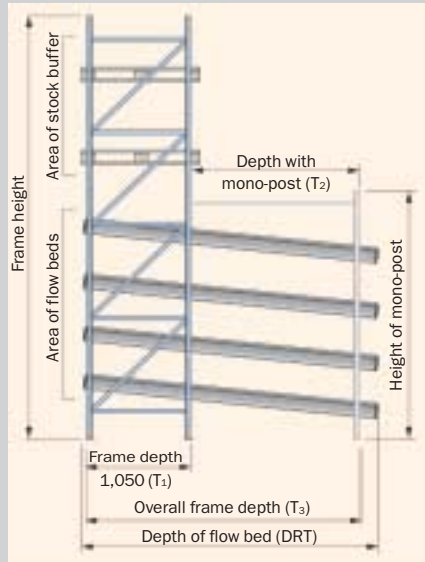


On request

Frame heights



Frames with Palletised Buffer Stock



Frame PR 600

The bay loads indicated only apply if fully floor fixed.

One floor anchor is required for each upright. Concrete grade min. B25. The starter and extension bays each require one reinforcing crossbeam per mono-post.

Example:

Depth T_3 = depth of flow bed DRT - 450 mm

Depth of horizontal brace max. 2,000 mm

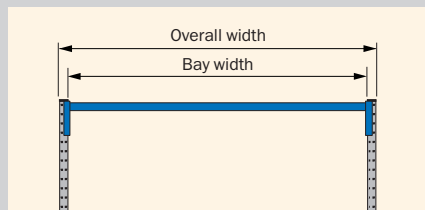
Please indicate dimension T_2 when ordering.

Frame height mm	Frame depth (T_2) mm	Ref. no	Code
Upright profile section P 73			
2,500	1,050	RV 730251	135880
3,000	1,050	RV 730301	135890
3,600	1,050	RV 730361	135900
4,100	1,050	RV 730411	135910
4,700	1,050	RV 730471	135920
Upright profile section P 93			
2,500	1,050	RV 930251	137490
3,000	1,050	RV 930301	137510
3,600	1,050	RV 930361	137530
4,100	1,050	RV 930411	137550
4,700	1,050	RV 930471	137570
5,200	1,050	RV 930521	137590
5,800	1,050	RV 930581	137610
6,300	1,050	RV 930631	137630
6,900	1,050	RV 930691	137650

Example of section loads:

Four flow beds per bay, depth of flow bed 2,500 mm, bay width 2,700 mm depth of horizontal brace 1,000 mm, overflow storage for Europallets of 800 x 1,200 mm.

Pallet capacity kg	Load ranch	Frame P 73			Support frame P 93		
		Crossbeam	Bay load kg		Crossbeam	Bay load kg	
Up to 300	Area of flow bed	INP 80	4,050		-	-	
	1 pallet level	INP 80	900		-	-	
	2 pallet levels	INP 80	1,800		-	-	
Up to 600	Area of flow bed	INP 80	3,400		INP 80	5,200	
	1 pallet level	INP 80	1,800		INP 80	1,800	
	2 pallet levels	INP 80	2,400		INP 100	5,400	
Up to 1,000	Area of flow bed	INP 100	2,800		INP 100	6,000	
	1 pallet level	INP 100	3,000		INP 100	3,000	
	2 pallet levels	INP 100	3,000		INP 100	6,000	

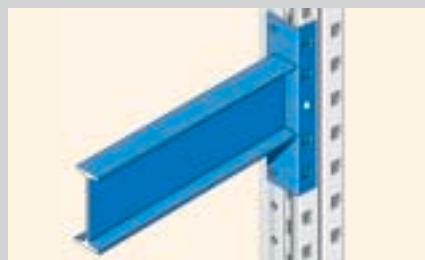


Reinforcing crossbeams

Crossbeams with welded-on four-hook connectors guarantee a weight-assisted positive fit with the uprights. Adjustable pitch 50 mm. Four locking pins per pair prevent accidental detachment. The values indicated apply to evenly-distributed loads.

Catalogue numbers are „per pair“.

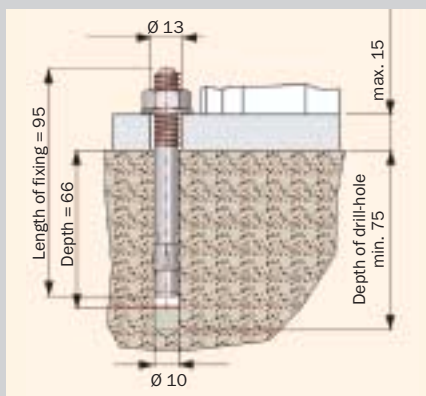
Finish: painted blue (RAL 5010)



Crossbeams INP 80 and INP 100

Bay width mm	Profile	Load per pair kg	Ref. no	Code
1,800	INP 80	3,000	TRV 1808 I	154000
2,200	INP 80	2,500	TRV 2208 I	154020
2,200	INP 100	4,200	TRV 2210 I	154030
2,700	INP 80	2,000	TRV 2708 I	154040
2,700	INP 100	3,500	TRV 2710 I	154050

Floor fixings, Shims and insulation plates

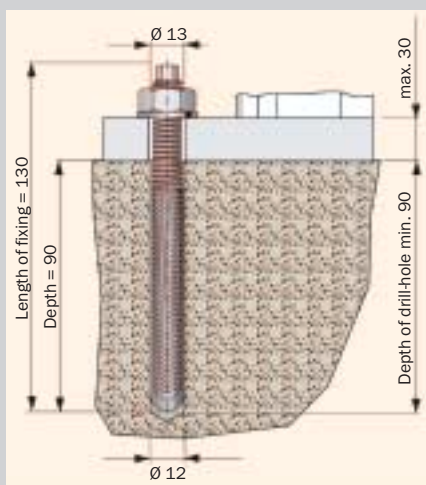


Expanding anchor

Expanding anchor

The frame must be anchored to the floor in order to guarantee the stability of the system. Normal B25-type concrete floors require M10 expanding anchors. Use one anchor for each base-plate.

	Ref. no	Code
M10 expanding anchor	BA 10 SL	67030

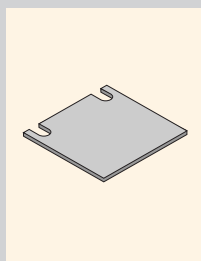


Chemical anchor

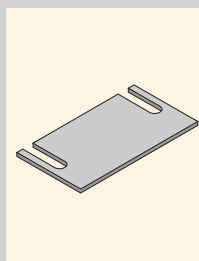
Chemical anchor

In the case of magnesite flooring, the frame must be anchored to the floor in order to guarantee the stability of the system. Use one anchor for each base-plate.

	Ref. no	Code
M10 chemical anchor	BA 10 VA	67390



Shim P63/P65

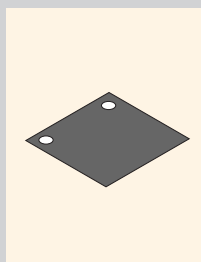


P73/P75

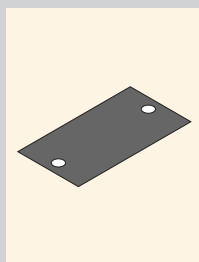
Shims

For all upright profile sections. Provides compensation for uneven floor surfaces. Finish: galvanised

Upright	Thickness mm	Ref. no	Code
P 63 and P 65	1	AP 60.51	143500
P 63 and P 65	2	AP 60.52	143510
P 73 and P 93	1	AP 60.91	155000
P 73 and P 93	2	AP 60.92	155010



Insulation plate P63/P65



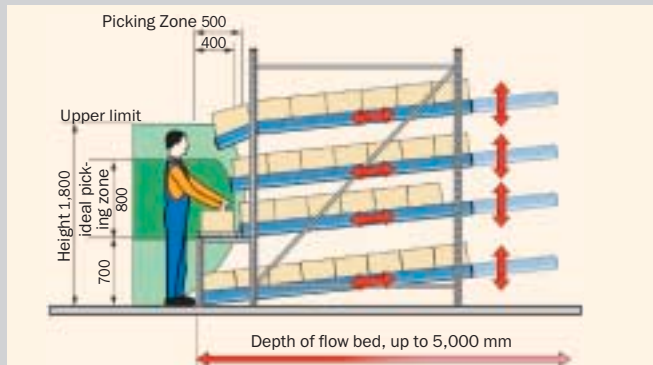
P73/P75

Insulation plates

Each upright should be fitted with a plastic insulating plate in order to prevent corrosion, if the system is installed on a magnesite floor surface.

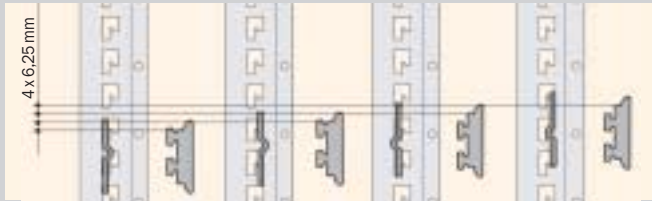
Upright	Thickness mm	Ref. no	Code
P 63 and P 65	1	IP 60.51	155220
P 73 and P 93	1	IP 60.91	155020

Ergonomics



Thanks to the adjusting slots in the side-section of each flow bed, it can be adjusted horizontally – without the use of tools – in order to provide an optimal picking curve from an ergonomic viewpoint.

With the use of strong side-profiles and additional internal cross-supports it is possible to supply depths of up to 5,000 mm.

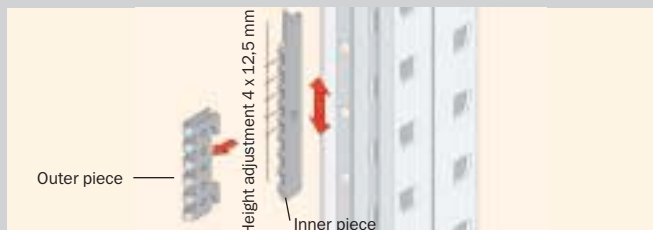


Upright profile section P 63/P 65

Height-adjustment – in increments of just 6.25 mm – is carried out by using inserting clip K-VH1 to a slot in the upright and then turning through 180 degrees. This vertical fine-adjustment – without the use of nuts or bolts – allows the incline to be set to an optimum angle at any time.



Adjusting slots (of 25 mm) along the entire length of the side-profile permit ergonomic configuration of the flow bed, without any depth restrictions.



Upright profile section P 73/P 93

Height adjustment in increments of just 12.5 mm – is carried out by repositioning the outer and inner clips. This vertical line adjustment, without the use of bolts allows the incline to be set to an optimum angle at any time.



Adjusting slots (of 25 mm) along the entire length of the side-profile permit ergonomic configuration of the flow bed.

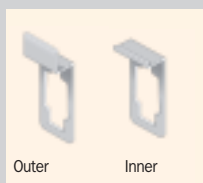


Adjusting clip for upright profile section P 63/P 65 The height of the flow bed can be adjusted – in increments of 6.25 mm – by attaching the adjusting clip to the punched slot on either the right or left hand side, and by rotating.



Adjusting clip (front) for upright profile P 73/P 93

For supporting the flow bed in the front uprights (PR 600 system). Adjusting increments: 12.5 mm



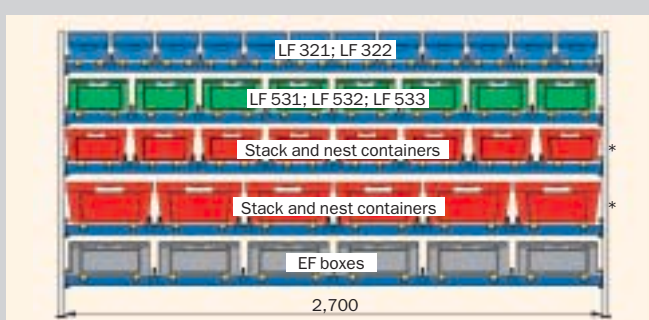
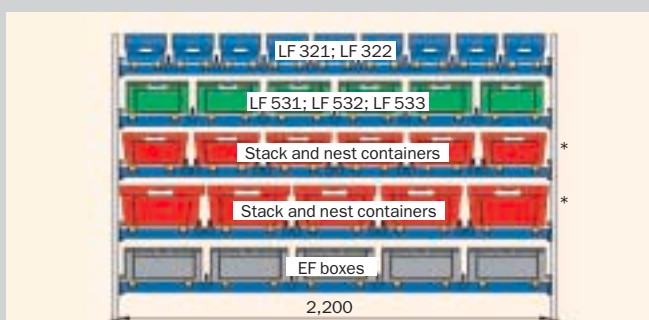
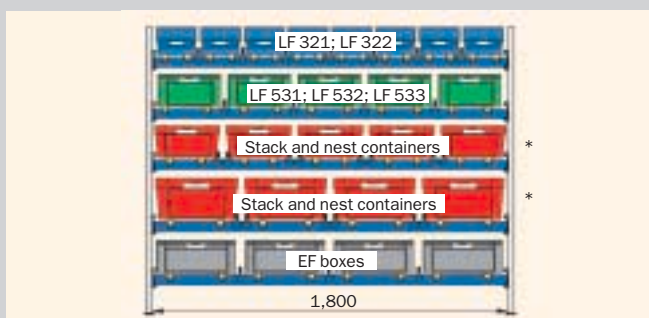
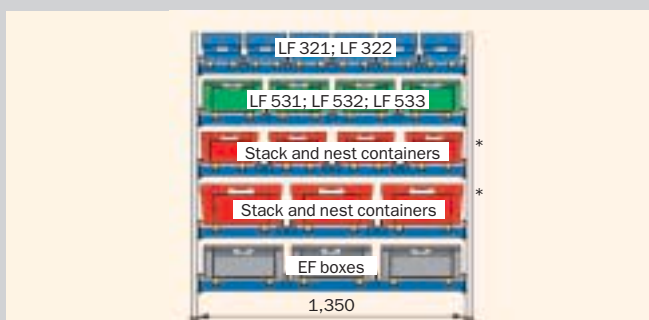
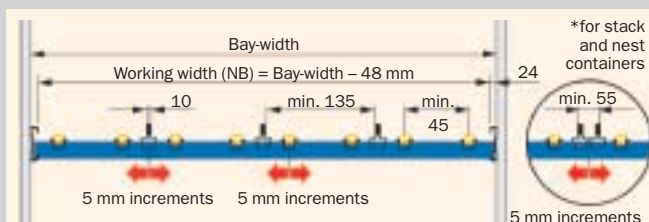
Slotted support (outer and inner) for upright profile section P 63, P 65 Positioned over the adjusting clip to allow easy front to back adjustment of the flow bed in order to obtain the most ergonomically favourable position.



Adjusting clip (rear and inner) with spacer

The purpose of the spacer is to reduce the adjusting increments from 12.5 mm to 6.25 mm. It is slotted into the clip in order to provide additional central support.

Samples configurations



These schematic illustrations show various ways of loading SSI SCHAEFER containers **with the use of guide rails**, configured with the standard bay widths of 1,350 mm, 1,800 mm, 2,200 mm and 2,700 mm. Height-adjustment of the flow bed in steps of 6.25 mm offers the great advantage of fine adjustment to the individual handling height of each container.

Bay-width 1,350 mm

Container type	Number of Lanes	Actual lane width mm	Number Roller Track	Number Guide Rail
LF 321; LF 322	6	205	12	5
LF 531; LF 532; LF 533; EF boxes	4	315	8	3
*Stack and nest containers	4	315	8	6
*Stack and nest containers	3	425	6	4
EF boxes	3	425	6	2

Bay-width 1,800 mm

Container type	Number of Lanes	Actual lane width mm	Number Roller Track	Number Guide Rail
LF 321; LF 322	8	205	16	7
LF 531; LF 532; LF 533; EF boxes	5	315	10	4
*Stack and nest containers	5	315	10	8
*Stack and nest containers	4	425	8	6
EF boxes	4	425	8	3

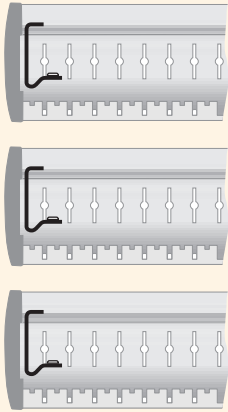
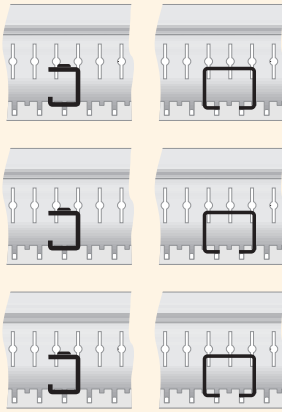
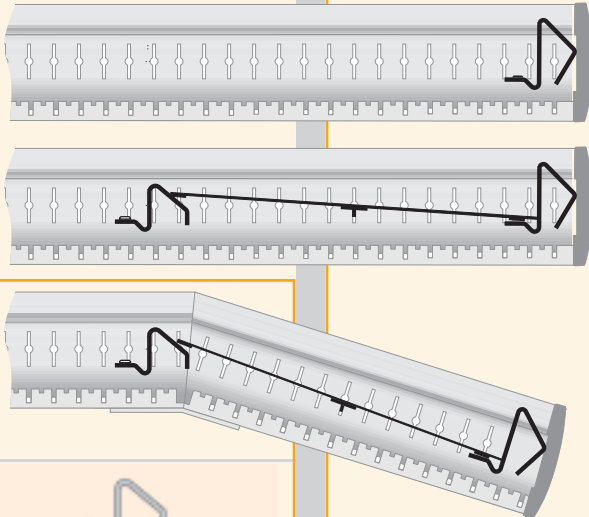
Bay-width 2,200 mm

Container type	Number of Lanes	Actual lane width mm	Number Roller Track	Number Guide Rail
LF 321; LF 322	9	205	18	8
LF 531; LF 532; LF 533; EF boxes	6	315	12	5
*Stack and nest containers	6	315	12	10
*Stack and nest containers	5	425	10	8
EF boxes	5	425	10	4

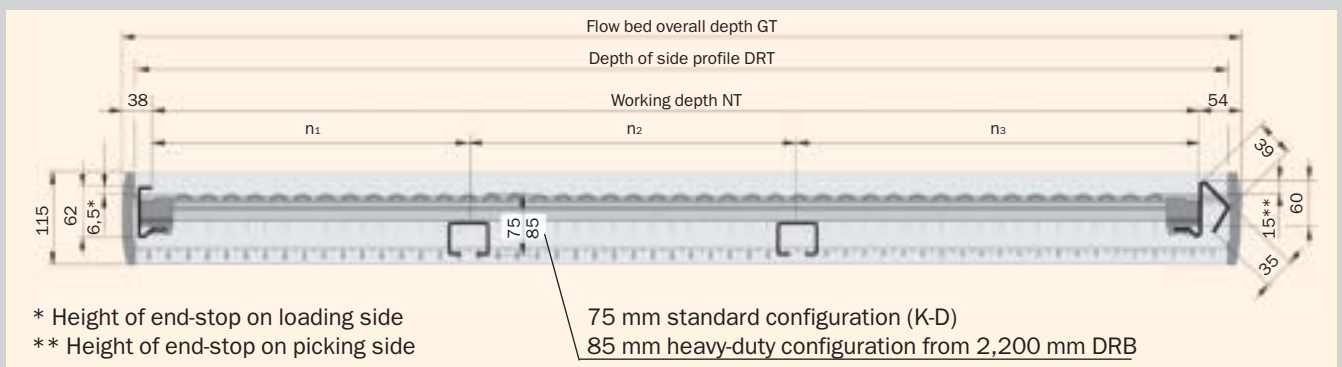
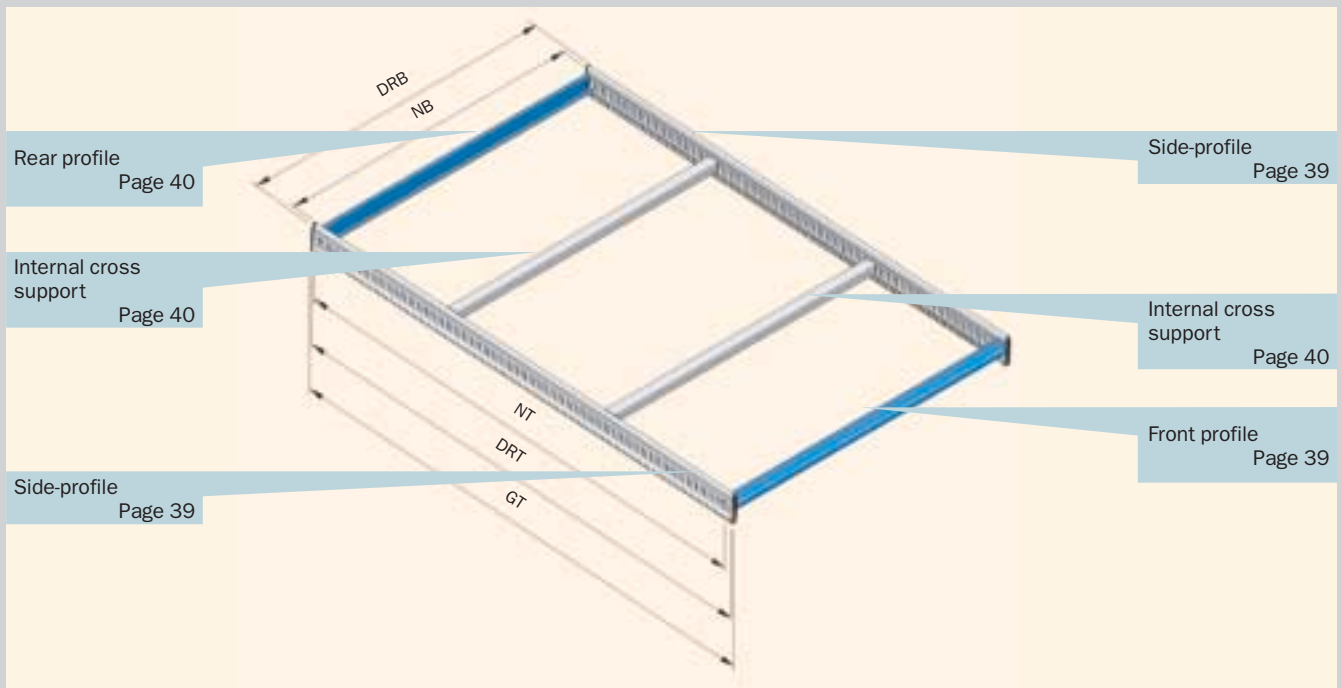
Bay-width 2,700 mm

Container type	Number of Lanes	Actual lane width mm	Number Roller Track	Number Guide Rail
LF 321; LF 322	12	205	24	11
LF 531; LF 532; LF 533; EF boxes	8	315	16	7
*Stack and nest containers	8	315	16	14
*Stack and nest containers	6	425	12	10
EF boxes	6	425	12	5

Combinations of flow bed arrangements

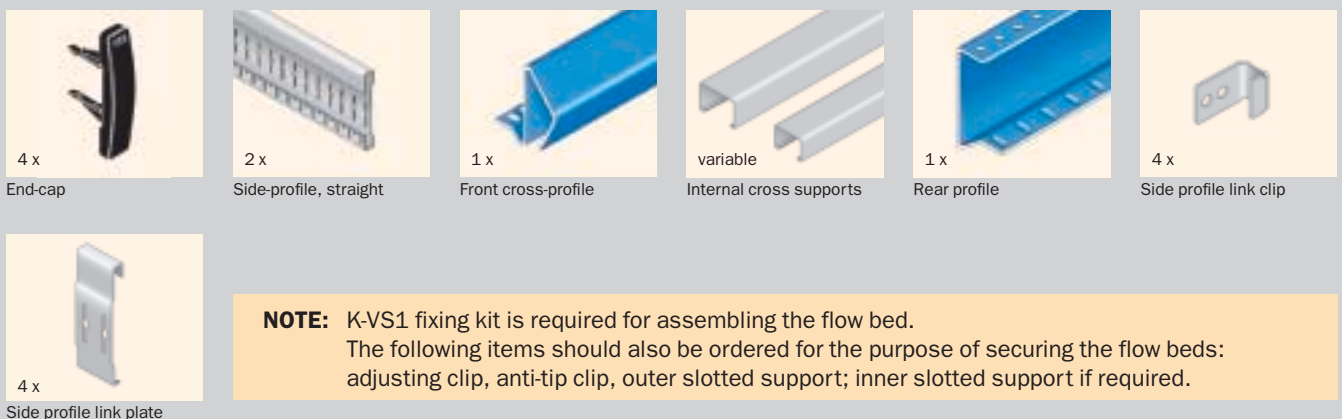
Rear Profile	Central/inner support	Chute Profile	Front profile
			
Rear profile K-QH with wide lower edge for track support	Internal cross-support K-QI Support for roller tracks. The load capacity of the flow bed is determined by the number of cross supports.	Chute profile K-QK For use on outlet chute; for attaching track and guides to outlet chutes	
			
Rear profile K-QH-KLT with lengthened upper edge; this ensures that the KLT container on the track does not become jammed	Central cross-support K-QM In the case of flow beds of over 3,100 mm in length, this profile section – used in conjunction with fixing clips – can provide extra stability for the roller track and guides	Profile reinforcer K-QKV This profile section can be used to provide extra reinforcement for wider, heavily loaded flow beds.	Front cross-connector K-QV with end-stop
			
Angled profile K-QK For use with automatic loading e.g. with RGB.			Front profile for pick-by-light K-QV-PBL. For attachment of a pick-by-light indicator. This profile can be supplied in three angled settings.
			
Front profile K-QV This profile with end-stop edge can also be attached at the rear.			Cross profile step K-QT Built in step on picking side. The side-profile must be extended correspondingly to suit. For added safety, the bed side profile must be bolted to the upright.
			
Cross profile step K-QT Built in step on loading side. The side-profile must be extended correspondingly to suit. For added safety, the bed side profile must be bolted to the upright.			

Flat flow beds K-D and K-SD

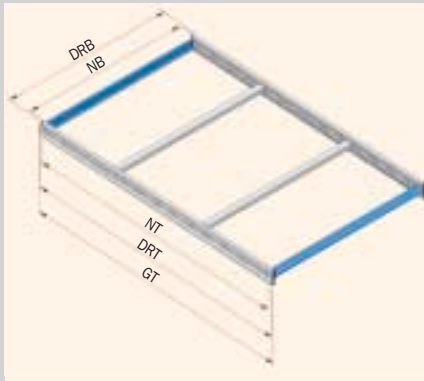


Standard flat flow bed

Flow bed consisting of:



Flat flow bed K-D



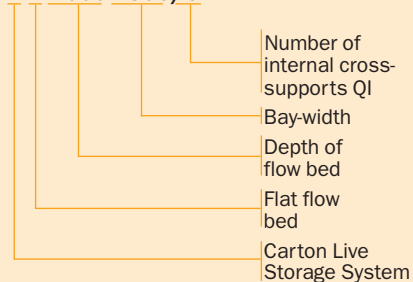
- DRB: Width of flow bed
= bay width - 2 mm
- NB: Working width
= Bay-width - 46 mm
- NT: Working depth = depth of flow bed
DRT - 68 mm
- GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed K-D

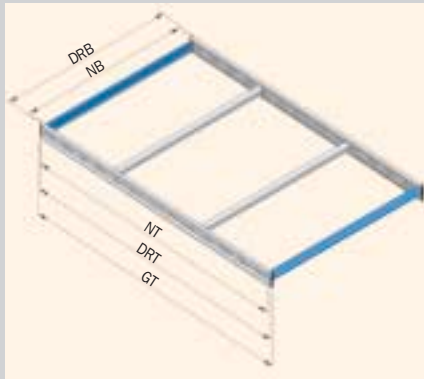
Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	1,350	180	K-D-1300-1350/0	453000
	1,350	480	K-D-1300-1350/1	453010
	1,800	160	K-D-1300-1800/1	453020
	1,800	320	K-D-1300-1800/2	453030
	1,800	490	K-D-1300-1800/3	453040
	2,200	100	K-D-1300-2200/0	453050
	2,200	210	K-D-1300-2200/1	453060
	2,200	320	K-D-1300-2200/2	453070
	2,200	430	K-D-1300-2200/3	453080
	2,200	530	K-D-1300-2200/5	453090
	2,700	130	K-D-1300-2700/1	453100
	2,700	270	K-D-1300-2700/3	453110
	2,700	410	K-D-1300-2700/5	453120
1,700	1,350	100	K-D-1700-1350/0	453130
	1,350	270	K-D-1700-1350/1	453140
	1,800	130	K-D-1700-1800/0	453150
	1,800	320	K-D-1700-1800/1	453160
	1,800	490	K-D-1700-1800/2	453170
	2,200	100	K-D-1700-2200/0	453180
	2,200	210	K-D-1700-2200/1	453190
	2,200	320	K-D-1700-2200/2	453200
	2,200	430	K-D-1700-2200/3	453210
	2,200	530	K-D-1700-2200/4	453220
	2,200	640	K-D-1700-2200/5	453230
	2,700	130	K-D-1700-2700/1	453240
	2,700	270	K-D-1700-2700/3	453250
	2,700	410	K-D-1700-2700/5	453260
	2,700	540	K-D-1700-2700/7	453270
1,900	1,350	330	K-D-1900-1350/1	453280
	1,350	500	K-D-1900-1350/2	453290
	1,800	100	K-D-1900-1800/0	453300
	1,800	320	K-D-1900-1800/1	453310
	1,800	490	K-D-1900-1800/2	453320
	1,800	650	K-D-1900-1800/3	453330
	2,200	100	K-D-1900-2200/0	453340
	2,200	210	K-D-1900-2200/1	453350
	2,200	320	K-D-1900-2200/2	453360
	2,200	430	K-D-1900-2200/3	453370
	2,200	530	K-D-1900-2200/4	453380
	2,200	640	K-D-1900-2200/5	453390
	2,200	750	K-D-1900-2200/6	453400
	2,700	130	K-D-1900-2700/1	453410
	2,700	270	K-D-1900-2700/3	453420
2,100	1,350	290	K-D-2100-1350/1	453460
	1,350	450	K-D-2100-1350/2	453470
	1,350	600	K-D-2100-1350/3	453480
	1,800	320	K-D-2100-1800/1	453490
	1,800	490	K-D-2100-1800/2	453500
	1,800	650	K-D-2100-1800/3	453510
	2,200	210	K-D-2100-2200/1	453520
	2,200	320	K-D-2100-2200/2	453530
	2,200	430	K-D-2100-2200/3	453540
	2,200	530	K-D-2100-2200/4	453550
	2,200	640	K-D-2100-2200/5	453560
	2,200	750	K-D-2100-2200/6	453570
	2,700	130	K-D-2100-2700/1	453580
	2,700	270	K-D-2100-2700/3	453590
	2,700	410	K-D-2100-2700/5	453600
	2,700	540	K-D-2100-2700/7	453610
	2,700	680	K-D-2100-2700/9	453620

Key to code.:

K-D-2500-1800/3



Flat flow bed K-D



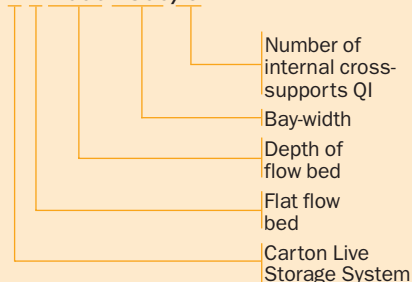
- DRB: Width of flow bed
= bay width - 2 mm
- NB: Working width
= Bay-width - 46 mm
- NT: Working depth = depth of flow bed
DRT - 68 mm
- GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed K-D

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
2,500	1,350	240	K-D-2500-1350/1	455000
	1,350	370	K-D-2500-1350/2	455010
	1,350	500	K-D-2500-1350/3	455020
	1,350	630	K-D-2500-1350/4	455030
	1,800	320	K-D-2500-1800/1	455040
	1,800	490	K-D-2500-1800/2	455050
	1,800	650	K-D-2500-1800/3	455060
	1,800	810	K-D-2500-1800/4	455070
	2,200	210	K-D-2500-2200/1	455080
	2,200	320	K-D-2500-2200/2	455090
	2,200	430	K-D-2500-2200/3	455100
	2,200	530	K-D-2500-2200/4	455110
	2,200	640	K-D-2500-2200/5	455120
	2,200	750	K-D-2500-2200/6	455130
	2,200	860	K-D-2500-2200/7	455140
3,100	2,700	270	K-D-2500-2700/3	455150
	2,700	410	K-D-2500-2700/5	455160
	2,700	540	K-D-2500-2700/7	455170
	2,700	680	K-D-2500-2700/9	455180
	2,700	820	K-D-2500-2700/11	455190
	1,350	180	K-D-3100-1350/1	455200
	1,350	300	K-D-3100-1350/2	455210
	1,350	400	K-D-3100-1350/3	455220
	1,350	510	K-D-3100-1350/4	455230
	1,350	610	K-D-3100-1350/5	455240
	1,350	720	K-D-3100-1350/6	455250
	1,800	160	K-D-3100-1800/1	455260
	1,800	400	K-D-3100-1800/2	455270
	1,800	540	K-D-3100-1800/3	455280
	1,800	680	K-D-3100-1800/4	455290
	1,800	820	K-D-3100-1800/5	455300
	1,800	960	K-D-3100-1800/6	455310
	2,200	320	K-D-3100-2200/2	455320
	2,200	430	K-D-3100-2200/3	455330
	2,200	530	K-D-3100-2200/4	455340
	2,200	640	K-D-3100-2200/5	455350
	2,200	750	K-D-3100-2200/6	455360
	2,200	860	K-D-3100-2200/7	455370
	2,200	960	K-D-3100-2200/8	455380
	2,200	1,070 *	K-D-3100-2200/9	455390
	2,700	200	K-D-3100-2700/2	455400
	2,700	340	K-D-3100-2700/4	455410
	2,700	480	K-D-3100-2700/6	455420
	2,700	610	K-D-3100-2700/8	455430
	2,700	750	K-D-3100-2700/10	455440
	2,700	890	K-D-3100-2700/12	455450
	2,700	1,020 *	K-D-3100-2700/14	455460

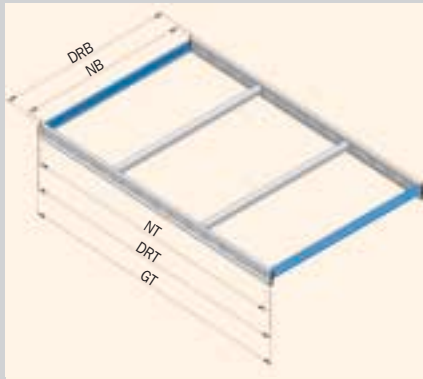
Key to code.:

K-D-2500-1800/3



NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

Flat flow beds, heavy-duty configuration K-SD



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

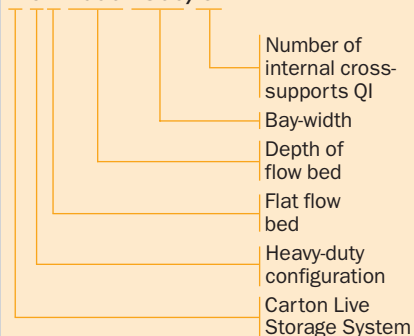
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow beds, heavy-duty configuration K-SD

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	2,200	490	K-SD-1300-2200/1	456370
	2,700	310	K-SD-1300-2700/1	456380
	2,700	470	K-SD-1300-2700/2	456390
	2,700	590	K-SD-1300-2700/3	456400
1,700	2,200	490	K-SD-1700-2200/1	456410
	2,200	730	K-SD-1700-2200/2	456420
	2,700	310	K-SD-1700-2700/1	456430
	2,700	470	K-SD-1700-2700/2	456440
	2,700	630	K-SD-1700-2700/3	456450
	2,700	790	K-SD-1700-2700/4	456460
1,900	2,200	490	K-SD-1900-2200/1	456470
	2,200	730	K-SD-1900-2200/2	456480
	2,700	310	K-SD-1900-2700/1	456490
	2,700	470	K-SD-1900-2700/2	456500
	2,700	630	K-SD-1900-2700/3	456510
	2,700	790	K-SD-1900-2700/4	456520
2,100	2,200	490	K-SD-2100-2200/1	456530
	2,200	730	K-SD-2100-2200/2	456540
	2,700	310	K-SD-2100-2700/1	456550
	2,700	470	K-SD-2100-2700/2	456560
	2,700	630	K-SD-2100-2700/3	456570
	2,700	790	K-SD-2100-2700/4	456580
2,500	2,200	410	K-SD-2500-2200/1	456590
	2,200	630	K-SD-2500-2200/2	456600
	2,200	840	K-SD-2500-2200/3	456610
	2,200	1,060	K-SD-2500-2200/4	456620
	2,700	310	K-SD-2500-2700/1	456630
	2,700	470	K-SD-2500-2700/2	456640
	2,700	630	K-SD-2500-2700/3	456650
	2,700	790	K-SD-2500-2700/4	456660
	2,700	950	K-SD-2500-2700/5	456670
	2,700	1,110	K-SD-2500-2700/6	456680
3,100	2,200	240	K-SD-3100-2200/1	456690
	2,200	500	K-SD-3100-2200/2	456700
	2,200	680	K-SD-3100-2200/3	456710
	2,200	850	K-SD-3100-2200/4	456720
	2,200	1,020 *	K-SD-3100-2200/5	456730
	2,700	470	K-SD-3100-2700/2	456740
	2,700	630	K-SD-3100-2700/3	456750
	2,700	790	K-SD-3100-2700/4	456760
	2,700	910	K-SD-3100-2700/5	456770
	2,700	1,110 *	K-SD-3100-2700/6	456780
	2,700	1,270 *	K-SD-3100-2700/7	456790
	2,700	1,430 *	K-SD-3100-2700/8	456800

Key to code.:

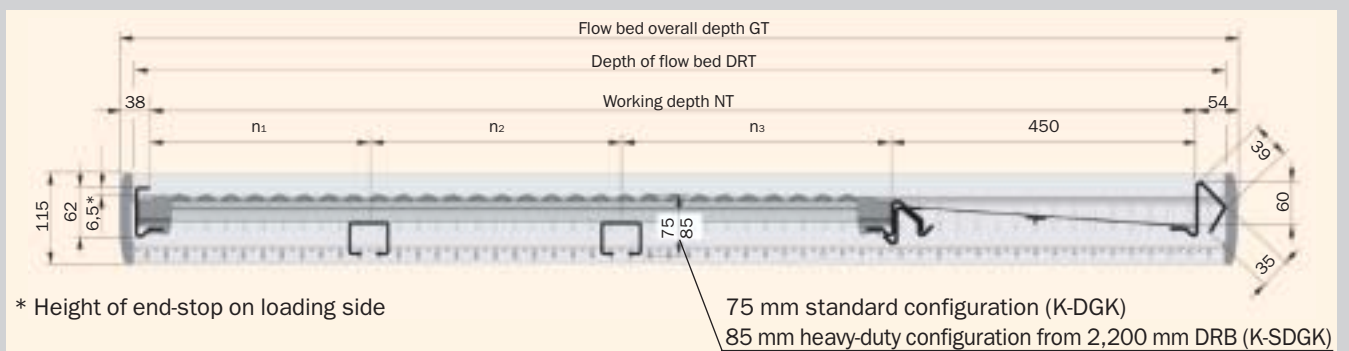
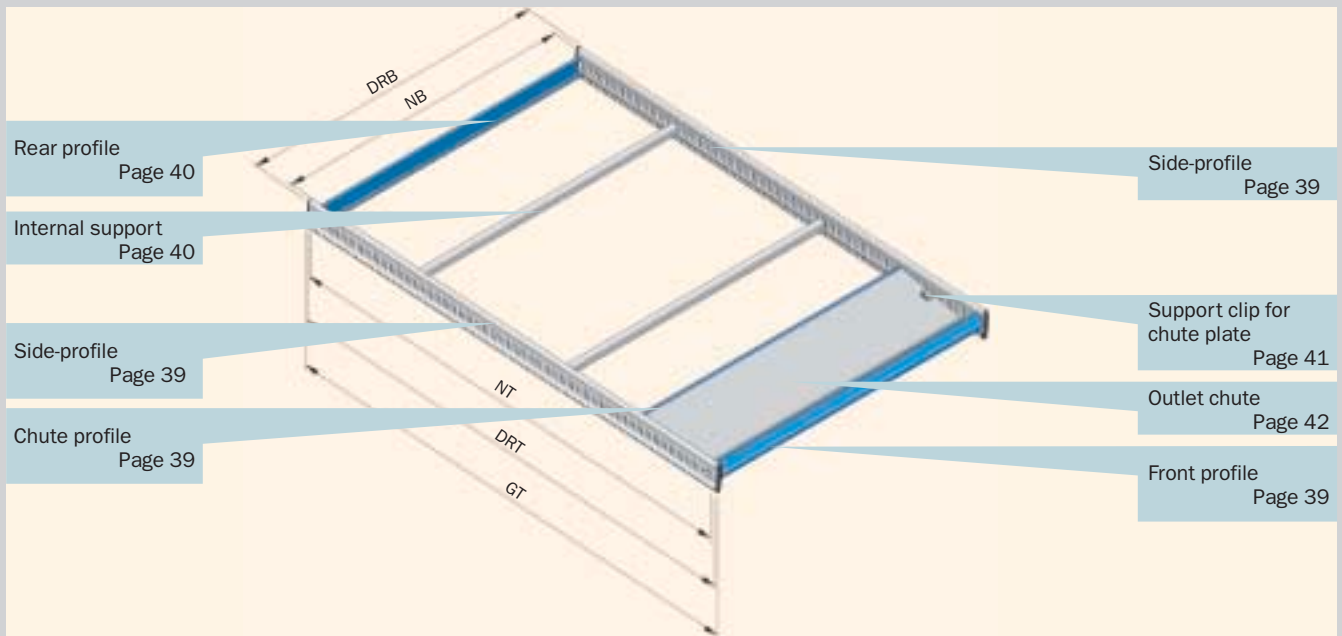
K-SD-2500-1800/3



NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

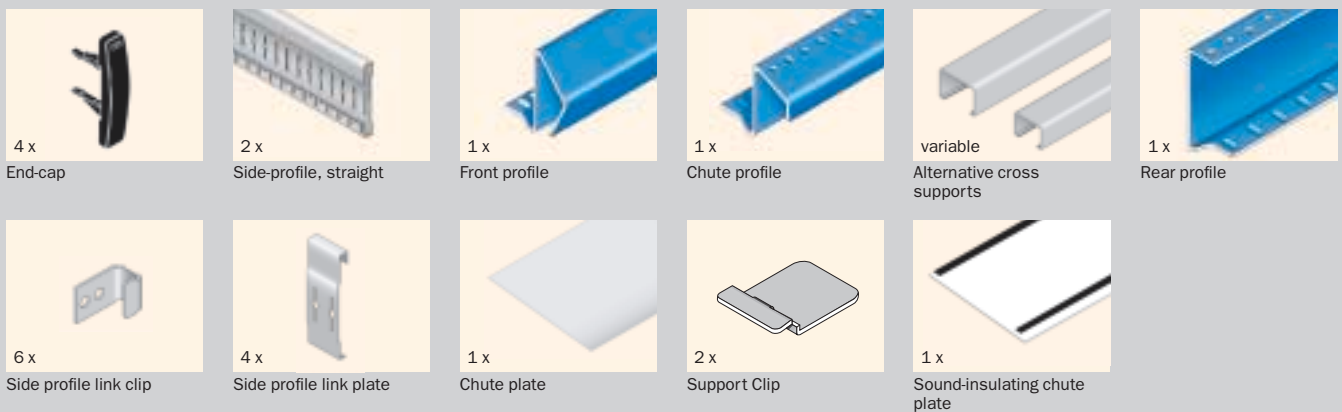
Flat flow bed with front chute

K-DGK and K-S DGK



Flat flow bed with front chute

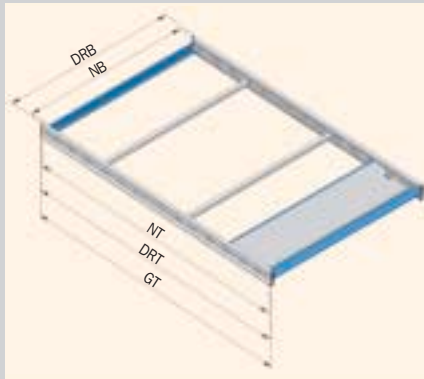
Flow bed consisting of:



NOTE: K-VS2 fixing kit is required for assembling the flow bed.

The following items should also be ordered for the purpose of securing the flow beds:
adjusting clip, anti-tip clip, outer slotted support; inner slotted support if required.

Flat flow bed with front chute K-DGK



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

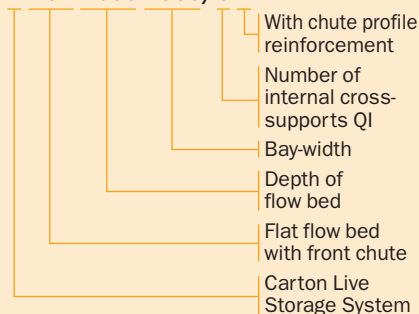
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed with front chute K-DGK

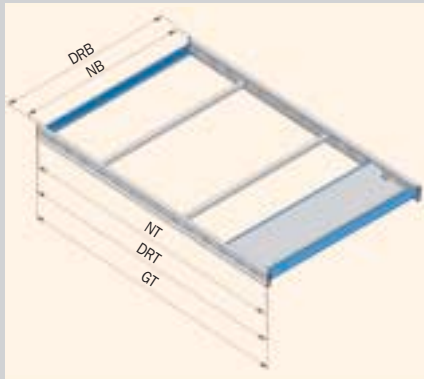
Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	1,350	400	K-DGK-1300-1350/0	455470
	1,800	250	K-DGK-1300-1800/0	455480
	1,800	500	K-DGK-1300-1800/1	455490
	2,200	160	K-DGK-1300-2200/0	455500
	2,200	320	K-DGK-1300-2200/1	455510
	2,200	430	K-DGK-1300-2200/2	455520
	2,200	650	K-DGK-1300-2200/3-V	455530
	2,700	100	K-DGK-1300-2700/0	455540
	2,700	200	K-DGK-1300-2700/1	455550
	2,700	310	K-DGK-1300-2700/2-V	455560
	2,700	410	K-DGK-1300-2700/3-V	455570
1,700	1,350	260	K-DGK-1700-1350/0	455580
	1,350	690	K-DGK-1700-1350/1	455590
	1,800	220	K-DGK-1700-1800/0	455600
	1,800	440	K-DGK-1700-1800/1	455610
	1,800	660	K-DGK-1700-1800/2	455620
	2,200	140	K-DGK-1700-2200/0	455630
	2,200	290	K-DGK-1700-2200/1	455640
	2,200	430	K-DGK-1700-2200/2	455650
	2,200	580	K-DGK-1700-2200/3-V	455660
	2,700	180	K-DGK-1700-2700/1	455670
	2,700	270	K-DGK-1700-2700/2	455680
	2,700	370	K-DGK-1700-2700/3	455690
	2,700	460	K-DGK-1700-2700/4	455700
	2,700	550	K-DGK-1700-2700/5-V	455710
1,900	1,350	180	K-DGK-1900-1350/0	455720
	1,350	570	K-DGK-1900-1350/1	455730
	1,800	210	K-DGK-1900-1800/0	455740
	1,800	420	K-DGK-1900-1800/1	455750
	1,800	640	K-DGK-1900-1800/2	455760
	2,200	140	K-DGK-1900-2200/0	455770
	2,200	280	K-DGK-1900-2200/1	455780
	2,200	420	K-DGK-1900-2200/2	455790
	2,200	560	K-DGK-1900-2200/3	455800
	2,200	700	K-DGK-1900-2200/4-V	455810
	2,700	260	K-DGK-1900-2700/2	455820
	2,700	350	K-DGK-1900-2700/3	455830
	2,700	440	K-DGK-1900-2700/4-V	455840
	2,700	530	K-DGK-1900-2700/5-V	455850
	2,700	620	K-DGK-1900-2700/6-V	455860
2,100	1,350	130	K-DGK-2100-1350/0	455870
	1,350	480	K-DGK-2100-1350/1	455880
	1,800	180	K-DGK-2100-1800/0	455890
	1,800	410	K-DGK-2100-1800/1	455900
	1,800	620	K-DGK-2100-1800/2	455910
	1,800	830	K-DGK-2100-1800/3	455920
	2,200	130	K-DGK-2100-2200/0	455930
	2,200	270	K-DGK-2100-2200/1	455940
	2,200	410	K-DGK-2100-2200/2	455950
	2,200	540	K-DGK-2100-2200/3	455960
	2,200	650	K-DGK-2100-2200/4	455970
	2,200	820	K-DGK-2100-2200/5-V	455980
	2,700	170	K-DGK-2100-2700/1	455990
	2,700	340	K-DGK-2100-2700/3	456000
	2,700	520	K-DGK-2100-2700/5-V	456010
	2,700	690	K-DGK-2100-2700/7-V	456020

Key to code.:

K-DGK-2500-1800/3-V



Flat flow bed with front chute K-DGK



- DRB: Width of flow bed
= bay width - 2 mm
- NB: Working width
= Bay-width - 46 mm
- NT: Working depth = depth of flow bed
DRT - 68 mm
- GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed with front chute K-DGK

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
2,500	1,350	370	K-DGK-2500-1350/1	456030
	1,350	560	K-DGK-2500-1350/2	456040
	1,800	390	K-DGK-2500-1800/1	456050
	1,800	590	K-DGK-2500-1800/2	456060
	1,800	790	K-DGK-2500-1800/3	456070
	2,200	260	K-DGK-2500-2200/1	456080
	2,200	390	K-DGK-2500-2200/2	456090
	2,200	520	K-DGK-2500-2200/3	456100
	2,200	650	K-DGK-2500-2200/4	456110
	2,200	760	K-DGK-2500-2200/5	456120
	2,200	910	K-DGK-2500-2200/6-V	456130
	2,700	160	K-DGK-2500-2700/1	456140
	2,700	330	K-DGK-2500-2700/3	456150
	2,700	480	K-DGK-2500-2700/5	456160
	2,700	660	K-DGK-2500-2700/7-V	456170
	2,700	830	K-DGK-2500-2700/9-V	456180
3,100	1,350	270	K-DGK-3100-1350/1	456190
	1,350	560	K-DGK-3100-1350/3	456200
	1,800	190	K-DGK-3100-1800/1	456210
	1,800	550	K-DGK-3100-1800/2	456220
	1,800	740	K-DGK-3100-1800/3	456230
	1,800	910	K-DGK-3100-1800/4	456240
	2,200	370	K-DGK-3100-2200/2	456250
	2,200	500	K-DGK-3100-2200/3	456260
	2,200	620	K-DGK-3100-2200/4	456270
	2,200	750	K-DGK-3100-2200/5	456280
	2,200	880	K-DGK-3100-2200/6	456290
	2,200	1,000 *	K-DGK-3100-2200/7-V	456300
	2,700	240	K-DGK-3100-2700/2	456310
	2,700	400	K-DGK-3100-2700/4	456320
	2,700	560	K-DGK-3100-2700/6	456330
	2,700	720	K-DGK-3100-2700/8-V	456340
	2,700	880	K-DGK-3100-2700/10-V	456350
	2,700	1,040 *	K-DGK-3100-2700/12-V	456360

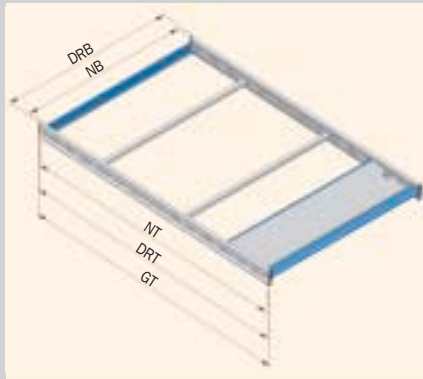
Key to code.:

K-DGK-2500-1800/3-V

With chute profile reinforcement	
Number of internal cross-supports QI	
Bay-width	
Depth of flow bed	
Flat flow bed with front chute	
Carton Live Storage System	

NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

Flat flow bed with front chute, heavy-duty configuration K-S DGK



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

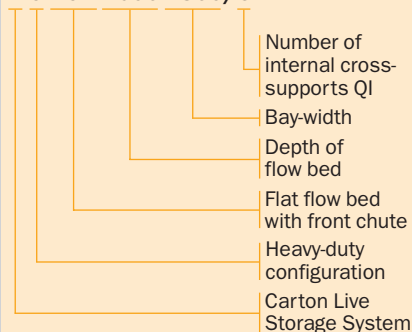
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed with front chute, heavy-duty configuration K-S DGK

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	2,200	370	K-S DGK-1300-2200/0-V	456840
	2,200	750	K-S DGK-1300-2200/1-V	456850
	2,700	240	K-S DGK-1300-2700/0-V	456860
	2,700	480	K-S DGK-1300-2700/1-V	456870
	2,700	670	K-S DGK-1300-2700/2-V	456880
1,700	2,200	330	K-S DGK-1700-2200/0-V	456890
	2,200	660	K-S DGK-1700-2200/1-V	456900
	2,700	210	K-S DGK-1700-2700/0-V	456910
	2,700	430	K-S DGK-1700-2700/1-V	456920
	2,700	650	K-S DGK-1700-2700/2-V	456930
1,900	2,200	840	K-S DGK-1700-2700/3-V	456940
	2,200	310	K-S DGK-1900-2200/0-V	456950
	2,200	640	K-S DGK-1900-2200/1-V	456960
	2,200	960	K-S DGK-1900-2200/2-V	456970
	2,700	200	K-S DGK-1900-2700/0-V	456980
2,100	2,700	410	K-S DGK-1900-2700/1-V	456990
	2,700	620	K-S DGK-1900-2700/2-V	457000
	2,700	830	K-S DGK-1900-2700/3-V	457010
	2,200	230	K-S DGK-2100-2200/0	457020
	2,200	400	K-S DGK-2100-2200/1	457030
2,500	2,200	620	K-S DGK-2100-2200/1-V	457040
	2,200	930	K-S DGK-2100-2200/2-V	457050
	2,700	200	K-S DGK-2100-2700/0-V	457060
	2,700	400	K-S DGK-2100-2700/1-V	457070
	2,700	600	K-S DGK-2100-2700/2-V	457080
3,100	2,700	810	K-S DGK-2100-2700/3-V	457090
	2,700	1,010	K-S DGK-2100-2700/4-V	457100
	2,200	410	K-S DGK-2500-2200/1	457110
	2,200	600	K-S DGK-2500-2200/1-V	457120
	2,200	900	K-S DGK-2500-2200/2-V	457130
3,100	2,700	260	K-S DGK-2500-2700/1	457140
	2,700	380	K-S DGK-2500-2700/1-V	457150
	2,700	580	K-S DGK-2500-2700/2-V	457160
	2,700	770	K-S DGK-2500-2700/3-V	457170
	2,700	970	K-S DGK-2500-2700/4-V	457180
3,100	2,700	1,140	K-S DGK-2500-2700/5-V	457190
	2,200	280	K-S DGK-3100-2200/1	457200
	2,200	560	K-S DGK-3100-2200/2	457210
	2,200	690	K-S DGK-3100-2200/2-V	457220
	2,200	910	K-S DGK-3100-2200/3-V	457230
3,100	2,200	1,170 *	K-S DGK-3100-2200/4-V	457240
	2,700	180	K-S DGK-3100-2700/1	457250
	2,700	350	K-S DGK-3100-2700/2	457260
	2,700	560	K-S DGK-3100-2700/2-V	457270
	2,700	740	K-S DGK-3100-2700/3-V	457280
3,100	2,700	910	K-S DGK-3100-2700/4-V	457290
	2,700	1,120 *	K-S DGK-3100-2700/5-V	457300
	2,700	1,300 *	K-S DGK-3100-2700/6-V	457310

Key to code.:

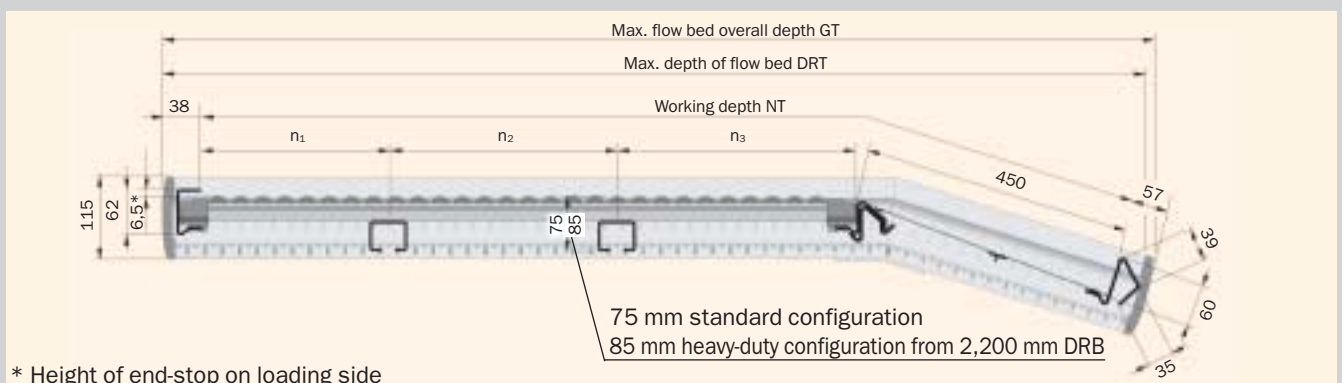
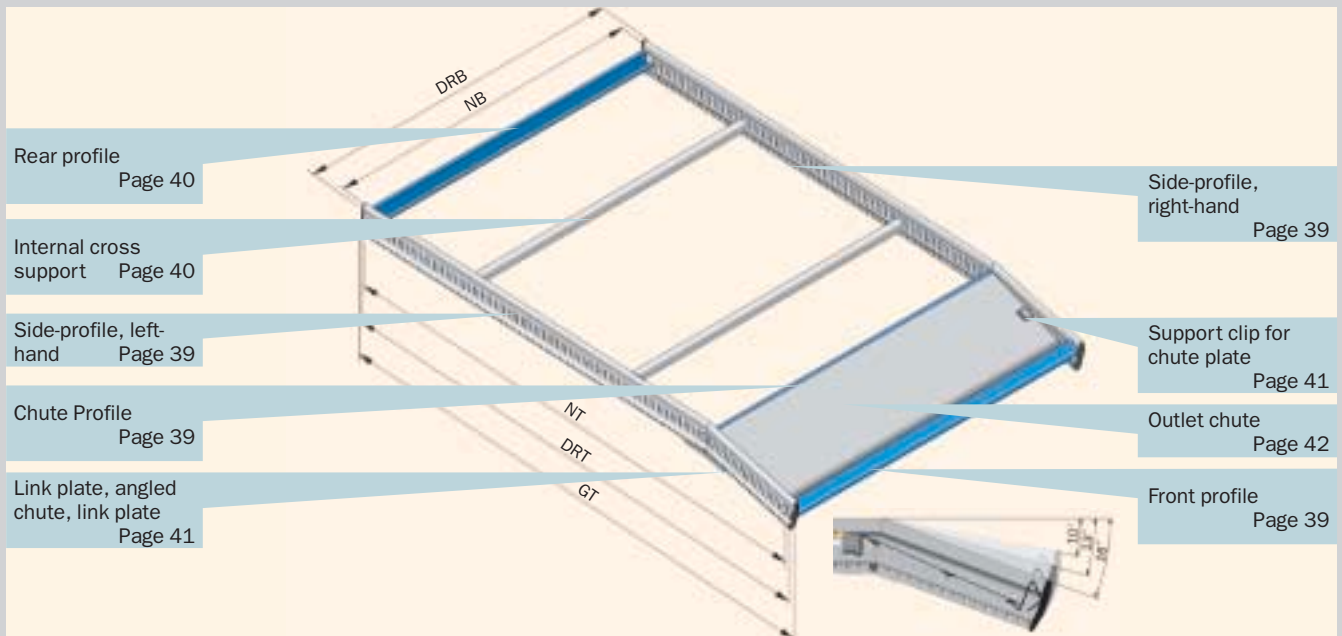
K-S DGK-2500-1800/3



NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

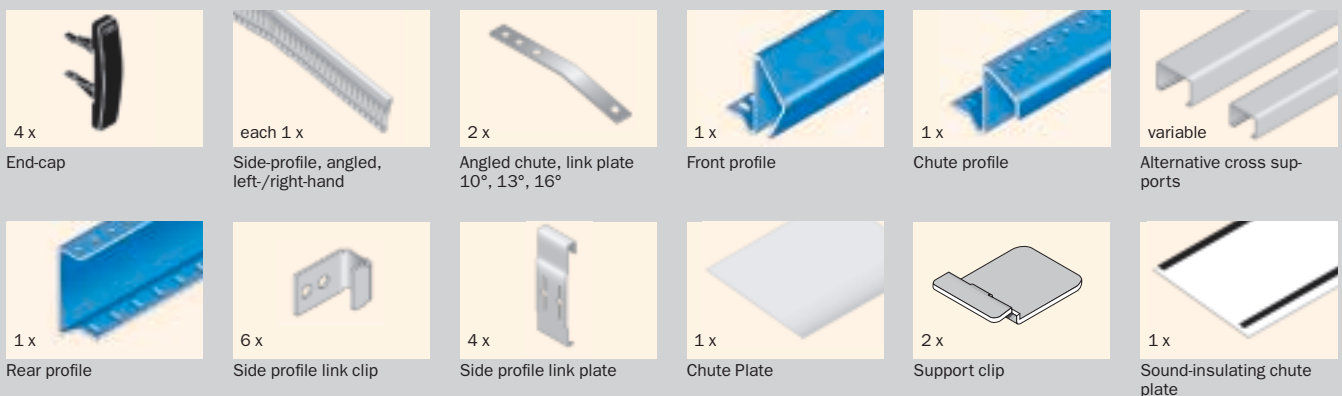
Flow bed with angled front chute

K-DK and K-SDK



Standard Flow bed with angled front chute

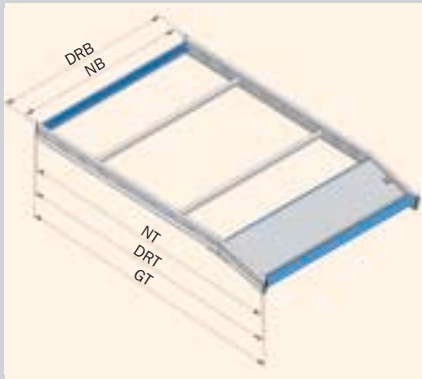
Flow bed consisting of:



NOTE: K-VS3 fixing kit is required for assembling the flow bed.

The following items should also be ordered for the purpose of securing the flow beds:
adjusting clip, anti-tip clip, outer slotted support; inner slotted support if required.

Flow beds with angled front chute K-DK



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

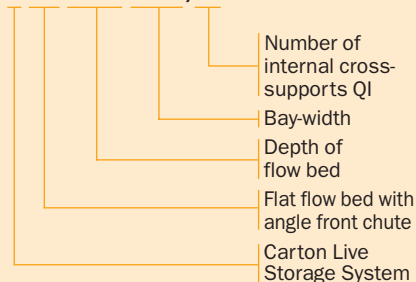
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flow bed with angled front chute K-DK

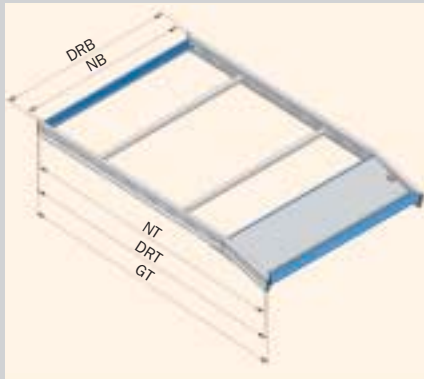
Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	1,350	400	K-DK-1300-1350/0	453780
	1,800	250	K-DK-1300-1800/0	453790
	1,800	500	K-DK-1300-1800/1	453800
	2,200	160	K-DK-1300-2200/0	453810
	2,200	320	K-DK-1300-2200/1	453820
	2,200	430	K-DK-1300-2200/2	453830
	2,200	650	K-DK-1300-2200/3-V	453840
	2,700	100	K-DK-1300-2700/0	453850
	2,700	200	K-DK-1300-2700/1	453860
	2,700	310	K-DK-1300-2700/2-V	453870
	2,700	410	K-DK-1300-2700/3-V	453880
1,700	1,350	260	K-DK-1700-1350/0	453890
	1,350	690	K-DK-1700-1350/1	453900
	1,800	220	K-DK-1700-1800/0	453910
	1,800	440	K-DK-1700-1800/1	453920
	1,800	660	K-DK-1700-1800/2	453930
	2,200	140	K-DK-1700-2200/0	453940
	2,200	290	K-DK-1700-2200/1	453950
	2,200	430	K-DK-1700-2200/2	453960
	2,200	580	K-DK-1700-2200/3-V	453970
	2,700	180	K-DK-1700-2700/1	453980
	2,700	270	K-DK-1700-2700/2	453990
	2,700	370	K-DK-1700-2700/3	454000
	2,700	460	K-DK-1700-2700/4	454010
	2,700	550	K-DK-1700-2700/5-V	454020
1,900	1,350	180	K-DK-1900-1350/0	454030
	1,350	570	K-DK-1900-1350/1	454040
	1,800	210	K-DK-1900-1800/0	454050
	1,800	420	K-DK-1900-1800/1	454060
	1,800	640	K-DK-1900-1800/2	454070
	2,200	140	K-DK-1900-2200/0	454080
	2,200	280	K-DK-1900-2200/1	454090
	2,200	420	K-DK-1900-2200/2	454100
	2,200	560	K-DK-1900-2200/3	454110
	2,200	700	K-DK-1900-2200/4-V	454120
	2,700	260	K-DK-1900-2700/2	454130
	2,700	350	K-DK-1900-2700/3	454140
	2,700	440	K-DK-1900-2700/4-V	454150
	2,700	530	K-DK-1900-2700/5-V	454160
	2,700	620	K-DK-1900-2700/6-V	454170
2,100	1,350	130	K-DK-2100-1350/0	454180
	1,350	480	K-DK-2100-1350/1	454190
	1,800	180	K-DK-2100-1800/0	454200
	1,800	410	K-DK-2100-1800/1	454210
	1,800	620	K-DK-2100-1800/2	454220
	1,800	830	K-DK-2100-1800/3	454230
	2,200	130	K-DK-2100-2200/0	454240
	2,200	270	K-DK-2100-2200/1	454250
	2,200	410	K-DK-2100-2200/2	454260
	2,200	540	K-DK-2100-2200/3	454270
	2,200	650	K-DK-2100-2200/4	454280
	2,200	820	K-DK-2100-2200/5-V	454290
	2,700	170	K-DK-2100-2700/1	454300
	2,700	340	K-DK-2100-2700/3	454310
	2,700	520	K-DK-2100-2700/5-V	454320
	2,700	690	K-DK-2100-2700/7-V	454330

Key to code.:

K-DK-2500-1800/3



Flow bed with angled front chute K-DK



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

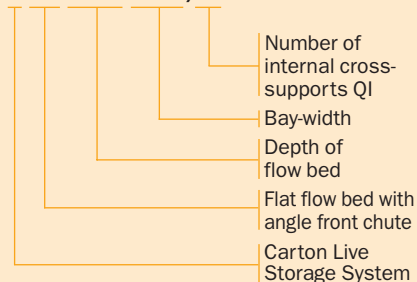
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flow bed with angled front chute K-DK

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
2,500	1,350	370	K-DK-2500-1350/1	454340
	1,350	560	K-DK-2500-1350/2	454350
	1,800	390	K-DK-2500-1800/1	454360
	1,800	590	K-DK-2500-1800/2	454370
	1,800	790	K-DK-2500-1800/3	454380
	2,200	260	K-DK-2500-2200/1	454390
	2,200	390	K-DK-2500-2200/2	454400
	2,200	520	K-DK-2500-2200/3	454410
	2,200	650	K-DK-2500-2200/4	454420
	2,200	760	K-DK-2500-2200/5	454430
	2,200	910	K-DK-2500-2200/6-V	454440
	2,700	160	K-DK-2500-2700/1	454450
	2,700	330	K-DK-2500-2700/3	454460
	2,700	480	K-DK-2500-2700/5	454470
	2,700	660	K-DK-2500-2700/7-V	454480
	2,700	830	K-DK-2500-2700/9-V	454490
3,100	1,350	270	K-DK-3100-1350/1	454500
	1,350	560	K-DK-3100-1350/3	454510
	1,800	190	K-DK-3100-1800/1	454520
	1,800	550	K-DK-3100-1800/2	454530
	1,800	740	K-DK-3100-1800/3	454540
	1,800	910	K-DK-3100-1800/4	454550
	2,200	370	K-DK-3100-2200/2	454560
	2,200	500	K-DK-3100-2200/3	454570
	2,200	620	K-DK-3100-2200/4	454580
	2,200	750	K-DK-3100-2200/5	454590
	2,200	880	K-DK-3100-2200/6	454600
	2,200	1,000 *	K-DK-3100-2200/7-V	454610
	2,700	240	K-DK-3100-2700/2	454620
	2,700	400	K-DK-3100-2700/4	454630
	2,700	560	K-DK-3100-2700/6	454640
	2,700	720	K-DK-3100-2700/8-V	454650
	2,700	880	K-DK-3100-2700/10-V	454660
	2,700	1,040 *	K-DK-3100-2700/12-V	454670

Key to code.:

K-DK-2500-1800/3



NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

Flow bed with angled front chute, heavy duty configuration K-S DK



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 68 mm

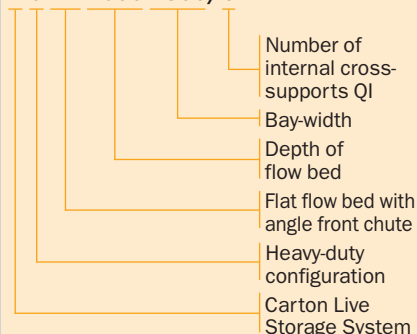
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flow bed with angled front chute, heavy-duty configuration K-S DK

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	2,200	370	K-S DK-1300-2200/0-V	457350
	2,200	750	K-S DK-1300-2200/1-V	457360
	2,700	240	K-S DK-1300-2700/0-V	457370
	2,700	480	K-S DK-1300-2700/1-V	457380
	2,700	670	K-S DK-1300-2700/2-V	457390
1,700	2,200	330	K-S DK-1700-2200/0-V	457400
	2,200	660	K-S DK-1700-2200/1-V	457410
	2,700	210	K-S DK-1700-2700/0-V	457420
	2,700	430	K-S DK-1700-2700/1-V	457430
	2,700	650	K-S DK-1700-2700/2-V	457440
1,900	2,200	840	K-S DK-1700-2700/3-V	457450
	2,200	310	K-S DK-1900-2200/0-V	457460
	2,200	640	K-S DK-1900-2200/1-V	457470
	2,200	960	K-S DK-1900-2200/2-V	457480
	2,700	200	K-S DK-1900-2700/0-V	457490
2,100	2,700	410	K-S DK-1900-2700/1-V	457500
	2,700	620	K-S DK-1900-2700/2-V	457510
	2,700	830	K-S DK-1900-2700/3-V	457520
	2,200	230	K-S DK-2100-2200/0	457530
	2,200	400	K-S DK-2100-2200/1	457540
2,500	2,200	620	K-S DK-2100-2200/1-V	457550
	2,200	930	K-S DK-2100-2200/2-V	457560
	2,700	200	K-S DK-2100-2700/0-V	457570
	2,700	400	K-S DK-2100-2700/1-V	457580
	2,700	600	K-S DK-2100-2700/2-V	457590
3,100	2,700	810	K-S DK-2100-2700/3-V	457600
	2,700	1,010	K-S DK-2100-2700/4-V	457610
	2,200	410	K-S DK-2500-2200/1	457620
	2,200	600	K-S DK-2500-2200/1-V	457630
	2,200	900	K-S DK-2500-2200/2-V	457640
3,100	2,700	260	K-S DK-2500-2700/1	457650
	2,700	380	K-S DK-2500-2700/1-V	457660
	2,700	580	K-S DK-2500-2700/2-V	457670
	2,700	770	K-S DK-2500-2700/3-V	457680
	2,700	970	K-S DK-2500-2700/4-V	457690
3,100	2,700	1,140	K-S DK-2500-2700/5-V	457700
	2,200	280	K-S DK-3100-2200/1	457710
	2,200	560	K-S DK-3100-2200/2	457720
	2,200	690	K-S DK-3100-2200/2-V	457730
	2,200	910	K-S DK-3100-2200/3-V	457740
3,100	2,200	1,170 *	K-S DK-3100-2200/4-V	457750
	2,700	180	K-S DK-3100-2700/1	457760
	2,700	350	K-S DK-3100-2700/2	457770
	2,700	560	K-S DK-3100-2700/2-V	457780
	2,700	740	K-S DK-3100-2700/3-V	457790
3,100	2,700	910	K-S DK-3100-2700/4-V	457800
	2,700	1,120 *	K-S DK-3100-2700/5-V	457810
	2,700	1,300 *	K-S DK-3100-2700/6-V	457820

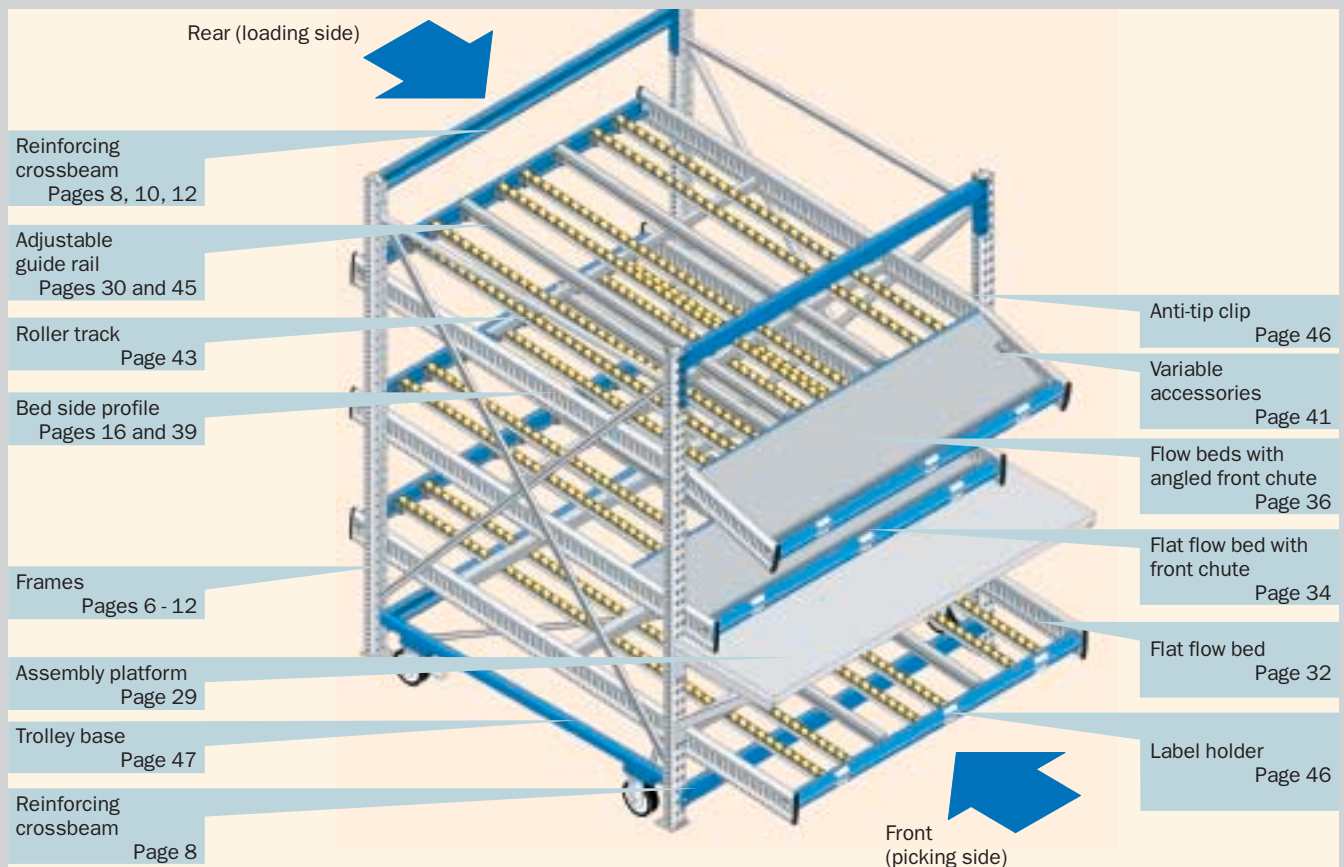
Key to code.:

K-S DK-2500-1800/3



NOTE: The flow beds marked * must also be supported on the inside by means of an additional adjusting clip (pages 14 and 42).

Carton Live Storage KDR – the system for KLT containers



Flat flow bed



Flat flow bed with front chute



Flow bed with angled front chute



Front profile



Chute profile



Cross support



Rear profile KLT



Roller track with spring clip and retainer clip



Adjustable guide rail



Anti-tip clip



End-cap



Trolley base on application

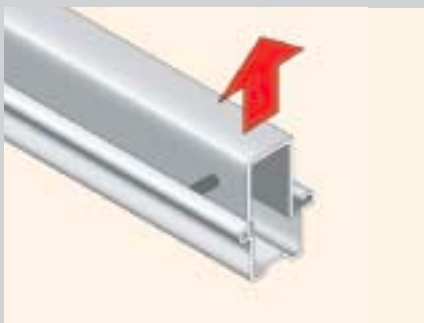
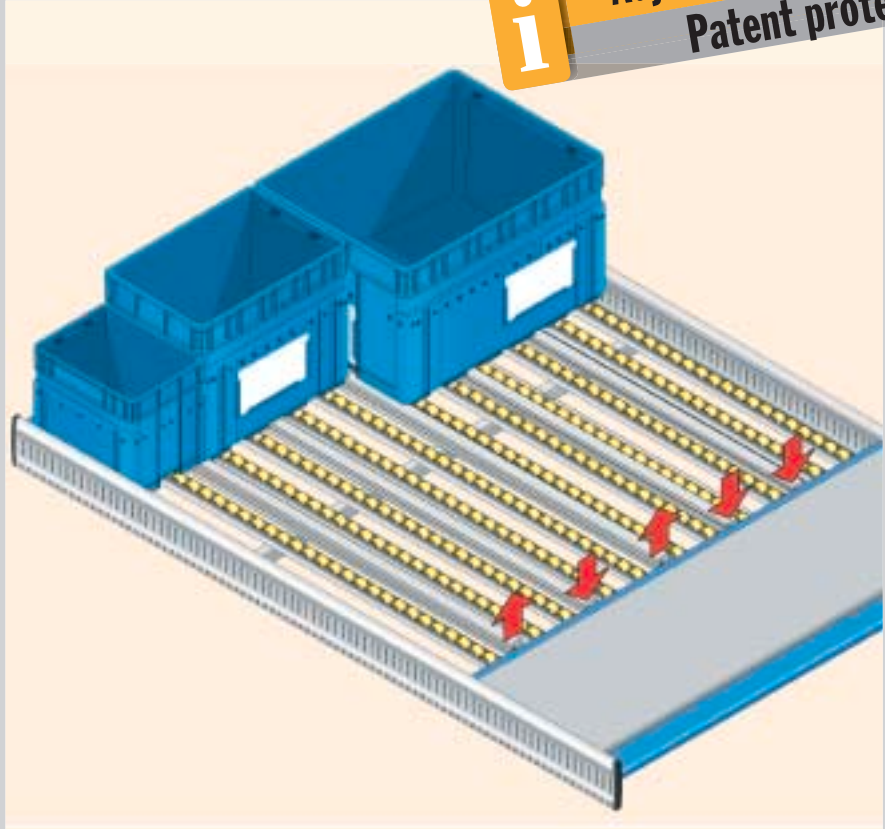


Assembly shelf on application

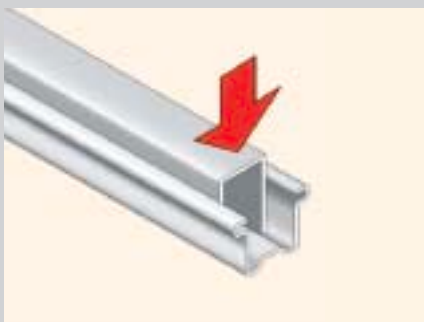
KLT flow bed with adjustable guide rails, flexible and efficient

- Regardless of container size, or whether storage is lengthways or widthways, the lane width is right; with no need to adjust the roller tracks or guide rails
- Matched shelf dimensions for all sizes of KLT container
- Slot-in system permits easy assembly and adjustment
- Can be used – without any need for conversion – as a conventional flow bed
- Size-matched system profile sections prevent the bottom of the container from catching
- Angle- and height-adjustment in increments of 6.25 mm
- Adjustment of ergonomic pick face without depth restrictions
- Flow beds with anti-tip clips
- Spring clip for roller track
- Roller track can also be supplied with steel axle
- Adjustable guide rail

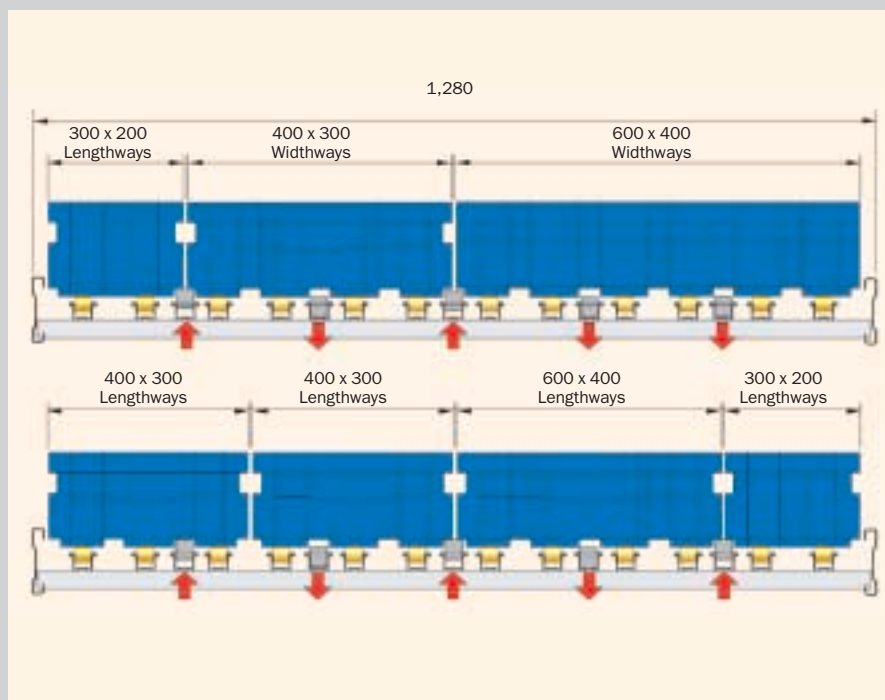
i Adjustable guide rails
Patent protected



Guide rail raised



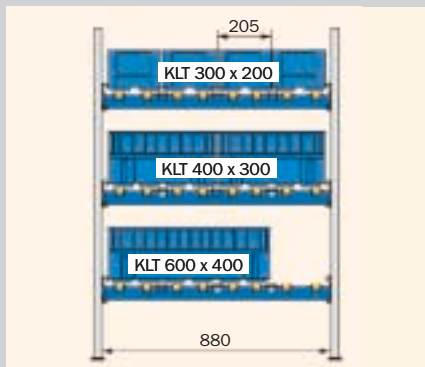
Guide rail lowered



Example for bay-width 1,280 mm

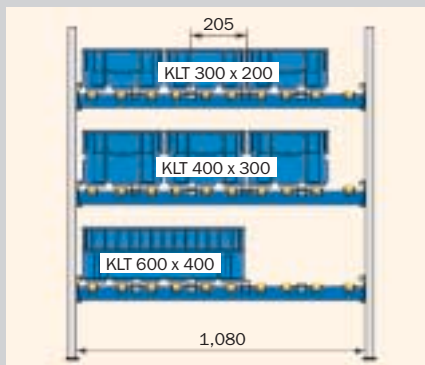
Sample configurations for KLT flow beds

Containers of different sizes can be mixed on the same level by raising and lowering the guide rails accordingly.



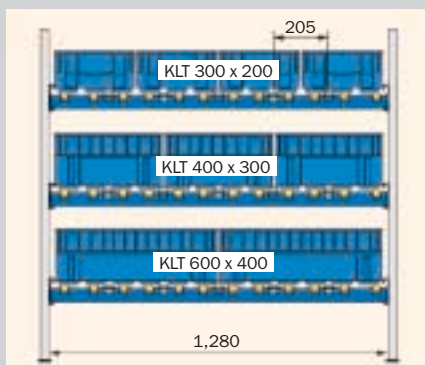
Bay-width 880 mm

Container type	Number of lanes	Lane width mm	Number		Container loading width mm
			Roller tracks	Guide rails	
KLT 300 x 200	4	205	8	3	200
KLT 400 x 300	4	205	8	3	400
KLT 600 x 400	4	205	8	3	600



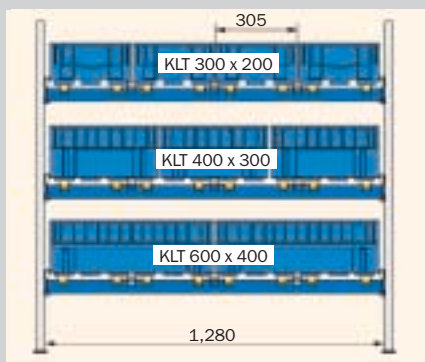
Bay-width 1,080 mm

Container type	Number of lanes	Lane width mm	Number		Container loading width mm
			Roller tracks	Guide rails	
KLT 300 x 200	5	205	10	4	300
KLT 400 x 300	5	205	10	4	300
KLT 600 x 400	5	205	10	4	600



Bay-width 1,280 mm

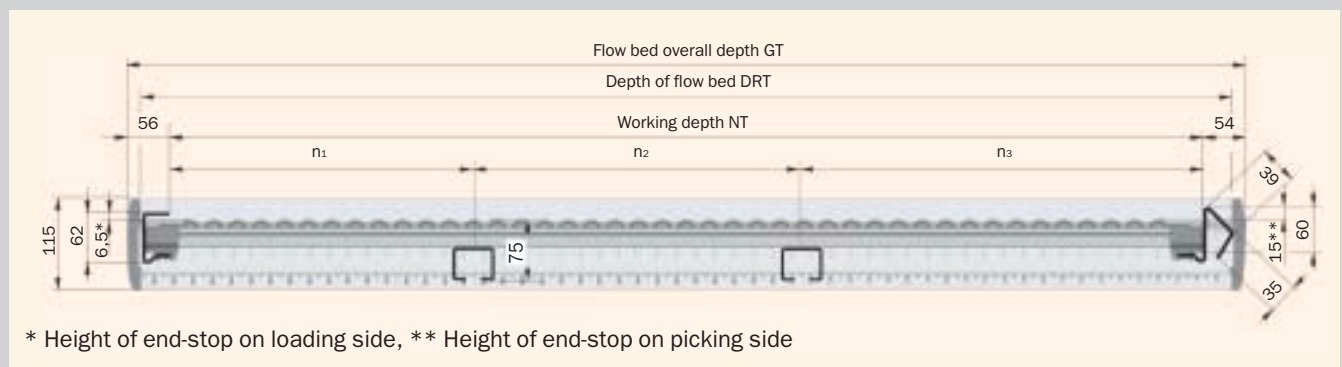
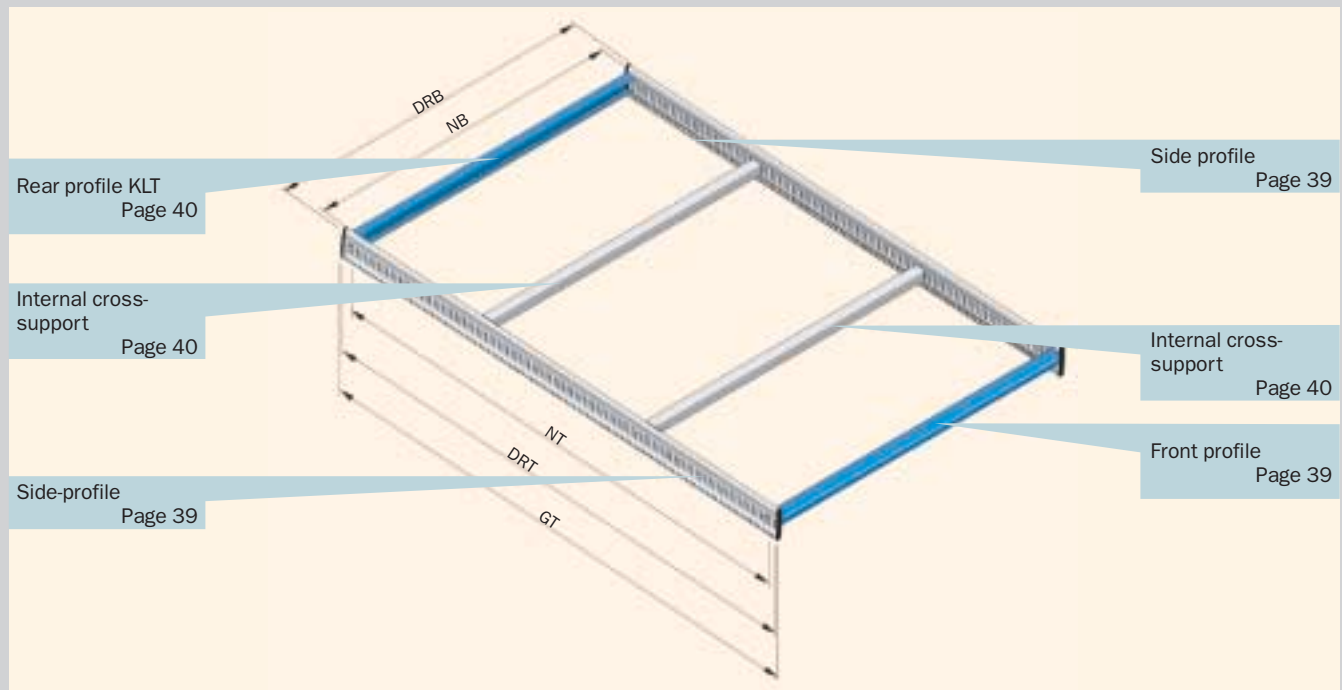
Container type	Number of lanes	Lane width mm	Number		Container loading width mm
			Roller tracks	Guide rails	
KLT 300 x 200	6	205	12	5	300
KLT 400 x 300	6	205	12	5	400
KLT 600 x 400	6	205	12	5	600



Bay-width 1,280 mm

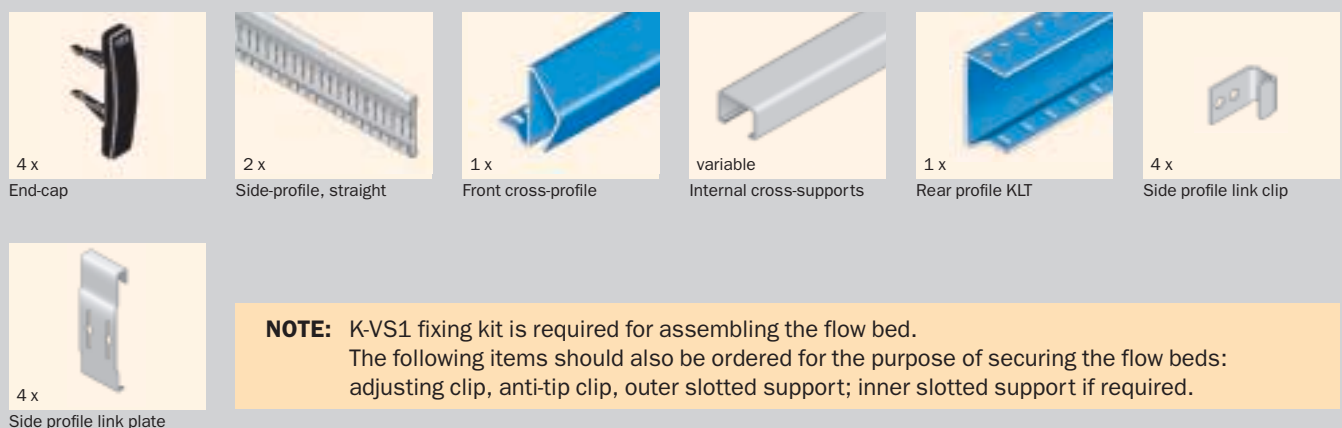
Container type	Number of lanes	Lane width mm	Number		Container loading width mm
			Roller tracks	Guide rails	
KLT 300 x 200	4	305	8	3	300
KLT 400 x 300	4	305	8	3	400
KLT 600 x 400	4	305	8	3	600

Flat flow beds K-D KLT for KLT containers

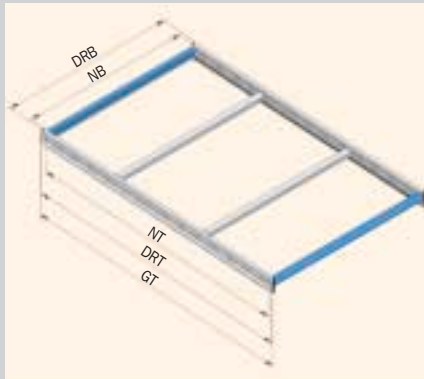


Standard flat flow bed

Standard flat flow bed consisting of



Flat flow beds K-D KLT for KLT containers



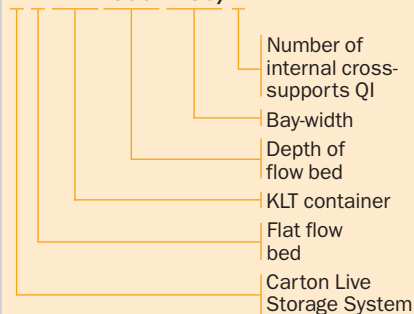
- DRB: Width of flow bed
= bay width - 2 mm
- NB: Working width
= Bay-width - 46 mm
- NT: Working depth = depth of flow bed
DRT - 86 mm
- GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed K-D KLT

Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	880	250	K-D KLT-1300-0880/0	454830
	1,080	200	K-D KLT-1300-1080/0	454840
	1,280	180	K-D KLT-1300-1280/0	454850
	1,280	480	K-D KLT-1300-1280/1	454860
1,700	880	300	K-D KLT-1700-0880/1	454870
	1,080	300	K-D KLT-1700-1080/1	454880
	1,280	300	K-D KLT-1700-1280/1	454890
1,900	880	300	K-D KLT-1900-0880/1	454900
	1,080	250	K-D KLT-1900-1080/1	454910
	1,280	300	K-D KLT-1900-1280/1	454920
	1,280	490	K-D KLT-1900-1280/2	454930
2,100	880	200	K-D KLT-2100-0880/1	454940
	1,080	200	K-D KLT-2100-1080/1	454950
	1,080	400	K-D KLT-2100-1080/2	454960
	1,280	300	K-D KLT-2100-1280/1	454970
	1,280	400	K-D KLT-2100-1280/2	454980
	1,280	600	K-D KLT-2100-1280/3	454990

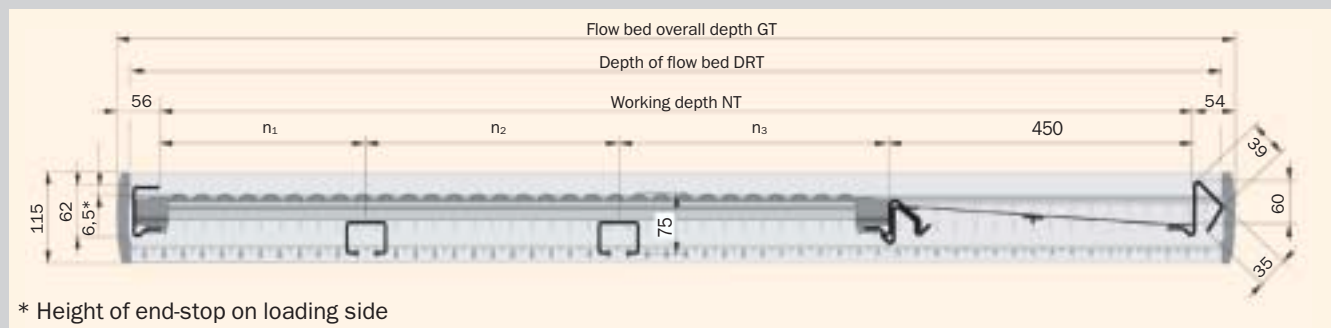
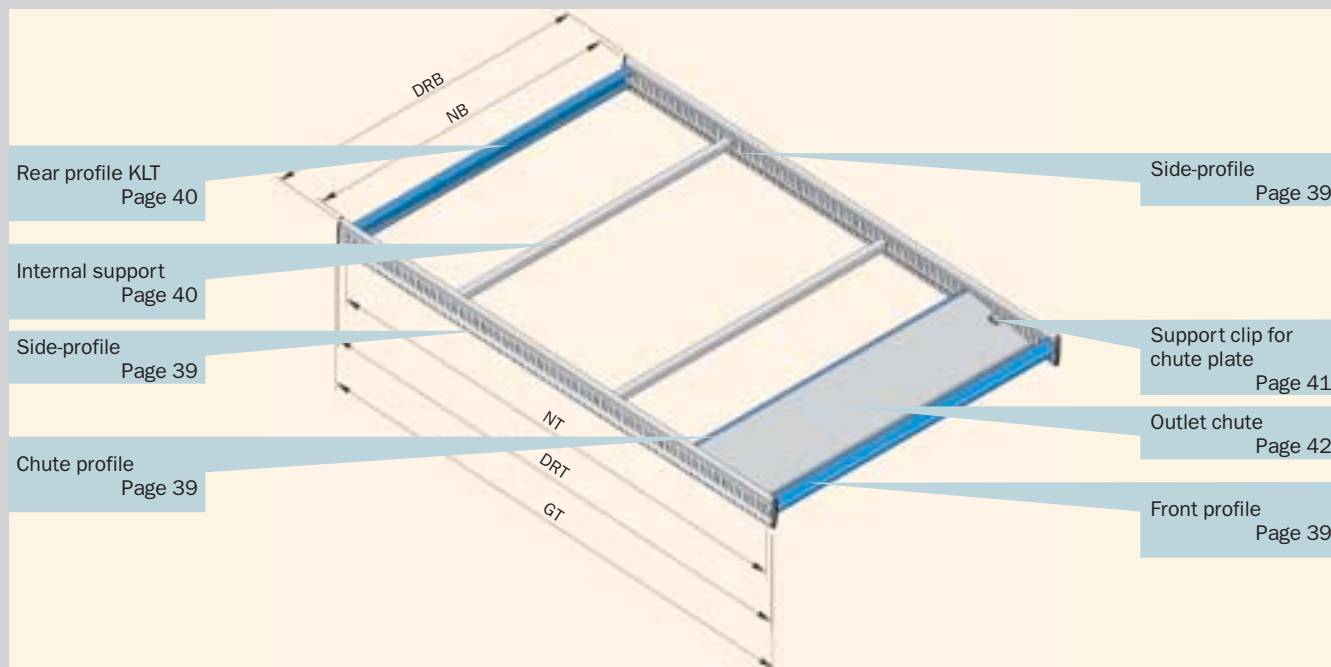
Key to code.:

K-D KLT-1300-1280/2



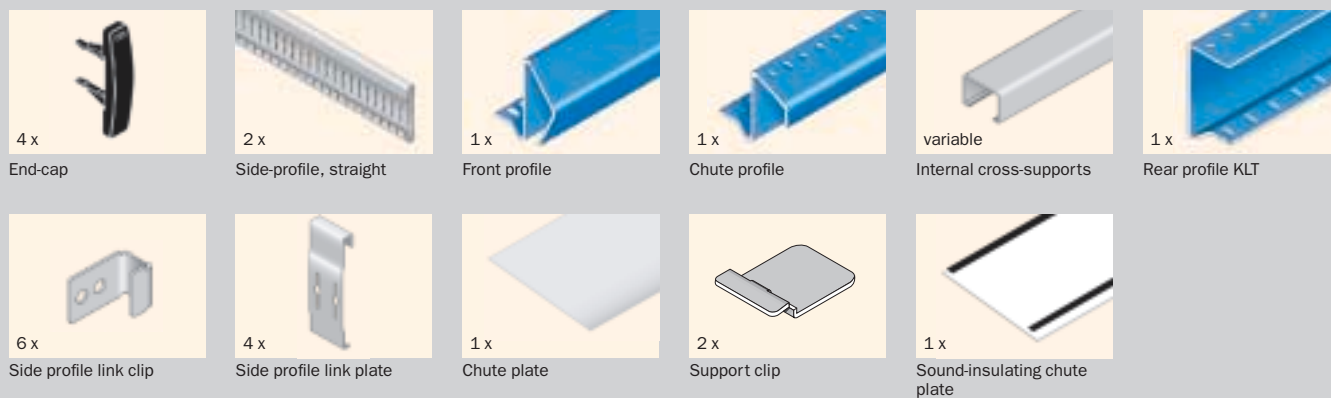
Flat flow bed with front chute

K-DGK KLT for KLT containers



Standard flat flow bed with front chute

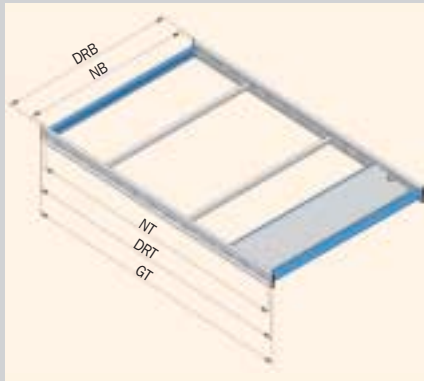
Flow bed consisting of:



NOTE: K-VS2 fixing kit is required for assembling the flow bed.

The following items should also be ordered for the purpose of securing the flow beds:
adjusting clip, anti-tip clip, outer slotted support; inner slotted support if required.

Flat flow bed with front chute K-DGK KLT for KLT containers



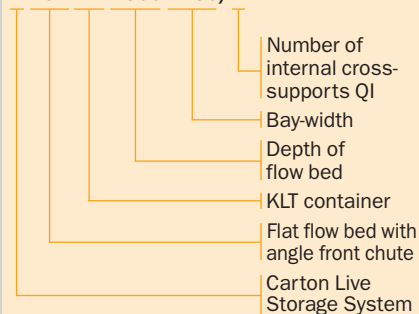
- DRB: Width of flow bed
= bay width - 2 mm
- NB: Working width
= Bay-width - 46 mm
- NT: Working depth = depth of flow bed
DRT - 86 mm
- GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flat flow bed with front chute K-DGK KLT

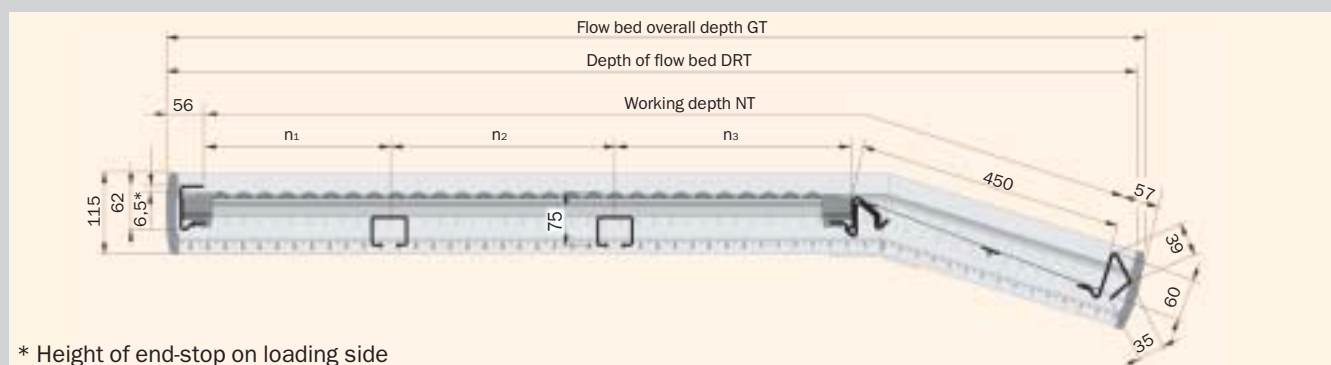
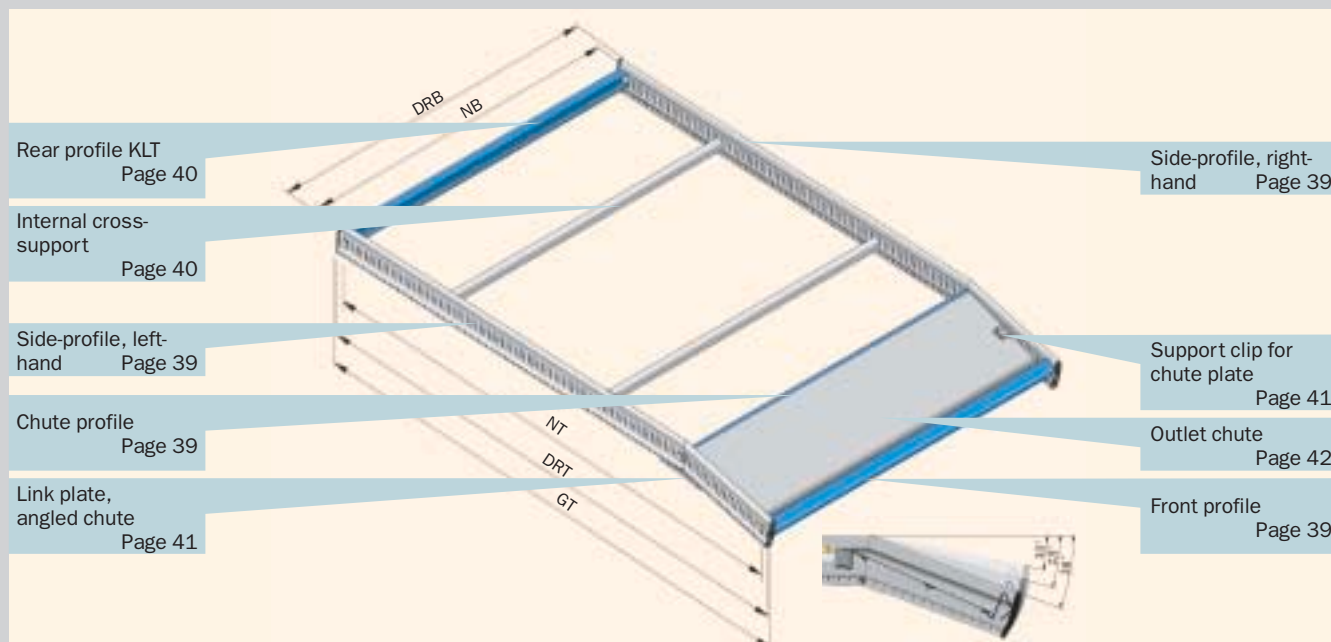
Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	880	250	K-DGK KLT-1300-0880/0	453630
	1,080	200	K-DGK KLT-1300-1080/0	453640
	1,280	300	K-DGK KLT-1300-1280/0	453650
1,700	880	200	K-DGK KLT-1700-0880/0	453660
	1,080	250	K-DGK KLT-1700-1080/0	453670
	1,280	250	K-DGK KLT-1700-1280/0	453680
	1,280	500	K-DGK KLT-1700-1280/1	453690
1,900	880	300	K-DGK KLT-1900-0880/1	453700
	1,080	350	K-DGK KLT-1900-1080/1	453710
	1,280	400	K-DGK KLT-1900-1280/1	453720
	1,280	600	K-DGK KLT-1900-1280/2	453730
2,100	880	350	K-DGK KLT-2100-0880/1	453740
	1,080	400	K-DGK KLT-2100-1080/1	453750
	1,280	450	K-DGK KLT-2100-1280/1	453760
	1,280	650	K-DGK KLT-2100-1280/2	453770

Key to code.:

K-DGK KLT-1300-1280/1

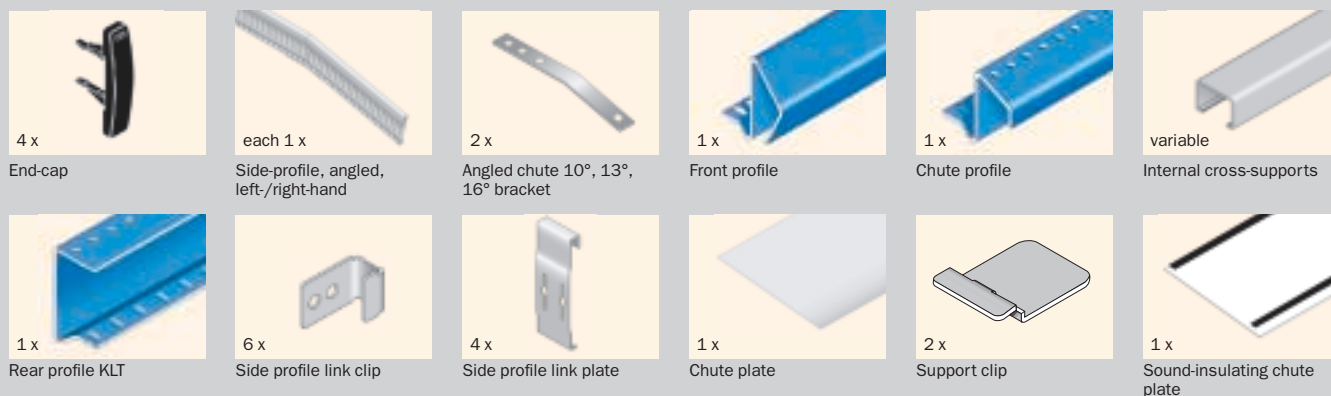


Flow bed with angled front chute K-DK KLT for KLT containers



Standard flow bed with angled front chute

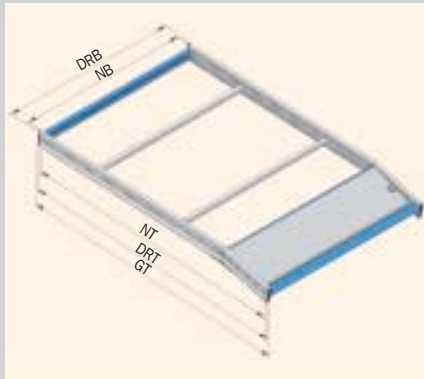
Flow bed consisting of:



NOTE: K-VS3 fixing kit is required for assembling the flow bed.

The following items should also be ordered for the purpose of securing the flow beds:
adjusting clip, anti-tip clip, outer slotted support; inner slotted support if required.

Flow bed with angled front chute K-DK KLT for KLT containers



DRB: Width of flow bed
= bay width - 2 mm

NB: Working width
= Bay-width - 46 mm

NT: Working depth = depth of flow bed
DRT - 86 mm

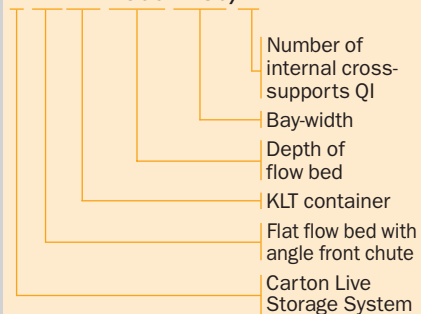
GT: Overall depth of flow bed
= depth of flow bed DRT
+ 24 mm

Complete flow bed with angled front chute K-DK KLT

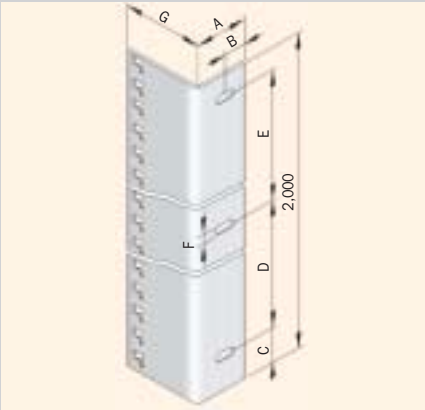
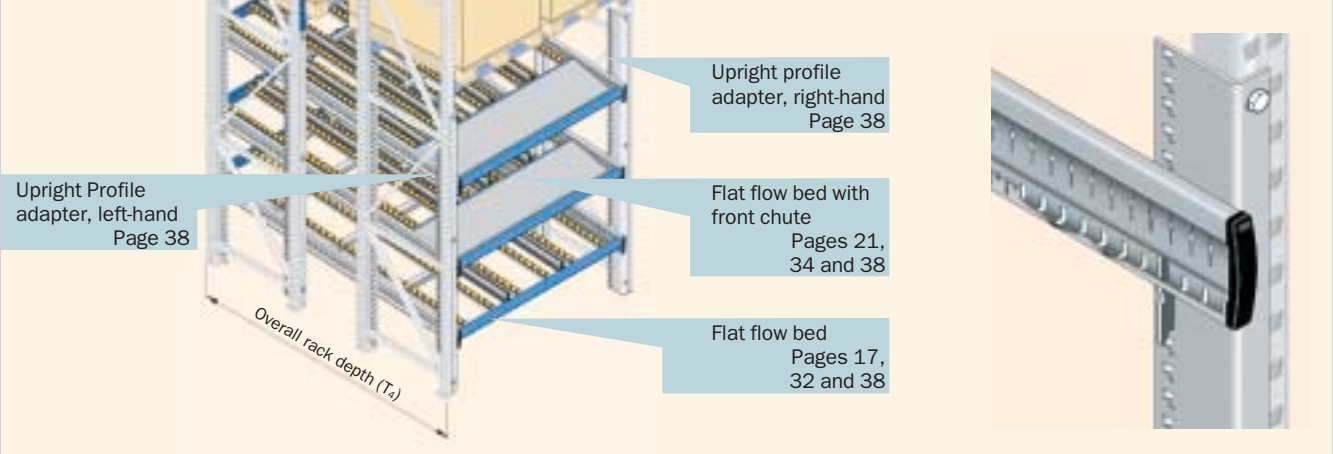
Depth of flow bed (DRT) mm	Bay-width mm	Load daN	Ref. no	Code
1,300	880	250	K-DK KLT-1300-0880/0	454680
	1,080	200	K-DK KLT-1300-1080/0	454690
	1,280	300	K-DK KLT-1300-1280/0	454700
1,700	880	200	K-DK KLT-1700-0880/0	454710
	1,080	250	K-DK KLT-1700-1080/0	454720
	1,280	250	K-DK KLT-1700-1280/0	454730
	1,280	500	K-DK KLT-1700-1280/1	454740
1,900	880	300	K-DK KLT-1900-0880/1	454750
	1,080	350	K-DK KLT-1900-1080/1	454760
	1,280	400	K-DK KLT-1900-1280/1	454770
	1,280	600	K-DK KLT-1900-1280/2	454780
2,100	880	350	K-DK KLT-2100-0880/1	454790
	1,080	400	K-DK KLT-2100-1080/1	454800
	1,280	450	K-DK KLT-2100-1280/1	454810
	1,280	650	K-DK KLT-2100-1280/2	454820

Key to code.:

K-DK KLT-1300-1280/1



Incorporating KDR live storage flow beds into existing pallet racking



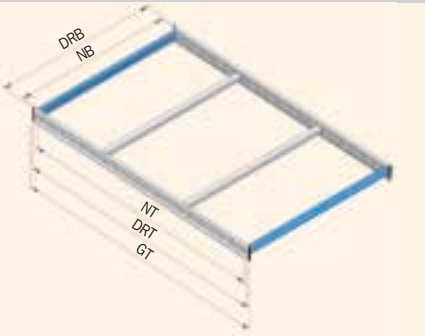
Fit KDR flow beds to your existing pallet racking to obtain all the operating advantages of a live storage system:

- Shorter routing and time savings
- Improved ergonomics and faster access
- Comprehensive product range
- Automatic stock tracking
- First-In-First-Out
- Separate loading procedures and order handling

Upright profile adapters

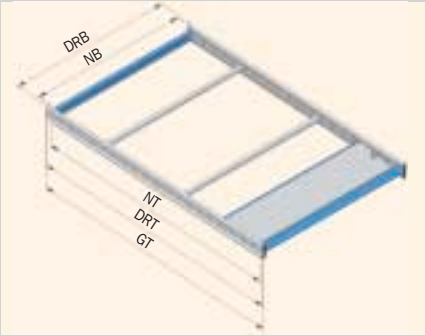
The holes in the upright profile adapters must match the existing pallet racking upright profile. Please give the following dimensions when ordering:
Finish: galvanised. **Articles supplied on request**

Dimensions	A mm	B mm	C mm	D mm	E mm	F mm	G mm



Flat/angled material-handling flow bed K-SD ...

Overall rack depth mm (T ₄)	Bay Width mm	Flow bed-overall depth (DRT) mm	Load daN	Ref. no	Code
2,350	2,700	2,400	470	K-S D-2400-2690/2	456810
2,350	2,700	2,400	790	K-S D-2400-2690/4	456820
2,350	2,700	2,400	1,100	K-S D-2400-2690/6	456830



Flat/angled material-handling flow bed K-SD GK ...

Overall-support depth mm (T ₄)	Bay Width mm	Flow bed-overall depth (DRT) mm	Load daN	Ref. no	Code
2,350	2,700	2,400	380	K-S DGK-2400-2690/1-V	457320
2,350	2,700	2,400	770	K-S DGK-2400-2690/3-V	457330
2,350	2,700	2,400	1,140	K-S DGK-2400-2690/5-V	457340

Flow bed modular components



Side profile, flat K-SW

Can be fitted on either right- or left-hand side. Finish: galvanised

For depth flow bed (DRT) mm	Ref. no	Code
1,300	K-SW-1300	400240
1,700	K-SW-1700	400400
1,900	K-SW-1900	400480
2,100	K-SW-2100	400560
2,500	K-SW-2500	400720
3,100	K-SW-3100	400960



Side-profile, angled K-SW K

In right- or left-hand configuration. Finish: galvanised

For depth flow bed (DRT) mm	Ref. no right-hand	Code	Ref. no left-hand	Code
1,300	K-SW K-R-1300	401970	K-SW K-L-1300	403700
1,700	K-SW K-R-1700	402130	K-SW K-L-1700	403860
1,900	K-SW K-R-1900	402210	K-SW K-L-1900	403940
2,100	K-SW K-R-2100	402290	K-SW K-L-2100	404020
2,500	K-SW K-R-2500	402450	K-SW K-L-2500	404180
3,100	K-SW K-R-3100	402690	K-SW K-L-3100	404420



End-cap

Black plastic

End-cap	Ref. no	Code
	K-AK1	2009602



Front profile K-QV

Standard profile section with end-stop. Finish: RAL 5010 blue

Bay-width mm	Ref. no	Code
880	K-QV-0880	419530
1,080	K-QV-1080	419730
1,280	K-QV-1280	419930
1,350	K-QV-1350	420000
1,800	K-QV-1800	420450
2,200	K-QV-2200	420850
2,700	K-QV-2700	421350



Chute profile K-QK

For use on outlet chutes; for fixing roller tracking guides to outlet-chutes. Finish: RAL 5010 blue

Bay-width mm	Ref. no	Code
880	K-QK-0880	411700
1,080	K-QK-1080	411900
1,280	K-QK-1280	412100
1,350	K-QK-1350	412170
1,800	K-QK-1800	412620
2,200	K-QK-2200	413020
2,700	K-QK-2700	413520



Chute profile reinforcer K-QKV

This profile section can be used to provide extra reinforcement for wider, heavily-loaded flow beds. Finish: galvanised

Bay-width mm	Ref. no	Code
1,350	K-QKV-1350	414780
1,800	K-QKV-1800	415230
2,200	K-QKV-2200	415630
2,700	K-QKV-2700	416130

Flow bed modular components



Internal cross-support K-QI-40

Support for roller tracks. The load capacity of the flow bed is determined by the number of cross-supports. Finish: galvanised

Bay-width mm	Ref. no	Code
880	K-QI 40-0880	422480
1,080	K-QI 40-1080	422680
1,280	K-QI 40-1280	422880
1,350	K-QI 40-1350	422950
1,800	K-QI 40-1800	423400
2,200	K-QI 40-2200	423800
2,700	K-QI 40-2700	424300



Internal cross-support K-QI-50 - heavy-duty configuration

Support for roller tracks. The load capacity of the flow bed is determined by the number of cross-supports. Finish: galvanised

Bay-width mm	Ref. no	Code
880	K-QI 50-0880	425090
1,080	K-QI 50-1080	425290
1,280	K-QI 50-1280	425490
1,350	K-QI 50-1350	425560
1,800	K-QI 50-1800	426010
2,200	K-QI 50-2200	426410
2,700	K-QI 50-2700	426910



Central cross-support K-QM

In the case of large flow beds, this profile section – used in conjunction with fixing clips – can provide extra stability for the roller track and guide rail. Recommended for depths of over 3,100 mm for guide rail and of over 4,100 mm for roller track.

Bay-width mm	Ref. no	Code
880	K-QM-0880	416920
1,080	K-QM-1080	417120
1,280	K-QM-1280	417320
1,350	K-QM-1350	417390
1,800	K-QM-1800	417840
2,200	K-QM-2200	418240
2,700	K-QM-2700	418740



Rear profile K-QH

Standard profile section with wide lower edge for track support. Finish: RAL 5010 blue

Bay-width mm	Ref. no	Code
1,350	K-QH-1350	406950
1,800	K-QH-1800	407400
2,200	K-QH-2200	407800
2,700	K-QH-2700	408300



Rear profile KLT K-QH-KLT

With lengthened upper edge. Ensures that the KLT container on the track does not become jammed. Finish: RAL 5010 blue

Bay-width mm	Ref. no	Code
880	K-QH-KLT-0880	409090
1,080	K-QH-KLT-1080	409290
1,280	K-QH-KLT-1280	409490

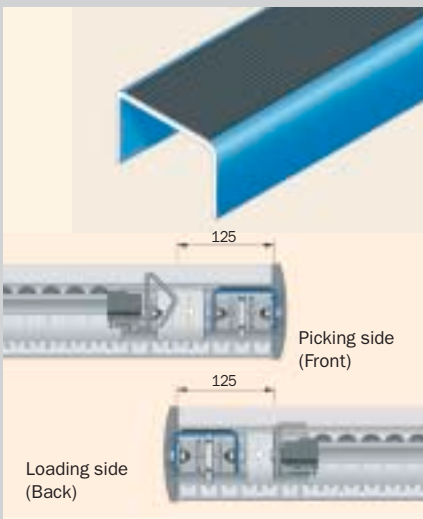
Flow bed modular components



Front profile for pick-by-light K-QV-PBL

For attachment of a pick-by-light indicator. This profile can be supplied in three angled settings. Finish: RAL 5010 blue

Bay-width mm	Ref. no	Code
1,350	K-QV-PBL-1350	on request
1,800	K-QV-PBL-1800	on request
2,200	K-QV-PBL-2200	on request
2,700	K-QV-PBL-2700	on request



Step profile K-QT for the loading and picking side

The step profile can be used on both the loading and picking side. Bed side profiles will need to be extended. To prevent tipping the anti-tip clip (page 46) should be replaced and the bed side profile secured to the upright with nuts and bolts.

Front profile: This side will need to be extended by 125 mm

Rear profile: This side will need to be extended by 125 mm

Bay-width mm	Ref. no	Code
1,350	K-QT-1350	on request
1,800	K-QT-1800	on request
2,200	K-QT-2200	on request
2,700	K-QT-2700	on request



Cross-profile link clip

Finish: galvanised

	Ref. no	Code
Cross-profile link clip	K-LQ1	2009458



Link plate side profile

Finish: galvanised

	Ref. no	Code
Link plate side profile	K-LV1	2009460



Angled chute link plate 10°, 13°, 16°

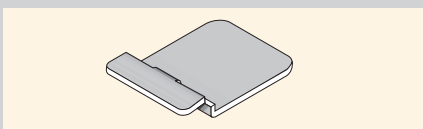
Finish: galvanised

	Ref. no	Code
Angled chute link plate	K-LS1	2009459



Set of fixings for flow bed

Flow bed-Type	Torx screw DIN 7380	Self-locking Nut M8	Nut M8 DIN 934	Ref. no	Code
Flat	4	4	—	K-VS1	439520
Front chute	6	6	—	K-VS2	439530
Angled front chute	10	6	4	K-VS3	439540



Support clip

Finish: galvanised

	Ref. no	Code
Support clip	K-VB1	2009949

Flow bed modular components



Outlet chute plate K-AB

Finish: galvanised

Bay-width mm	Depth of outlet chute mm	Section width mm	Section depth mm	Ref. no	Code
880	450	852	443	K-AB-0880-450	443350
1,080	450	1,052	443	K-AB-1080-450	443550
1,280	450	1,252	443	K-AB-1280-450	443750
1,350	450	1,322	443	K-AB-1350-450	443820
1,800	450	1,772	443	K-AB-1800-450	444270
2,200	450	2,172	443	K-AB-2200-450	444670
2,700	450	2,672	443	K-AB-2700-450	445170

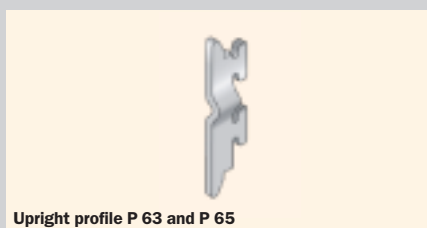


Sound-insulating outlet chute plate K-SDA

Sound insulation material is supplied on a roll. Please give the total number of metres required when ordering.

Example: (1,350 - 100 mm) x 2 = 2,500 mm

Length = (Bay-width - 100 mm) x 2	Ref. no	Code
	K-SDA	2009616



Upright profile P 63 and P 65

Adjusting clip for upright profile P 63 and P 65

The flow bed is height-adjustable in increments of 6.25 mm, either by inserting the clip into the slot on the upright profiles, or by rotating the clip.

Finish: galvanised

	Ref. no	Code
Adjusting clip for upright profiles P 63 and P 65	K-VH1	2009461



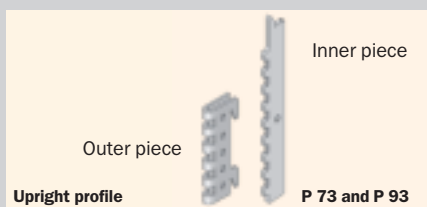
Outer slotted support

Inner slotted support

Slotted support (outer and inner) for upright profile section P63 and P 65

Outer – for fitting to adjusting clip K-VH1. Inner – for fitting to adjusting clip K-VH1 (on all flow beds marked*). Finish: galvanised

	Ref. no	Code
Outer slotted support	K-SA1	2009462
Inner slotted support	K-SI1	2009618



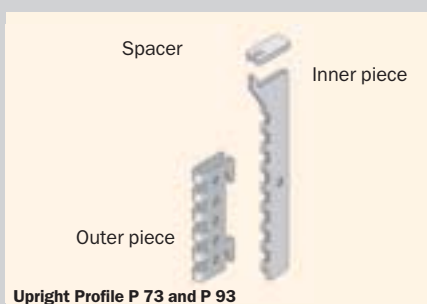
Upright profile

P 73 and P 93

Front adjusting clip, with outer and inner pieces for upright profile P 73 and P 93

The flow bed is height-adjustable in increments of 12.5 mm. The adjusting clip is inserted into the front upright profile and secured by engaging the flow bed with the clip.

	Ref. no	Code
Adjusting clip for upright profiles P 73 and P 93	K-VH2	439500



Upright Profile P 73 and P 93

Rear adjusting clip

with outer/inner piece and spacer for upright profile P 73 and P 93

The flow bed is height-adjustable in increments of 12.5 mm. The adjusting clip is inserted into the rear or centre upright profile. The wide design of the inner piece means that the lower set of adjusting slots in the flow bed is covered. Allows easy front to back-adjustment of the flow bed enabling the creation of an ergonomic pick face. When used as an inner support, the spacer can be inserted in order to reduce the adjustment increments from 12.5 to 6.25 mm. Finish: galvanised

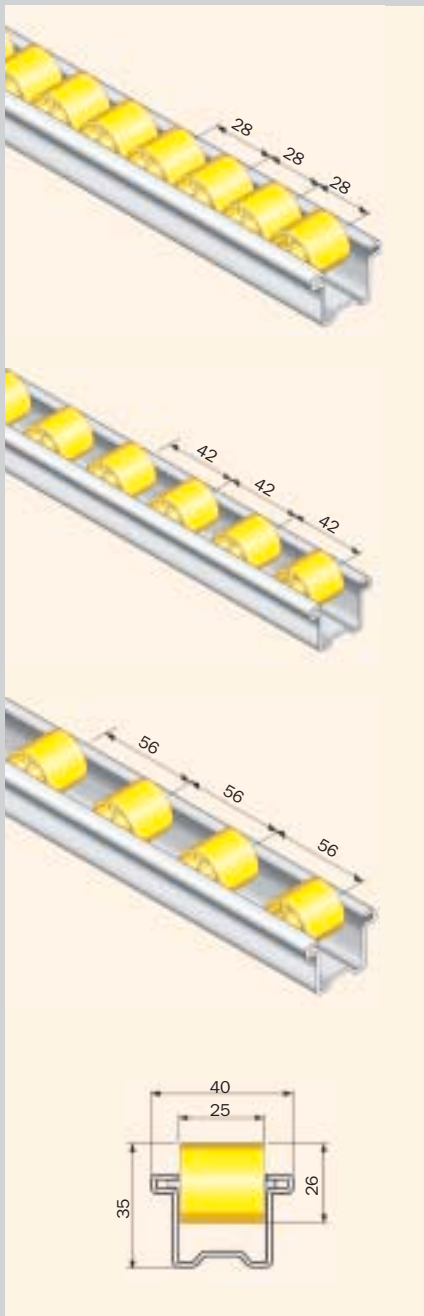
	Ref. no	Code
Rear adjusting clip for upright profile P 73 and P 93	K-VH3	439510
Spacer	K-VH3D	442750

Roller track

Roller Track:

SSI SCHAEFER roller track consists of a rigid profile with anti-stretch reinforcement, made of galvanised sheet-steel. The tracks are fitted with robust, smooth-running rollers made of high-quality plastic. Roller pitchings 28, 42 and 56 mm.

- Minimum roller pitching and wide running surfaces deliver optimum load distribution
- Corrugated reinforcement sections prevent the rail distorting, thus ensuring that the rollers run true and items are handled smoothly
- Can also be used at sub-zero temperatures (down to -30°C)
- High load capacity of 5 kg per roller (12 kg available as option, with steel axles)
- Rigid roller track profile with robust anti-stretch reinforcement to prevent the rollers from being dislodged
- Long service life – with roller performance guaranteed for five years



Roller track type: Rollers with plastic axle

High load capacity of 5 kg per roller

Roller track can also be supplied by the metre



Flat flow bed		Roller pitch 28 mm		Roller pitch 42 mm		Roller pitch 56 mm	
Depth of flow bed (DRT) mm	Track length mm	Ref. no	Code	Ref. no	Code	Ref. no	Code
1,300	1,245	K-R28K-1245	428420		on request		on request
1,700	1,645	K-R28K-1645	428580		on request		on request
1,900	1,845	K-R28K-1845	428660		on request		on request
2,100	2,045	K-R28K-2045	428740		on request		on request
2,500	2,445	K-R28K-2445	428900		on request		on request
3,100	3,045	K-R28K-3045	429140		on request		on request

Flat flow beds with front chute/flow beds with angled front chute

		Roller pitch 28 mm		Roller pitch 42 mm		Roller pitch 56 mm	
Depth of flow bed (DRT) mm	Track length mm	Ref. no	Code	Ref. no	Code	Ref. no	Code
1,300	770	K-R28K-0770	428230		on request		on request
1,700	1,170	K-R28K-1170	428390		on request		on request
1,900	1,370	K-R28K-1370	428470		on request		on request
2,100	1,570	K-R28K-1570	428550		on request		on request
2,500	1,970	K-R28K-1970	428710		on request		on request
3,100	2,570	K-R28K-2570	428950		on request		on request

Roller Track: Rollers with steel axle

High load capacity of 12 kg per roller

Roller track can also be supplied by the metre

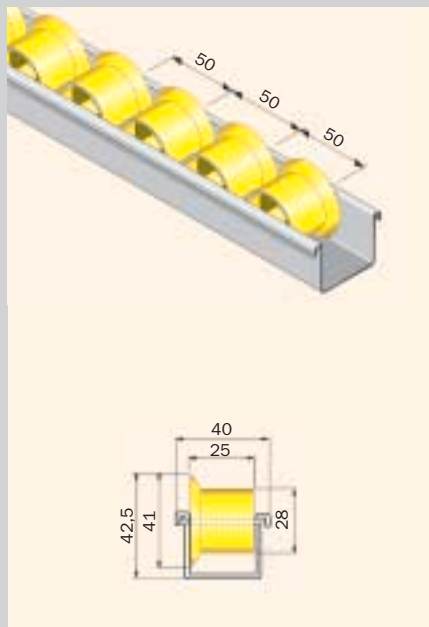


Flat flow bed		Roller pitch 28 mm		Roller pitch 42 mm		Roller pitch 56 mm	
Depth of flow bed (DRT) mm	Track length mm	Ref. no	Code	Ref. no	Code	Ref. no	Code
1,300	1,245	K-R28S-1245	434150		on request		on request
1,700	1,645	K-R28S-1645	434310		on request		on request
1,900	1,845	K-R28S-1845	434390		on request		on request
2,100	2,045	K-R28S-2045	434470		on request		on request
2,500	2,445	K-R28S-2445	434630		on request		on request
3,100	3,045	K-R28S-3045	434870		on request		on request

Flat flow beds with front chute/flow beds with angled front chute

		Roller pitch 28 mm		Roller pitch 42 mm		Roller pitch 56 mm	
Depth of flow bed (DRT) mm	Track length mm	Ref. no	Code	Ref. no	Code	Ref. no	Code
1,300	770	K-R28S-0770	433960		on request		on request
1,700	1,170	K-R28S-1170	434120		on request		on request
1,900	1,370	K-R28S-1370	434200		on request		on request
2,100	1,570	K-R28S-1570	434280		on request		on request
2,500	1,970	K-R28S-1970	434440		on request		on request
3,100	2,570	K-R28S-2570	434680		on request		on request

Roller Track



Roller track type: Flanged rollers with steel axle

Designed for the conveying of storage containers or cartons with rigid side walls. The flange, which rotates with the running surface of the roller, guarantees an even lower amount of friction wear. The minimum pitch is 50 mm. High load capacity of 6 kg per roller. Roller track can also be supplied by the metre

Flat flow bed

Depth of flow bed (DRT) mm	Track length mm
1,300	1,245
1,700	1,645
1,900	1,845
2,100	2,045
2,500	2,445
3,100	3,045

Roller pitch 50 mm

Ref. no	Code
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>

Flat flow beds with front chute/flow beds with angled front chute Roller pitch 50 mm

Depth of flow bed (DRT) mm	Track length mm
1,300	770
1,700	1,170
1,900	1,370
2,100	1,570
2,500	1,970
3,100	2,570

Ref. no	Code
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>
	<i>on request</i>



Individual rollers: Cylindrical and flanged rollers

Cylindrical roller with plastic axle, load capacity 5 kg/roller
Cylindrical roller with steel axle, load capacity 12 kg/roller
Flanged roller with steel axle, load capacity 6 kg/roller

Ref. no	Code
K-ERK1	442760
K-ERS2	442770
	<i>on request</i>



Roller track type: Cylindrical and flanged rollers, anti-static, with steel axle

These roller tracks are fitted with anti-static black rollers. They are designed primarily for use in warehouses dedicated to the storage of electronic components. Load capacity: 6 kg/roller

Cylindrical roller with steel axle, minimum pitch 33 mm
Flanged roller, minimum pitch 50 mm

Ref. no	Code
	<i>on request</i>
	<i>on request</i>

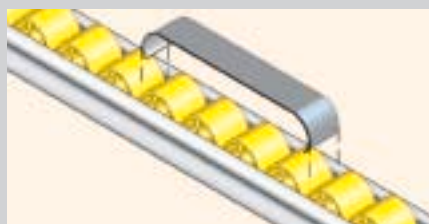


Braking clip

The braking clip is used to isolate individual rollers. This provides a gentle braking action.

Braking clip

Ref. no	Code
K-BC1	442780



Braking strip

The 100 mm-long braking strip is clamped on top of a series of rollers to produce a stronger braking effect than that exercised by a clip. It can be used with roller pitches of 28, 33, 42 and 56 mm.

Braking strip, for roller pitch of 28 mm and 42 mm
Braking strip, for roller pitch of 33 mm
Braking strip, for roller pitch of 56 mm

Ref. no	Code
K-BB1	99210
BB	26391
	<i>on request</i>

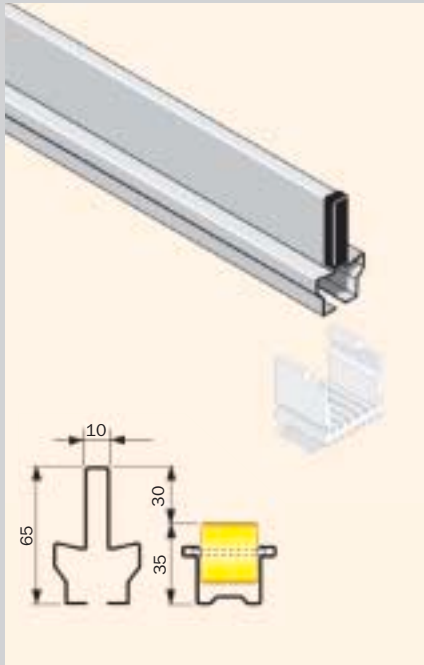


Spring clip

Spring clip

Ref. no	Code
K-SP1	2009387

Guide Rail



Standard guide rail

These elements, which are made of galvanised steel, prevent two adjacent storage items from colliding as they run through the system. They can be adjusted in increments of 5.0 mm and are fitted with protective end caps at each end.

Finish: galvanised

For flat flow beds

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no incl. end caps	Code
1,300	1,230	K-TL-1230	446290
1,700	1,630	K-TL-1630	446610
1,900	1,830	K-TL-1830	446770
2,100	2,030	K-TL-2030	446930
2,500	2,430	K-TL-2430	447250
3,100	3,030	K-TL-3030	447730

For flat flow beds with front chute/flow beds with angled front chute

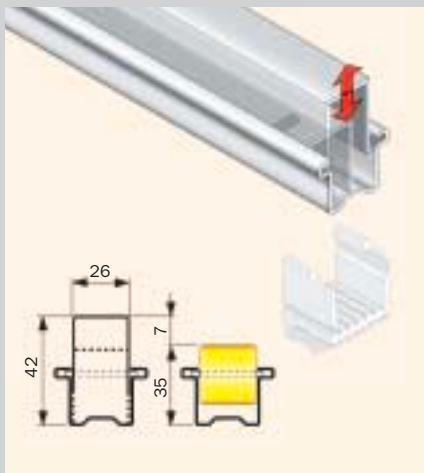
Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no incl. end caps	Code
1,300	764	K-TLK-0764	445915
1,700	1,164	K-TLK-1164	446235
1,900	1,364	K-TLK-1364	446395
2,100	1,564	K-TLK-1564	446555
2,500	1,964	K-TLK-1964	446875
3,100	2,564	K-TLK-2564	447355

For flat KLT flow beds

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no incl. end caps	Code
1,300	1,212	K-TL-KLT-1212	446280
1,700	1,612	K-TL-KLT-1612	446600
1,900	1,812	K-TL-KLT-1812	446760
2,100	2,012	K-TL-KLT-2012	446920
2,500	2,412	K-TL-KLT-2412	447240
3,100	3,012	K-TL-KLT-3012	447720

For KLT flat flow beds with front chute/KLT flow beds with angled front chute

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no incl. end caps	Code
1,300	746	K-TLK-KTL-0746	445905
1,700	1,146	K-TLK-KTL-1146	446225
1,900	1,346	K-TLK-KTL-1346	446385
2,100	1,546	K-TLK-KTL-1546	446545
2,500	1,946	K-TLK-KTL-1946	446865
3,100	2,546	K-TLK-KTL-2546	447345



Adjustable guide rail

For universal operation with KLT containers.

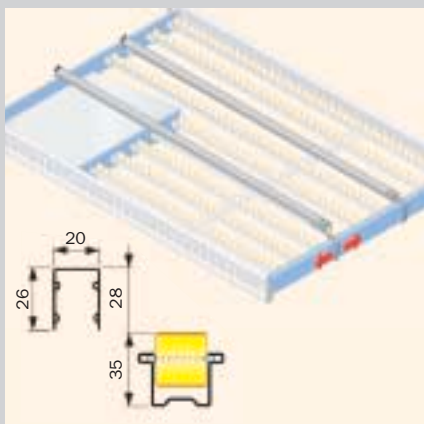
Finish: galvanised

For flat flow beds

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no	Code
1,300	1,245	K-VT-1245	451410
1,700	1,645	K-VT-1645	451570
1,900	1,845	K-VT-1845	451650
2,100	2,045	K-VT-2045	451730
2,500	2,445	K-VT-2445	451890
3,100	3,045	K-VT-3045	-

For flat flow beds with front chute/flow beds with angled front chute

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no	Code
1,300	770	K-VTK-0770	451220
1,700	1,170	K-VTK-1170	451380
1,900	1,370	K-VTK-1370	451460
2,100	1,570	K-VTK-1570	451540
2,500	1,970	K-VTK-1970	451700
3,100	2,570	K-VTK-2570	-



Multiple separator strips

Multiple separator strips are horizontally adjustable in increments of 10 mm, without affecting the position of the roller tracks. Ideal for use with a roller carpet flow bed with frequent changes of stored item. Finish: galvanised

For flat flow beds/flat flow beds with front chutes

Depth of flow bed (DRT) mm	Guide Rail length mm	Ref. no	Code
1,300	1,223	K-MT-1300	449500
1,700	1,623	K-MT-1700	449660
1,900	1,823	K-MT-1900	449740
2,100	2,023	K-MT-2100	449820
2,500	2,423	K-MT-2500	449980

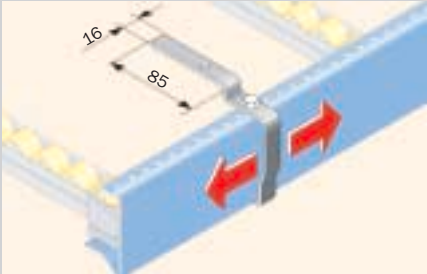
Accessories



Fixing clips
 Fixing clips are used for securing both roller track and guide rail to the front and back profile sections of the flow bed.
 The advantages of this fixing method are:

- Bolt free lane-width adjustment in steps of 5.0 mm
- Stable attachment of roller and track guide rail
- Fast and easy readjustment of lane widths

	Ref. no	Code
Fixing clip	K-RK	2009603



Loading Guide
 Loading guides, which are horizontally adjustable in steps of 10 mm, are attached to the replenishment face in order to provide additional guidance for flanged rollers. They ensure extremely fast lane-width adjustment when only rollers are used.
 Finish: galvanised

	Ref. no	Code
Loading Guide	K-EW1	2009950



Anti-tip clip for upright profiles P 63 and P 65
 This slot-in anti-tip clip protects the flow bed from tipping when oversized items are being handled.
 Finish: galvanised

	Ref. no	Code
Anti-tip clip	K-AHS1	2009619



Anti-tip clip for upright profiles P 73 and P 93
 This slot-in anti-tip clip protects the flow bed from tipping when oversized items are being handled.
 Finish: galvanised

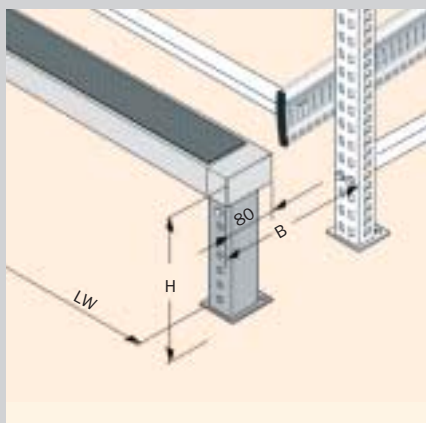
	Ref. no	Code
Anti-tip clip	AHS	98783



Label holder
 Self-adhesive label holder made of plastic, total height 33 mm, for the clear and practical identification of each storage area.
 Suitable for labels measuring up to 30 mm in height.

Bay-width mm	Length mm	Ref. no	Code
880	780	K-EH-0880	442518
1,080	980	K-EH-1080	442538
1,280	1,180	K-EH-1280	442558
1,350	1,250	K-EH-1350	442565
1,800	1,700	K-EH-1800	442610
2,200	2,100	K-EH-2200	442650
2,700	2,600	K-EH-2700	442700

Accessories



Step, configuration A

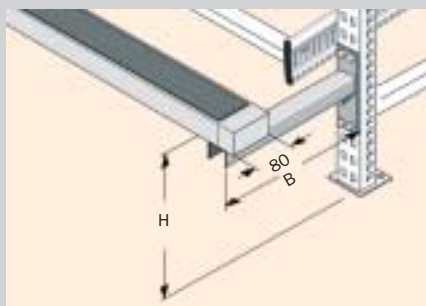
A step allows even the higher shelves to be reached without difficulty. The step, which has an anti-slip surface, can be adjusted to three different heights. The final length (LW variable) is adjusted to the desired total rack length. Standard length: 1,800 mm. Finish: RAL 5010 blue.

Please indicate a value for LW_{variable} when ordering

$LW_{variable} = \text{total length} - (n \times LW) - (n \times \text{upright profile width})$

Example: $LW_{variable} = 9,920 \text{ mm} - (5 \times 1,800) - (7 \times 60) = 500 \text{ mm}$

	Ref. no	Code
Step LW 1800	K-TS1800	<i>on request</i>
Step – variable	K-TS	<i>on request</i>
Step base	K-TF300	<i>on request</i>
End-cap	K-EK1	<i>on request</i>



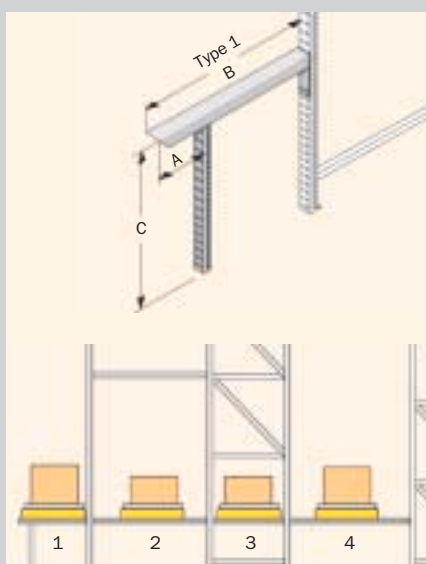
Step, configuration B

Step for attachment to bay structure.

Finish: RAL 5010 blue

When ordering, please indicate dimensions H, B and bay-width.

	Ref. no	Code
Step for upright profiles P 63 and P 65		<i>on request</i>
Step for upright profiles P 73 and P 93		<i>on request</i>



Conveyor supports

Conveyor supports are bolted into the holes on the upright profile. Their flexible height-adjustment (+40/-0 mm) allows optimum configuration. They are bolted to the frame and floor. Dimensions A, B and C are variable.

Please indicate these dimensions when ordering.

Type	Ref. no	Code
1 Conveyor support for upright profiles P 63 and P 65		<i>on request</i>
1 Conveyor support for upright profile P 73		<i>on request</i>
1 Conveyor support for upright profile P 93		<i>on request</i>
2 Conveyor support for upright profiles P 63 and P 65		<i>on request</i>
2 Conveyor support for upright profile P 73		<i>on request</i>
2 Conveyor support for upright profile P 93		<i>on request</i>
3 Conveyor support for upright profiles P 63 and P 65		<i>on request</i>
3 Conveyor support for upright profile P 73		<i>on request</i>
3 Conveyor support for upright profile P 93		<i>on request</i>
4 Conveyor support for upright profiles P 63 and P 65		<i>on request</i>
4 Conveyor support for upright profile P 73		<i>on request</i>
4 Conveyor support for upright profile P 93		<i>on request</i>



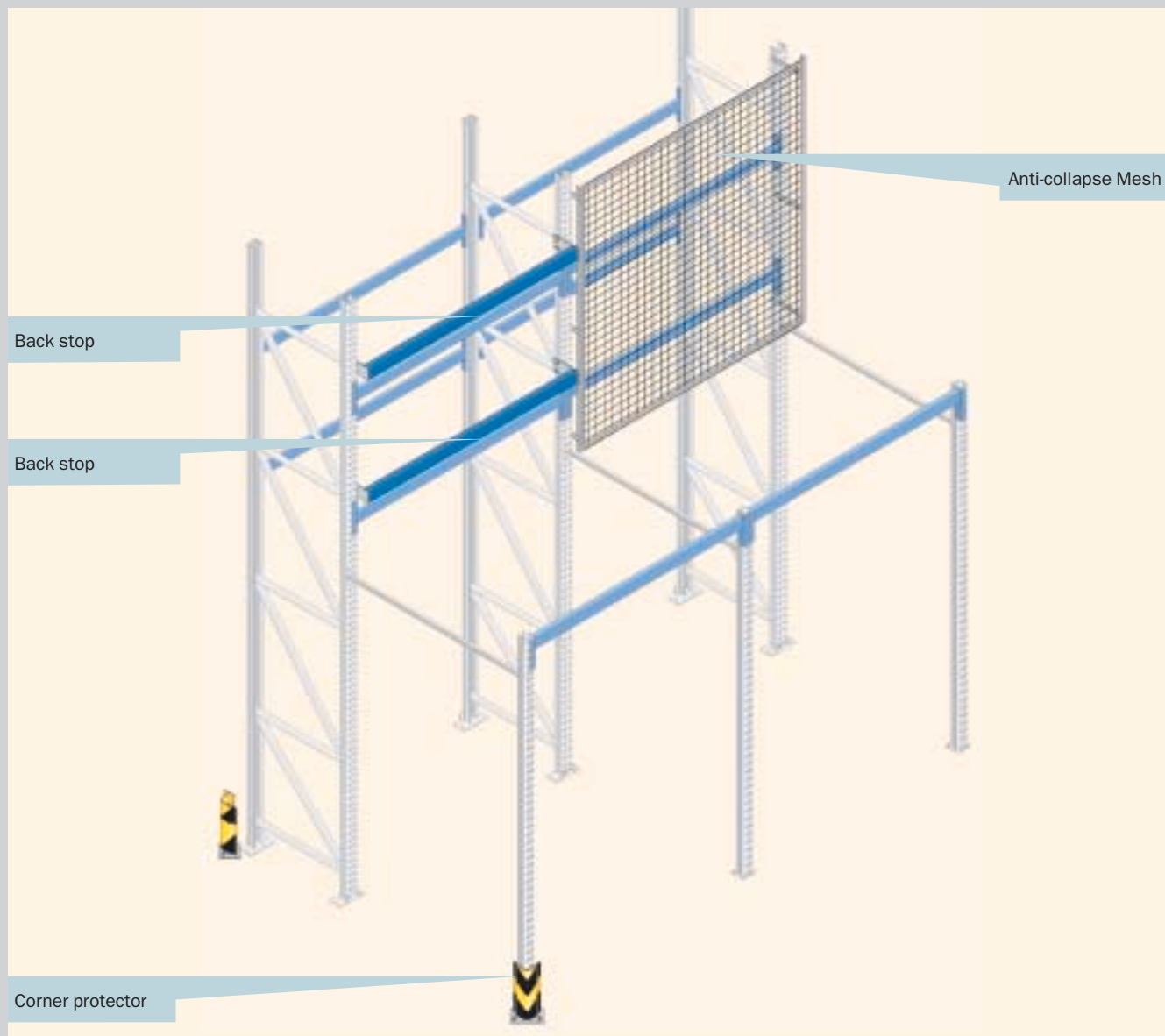
Trolley base

For easy relocation of individual bays. Fitted with two fixed and 2 swivel castors with brake. Load capacity per bay with trolley base: max. 1,600 kg

Finish: RAL 5010 blue

	Ref. no	Code
Trolley base		<i>on request</i>

Safety accessories



Rear grille sections

The backs of free-standing units must be fitted with safety mesh to prevent stored items or material from falling out. These safety mesh elements can be combined as necessary to match the height of the rack and the bay width. Each element consists of a robust angled profile section frame with welded-in mesh, mesh dimensions 50 x 50 mm, incl. attachment fittings. Several mesh sections can also be placed above each other if required.

Finish: Painted RAL 7037 grey

Please observe your local safety regulations (if in doubt, consult our specialists).

Mesh section height 1,100 mm

Bay width mm	Ref. no	Code
1,800	GRN 1811	158090
2,200	GRN 2211	158120
2,700	GRN 2711	158150

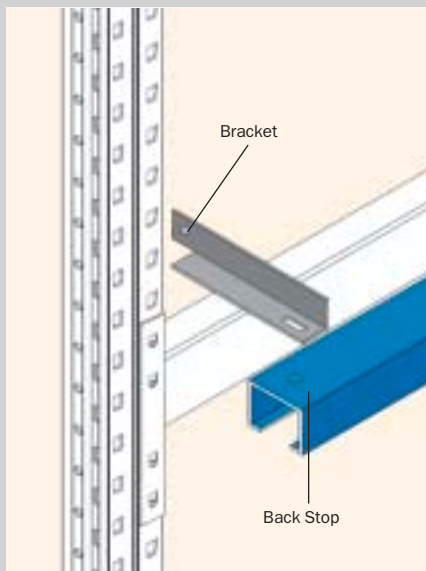
Mesh section height 1,200 mm

Bay width mm	Ref. no	Code
1,800	GRN 1812	158100
2,200	GRN 2212	158130
2,700	GRN 2712	158160

Mesh section height 1,450 mm

Bay width mm	Ref. no	Code
1,800	GRN 1814	158110
2,200	GRN 2214	158140
2,700	GRN 2714	158170

Safety accessories



Back stops

The back stops prevent objects being pushed right through by accident, thus eliminating the risk of them falling from the rack.

Bay width mm	Upright profile section	Ref. no	Code
1,800	C 40/30	DS 1804	158330
	C 60/40	DS 1806	158350
2,200	C 40/30	DS 2204	158340
	C 60/40	DS 2206	158360
2,700	C 40/30	DS 2704	158370
	C 60/40	DS 2706	158420

Bracket

Each back stop requires two brackets for fixing purposes.
Finish: galvanised

Brackets placed at intervals of 100 mm

Shelf depth mm	Ref. no	Code
1,050	KDS 1	158480



Corner protector

Robust angled profile section with reinforced base-plate incl. two anchors; recommended wherever fork-lift trucks are in operation.

	Ref. no	Code
Corner protector	ES 300	19690

Technical query form

Please send your enquiry to your local representative.

From/Company stamp:

First and last name:	
Department:	
Postal/Street address:	
Town/City:	
Telephone:	Fax:

I would like further information on the following:

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin, light blue lines. There are no margins, text, or other markings on the page.

Description:	

Customer number (if available):

Place/Date:

Please call me at the following number: _____

☐ I have further queries

☐ To arrange an appointment on _____ at _____

Company stamp/Signature:

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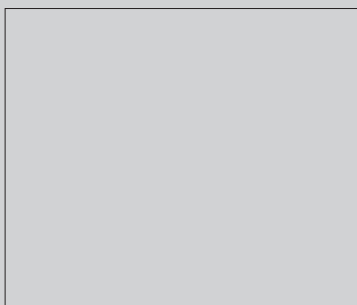
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