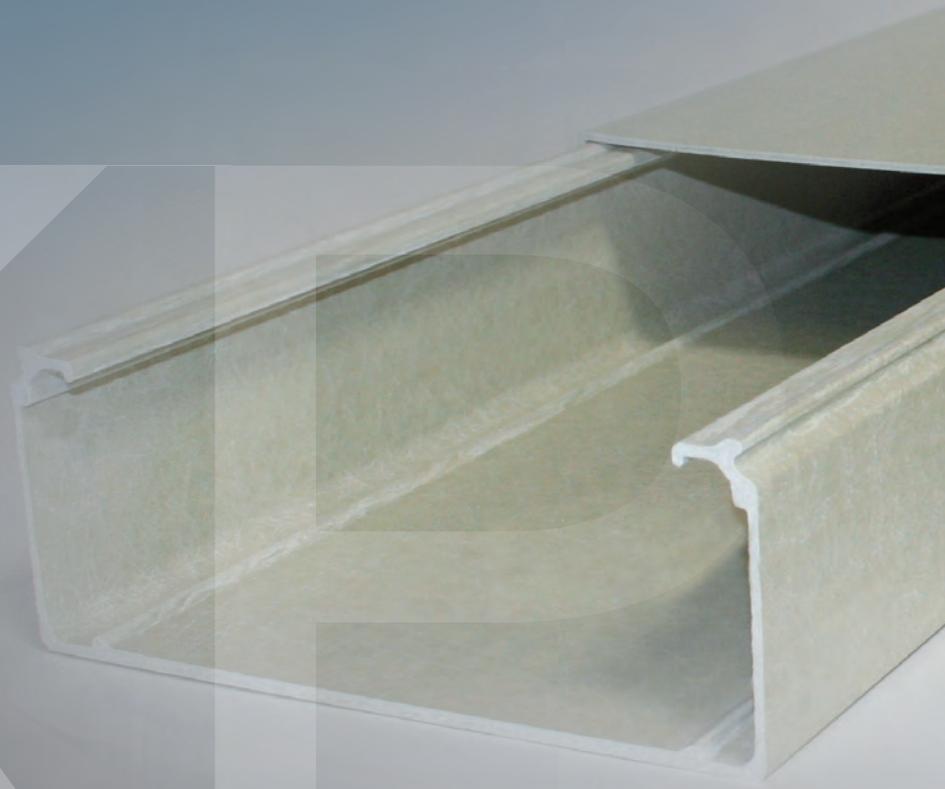


System  
**KP**



Cable tray systems available in height   

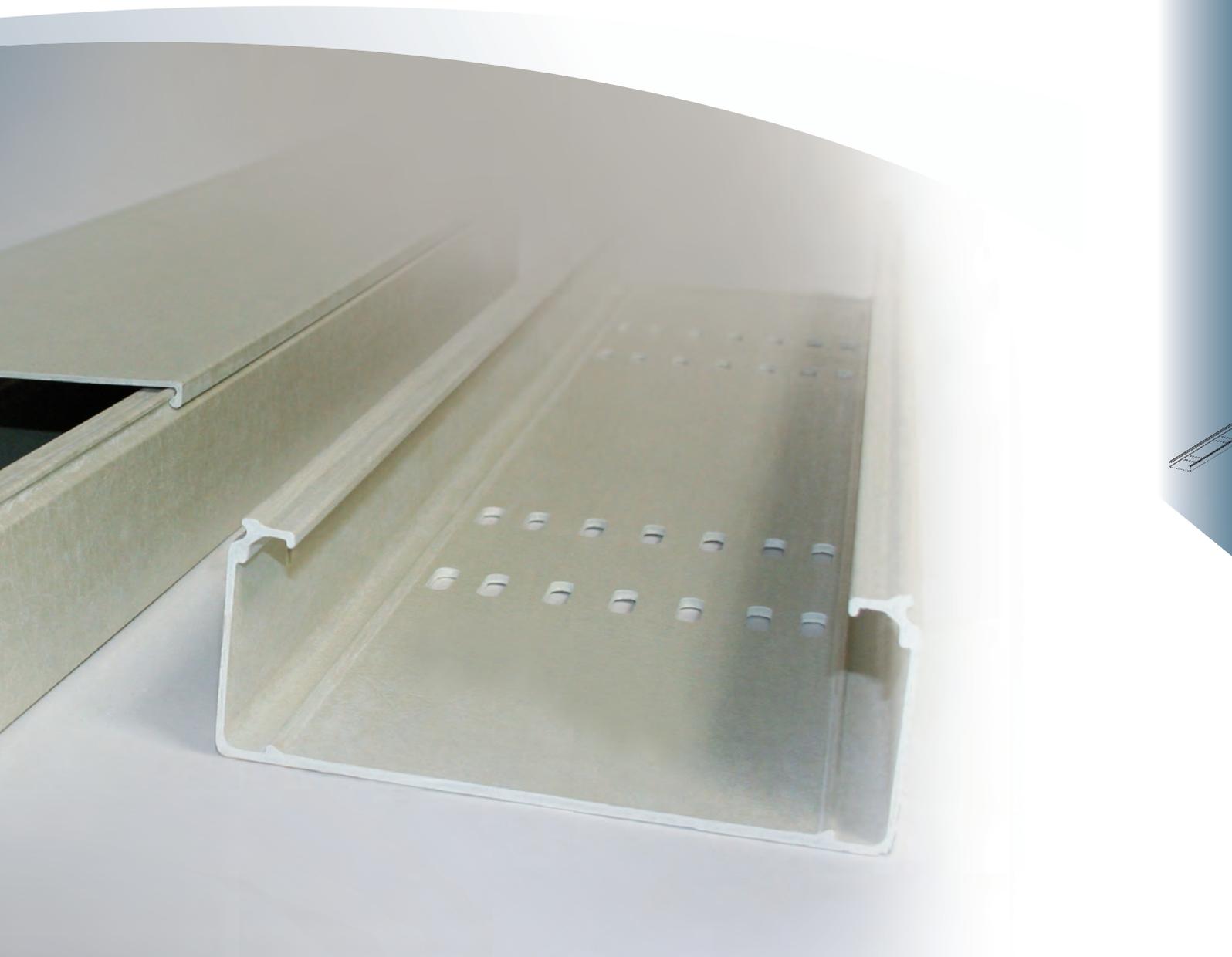
Cable trays

Covers

Dividers

Accessoires

Fittings



The cable tray system KP EBO Systems (manufactured by pultrusion) provides maximum flexibility and efficiency and a support distance of up to 4 m.

Its quickly assembly with clip in jointing pieces without screws included automatically an expansion joint, greatly facilitates its installation.

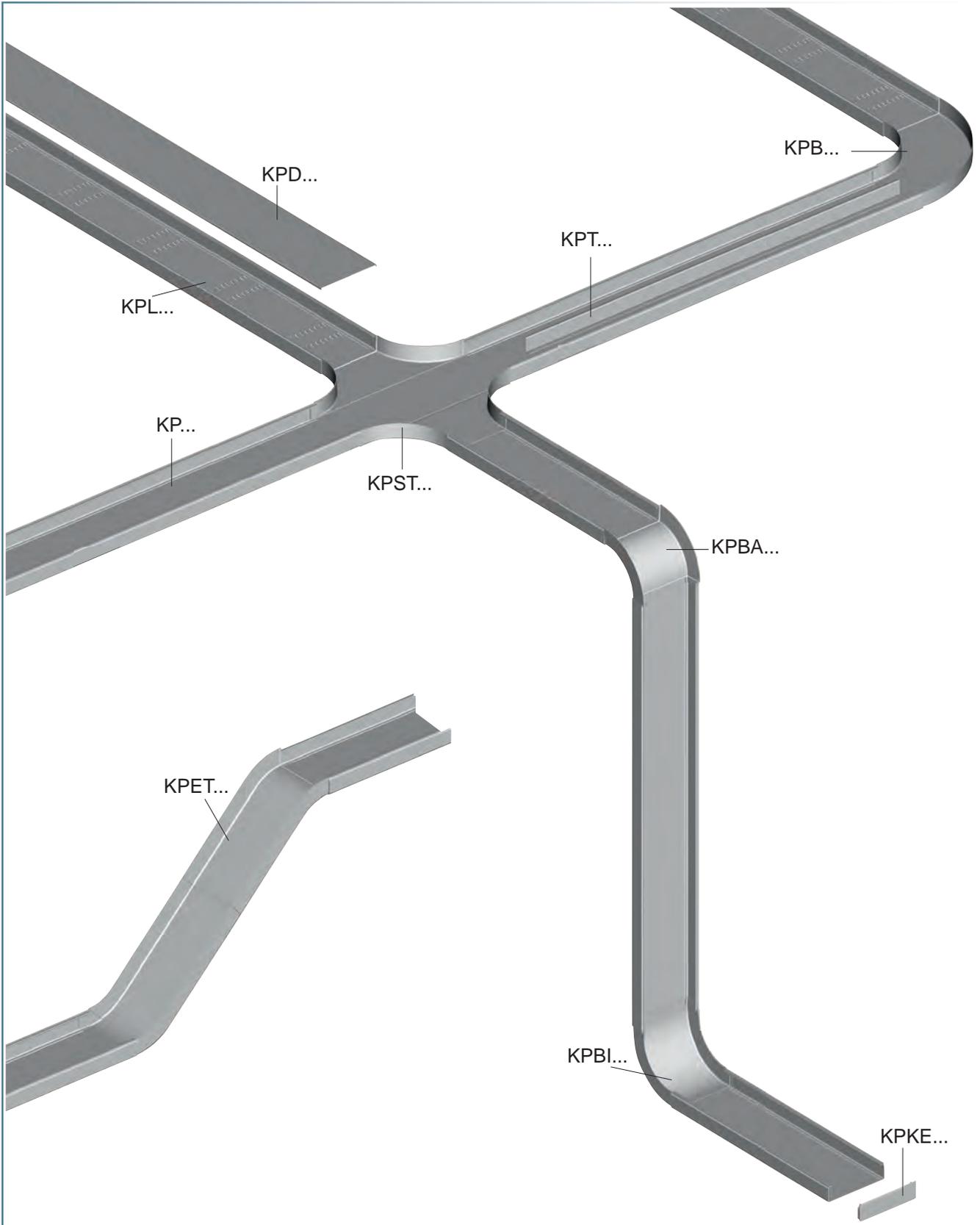
# CABLE TRAY SYSTEM KP

## Available siderail heights

SYSTEM	GRP-Cable tray, pultruded, perfored	<b>KPL</b>		58		58		62
	GRP-Cable tray, pultruded, no-perforated	<b>KP</b>		58		58		62
ACCESSORIES	GRP-Encap, pultruded	<b>KPKE</b>		59		59		63
	GRP-Splice plate, pultruded, horizontal	<b>KPGH...</b>		59		59		63
	STAINLESS STEEL-Splice plate, horizontal	<b>KPIH</b>		59		—		—
	GRP-Divider, pultruded	<b>KPT...</b>		—		59		63
	GRP-T, pultruded, small radius	<b>KPSS</b>		—		59		—
	GRP-T, pultruded, big radius	<b>KPST</b>		—		—		63
	GRP-Elbow 45°, pressed, horizontal	<b>KPC</b>		—		60		63
	GRP-Elbow 90°, pressed, big radius	<b>KPB</b>		—		60		64
	GRP-Changing elevation, pressed	<b>KPET</b>		—		60		64
	GRP-Exterior changing elevation, pressed	<b>KPBI</b>		—		60		64
	GRP-Interior changing elevation, pressed	<b>KPBA</b>		—		61		64
	Cover clip	<b>DF...</b>		69				
	Cover fixing insert	<b>DF M</b>		69*				
★ NEW	Cover clip	<b>DFUB</b>		69*				
	Rack, pressed	<b>KR</b>		70*				
	Separating stud	<b>TB</b>		70*				
	Dome head bolt	<b>FKM</b>		70*				
	Hexagon head bolt	<b>SKM</b>		70*				

Covers for cables ladders UL systems are available from page 66.

\* suitable for all heights



# CABLE TRAY SYSTEM KP

## GRP cable trays

pultruded, perforated

Item ref.	RAL colour	Height mm	Width B mm	Material thickness (th) mm	EAN code	Weight 100 units pc/m	Min. pack.
K23 KPL 40.060	7032	40	60	2,0	952557	60,0	3 m
K23 KPL 50.100	7032	50	100	2,5	952564	104,1	3 m
K23 KPL 50.150	7032	50	150	2,5	952571	130,0	3 m
K23 KPL 50.200	7032	50	200	2,5	952588	166,0	3 m
K23 KPL 40.060/6	7032	40	60	2,0	952632	60,0	6 m
K23 KPL 50.100/6	7032	50	100	2,5	952649	104,1	6 m
K23 KPL 50.150/6	7032	50	150	2,5	952656	130,0	6 m
K23 KPL 50.200/6	7032	50	200	2,5	952663	166,0	6 m

Due to the expansion of the material, the following points during installation must be observed :

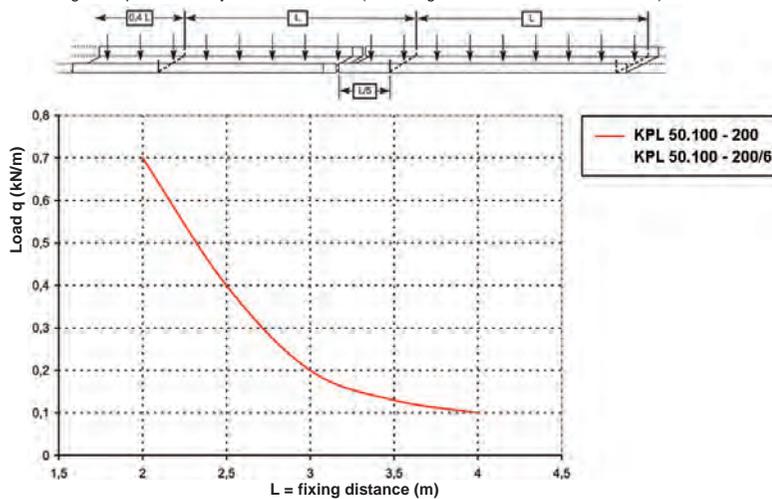
The supporting systems must not be fixed close to the splice plates

For fixing the cables trays on brackets, you need to drill a 9 mm diameter hole for the fixing of the cable tray base with bolts M6x20 V4A

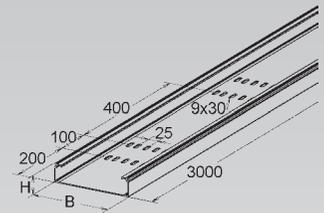
When fixing the splice plates KPGH... and KPIH..., an expansion distance of about 3 mm must be considered.

The splice plates KPGH 50/ KPIH 50 V4A are not included in the cables trays, please order them separately.

Load diagram : q = load evenly distributed cables (according to DIN EN IEC 61537 standard)



Warning : the deflection is measured with a junction position between 2 cable trays at a distance L/5 from the support. If this distance is not respected, it is necessary to raise the deflection values by approx. 30%.



## GRP cable trays

pultruded, not perforated

Item ref.	RAL colour	Height mm	Width B mm	Material thickness (th) mm	EAN code	Weight 100 units pc/m	Min. pack.
K23 KP 40.060	7032	40	60	2,0	967612	62	3 m
K23 KP 50.100	7032	50	100	2,5	952403	100	3 m
K23 KP 50.150	7032	50	150	2,5	952410	131	3 m
K23 KP 50.200	7032	50	200	2,5	952427	162	3 m
K23 KP 40.060/6	7032	40	60	2,0	952472	60	6 m
K23 KP 50.100/6	7032	50	100	2,5	952489	100	6 m
K23 KP 50.150/6	7032	50	150	2,5	952496	131	6 m
K23 KP 50.200/6	7032	50	200	2,5	952502	162	6 m

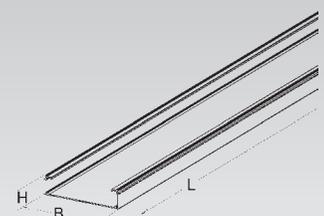
Due to the expansion of the material, the following points during installation must be observed :

The supporting systems must not be fixed close to the splice plates

For fixing the cables trays on brackets, you need to drill a 9 mm diameter hole for the fixing of the cable tray base with bolts M6x20 V4A

When fixing the splice plates KPGH... and KPIH..., an expansion distance of about 3 mm must be considered.

The splice plates KPGH 50/ KPIH 50 V4A are not included in the cables trays, please order them separately.



## End cap for cable tray

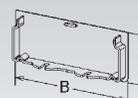
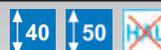
pultruded

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 KPKE 40.060	7032	40	60	955381	5,5	1 p.
K23 KPKE 50.100	7032	50	100	955398	6,0	1 p.
K23 KPKE 50.150	7032	50	150	955404	9,0	1 p.
K23 KPKE 50.200	7032	50	200	955411	10,0	1 p.

for the cable tray ends

Used for: Cable tray H50, H80, KP..., KPL... and cable truncing LFG...

Mounting accessories required : 2 bolts M6x16 V4A ( to be ordered separately )



## Clipsable splice plate

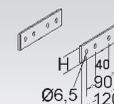
pressed, horizontal, fixing with bolts

Item ref.	RAL colour	Height mm	EAN code	Weight 100 units	Min. pack.
K23 KPGH 40	7032	25	955695	4,5	1 set

for the connection of cable trays and fittings H40, with splice plates H40

During the assembly, an expansion gap of 3 mm for dilatation must be considered.

Mounting accessories required : 2 bolts M6x20 V4A ( to be ordered separately )



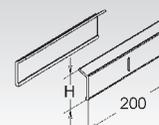
## Clipsable splice plate

pultruded, horizontal

Item ref.	RAL colour	Height mm	EAN code	Weight 100 units	Min. pack.
K23 KPGH 50	7032	39	955701	6	1 set

for the connection of cable trays and fittings H50, with splice plates H50

During the assembly, an expansion gap of 3 mm is automatically taken in consideration.



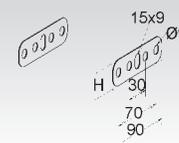
## Splice plate

horizontal, stainless steel

Item ref.	Height mm	EAN code	Weight 100 units	Min. pack.
E5 KPIH 40 E5	40	955688	2,3	1 set

During the assembly, an expansion gap of 3 mm for dilatation must be considered.

Mounting accessories required : 2 bolts M6x20 V4A ( to be ordered separately )



## Separator

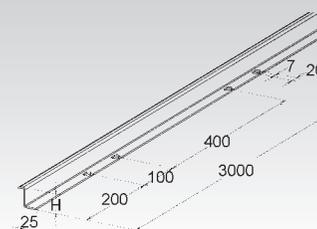
pultruded

Item ref.	RAL colour	Height mm	EAN code	Weight 100 units m	Min. pack.
K23 KPT 50	7032	37	953127	36	3 m
K23 KPT 50/M	7032	37	953141	36	3 m

to separate cables with different functions and / or to separate voltages

The divider KPT50 is delivered not mounted, it can be fixed in the cable tray with a bolt M 6x16V4A each meter.

The divider KPT50/M could be delivered pre-installed (riveted), the position inside the cable tray should be defined with the order.



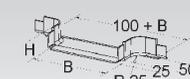
## GRP tee junction, small radius

pressed, with interlocking coupler

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 KPSS 50.100/P	7032	50	100	954889	30	1 p.
K23 KPSS 50.150/P	7032	50	150	954896	35	1 p.
K23 KPSS 50.200/P	7032	50	200	954902	40	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.

To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.



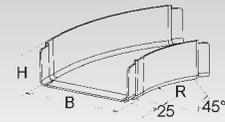
# CABLE TRAY SYSTEM KP

## GRP elbow 45°, small radius

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	Radius R	EAN code	Weight 100 units pc	Min. pack.
		mm	mm	mm			
K23 KPC 50.100/P	7032	50	100	100	953585	15	1 p.
K23 KPC 50.150/P	7032	50	150	175	953592	30	1 p.
K23 KPC 50.200/P	7032	50	200	200	953608	40	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.

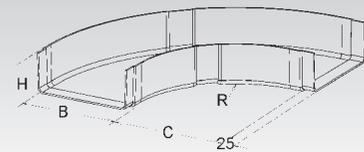


## GRP elbow 90°, large radius

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	C	Radius R	EAN code	Weight 100 units pc	Min. pack.
		mm	mm	mm	mm			
K23 KPB 50.100/P	7032	50	100	125	100	953349	30	1 p.
K23 KPB 50.150/P	7032	50	150	200	175	953356	60	1 p.
K23 KPB 50.200/P	7032	50	200	225	200	953363	80	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.



## GRP changing elevation

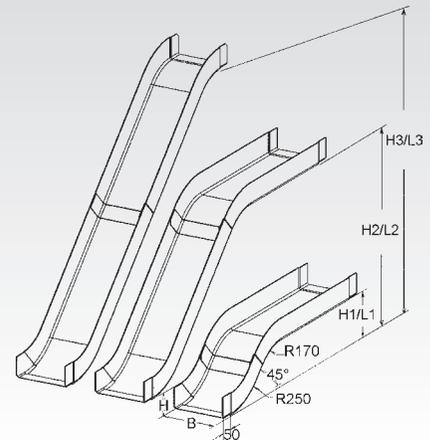
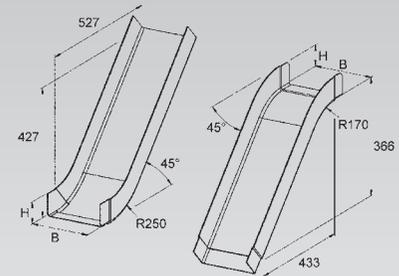
pressed, in 2 pieces, with interlocking coupler

Item ref.	RAL colour	Height	Width B	Height H1	Height H2	Height H3	EAN code	Weight 100 units pc/m	Min. pack.
		mm	mm	mm	mm	mm			
K23 KPET 50.100/P	7032	50	100	160	480	800	954513	180	1 p.
K23 KPET 50.150/P	7032	50	150	160	480	800	954520	184	1 p.
K23 KPET 50.200/P	7032	50	200	160	480	800	954537	259	1 p.

Composed with different pieces, the changing elevation can be mounted in different heights

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.

The part height depends on the height and the configuration used  
H1 = 160 mm => L1 = 785 mm ( a cut is necessary )  
H2 = 480 mm => L2 = 1100 mm  
H3 = 800 mm => L3 = 970 mm

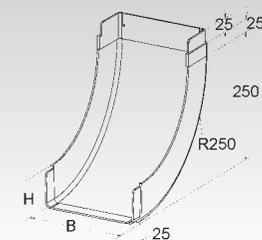


## GRP vertical inside elbow

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 KPBI 50.100/P	7032	50	100	954278	40	1 p.
K23 KPBI 50.150/P	7032	50	150	954285	50	1 p.
K23 KPBI 50.200/P	7032	50	200	954292	60	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 2 bolts M6x16 V4A on each tray end.



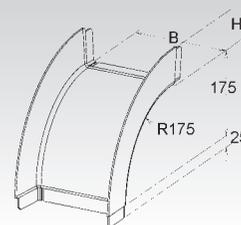
## GRP vertical outside elbow

pressed, with interlocking coupler

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 KPBA 50.100/P	7032	50	100	954216	30	1 p.
K23 KPBA 50.150/P	7032	50	150	954223	40	1 p.
K23 KPBA 50.200/P	7032	50	200	954230	50	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.

To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.



# CABLE TRAY SYSTEM KP

## GRP cable trays

pultruded, perforated

Item ref.	RAL colour	Height	Width B	Material thickness (th)	EAN code	Weight 100 units m	Min. pack.
		mm	mm	mm		m	
K23 KPL 80.100	7032	80	100	2,5	952595	180	3 m
K23 KPL 80.150	7032	80	150	2,5	952601	200	3 m
K23 KPL 80.200	7032	80	200	2,5	952618	234	3 m
K23 KPL 80.300	7032	80	300	3,2	952625	355	3 m
K23 KPL 80.100/6	7032	80	100	2,5	952670	180	6 m
K23 KPL 80.150/6	7032	80	150	2,5	952687	200	6 m
K23 KPL 80.200/6	7032	80	200	2,5	952694	234	6 m
K23 KPL 80.300/6	7032	80	300	3,2	952700	355	6 m

Due to the expansion of the material, the following points during installation must be observed :

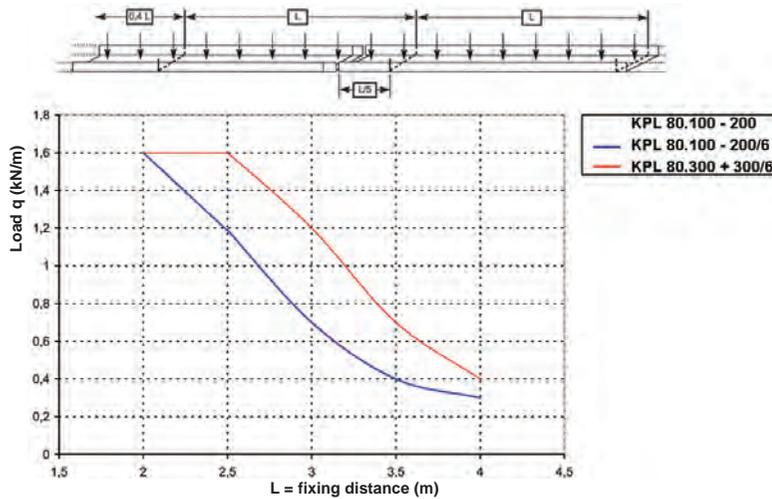
The supporting systems must not be fixed close to the splice plates

For fixing the cables trays on brackets, you need to drill a 9 mm diameter hole for the fixing of the cable tray base with bolts M6x20 V4A

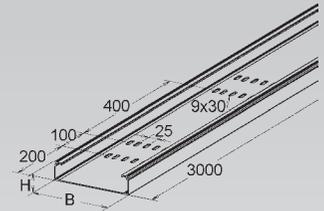
When fixing the splice plates KPGH..., an expansion distance of about 3 mm must be considered.

The splice plates KPGH.../ KPIH... V4A are not included in the cables trays, please order them separately.

Load diagram : q = load evenly distributed cables (according to DIN EN IEC 61537 standard)



Warning : the deflection is measured with a junction position between 2 cable trays at a distance L/5 from the support. If this distance is not respected, it is necessary to raise the deflection values by approx. 30%.



## GRP cable trays

pultruded, not perforated

Item ref.	RAL colour	Height	Width B	Material thickness (th)	EAN code	Weight 100 units m	Min. pack.
		mm	mm	mm		m	
K23 KP 80.100	7032	80	100	2,5	952434	148	3 m
K23 KP 80.150	7032	80	150	2,5	952441	200	3 m
K23 KP 80.200	7032	80	200	2,5	952458	240	3 m
K23 KP 80.300	7032	80	300	3,2	952465	363	3 m
K23 KP 80.100/6	7032	80	100	2,5	952519	148	6 m
K23 KP 80.150/6	7032	80	150	2,5	952526	200	6 m
K23 KP 80.200/6	7032	80	200	2,5	952533	240	6 m
K23 KP 80.300/6	7032	80	300	3,2	952540	363	6 m

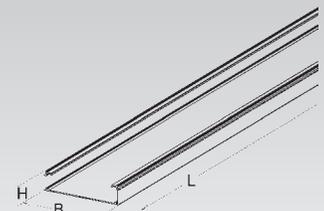
Due to the expansion of the material, the following points during installation must be observed :

The supporting systems must not be fixed close to the splice plates

For fixing the cables trays on brackets, you need to drill a 9 mm diameter hole for the fixing of the cable tray base with bolts M6x20 V4A

When fixing the splice plates KPGH..., an expansion distance of about 3 mm must be considered.

The splice plates KPGH.../ KPIH... V4A are not included in the cables trays, please order them separately.



## End cap for cable tray

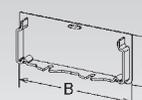
pultruded

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 KPKE 80.100	7032	80	100	955428	8	1 p.
K23 KPKE 80.150	7032	80	150	955435	11	1 p.
K23 KPKE 80.200	7032	80	200	955442	13	1 p.
K23 KPKE 80.300	7032	80	300	955459	20	1 p.

for the cable tray ends

Used for: Cable tray H50, H80, KP..., KPL... and cable truncing LFG...

Mounting accessories required : 2 bolts M6x16 V4A ( to be ordered separately )



## Clipsable splice plate

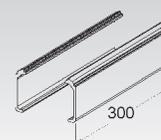
pultruded, horizontal

Item ref.	RAL colour	Height	EAN code	Weight 100 units	Min. pack.
		mm			
K23 KPGH 80	7032	69	955718	22,5	1 set

for the connection of cable trays and the fittings H80, with splice plates H80 should be clipped on both cable trays sides.

**Need: 2 pieces for each cut**

During the assembly, an expansion gap of 3 mm for dilatation must be considered.



## Separator

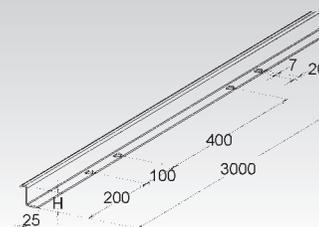
pultruded

Item ref.	RAL colour	Height	EAN code	Weight 100 units m	Min. pack.
		mm			
K23 KPT 80	7032	65	953134	42	3 m
K23 KPT 80/M	7032	65	953158	42	3 m

to separate cables with different functions and / or to separate voltages

The divider KPT80 is delivered not mounted, it can be fixed in the cable tray with a bolt M 6x16 V4A each meter.

The divider KPT80/M can be delivered pre-mounted (riveted ), the position inside the cable tray must be defined in the purchase order.



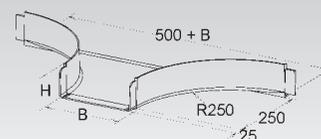
## GRP tee junction for cable tray, large radius

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 KPST 80.100/P	7032	80	100	954759	78,0	1 p.
K23 KPST 80.150/P	7032	80	150	967629	78,0	1 p.
K23 KPST 80.200/P	7032	80	200	954766	90,0	1 p.
K23 KPST 80.300/P	7032	80	300	954773	108,5	1 p.

During the assembly, every fitting must be supported at each end, at the cable entry.

To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.



## GRP elbow 45°, small radius

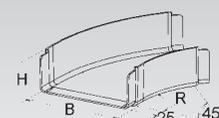
pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	Radius R	EAN code	Weight 100 units pc	Min. pack.
		mm	mm	mm			
K23 KPC 80.100/P	7032	80	100	100	953615	22	1 p.
K23 KPC 80.150/P	7032	80	150	175	967636	32	1 p.
K23 KPC 80.200/P	7032	80	200	200	953622	45	1 p.
K23 KPC 80.300/P	7032	80	300	225	953639	85	1 p.

The piece is provided with a sleeve riveted on one side only.

During the assembly, every fitting must be supported at each end, at the cable entry.

To ensure a correct installation, the couplers must be fixed laterally by 2 bolts M6x16 V4A on each tray end.



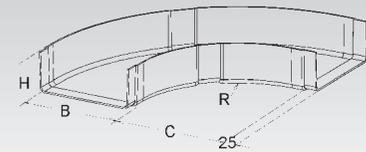
# CABLE TRAY SYSTEM KP

## GRP elbow 90°, large radius

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	C	Radius R	EAN code	Weight 100 units pc/	Min. pack.
		mm	mm	mm	mm			
K23 <b>KPB 80.100/P</b>	7032	80	100	125	100	953370	41,5	1 p.
K23 <b>KPB 80.150/P</b>	7032	80	150	200	175	967643	65,0	1 p.
K23 <b>KPB 80.200/P</b>	7032	80	200	225	200	953387	90,0	1 p.
K23 <b>KPB 80.300/P</b>	7032	80	300	250	225	953394	170,0	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 2 bolts M6x16 V4A on each tray end.



## GRP changing elevation

pressed, in 2 pieces, with interlocking coupler

Item ref.	RAL colour	Height	Width B	Height H1	Height H2	Height H3	EAN code	Weight 100 units pc/	Min. pack.
		mm	mm	mm	mm	mm			
K23 <b>KPET 80.100/P</b>	7032	80	100	160	480	800	954544	190	1 p.
K23 <b>KPET 80.150/P</b>	7032	80	150	160	480	800	967650	230	1 p.
K23 <b>KPET 80.200/P</b>	7032	80	200	160	480	800	954551	270	1 p.
K23 <b>KPET 80.300/P</b>	7032	80	300	160	480	800	954568	350	1 p.

Composed with different pieces, the changing elevation can be mounted in different heights

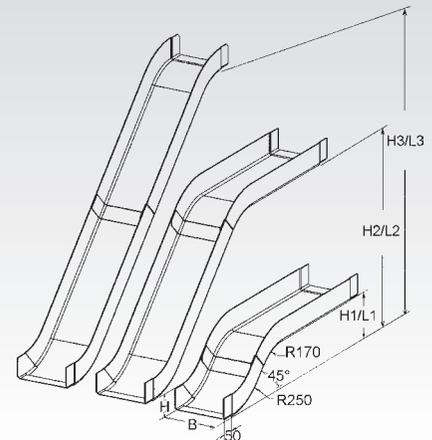
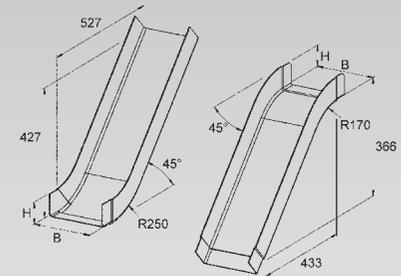
During the assembly, every fitting must be supported at each end, at the cable entry.  
To ensure a correct installation, the couplers must be fixed laterally by 2 bolts M6x16 V4A on each tray end.

The part height depends on the height and the configuration used

H1 = 160 mm => L1 = 785 mm ( a cut is necessary )

H2 = 480 mm => L2 = 1100 mm

H3 = 800 mm => L3 = 970 mm

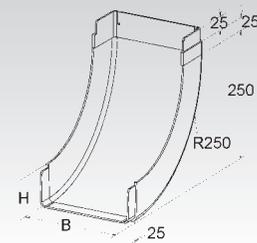


## GRP vertical inside elbow

pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 <b>KPBI 80.100/P</b>	7032	80	100	954308	50	1 p.
K23 <b>KPBI 80.150/P</b>	7032	80	150	967667	65	1 p.
K23 <b>KPBI 80.200/P</b>	7032	80	200	954315	80	1 p.
K23 <b>KPBI 80.300/P</b>	7032	80	300	954322	102	1 p.

During the assembly, every fitting must be supported at each end, and also in the center.  
To ensure a correct installation, the couplers must be fixed laterally by 4 bolts M6x16 V4A on each tray end.

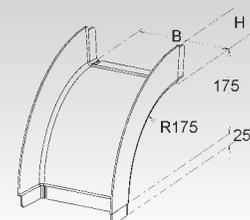


## GRP vertical outside elbow

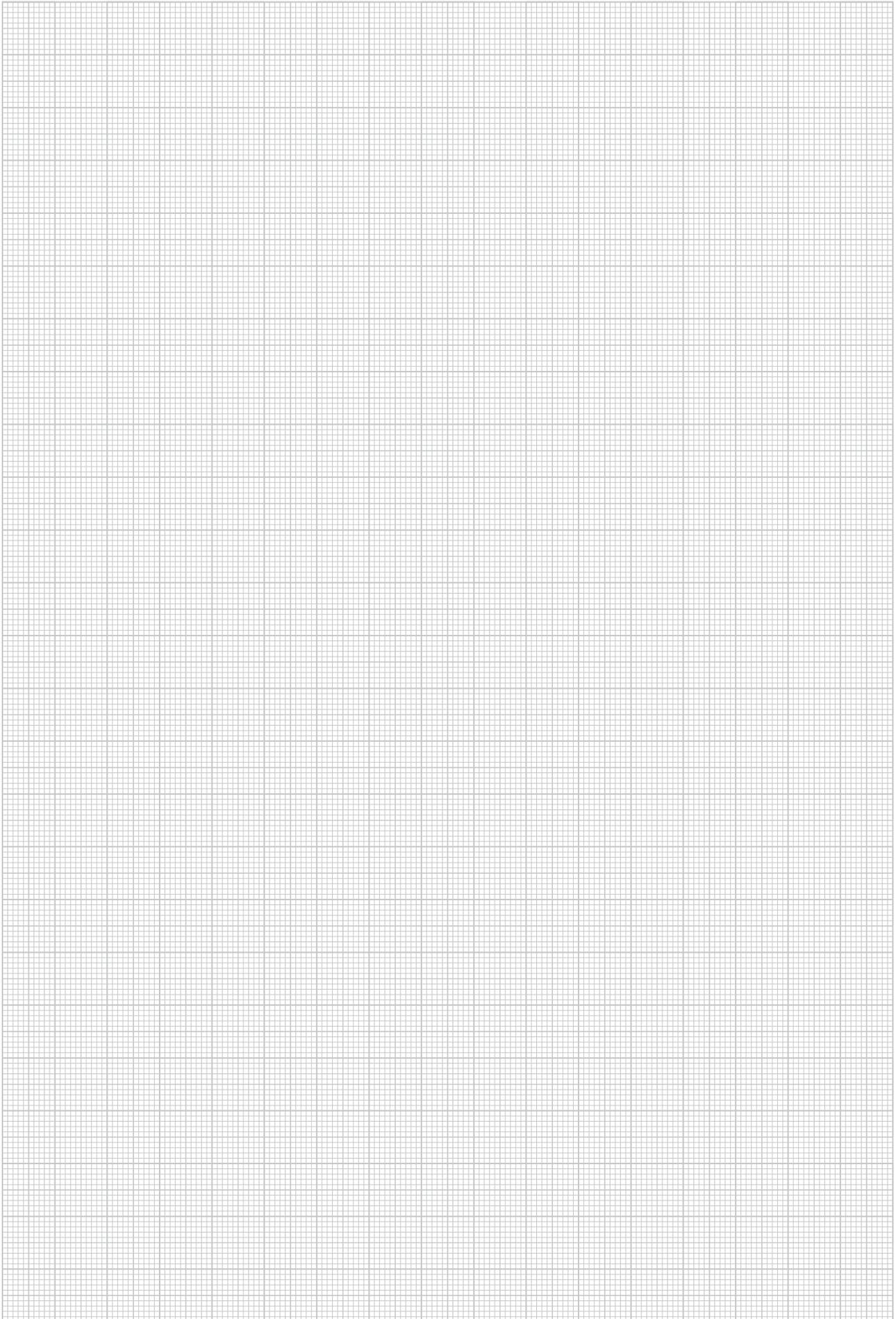
pressed, with interlocking coupler

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 <b>KPBA 80.100/P</b>	7032	80	100	954247	40	1 p.
K23 <b>KPBA 80.150/P</b>	7032	80	150	967674	50	1 p.
K23 <b>KPBA 80.200/P</b>	7032	80	200	954254	60	1 p.
K23 <b>KPBA 80.300/P</b>	7032	80	300	954261	80	1 p.

During the assembly, every fitting must be supported at each end, at the cable entry.  
To ensure a correct installation, the couplers must be fixed laterally by 2 bolts M6x16 V4A on each tray end.



# NOTES



# CABLE TRAY SYSTEM COVERS KP

## GRP cover for cable tray

pultruded

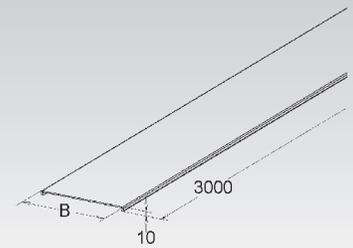
Item ref.	RAL colour	Width B mm	Material thickness (th) mm	EAN code	Weight 100 units pc/m	Min. pack.
K23 <b>KPD 60</b>	7032	60	2,0	956241	29,1	3 m
K23 <b>KPD 100</b>	7032	100	2,5	956258	52,0	3 m
K23 <b>KPD 150</b>	7032	150	2,5	956265	75,0	3 m
K23 <b>KPD 200</b>	7032	200	2,5	956272	100,0	3 m
K23 <b>KPD 300</b>	7032	300	2,5	956289	145,0	3 m

for cable trays

Used for: GRP cable trays H40, H50 and H80 KP... and KPL... (perforated)

To ensure a correct and strong installation of the cable trays and covers, a minimum distance of 3 mm for dilatation must be considered for both parts.

Fast fix clip of covers. In extreme windy conditions (strong winds, storms for example), we recommend to add cover clips DF...V4A.



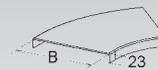
## GRP cover for horizontal elbow 45°, small radius

pressed

Item ref.	RAL colour	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKCD 100</b>	7032	100	956456	12	1 p.
K23 <b>KKCD 150</b>	7032	150	956463	23	1 p.
K23 <b>KKCD 200</b>	7032	200	956470	33	1 p.
K23 <b>KKCD 250</b>	7032	250	956487	50	1 p.
K23 <b>KKCD 300</b>	7032	300	956494	51	1 p.
K23 <b>KKCD 400</b>	7032	400	956500	138	1 p.
K23 <b>KKCD 500</b>	7032	500	956517	150	1 p.
K23 <b>KKCD 600</b>	7032	600	956524	173	1 p.

Used for: Elbow 45° H50, H80 and H110 mm, KKCD... and KPC.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



## Cover for horizontal elbow 90°, large radius

pressed

Item ref.	RAL colour	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKBD 100</b>	7032	100	956371	19,5	1 p.
K23 <b>KKBD 150</b>	7032	150	956388	43,0	1 p.
K23 <b>KKBD 200</b>	7032	200	956395	68,0	1 p.
K23 <b>KKBD 250</b>	7032	250	956401	97,0	1 p.
K23 <b>KKBD 300</b>	7032	300	956418	115,0	1 p.
K23 <b>KKBD 400</b>	7032	400	956425	241,0	1 p.
K23 <b>KKBD 500</b>	7032	500	956432	334,0	1 p.
K23 <b>KKBD 600</b>	7032	600	956449	403,0	1 p.

Used for: Horizontal elbow 90°, large radius, H50, H80 and H110, KKB... and KPB.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



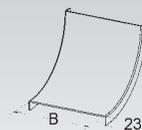
## GRP cover for vertical inside elbow

pressed

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKBID 50.050</b>	7032	50	50	956814	5	1 p.
K23 <b>KKBID 50.100</b>	7032	50	100	956821	20	1 p.
K23 <b>KKBID 50.150</b>	7032	50	150	956838	42	1 p.
K23 <b>KKBID 50.200</b>	7032	50	200	956845	50	1 p.
K23 <b>KKBID 50.300</b>	7032	50	300	956852	63	1 p.

Used for: Vertical inside elbow 50 mm high, KKBID... and KPBI.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



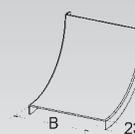
### GRP cover for vertical inside elbow

pressed

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKBID 80.100</b>	7032	80	100	956869	18,0	1 p.
K23 <b>KKBID 80.150</b>	7032	80	150	956876	24,5	1 p.
K23 <b>KKBID 80.200</b>	7032	80	200	956883	33,0	1 p.
K23 <b>KKBID 80.250</b>	7032	80	250	956890	40,0	1 p.
K23 <b>KKBID 80.300</b>	7032	80	300	956906	45,5	1 p.
K23 <b>KKBID 80.400</b>	7032	80	400	956913	61,0	1 p.
K23 <b>KKBID 80.500</b>	7032	80	500	956920	73,0	1 p.
K23 <b>KKBID 80.600</b>	7032	80	600	956937	95,0	1 p.

Used for: Vertical inside elbow 80 mm high, KKBID... and KPBI.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



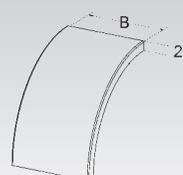
### GRP cover for vertical outside elbow

pressed

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKBAD 50.050</b>	7032	50	50	956623	7,8	1 p.
K23 <b>KKBAD 50.100</b>	7032	50	100	956630	10,0	1 p.
K23 <b>KKBAD 50.150</b>	7032	50	150	956647	42,0	1 p.
K23 <b>KKBAD 50.200</b>	7032	50	200	956654	51,0	1 p.
K23 <b>KKBAD 50.300</b>	7032	50	300	956661	65,0	1 p.

Used for: Vertical outside elbow H50 mm, KKBA... and KPBA.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



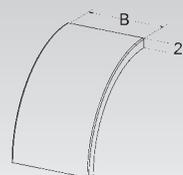
### GRP cover for vertical outside elbow

pressed

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKBAD 80.100</b>	7032	80	100	956678	29,5	1 p.
K23 <b>KKBAD 80.150</b>	7032	80	150	956685	39,0	1 p.
K23 <b>KKBAD 80.200</b>	7032	80	200	956692	51,0	1 p.
K23 <b>KKBAD 80.250</b>	7032	80	250	956708	61,0	1 p.
K23 <b>KKBAD 80.300</b>	7032	80	300	956715	72,0	1 p.
K23 <b>KKBAD 80.400</b>	7032	80	400	956722	90,0	1 p.
K23 <b>KKBAD 80.500</b>	7032	80	500	956739	120,0	1 p.
K23 <b>KKBAD 80.600</b>	7032	80	600	956746	136,0	1 p.

Used for: Vertical outside elbow H80 mm, KKBA... and KPBA.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



### GRP cover for changing elevation

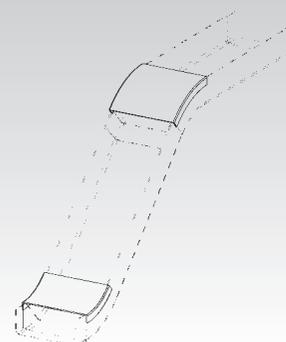
pressed

Item ref.	RAL colour	Height mm	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKETD 50.100</b>	7032	50	100	957002	20	1 p.
K23 <b>KKETD 50.150</b>	7032	50	150	957019	41	1 p.
K23 <b>KKETD 50.200</b>	7032	50	200	957026	40	1 p.
K23 <b>KKETD 50.300</b>	7032	50	300	957033	60	1 p.

- 1 KKETD is composed of :
- 1 GRP cover for inside elbow
  - 1 GRP cover for outside elbow

Used for: Changing elevation H50 mm KKET... and KPET.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



# CABLE TRAY SYSTEM COVERS KP

## GRP cover for changing elevation

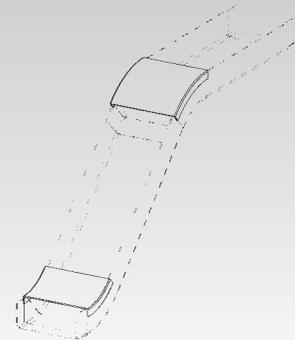
pressed

Item ref.	RAL colour	Height	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm	mm			
K23 <b>KKETD 80.100</b>	7032	80	100	957040	23,5	1 p.
K23 <b>KKETD 80.150</b>	7032	80	150	957057	31,7	1 p.
K23 <b>KKETD 80.200</b>	7032	80	200	957064	40,5	1 p.
K23 <b>KKETD 80.250</b>	7032	80	250	957071	44,0	1 p.
K23 <b>KKETD 80.300</b>	7032	80	300	957088	47,0	1 p.
K23 <b>KKETD 80.400</b>	7032	80	400	957095	61,0	1 p.
K23 <b>KKETD 80.500</b>	7032	80	500	957101	98,0	1 p.
K23 <b>KKETD 80.600</b>	7032	80	600	957118	120,0	1 p.

1 KKETD is composed of :  
 - 1 GRP cover for inside elbow  
 - 1 GRP cover for outside elbow

Used for: Changing elevation H50 mm KKET... and KPET.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



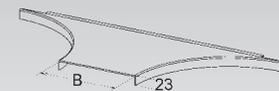
## GRP cover for tee junction, large radius

pressed, with interlocking coupler

Item ref.	RAL colour	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm			
K23 <b>KKSTD 100</b>	7032	100	957187	35	1 p.
K23 <b>KKSTD 150</b>	7032	150	957194	42	1 p.
K23 <b>KKSTD 200</b>	7032	200	957200	52	1 p.
K23 <b>KKSTD 250</b>	7032	250	957217	63	1 p.
K23 <b>KKSTD 300</b>	7032	300	957224	65	1 p.
K23 <b>KKSTD 400</b>	7032	400	957231	78	1 p.
K23 <b>KKSTD 500</b>	7032	500	957248	100	1 p.
K23 <b>KKSTD 600</b>	7032	600	957255	118	1 p.

Used for: Cover for tee junction for H50, H80 and H110 mm, KKST... and KPST.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



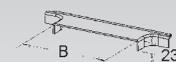
## Tee junction cover, small radius

pressed, with interlocking coupler

Item ref.	RAL colour	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm			
K23 <b>KKSSD 50</b>	7032	50	957262	5,0	1 p.
K23 <b>KKSSD 100</b>	7032	100	957279	8,0	1 p.
K23 <b>KKSSD 150</b>	7032	150	957286	9,5	1 p.
K23 <b>KKSSD 200</b>	7032	200	957293	13,0	1 p.
K23 <b>KKSSD 250</b>	7032	250	957309	14,5	1 p.
K23 <b>KKSSD 300</b>	7032	300	957316	15,5	1 p.

Used for: Tee junction for H50 and H80 mm, KKSS... and KPSS.../P

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



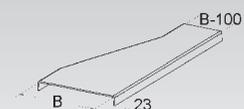
## GRP cover for right hand reduction

pressed

Item ref.	RAL colour	Width B	EAN code	Weight 100 units pc	Min. pack.
		mm			
K23 <b>KKRRD 200</b>	7032	200	957378	50,5	1 p.
K23 <b>KKRRD 300</b>	7032	300	957385	79,0	1 p.
K23 <b>KKRRD 400</b>	7032	400	957392	119,0	1 p.
K23 <b>KKRRD 500</b>	7032	500	957408	131,0	1 p.
K23 <b>KKRRD 600</b>	7032	600	957415	160,0	1 p.

Used for: Right hand reduction H50, H80 and H110 mm, KKRR...

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



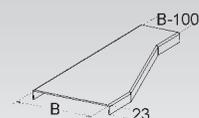
## GRP cover for left hand reduction

pressed

Item ref.	RAL colour	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 <b>KKRLD 200</b>	7032	200	957323	49	1 p.
K23 <b>KKRLD 300</b>	7032	300	957330	75	1 p.
K23 <b>KKRLD 400</b>	7032	400	957347	110	1 p.
K23 <b>KKRLD 500</b>	7032	500	957354	147	1 p.
K23 <b>KKRLD 600</b>	7032	600	957361	160	1 p.

Used for: Reduction H50, 80 and 110 mm, KKRL...

Covers are attached by using stainless steel cover clips DF...V4A, DF M... and DFUB... In extreme weather conditions, strong winds, storms for example, the quantity of clips must be increased.



## Cover fixing clip

stainless steel

Item ref.	Height mm	EAN code	Weight 100 units pc.	Min. pack.
E4 <b>DF 50 E4</b>	55	957873	1,7	50 p.
E4 <b>DF 80 E4</b>	85	957880	2,1	50 p.

for fixing the cables tray covers and fittings

Used for: Cable tray cover KKD... and KPD...

Cover for fittings KKCD..., KKBD..., KKWD..., KKBAD..., KKBID..., KKETD..., KKSTD..., KKSSD..., KKRLD... and KKRRD...

Under normal conditions, it is recommended to mount 1 clip each meter alternatively every 3 meters. Under extreme weather conditions, such as strong winds or storms, the quantity of clips must be increased.



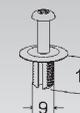
## Cover fixing

Item ref.	EAN code	Weight 100 units pc.	Min. pack.
K01 <b>DF M</b>	957927	0,2	50 p.

Used for: Cover for cable tray KKD... and KPD...

Cover for fittings KKCD..., KKBD..., KKWD..., KKBAD..., KKBID..., KKETD..., KKSTD..., KKSSD..., KKRLD... und KKRRD...

For fixing the cover, it is necessary to drill a 8,2 mm diameter hole for the diameter. In extreme weather conditions such as strong winds, for example, the quantity of clips must be increased.



## Cover fixing

Item ref.	EAN code	Weight 100 units	Min. pack.
★ E4 <b>DFUB 5.5X19 E4</b>	062065	0,64	50 p.

Used for: Cover for cable tray KKD... and KPD...

Cover for fittings KKCD..., KKBD..., KKWD..., KKBAD..., KKBID..., KKETD..., KKSTD..., KKSSD..., KKRLD... und KKRRD...

For fixing the cover, it is necessary to drill a 8,2 mm diameter hole for the diameter. In extreme weather conditions such as strong winds, for example, the quantity of clips must be increased.



# CABLE TRAY SYSTEM ACCESSOIRES KP

## Rack for cables

pressed, standard

Item ref.	RAL colour	Width B mm	EAN code	Weight 100 units pc	Min. pack.
K23 KR 100	7032	100	955466	2,4	1 p.
K23 KR 150	7032	150	955473	3,1	1 p.
K23 KR 200	7032	200	955480	4,0	1 p.
K23 KR 250	7032	250	955497	6,0	1 p.
K23 KR 300	7032	300	955503	6,7	1 p.
K23 KR 400	7032	400	955510	11,0	1 p.
K23 KR 500	7032	500	955527	16,0	1 p.
K23 KR 600	7032	600	955534	20,0	1 p.
K23 KR 100/M	7032	100	955541	2,4	1 p.
K23 KR 150/M	7032	150	955558	3,1	1 p.
K23 KR 200/M	7032	200	955565	4,0	1 p.
K23 KR 250/M	7032	250	955572	6,0	1 p.
K23 KR 300/M	7032	300	955589	6,7	1 p.
K23 KR 400/M	7032	400	955596	11,0	1 p.
K23 KR 500/M	7032	500	955602	16,0	1 p.
K23 KR 600/M	7032	600	955619	20,0	1 p.

for fixing the cables with cable ties in the vertical rack

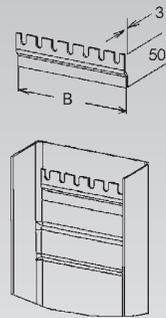
The rack for cables KR is delivered not mounted and must be screwed on the cable tray base with 2 bolts M...V4A at each meter.

The rack for cables KR.../M can be delivered pre-mounted (riveted), the position must be defined in the purchase order.

Used for: Cable tray H50, H80 and H110 mm, KK..., KKL..., KP..., KPL...

For a wall or ceiling mounting, the cable tray supports must be adjusted properly in order to obtain all cable trays on a straight line.

The mounting straps must be ordered separately



## Separating stud

pultruded

Item ref.	EAN code	Weight 100 units m	Min. pack.
K01 TB	957934	1	1 p.

for an easy mounting of cables and connections

Not suitable when the cable tray is mounted vertically (not horizontally)

When mounting the separating stud, it is necessary to drill a 10 mm hole diameter in the base.



## Dome head bolt

Included nut and washer

Item ref.	Thread M	Length L mm	EAN code	Weight 100 units pc	Min. pack.
E4 FKM 6X16 E4	6	16	962693	1,2	100 p.
E4 FKM 6X20 E4	6	20	962709	1,4	100 p.

Also named M6x16V4A for FKM 6x16 E4, M6x20V4A for FKM 6x20 E4, M8x20PA6 for FKM 8x20 K01, M10x30V4A for SKM 10x30 E4



## Dome head bolt

Included nut and washer

Item ref.	Thread M	Length L mm	EAN code	Weight 100 units pc	Min. pack.
K01 FKM 8X20 K01	8	20	962716	0,4	100 p.

Also named M6x16V4A for FKM 6x16 E4, M6x20V4A for FKM 6x20 E4, M8x20PA6 for FKM 8x20 K01, M10x30V4A for SKM 10x30 E4



## Hexagon head bolt

Included nut and washer

Item ref.	Thread M	Length L mm	EAN code	Weight 100 units pc	Min. pack.
E4 SKM 10X30 E4	10	30	962730	4,5	100 p.
E4 SKM 10X40 E4	10	40	962747	5,1	100 p.

Also named M6x16V4A for FKM 6x16 E4, M6x20V4A for FKM 6x20 E4, M8x20PA6 for FKM 8x20 K01, M10x30V4A for SKM 10x30 E4



# NOTES

