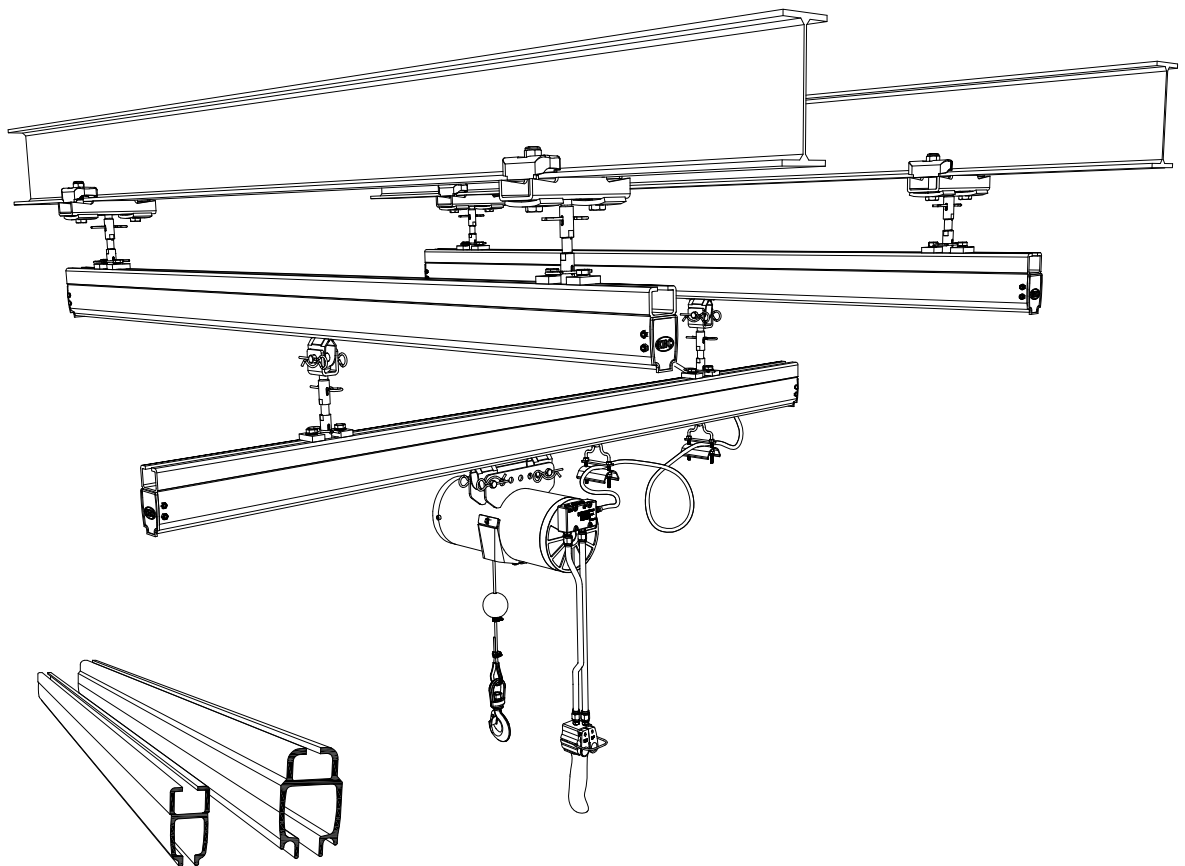


KH TRACK SYSTEM

KTA-I, II Construction Aluminum Track System and Components



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General

KH Light Tracks System(Aluminum) installations are of modular design. The basic construction kit consists of simple, well engineered components. Standardized dimensions ensure rapid erection and allow existing installations to be easily modified or extended. All the components are batch-produced using modern series production machinery and methods.

Non-driving rail system for less cost and maintenance free for major components including trolley.

Trolley is totally protected by aluminum track.

Easy for expansion modification of Existing line.

Comfortable and easy for operation and noise free during traveling.

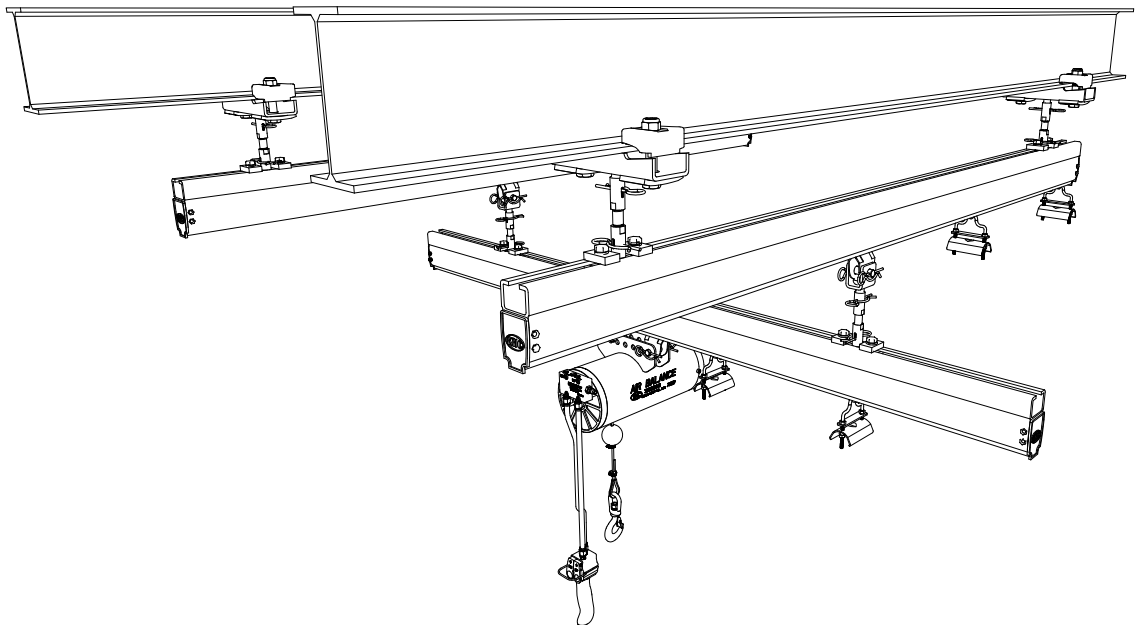
Offering flexibility against building obstruction.

Simple, fast and safe installation than conventional welding construction.

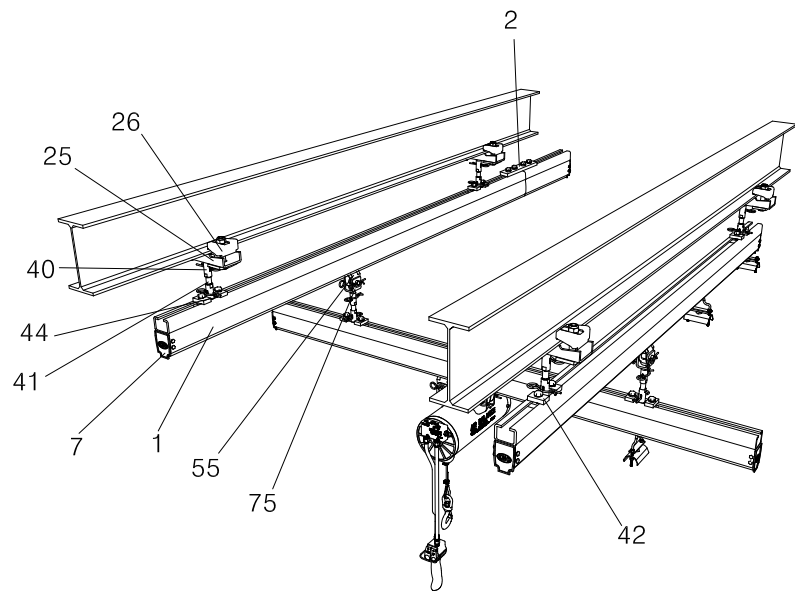
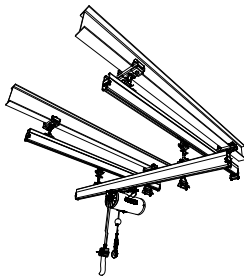
Standard fittings save cost, easy and fast dismantle for relocation. Reusable all parts.

Range of product 50~2,000kg depending on configuration. Curved track is another attractive advantage.

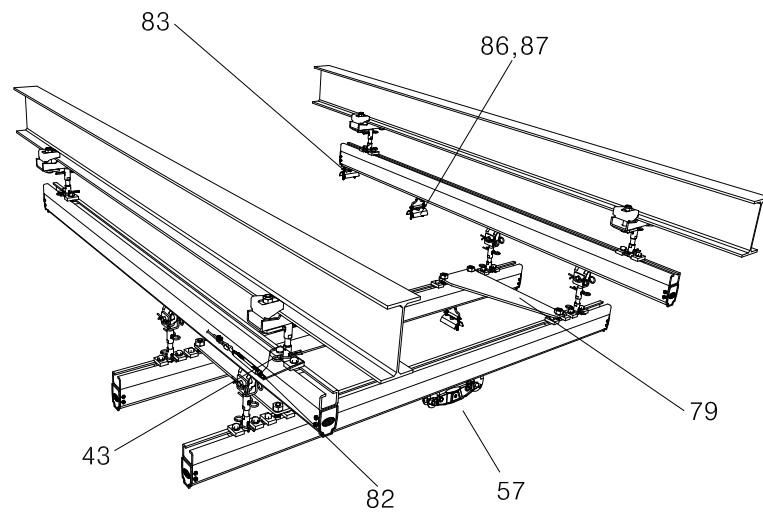
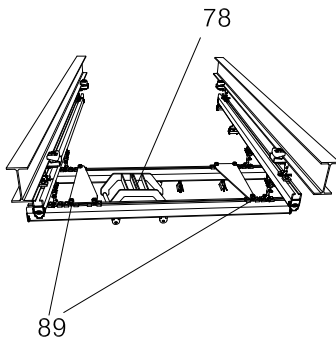
Suitable for building power supply, air supply system and transportation of various tools for assembly line application.



Single girder suspension crane



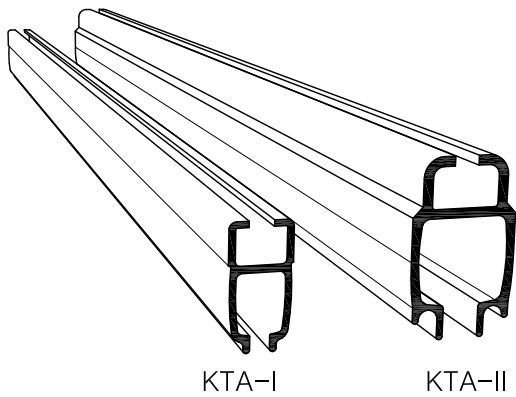
Double girder suspension crane



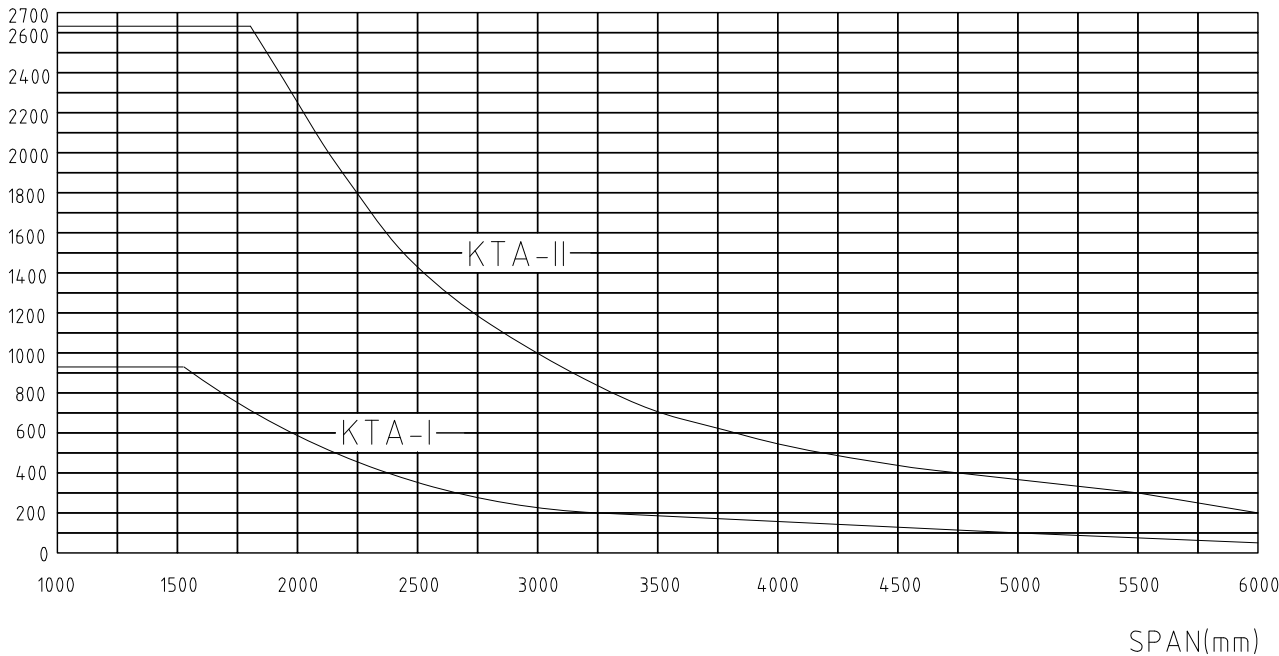
No.	Designation.	No.	Designation.	No.	Designation.
1	Aluminum track section	41	Suspension rod	75	Crane suspension eye
2	Joint kit	42	Track suspension clamp	78	Crab frame
7	End cap	43	Spring clip	79	Bracing frame
25	Upper suspension bracket	44	Ball head bolt	83	Cable clamp
26	Upper suspension clamp	55	Trolley	86,87	Cable trolley
40	Ball head suspension rod	57	Load bar	89	Attachment clamp

Diagram for crane and track selection (Aluminum)

Diagram: Spacing between supports, spans



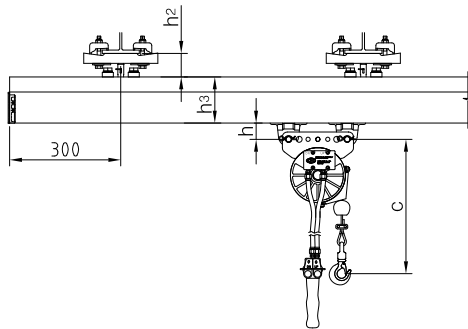
CAPACITY(kg)



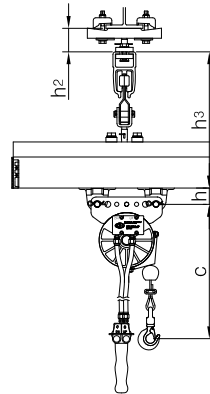
KTA Track	Adjustable headroom dist. mm		Load capacity (kg)						
			100	150	250	350	500	1000	1600
I	250	Support distance span(mm)		4125	2875	2500	2300		
II	400					5125	4200	3000	

Structural dimensions for cranes and monorail tracks (Aluminum)

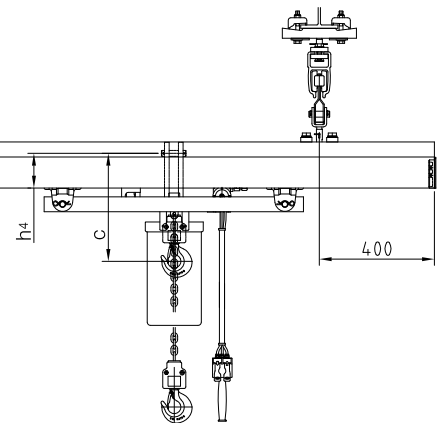
Monorail track



Single-girder crane



Double-girder crane



Structural dimension **h** mm (to center of pin)
Cranes and monorail tracks

KTA-TRACK	I	II-L	II
h (mm)	44	46	

Structural dimension **h2** mm
(Suspension from I-beam superstructure with upper suspension bracket)

KTA-TRACK	Short suspension fitting	Length of suspension rod for spring clip				
		80	100	300	600	1000
I	64	120	-	340	640	1040
II	91	-	163	363	663	1063

Structural dimension **h4** mm

	Cranes	
	KTA-Track	
KH-Track runway		
KH-Track crane girder	I	II
single-girder	99.2	169.7

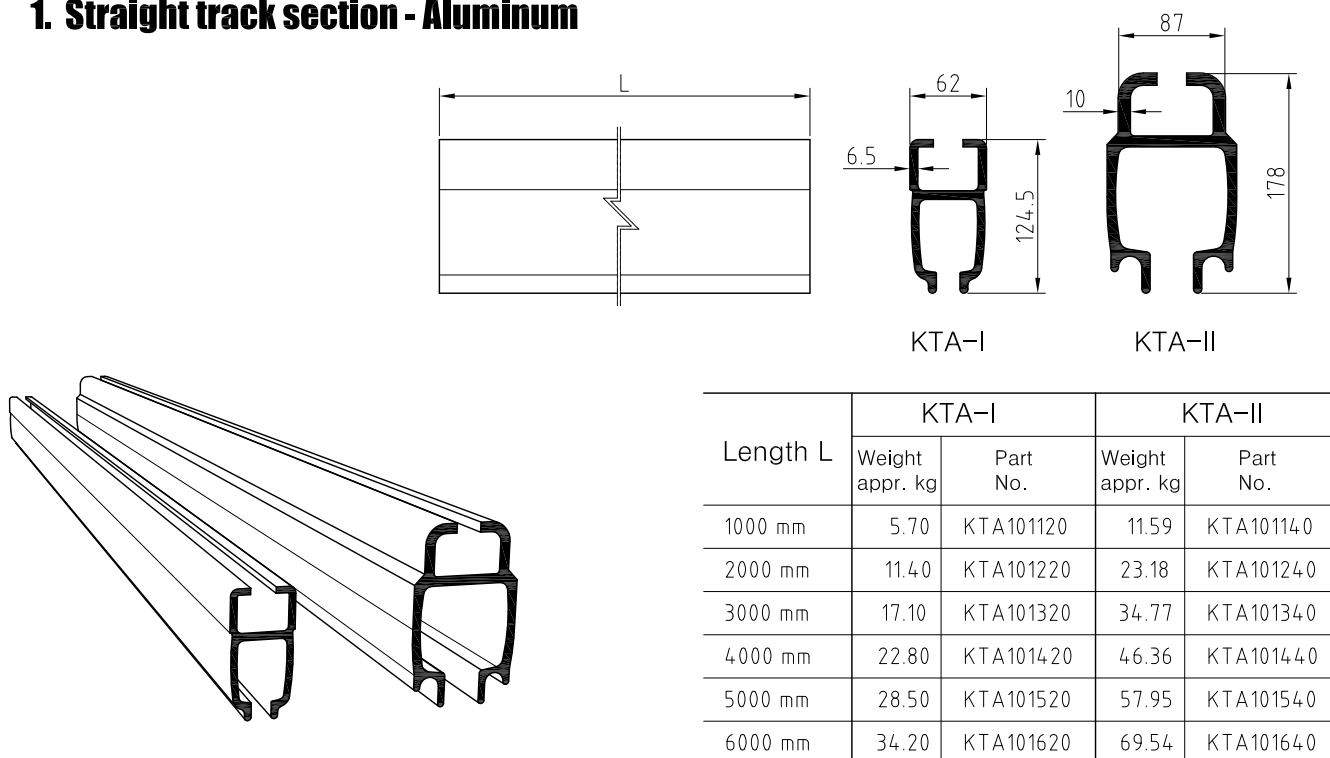
Structural dimension **h3** mm

	Cranes				Single-track monorail	
	I		II		KTA-Track	
KTA-Track runway						
KTA-Track crane girder	I	II	I	II	I	II
single-girder	367	425	430	500	124.5	178

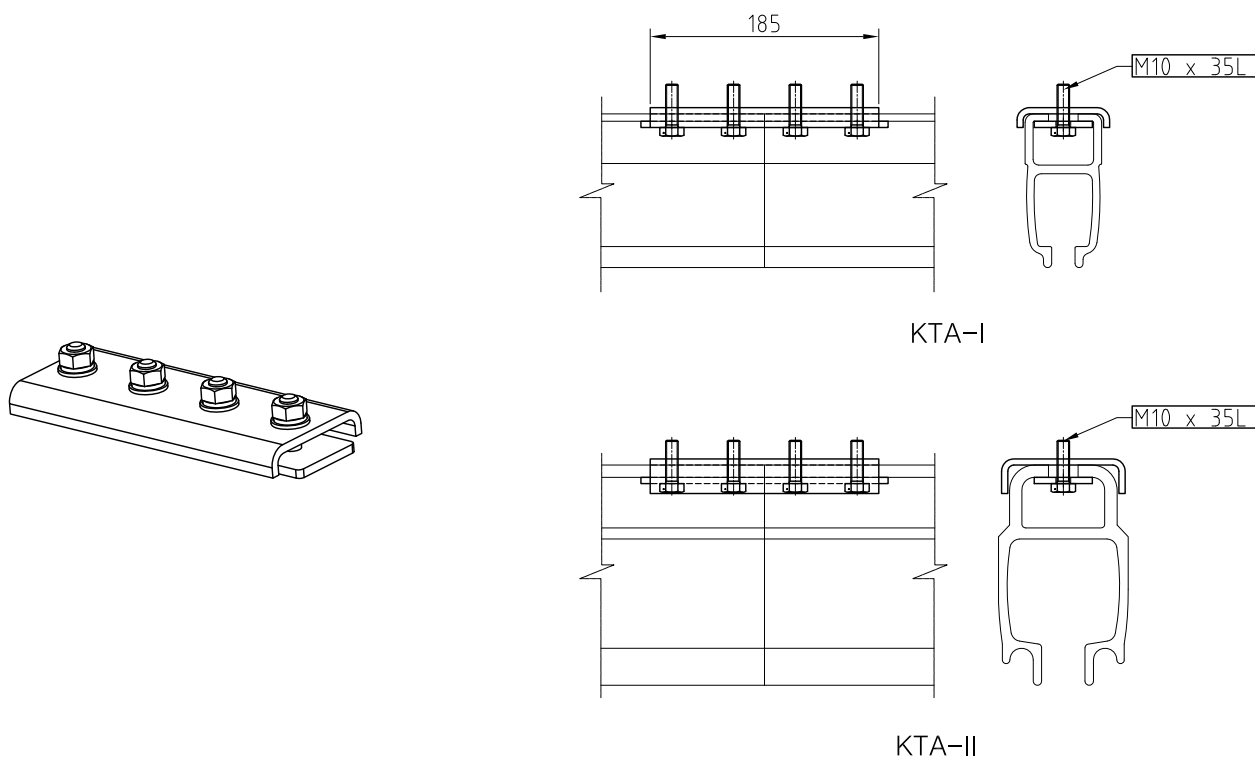
Structural dimension **C** mm

	Air Hoist				Air balance												
Model.	KA1S -025 & 050	KA1S -100	KA2S -100	KA2S -200	KAB -070 -200	KAB -100 -300	KAB -160 -200	KAB -230 -200	KAB -R200 -150	KAB -T200 -300	KAB -R320 -100	KAB -T320 -200	KAB -R450 -100	KAB -T450 -200	KAB -TR400 -150	KAB -TR640 -100	KAB -TR900 -100
C mm	420	455	462	552	600	700	700	750	700	700	700	700	750	750	700	700	750

1. Straight track section - Aluminum

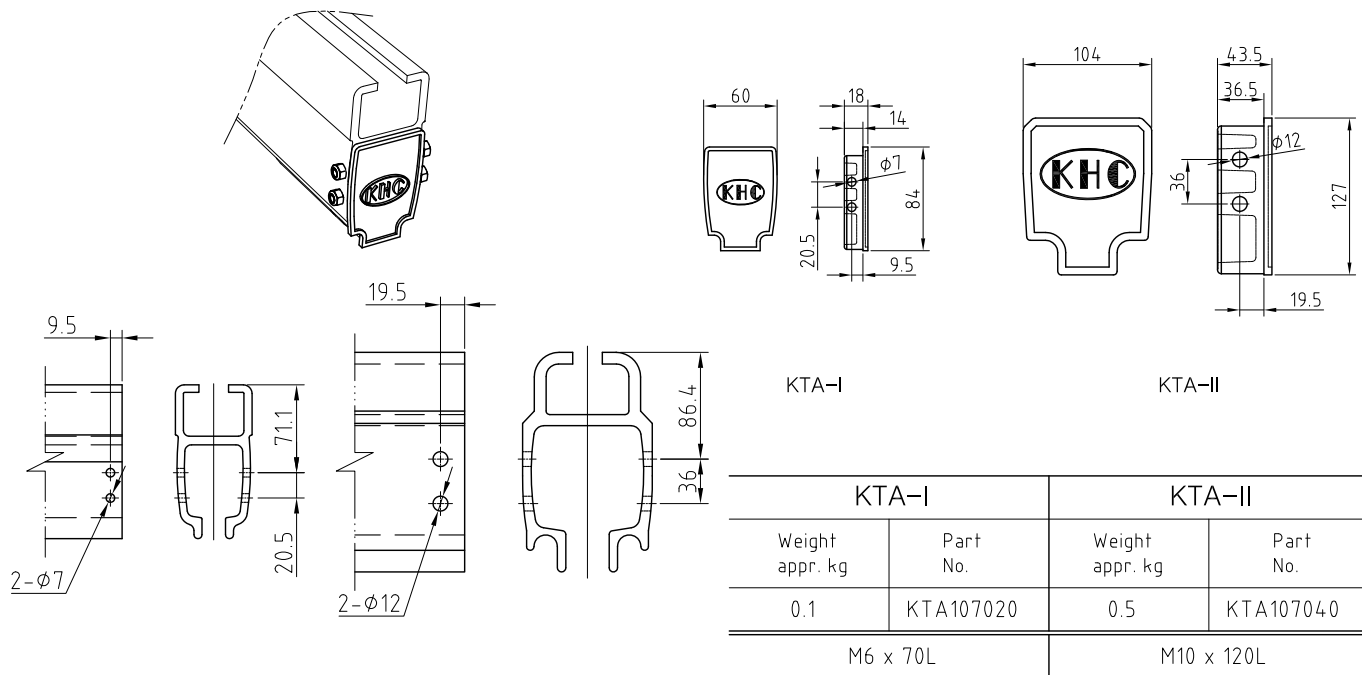


2. Joint kit

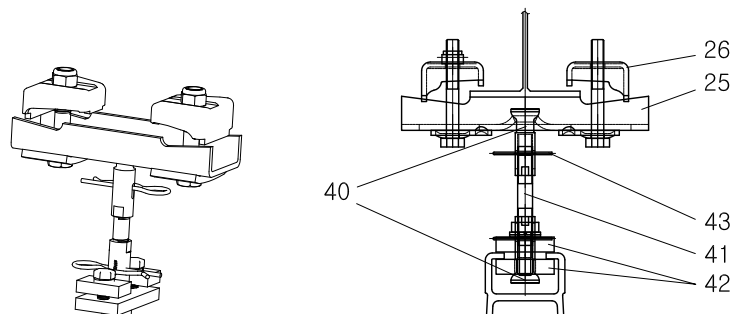


KTA-I		KTA-II	
Weight appr. kg	Part No.	Weight appr. kg	Part No.
1.6	KTA102020	2.2	KTA102040

7. End cap

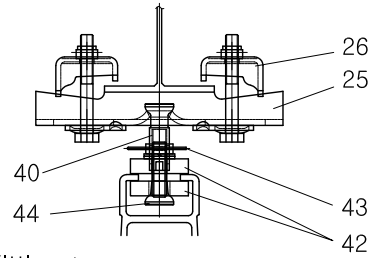
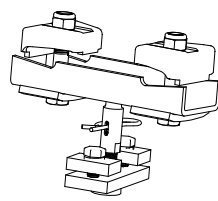


Upper suspension assembly KTA-I, II



< Normal Suspension fitting >

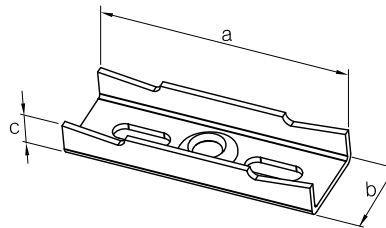
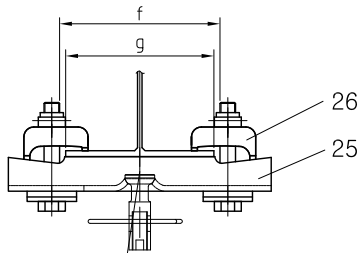
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	KTA-I Qty./susp.	Weight appr. kg	Part No.	KTA-II Qty./susp.
25	Upper suspension bracket A	0.74	KT9625120	1	1.06	KT9625140	1
	Upper suspension bracket B	0.99	KT9625220		1.32	KT9625240	
	Upper suspension bracket C	1.24	KT9625320		1.61	KT9625340	
26	Upper suspension Clamp	0.36	KT9626020	2	0.82	KT9626040	2
40	Ball head suspension rod	0.07	KT9640020	2	0.15	KT9640040	2
41	suspension rod $h_1 = 80\text{mm}$	0.06	KT9641120	1	-	-	1
	suspension rod $h_1 = 100\text{mm}$	-	-		0.13	KT9641140	
	suspension rod $h_1 = 300\text{mm}$	0.25	KT9641220		0.45	KT9641240	
	suspension rod $h_1 = 600\text{mm}$	0.33	KT9641320		1.01	KT9641340	
	suspension rod $h_1 = 1000\text{mm}$	0.53	KT9641420		1.64	KT9641440	
42	Track suspension clamp	0.73	KTA142020	1	0.71	KTA142040	1
43	Spring clip	0.01	KT9643020	2	0.02	KT9643040	2



< Short suspension fitting >

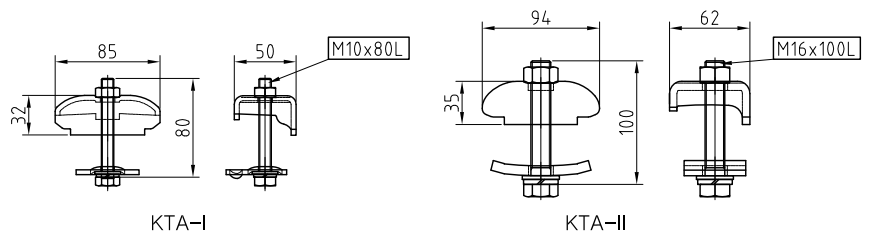
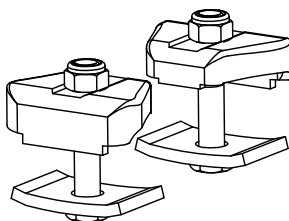
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	KTA-I Qty./susp.	Weight appr. kg	Part No.	KTA-II Qty./susp.
25	Upper suspension bracket A	0.74	KT9625120	1	1.06	KT9625140	1
	Upper suspension bracket B	0.99	KT9625220		1.32	KT9625240	
	Upper suspension bracket C	1.24	KT9625320		1.61	KT9625340	
26	Upper suspension Clamp	0.36	KT9626020	2	0.82	KT9626040	2
40	Ball head suspension rod	0.07	KT9640020	1	0.15	KT9640040	1
42	Track suspension clamp	0.73	KTA142020	1	0.71	KTA142040	1
43	Spring clip	0.01	KT9643020	1	0.02	KT9643040	1
44	Ball head bolt	0.06	KT9644020	1	0.14	KT9644040	1

25. Upper suspension bracket



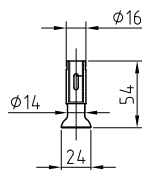
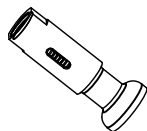
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Dimensions (mm)				Beam size g	Section category
				a	b	c	f		
25	Upper suspension bracket A	0.74	KT9625120	200	70	27	74-151	75,100,125	KTA-I
	Upper suspension bracket B	0.99	KT9625220	267	70	27	130-207	125,150,175	
	Upper suspension bracket C	1.24	KT9625320	316	70	27	172-250	175,200	
	Upper suspension bracket A	1.06	KT9625140	220	75	34	68-136	75,100,125	KTA-II
	Upper suspension bracket B	1.32	KT9625240	260	75	34	137-205	125,150,175	
	Upper suspension bracket C	1.61	KT9625340	316	75	34	164-230	175,200	

26. Upper suspension clamp

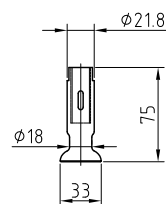


Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
26	Upper suspension clamp	0.36	KT9626020	KTA-I
		0.82	KT9626040	KTA-II

40. Ball head suspension rod



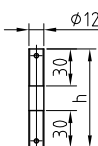
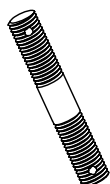
KTA-I



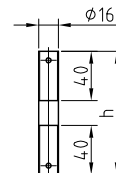
KTA-II

Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
40	Ball head suspension rod	0.07	KT9640020	KTA-I
		0.15	KT9640040	KTA-II

41. Suspension rod



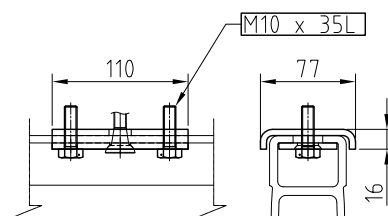
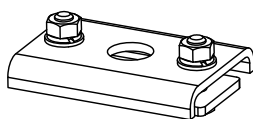
KTA-I



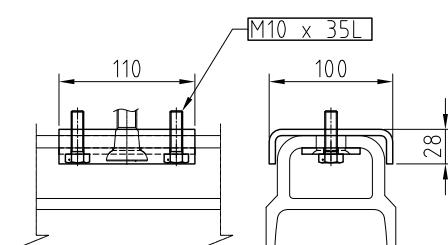
KTA-II

Item no.	Suspension fitting, vertical	h (mm)	KTA-I		KTA-II	
			Weight appr. kg	Part No.	Weight appr. kg	Part No.
41	Suspension rod	80	0.06	KT9641120	—	—
		100	—	—	0.13	KT9641140
		300	0.25	KT9641220	0.45	KT9641240
		600	0.33	KT9641320	1.01	KT9641340
		1,000	0.53	KT9641420	1.64	KT9641440

42. Track suspension clamp



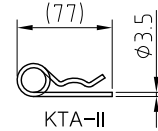
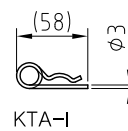
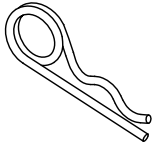
KTA-I



KTA-II

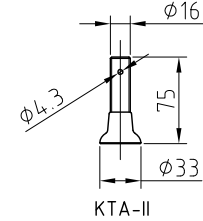
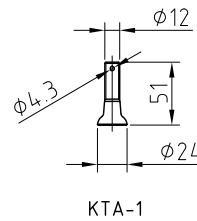
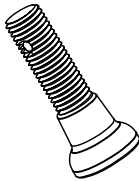
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
42	Track suspension clamp	0.73	KTA142020	KTA-I
		0.71	KTA142040	KTA-II

43. Spring clip



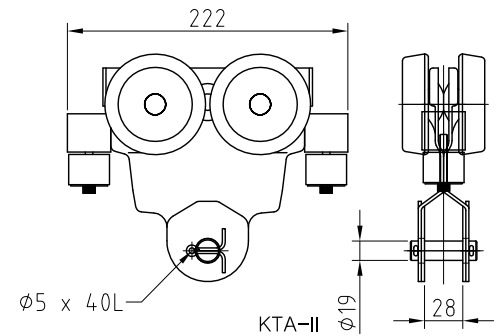
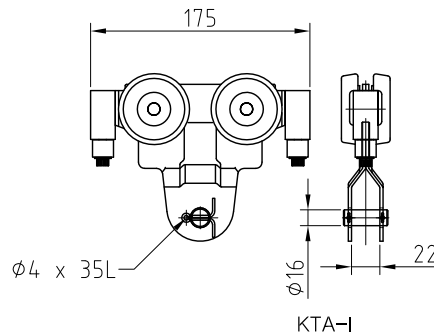
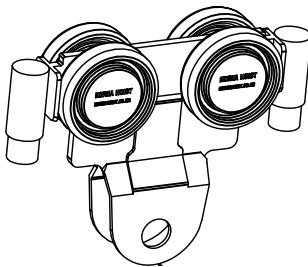
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
43	Springclip	0.01	KT9643020	KTA-I
		0.02	KT9643040	KTA-II

44. Ball head bolt



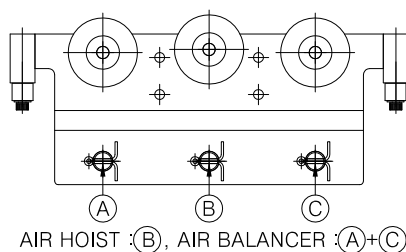
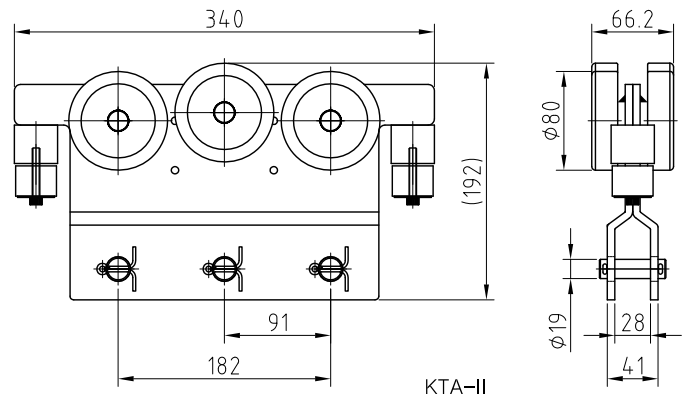
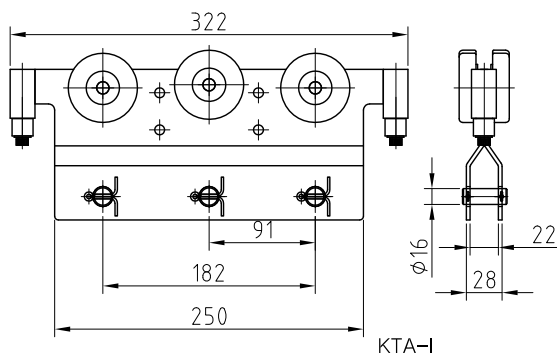
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
44	Ball head bolt	0.06	KT9644020	KTA-I
		0.14	KT9644040	KTA-II

55. Trolley



KTA-I			KTA-II		
Max. load kg	Weight appr. kg	Part No.	Max. load kg	Weight appr. kg	Part No.
300	1.0	KTA155020	600	2.3	KTA155040

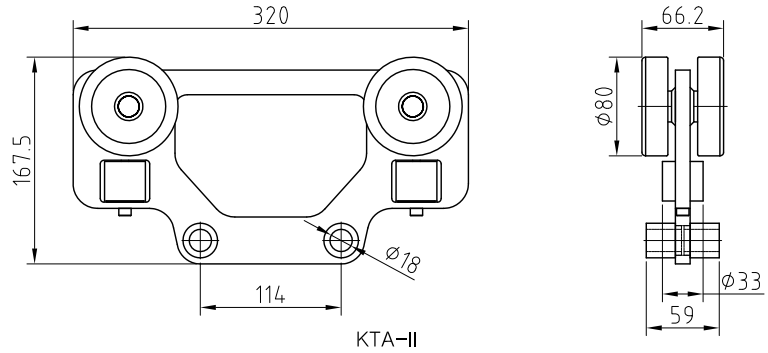
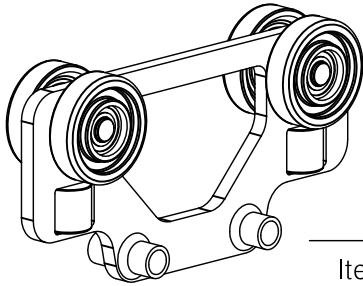
55-1. Trolley -3Wheel



KTA-I			KTA-II		
Max. load kg	Weight appr. kg	Part No.	Max. load kg	Weight appr. kg	Part No.
300	2.35	KTA155120	600	6.35	KTA155140

AIR HOIST : (B), AIR BALANCER : (A)+(C)

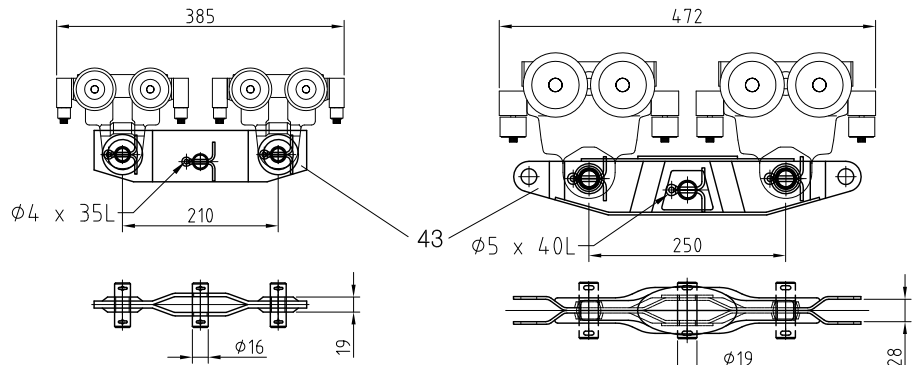
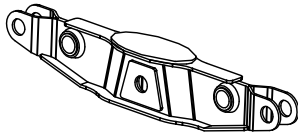
56. Trolley For AIR BALANCER



KTA-II

Item no.	Max. load kg	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
56	300	Trolley	3.7	KTA156040	KTA-II

57. Load bar

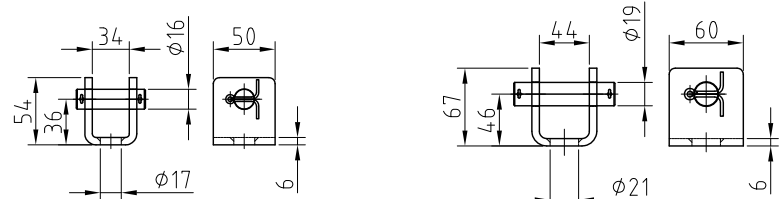
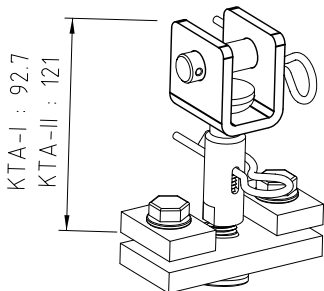


KTA-I

KTA-II

KTA-I			KTA-II		
Max.load kg	Weight appr. kg	Part No.	Max.load kg	Weight appr. kg	Part No.
600	1.26	KT9657020	1200	2.0	KT9657040

75. Crane suspension eye

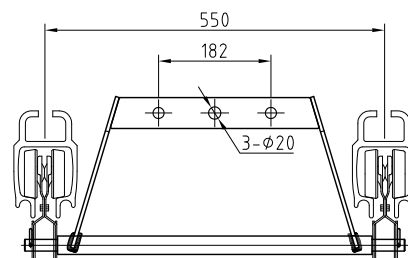
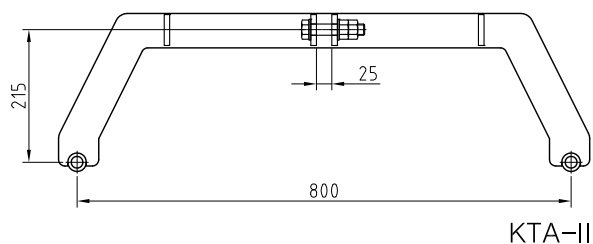
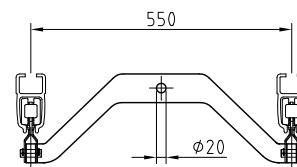
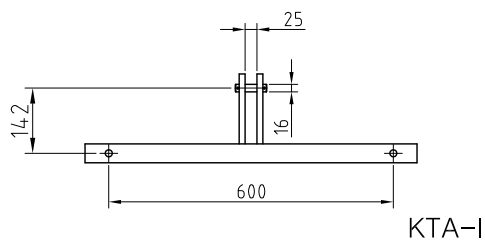
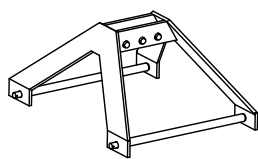


KTA-I

KTA-II

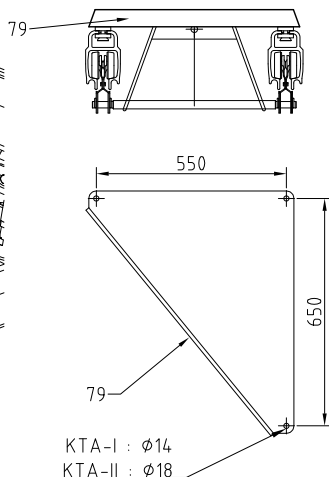
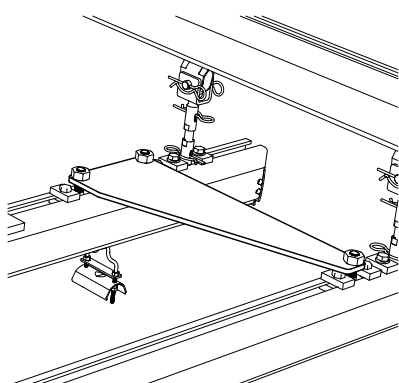
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
75	Crane suspension eye	1.2	KTA1 75020	KTA-I
		1.6	KTA1 75040	KTA-II

78. Crab frame



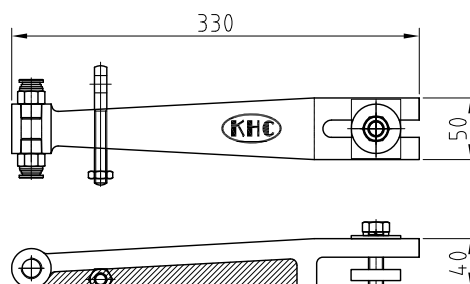
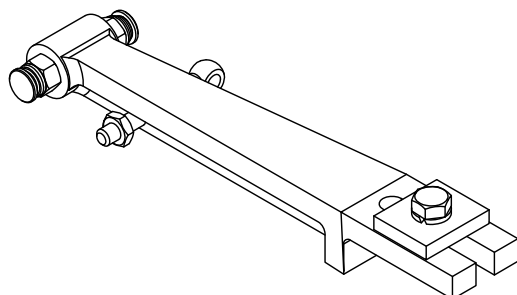
KTA-I			KTA-II		
Max. load kg	Weight appr. kg	Part No.	Max. load kg	Weight appr. kg	Part No.
600	13.0	KT9678020	1200	19.6	KT9678040

79. Bracing Frame



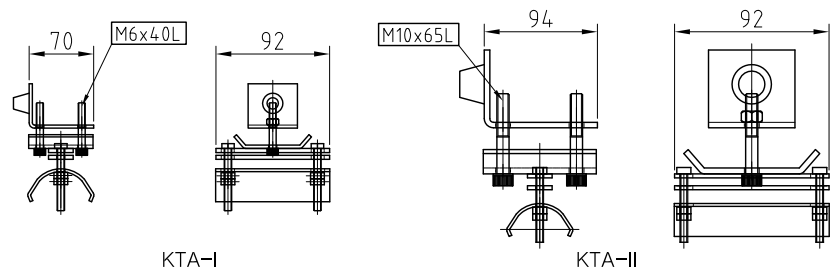
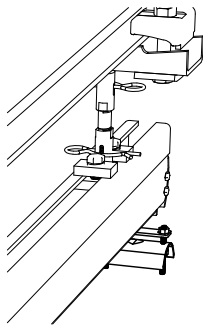
KTA-I		KTA-II	
Weight appr. kg	Part No.	Weight appr. kg	Part No.
11.0	KT9679020	11.0	KT9679040

82. Feeding cable fixture



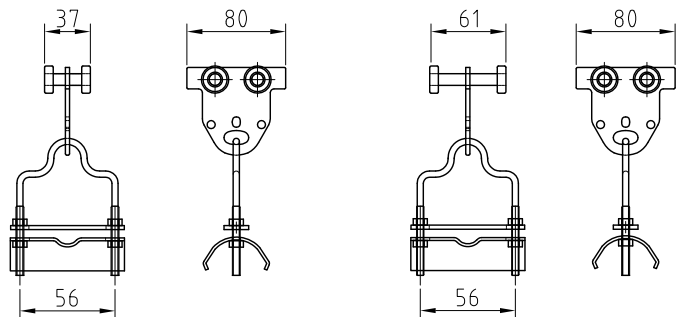
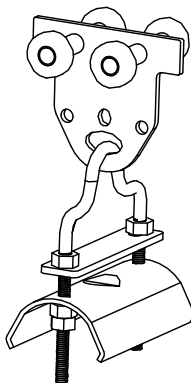
KTA-I, KTA-II	
Weight appr. kg	Part No.
1.5	KT9682020

83. Cable clamp



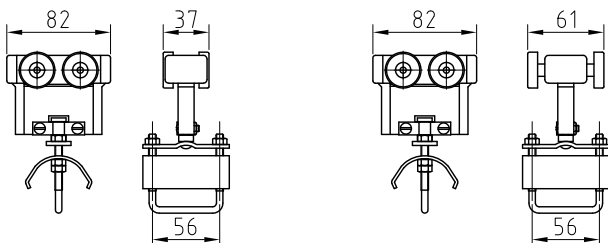
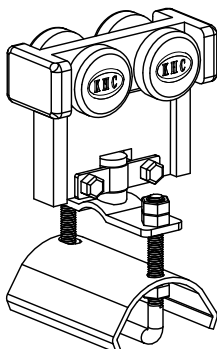
Item no.	Suspension fitting, vertical	Weight appr. kg	Part No.	Section category
83	Cable clamp	0.53	KTA183020	KTA-I
		1.14	KTA183040	KTA-II

86. Cable trolley (Steel)



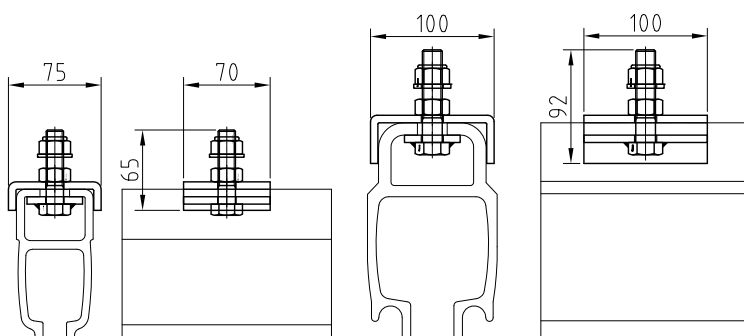
KTA-I			KTA-II		
Max. load kg	Weight appr. kg	Part No.	Max. load kg	Weight appr. kg	Part No.
40	0.3	KT9686020	40	0.4	KT9686040

87. Cable trolley (Plastic)



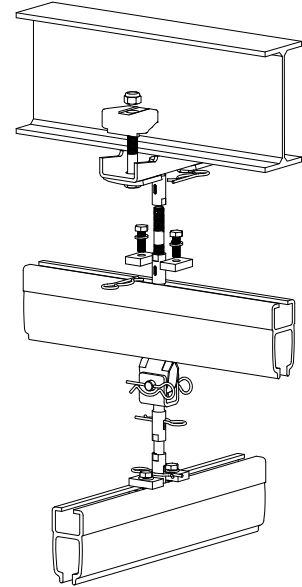
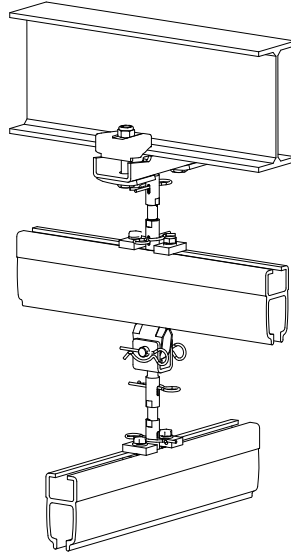
KTA-I			KTA-II		
Max. load kg	Weight appr. kg	Part No.	Max. load kg	Weight appr. kg	Part No.
30	0.2	KT9687020	30	0.22	KT9687040

89. Attachment clamp



KTA-I		KTA-II	
Weight appr. kg	Part No.	Weight appr. kg	Part No.
0.6	KTA9689020	0.95	KTA9689040

Track suspension fittings



* The content of the Manual can be changed without prior notice according to the performance enhance.



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42, MTV 4 - ro, Danwon-gu,
Ansan-si, Gyeonggi-do, Korea.
Phone:(82) 31-431-6030
Fax:(82) 31-499-3630
<http://www.koreahoist.co.kr>
E-Mail:koreahoist@koreahoist.co.kr