

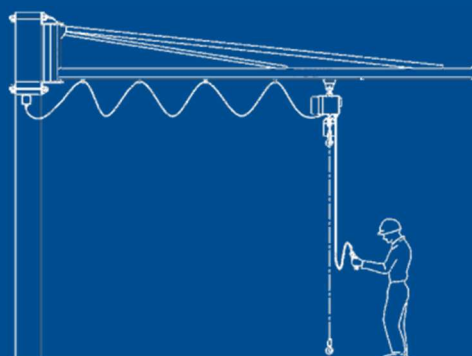
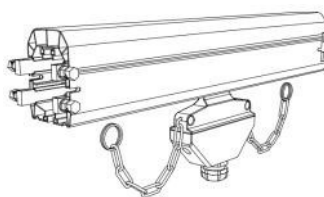
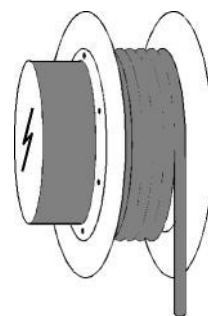
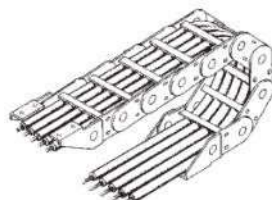
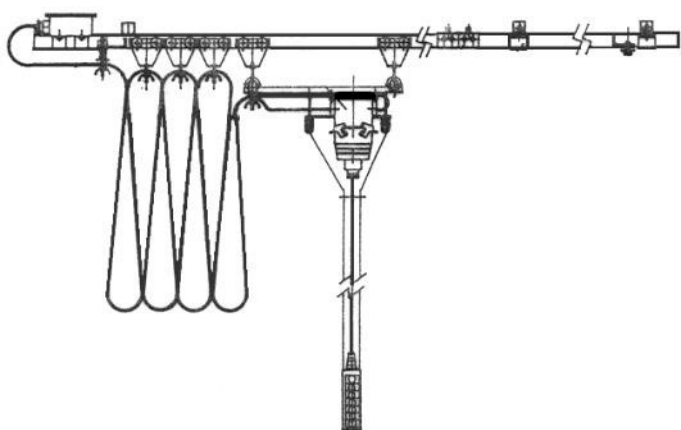


AGEMA

Member of AGEFAR Group

Keep moving, stay powered!

Power supply equipment for moving devices



CATALOGUE 2023



The Company

Founded in 1952, the public limited company **AGEMA** is a company specialised in the electrification of lifting and handling equipment, notably the festoon lines and power supply lines and busbars.

Over the years **AGEMA** has enriched its experience and extended its know-how as a manufacturer, but also through an exclusive relationship with famous brands.

It has developed a wide range of high-quality technical products offering industrial companies, in Belgium as well as abroad, a choice of solutions for light or heavy-duty works

Since 1990, **AGEMA** has been located in the Wavre industrial zone where it has a warehouse of 1000m² for storage and production. This big storage capacity not only ensures quick and efficient processing of your order (delivery within three days in 90% of cases), but also allows us to offer you competitive prices.

AGEMA currently has more than 8000 different items in its inventory and doesn't stop improving and extending its assortment. New products, notably in the field of pulling and handling, are regularly added to the catalogue.

Our Services

AGEMA has a team of 9 technical and commercial employees who will share their knowledge and experience with you and will advise you to find the best solution for your application.

The company has also a research department attentive to your specific needs and will look to achieve the maximum performance in your facilities, wherever they may be located

Need more information?

Don't hesitate to contact us.

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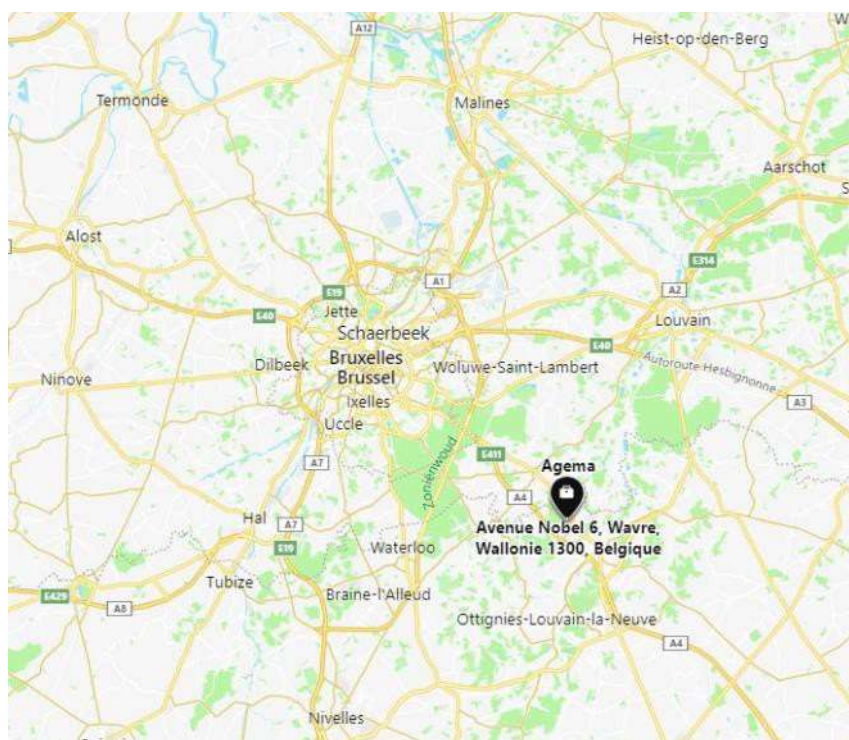
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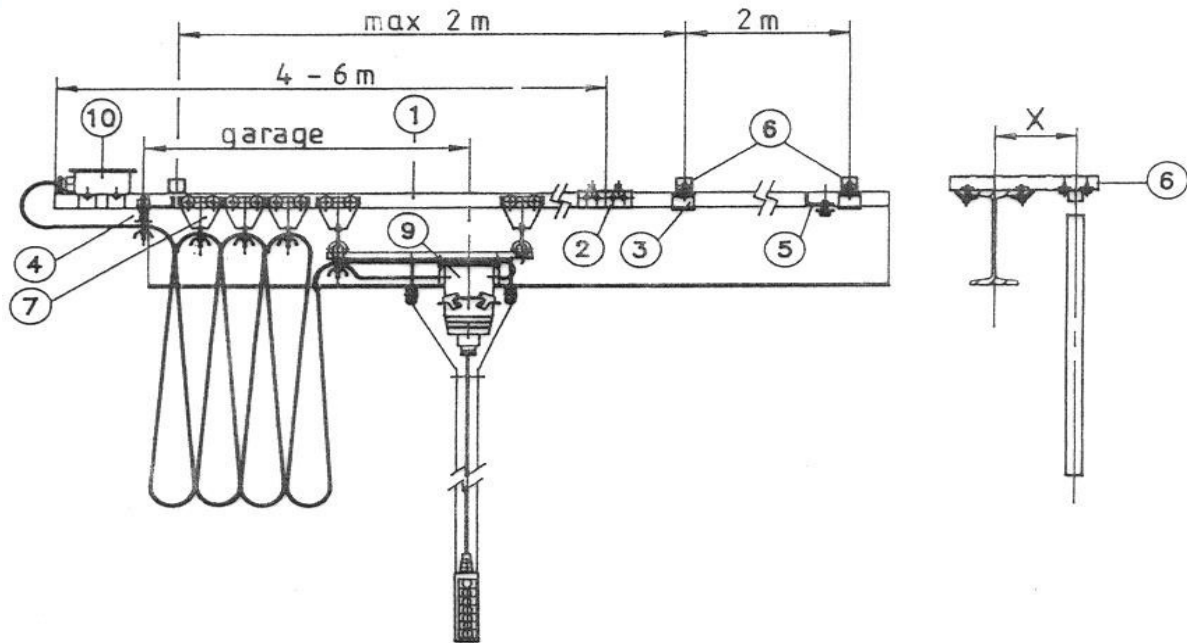
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1. Profile

- Profile of galvanized steel in standard lengths of 4 or 6 meter
- Serves as guide for the trolleys.

2. Connection piece with bolts

- To connect 2 pieces of profile

3. Suspension hook

- Destined to provide easy mounting for the profiles.
- A suspension point needs to be provided every 2 meters

4. Fixed trolley with cable connection

- Is placed at the beginning of the line and serves as a stop for the other trolleys.
- It serves as a fixing point for the flexible cables on the beginning of the line.

5. End of line stop

- Is mounted at the end of the line to ensure that the cable trolleys don't fall of the profile.

6. Standard suspension iron

- Allows the profile to be fixed at an equal distance from the wall or the rail of the overhead crane

7. Cable trolley

- Exist of a body with a cable support and 4 wheels in nylon or hardened steel
- Cables are fixed by clamping them in the support.

8. Towing trolley

- Ensures the connection between the flexible cables and the device that needs the power supply.
- This trolley pulls or pushes the other trolleys.

9. Trolley with connector

- Equipped to connect a 16 or 24 pin connector + ground (e.g. pendant control)

The profiles are protected from corrosion by galvanization or are in stainless steel (inox).

This material is also available in stainless steel (inox)316

What parts are needed and how many to use.

Profile 4m long, suspension hook and connection pieces without suspension plate Distance between 2 suspension points: 2m; height of the loops: 1m.								
Profile length	Suspension hook profile 3230	Connection Piece	Suspension iron for I profile	End stop	Fixed trolley	Cable trolley	Towing trolley	Cable length
1 m	2	0	2	1	1	0	1	4 m
2 m	2	0	2	1	1	0	1	5 m
3 m	3	0	3	1	1	1	1	6 m
4 m	3	0	3	1	1	1	1	7 m
5 m	4	1	4	1	1	2	1	8 m
6 m	4	1	4	1	1	2	1	9 m
7 m	5	1	5	1	1	3	1	10 m
8 m	5	1	5	1	1	3	1	11 m
9 m	6	2	6	1	1	4	1	12 m
10 m	6	2	6	1	1	4	1	14 m
11 m	7	2	7	1	1	5	1	15 m
12 m	7	2	7	1	1	5	1	16 m
13 m	8	3	8	1	1	6	1	17 m
14 m	8	3	8	1	1	6	1	18 m
15 m	9	3	9	1	1	7	1	19 m
16 m	9	3	9	1	1	7	1	20 m
17 m	10	4	10	1	1	8	1	21 m
18 m	10	4	10	1	1	8	1	22 m
19 m	11	4	11	1	1	9	1	23 m
20 m	11	4	11	1	1	9	1	25 m
21 m	12	5	12	1	1	10	1	26 m
22 m	12	5	12	1	1	10	1	27 m
23 m	13	5	13	1	1	11	1	28 m
24 m	13	5	13	1	1	11	1	29 m
25 m	14	6	14	1	1	12	1	30 m
26 m	14	6	14	1	1	12	1	31 m
27 m	15	6	15	1	1	13	1	32 m
28 m	15	6	15	1	1	13	1	33 m
29 m	16	7	16	1	1	14	1	34 m
30 m	16	7	16	1	1	14	1	35 m

What parts are needed and how many to use.

Profile 4m long, suspension hook and connection pieces without suspension plate.
Distance between 2 suspension points: 2m; height of the loops: 1m.

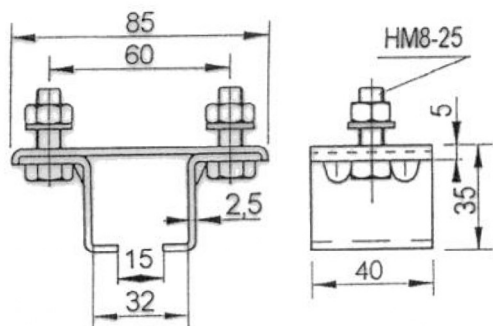
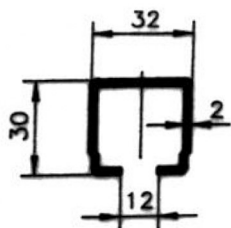
Profile length	Suspension hook profile 3230	Connection Piece	Suspension iron for I profile	End stop	Fixed trolley	Cable trolley	Towing trolley	Cable length
31 m	17	7	17	1	1	9	1	36 m
32 m	17	7	17	1	1	9	1	37 m
33 m	18	8	18	1	1	10	1	38 m
34 m	18	8	18	1	1	10	1	39 m
35 m	19	8	19	1	1	10	1	40 m
36 m	19	8	19	1	1	11	1	41 m
37 m	20	9	20	1	1	11	1	42 m
38 m	20	9	20	1	1	11	1	43 m
39 m	21	9	21	1	1	12	1	44 m
40 m	21	9	21	1	1	12	1	46 m
41 m	22	10	22	1	1	12	1	47 m
42 m	22	10	22	1	1	13	1	48 m
43 m	23	10	23	1	1	13	1	49 m
44 m	23	10	23	1	1	13	1	50 m
45 m	24	11	24	1	1	14	1	51 m
46 m	24	11	24	1	1	14	1	52 m
47 m	25	11	25	1	1	14	1	53 m
48 m	25	11	25	1	1	15	1	54 m
49 m	26	12	26	1	1	15	1	55 m
50 m	26	12	26	1	1	15	1	57 m
51 m	27	12	27	1	1	16	1	58 m
52 m	27	12	27	1	1	16	1	59 m
53 m	28	13	28	1	1	16	1	60 m
54 m	28	13	28	1	1	17	1	61 m
55 m	29	13	29	1	1	17	1	62 m
56 m	29	13	29	1	1	17	1	63 m
57 m	30	14	30	1	1	18	1	64 m
58 m	30	14	30	1	1	18	1	65 m
59 m	31	14	31	1	1	18	1	66 m
60 m	31	14	31	1	1	19	1	68 m



All measurements on the drawings are in mm

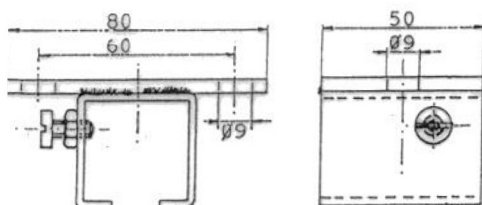
PROFILE 3230

- Part n° **50.001.01** - Galvanized profile 3230 - 1 m long
50.001.02 - Galvanized profile 3230 - 2 m long
50.001.04 - Galvanized profile 3230 - 4 m long
50.001.06 - Galvanized profile 3230 - 6 m long



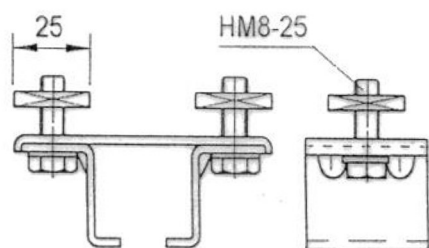
Part n° **50.002.00**

Suspension clamp + 2 x M8 x 25 DIN 933



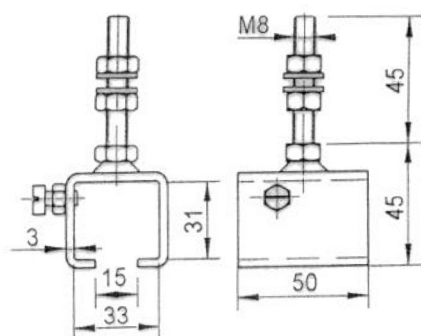
Part n° **50.002.40**

Suspension clamp to weld



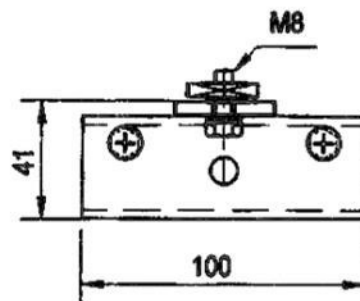
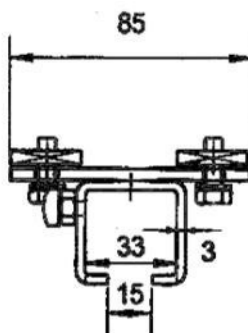
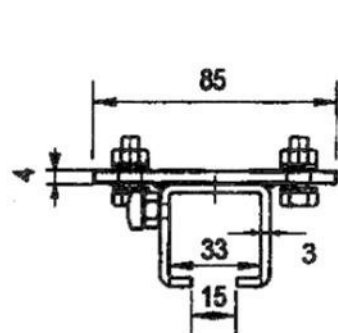
Part n° **50.002.50**

Suspension clamp + 2 rectangular nuts
 32 x 25 x 8 mm - M8



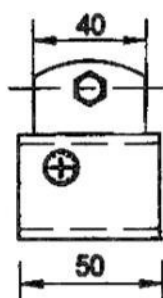
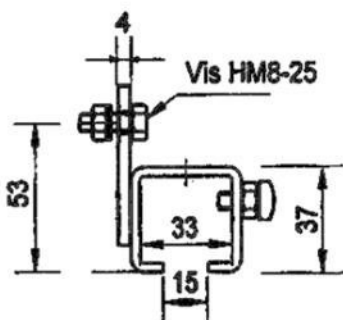
Part n° **50.003.00**

Fixed suspension clamp
 threaded end M8 x 60

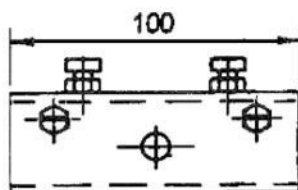
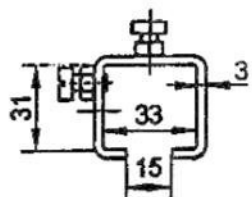


Part n° **50.004.40** – Connection suspension clamp

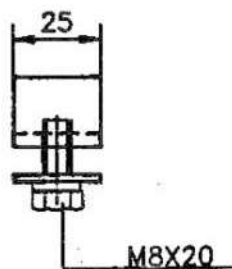
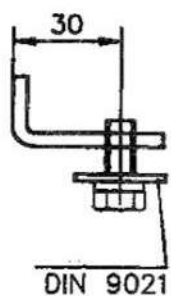
Part n° **50.004.50** – Connection suspension clamp with 2 rectangular nuts



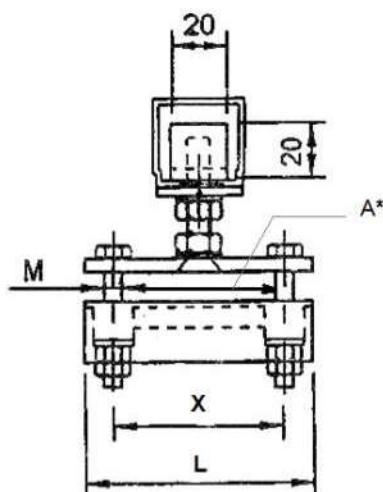
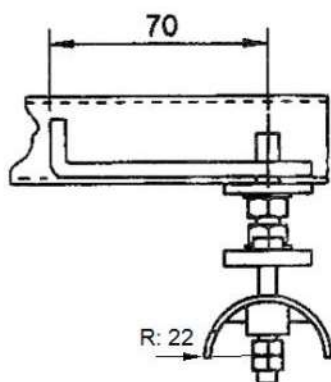
Part n° **50.003.50** – Lateral connection



Part n° **50.004.00** – Connection piece with M6 bolts

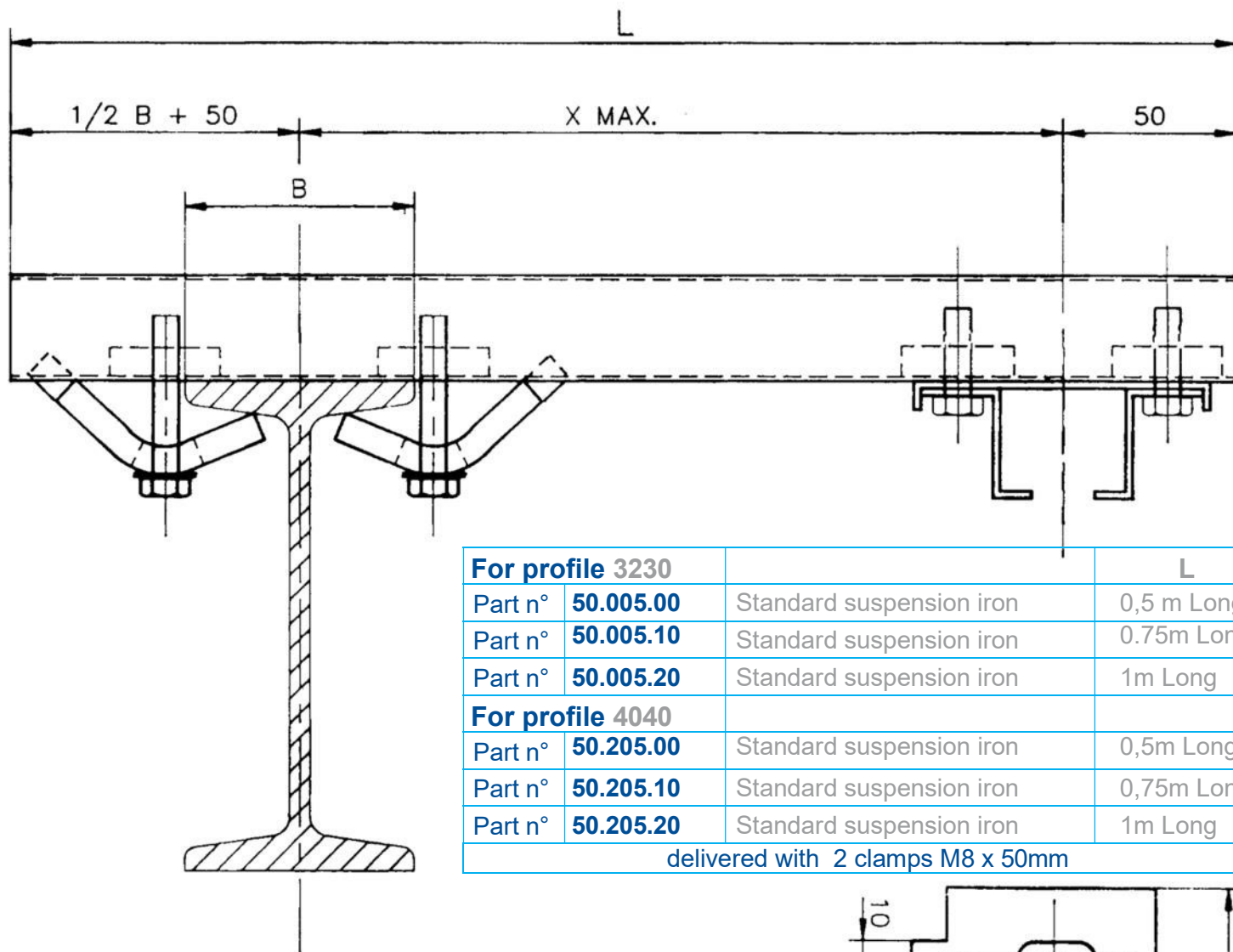


Part n° **50.006.00** – End of course

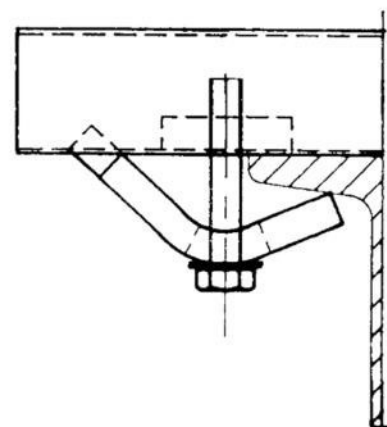
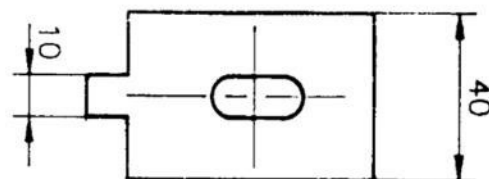


Part n°	A*	X	L
Fixed clamp for flat cable			
50.007.00	54	60	80
50.007.00P	54	60	80
50.008.00	92	100	120
50.009.00	137	145	165
P = wing nut A* = free space			

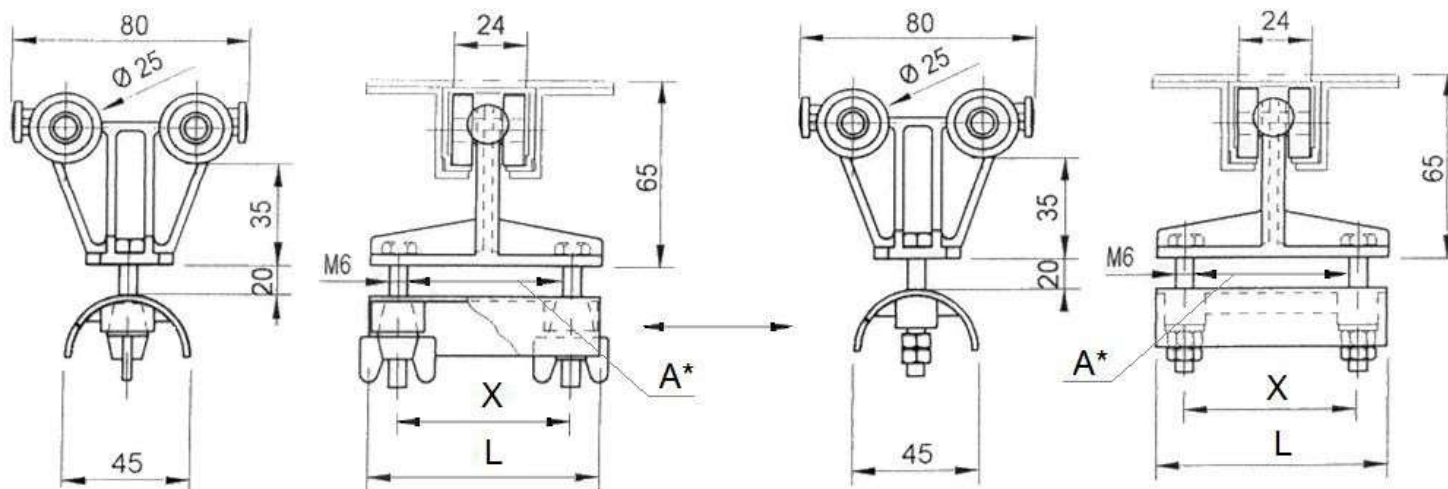
SUSPENSION IRON



Part n° **50.307.50** – Complete clamp M8 + M8 x 50 mm DIN 933
50.307.60 -- Complete clamp M8 + M8 x 60 mm DIN 933



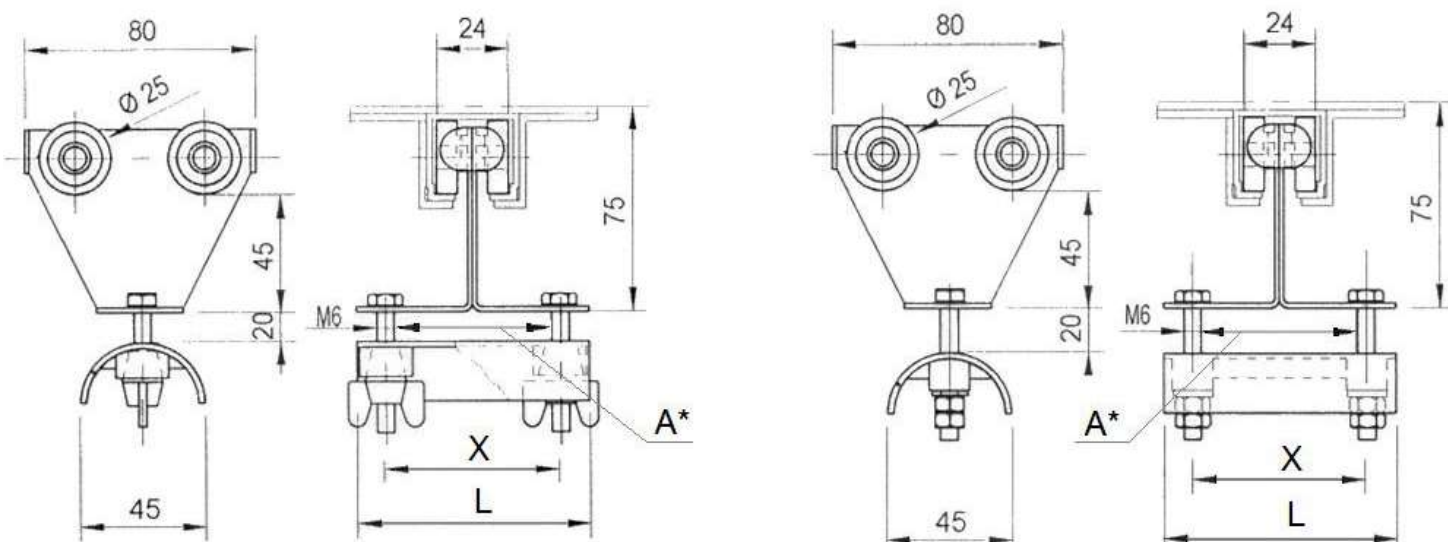
Part n° **50.307.05** – Complete clamp M8 + M8 x 50 mm DIN 933
50.307.06 – Complete clamp M8 + M8 x 60 mm DIN 933

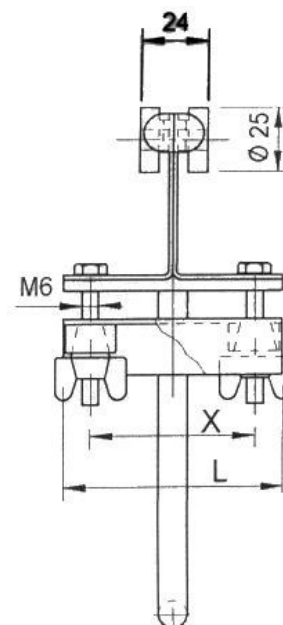
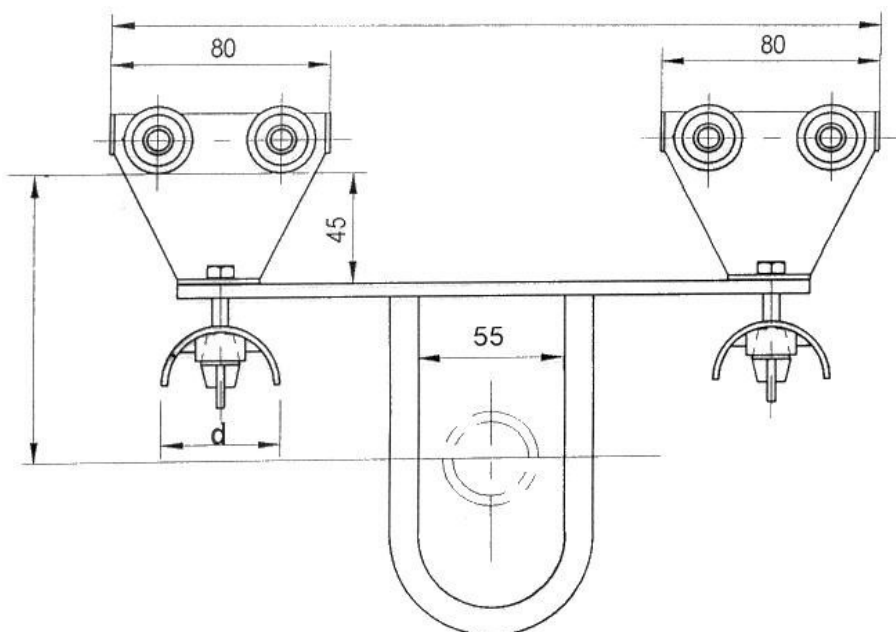


Part n°	Description	A*	X	L
50.014.00	Trolley entirely in nylon	54	60	80
50.014.00P	Trolley entirely in nylon	54	60	80
50.015.00	Trolley body and wheels in nylon, axle in stainless steel	54	60	80
50.015.00P	Trolley body and wheels in nylon, axle in stainless steel	54	60	80
50.016.00	Trolley body in nylon, wheels in galvanized steel	54	60	80
50.016.00P	Trolley body in nylon, wheels in galvanized steel	54	60	80
50.017.00	Cable trolley in steel	54	60	80
50.017.00P	Cable trolley in steel	54	60	80
50.019.00	Cable trolley in steel	92	100	120
50.020.00	Cable trolley in steel	137	145	165

P = support with 2 wingnuts

A* = free space



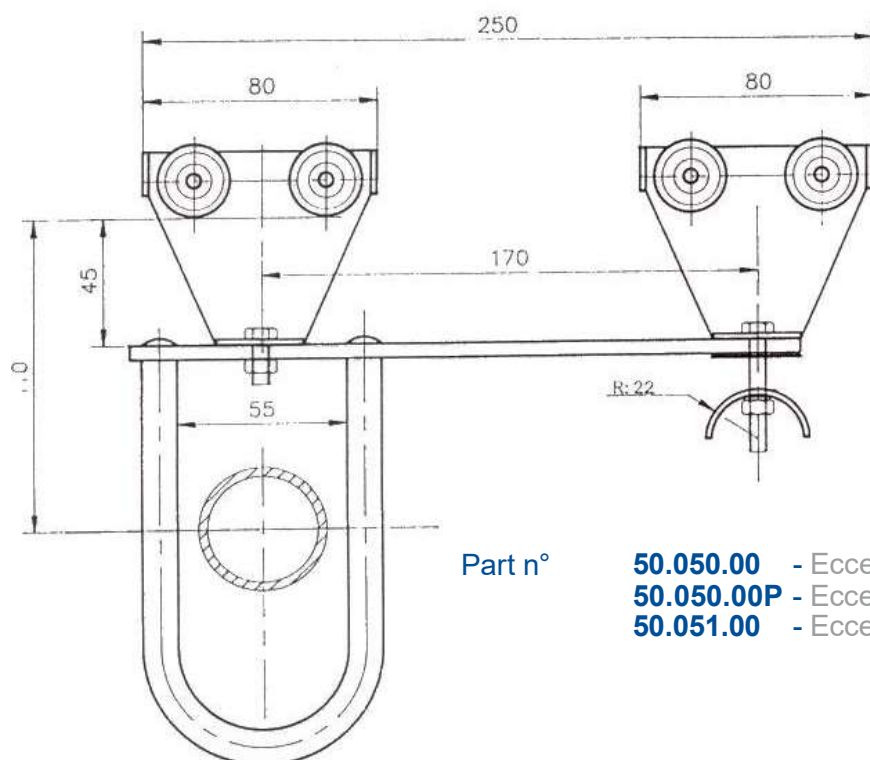


Part n° **50.022.00**
50.022.00P

Towing trolley for flat cable max 54 mm

Part n° **50.023.00**

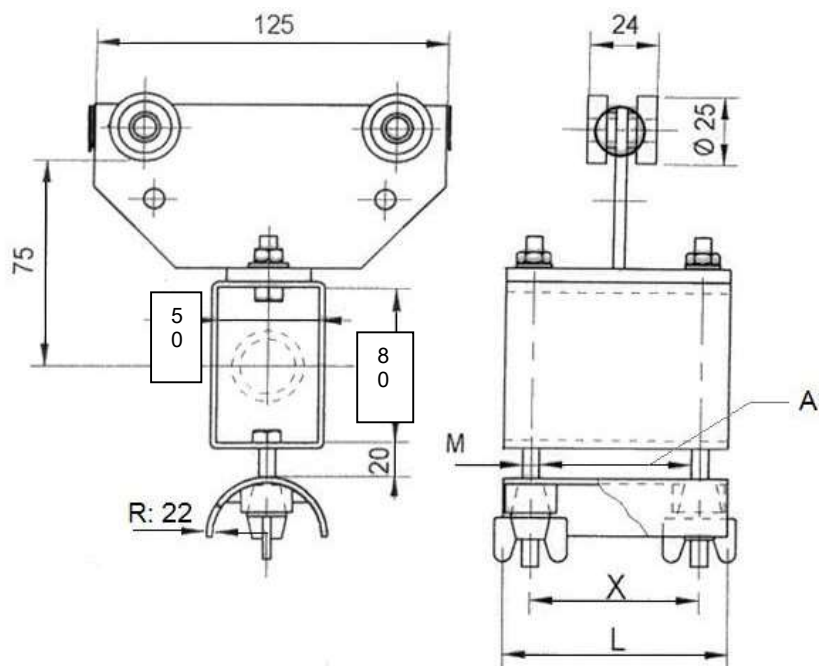
Towing trolley for flat cable max 92 mm



Part n°

50.050.00 - Eccentric towing trolley flat cable 54 mm
50.050.00P - Eccentric towing trolley flat cable 54 mm
50.051.00 - Eccentric towing trolley flat cable 92 mm

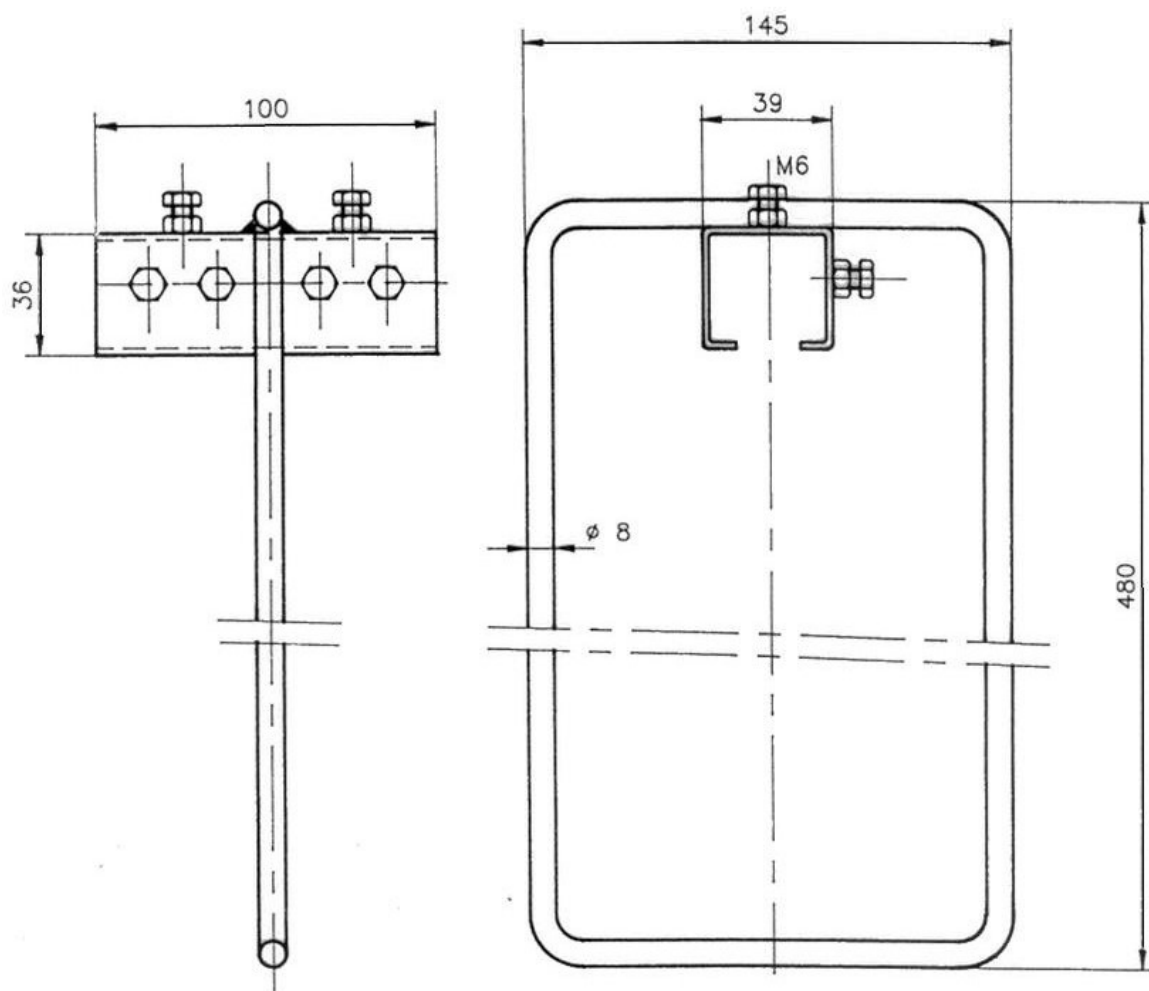
P = wing nut



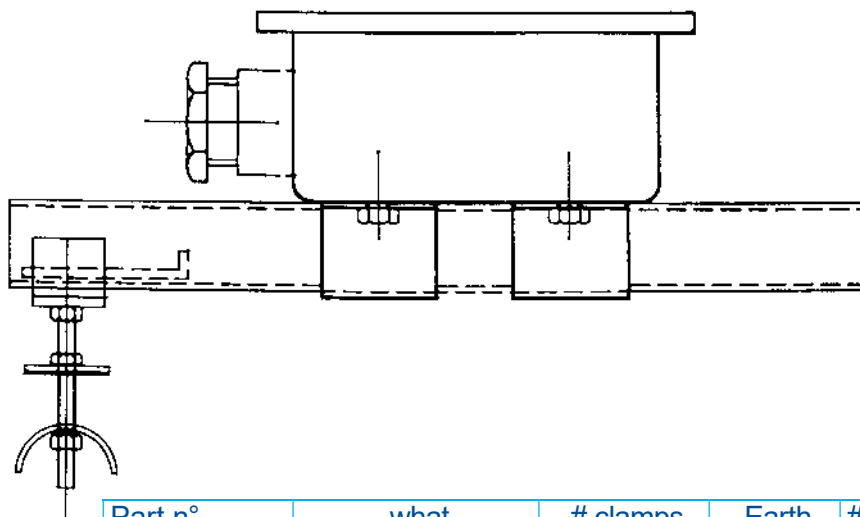
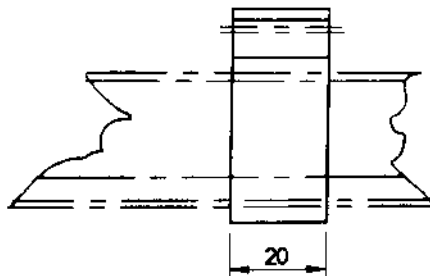
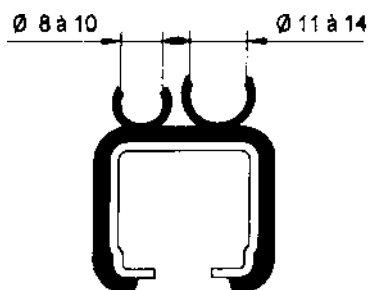
Part n°	A*	X	L
Towing trolley with tube 80 x 50 mm			
50.072.00	54	60	80
50.072.00P	54	60	80
50.073.00	92	100	120
50.074.00	135	145	165

P = wing nut
A* = free space

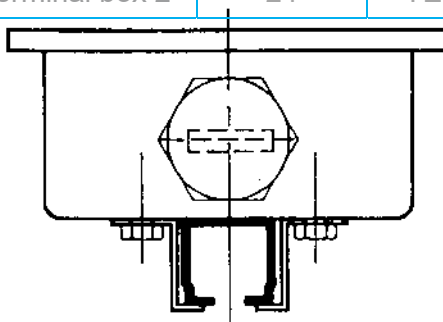
Part n° **50.010.00** – Cable collector

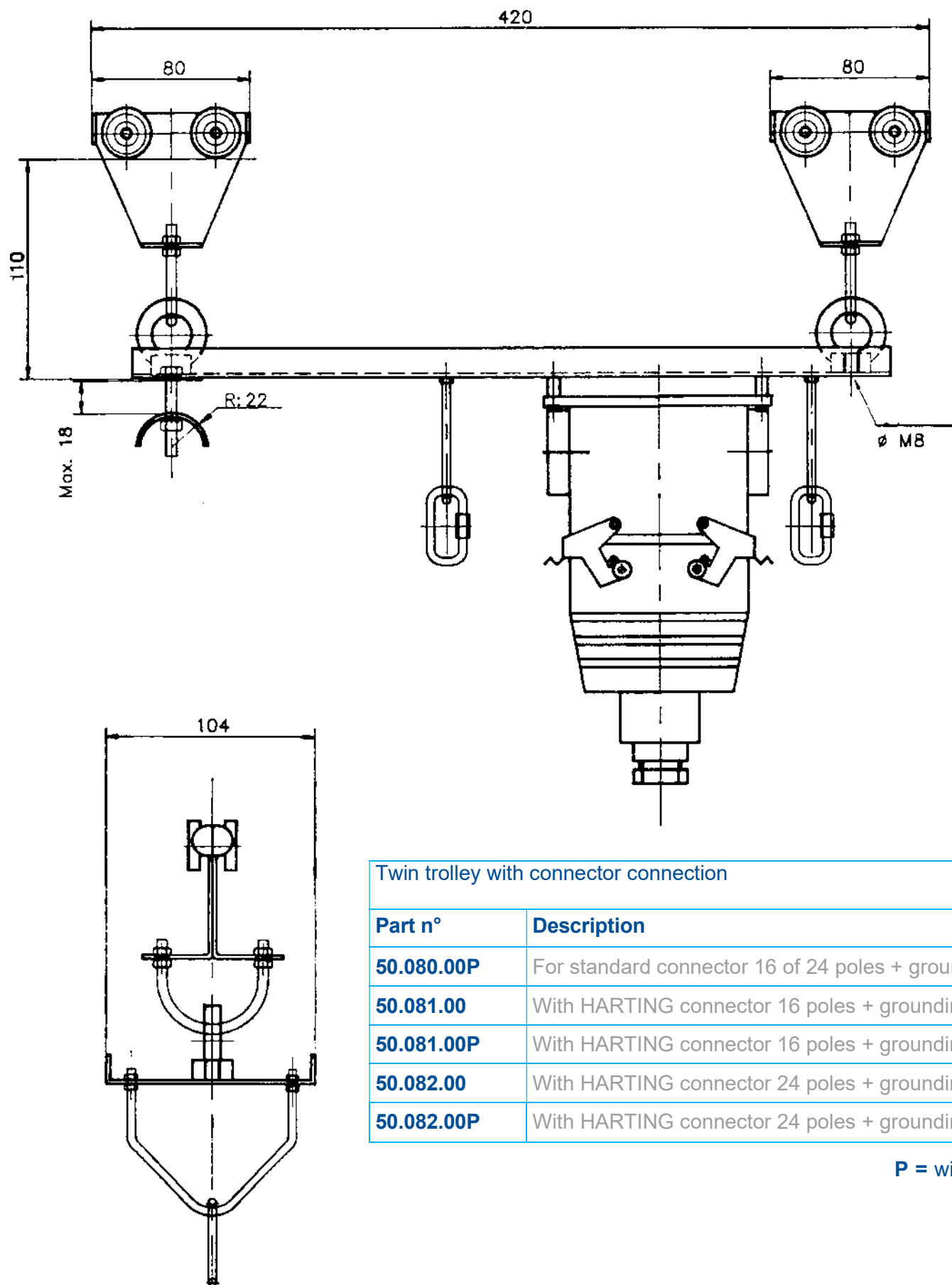


Part n° **50.011.00** Clips for round cables Ø 8 tot 10 mm and 11 tot 14 mm



Part n°	what	# clamps	Earth	# suspension clamps
50.040.00	Terminal box 1	3	YES	2
50.041.00	Terminal box 1	6	YES	2
50.042.00	Terminal box 2	9	YES	2
50.043.00	Terminal box 2	12	YES	2
50.044.00	Terminal box 2	15	YES	2
50.045.50	Terminal box 2	18	YES	2
50.046.50	Terminal box 2	21	YES	2
50.047.50	Terminal box 2	24	YES	2

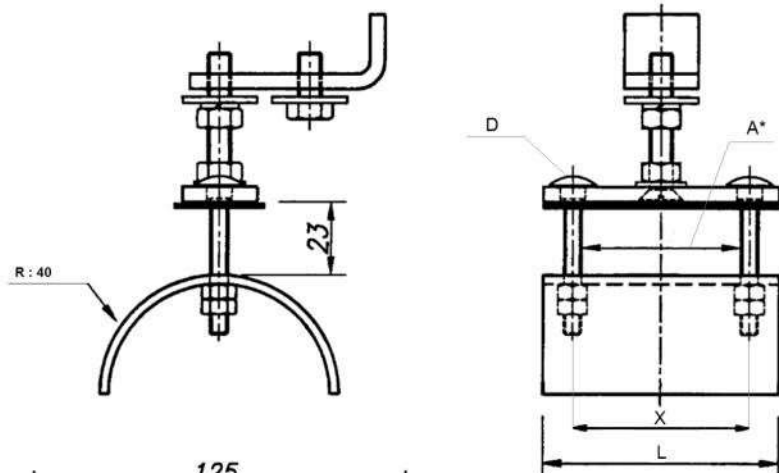




Twin trolley with connector connection

Part n°	Description
50.080.00P	For standard connector 16 of 24 poles + grounding
50.081.00	With HARTING connector 16 poles + grounding
50.081.00P	With HARTING connector 16 poles + grounding
50.082.00	With HARTING connector 24 poles + grounding
50.082.00P	With HARTING connector 24 poles + grounding

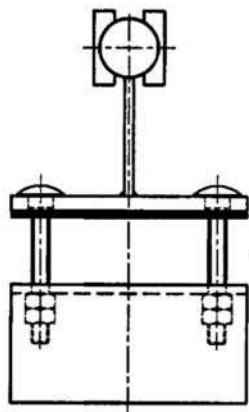
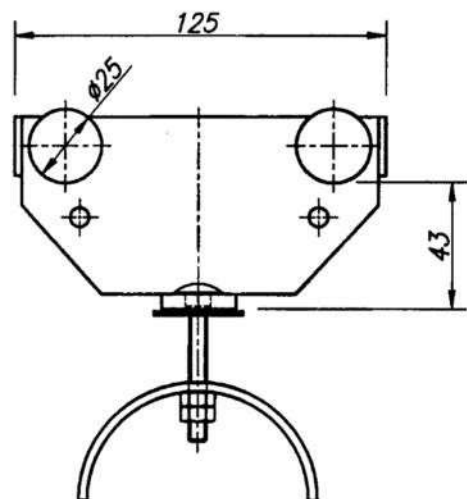
P = wing nut



Fixed trolley

Part n°	A*	L	X	D
50.085.08	54	80	60	M 6
50.085.12	92	120	100	M 8
50.085.16	137	165	145	M 8
50.085.21	182	210	190	M 8

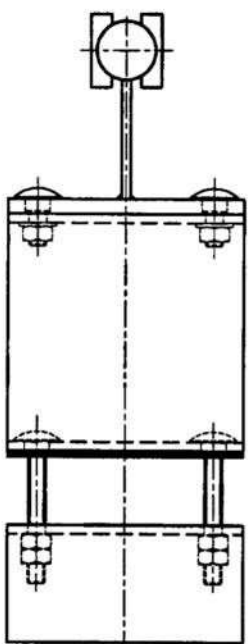
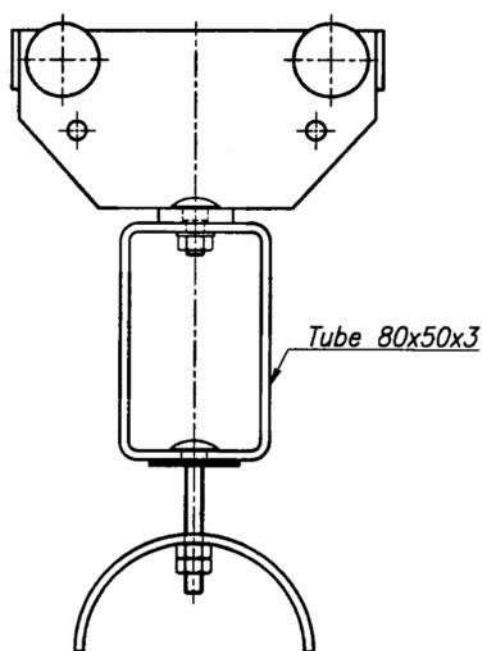
A* = free space



Trolley for flat cable

Part n°	A*	L	X	D
50.086.08	54	80	60	M 6
50.086.12	92	120	100	M 8
50.086.16	137	165	145	M 8
50.086.21	182	210	190	M 8

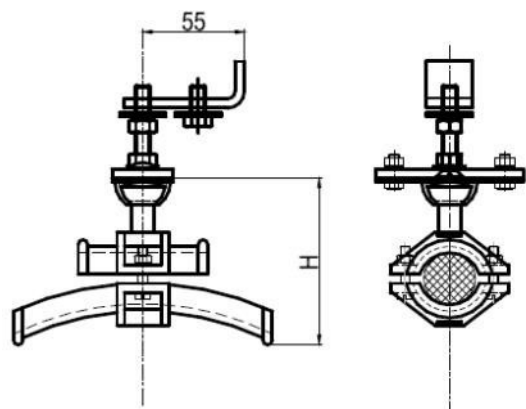
A* = free space



Towing trolley

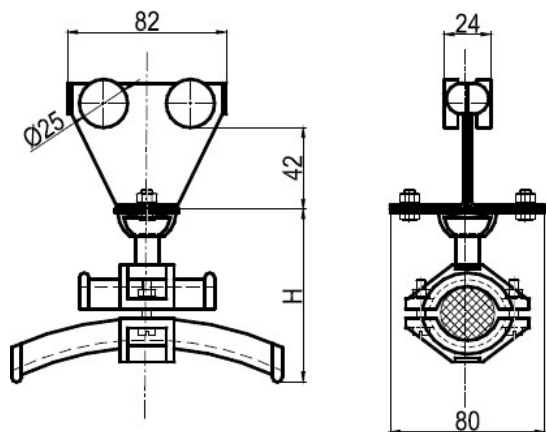
Part n°	A*	L	X	D
50.087.08	54	80	60	M 6
50.087.12	92	120	100	M 8
50.087.16	137	165	145	M 8
50.085.21	182	210	190	M 8

A* = free space



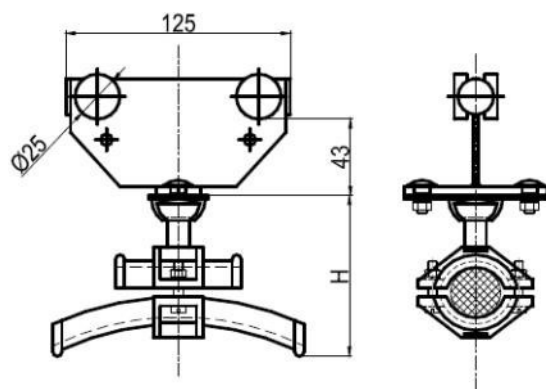
Fixed trolley for round cable

Part n°	Length	Ø cable	H
50.076.16	70	10/16mm	66
50.076.26	70	16/26mm	76
50.076.38	70	26/38mm	88



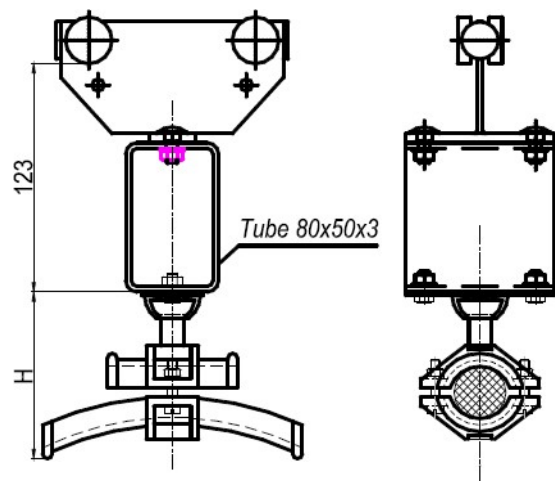
Trolley 80mm long for round cable

Part n°	Length	Ø cable	H
50.077.16	80	10/16mm	66
50.077.26	80	16/26mm	76
50.077.38	80	26/38mm	88



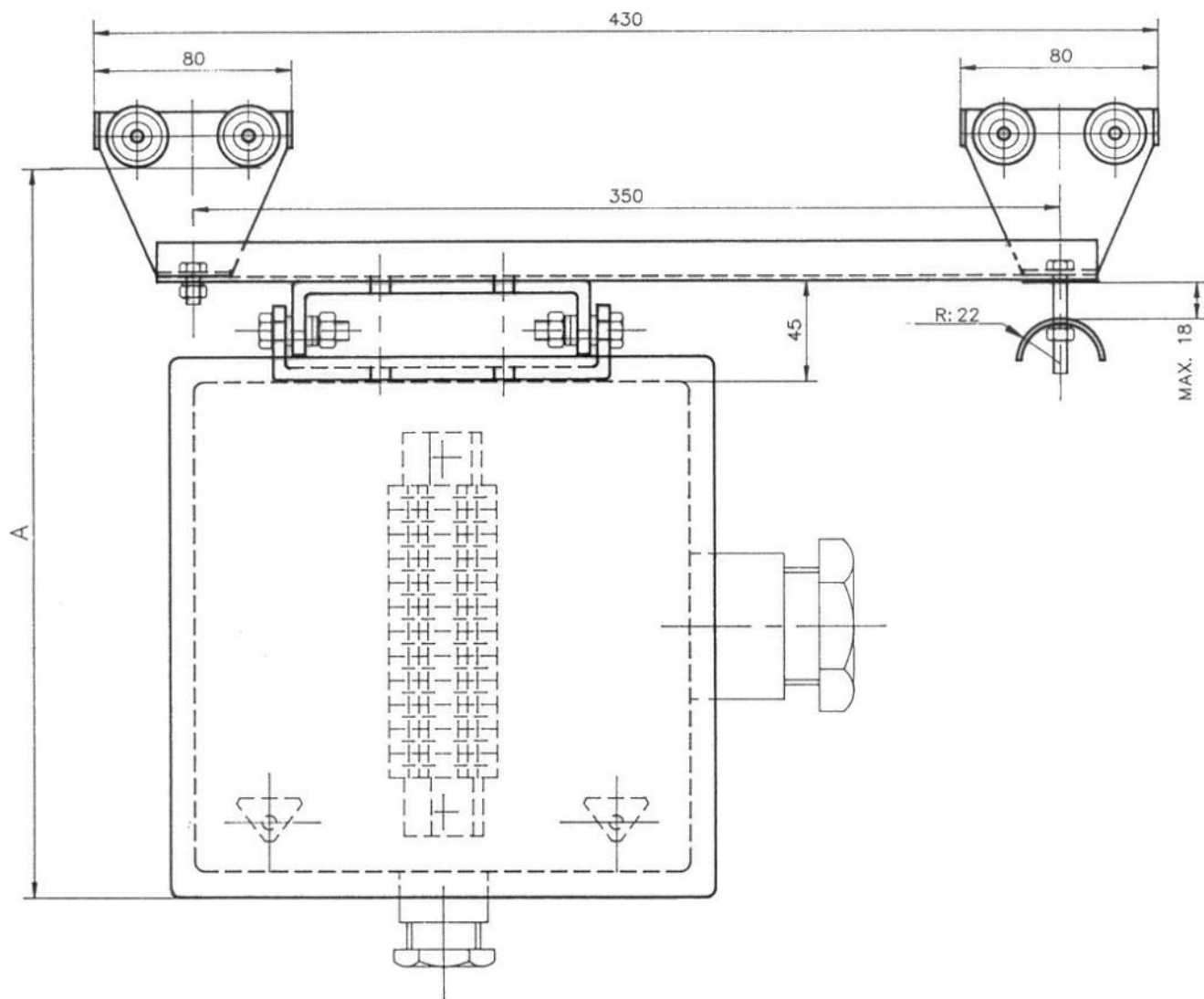
Trolley 125 mm long for round cable

Part n°	Length	Ø cable	H
50.078.16	125	10/16mm	66
50.078.26	125	16/26mm	76
50.078.38	125	26/38mm	88



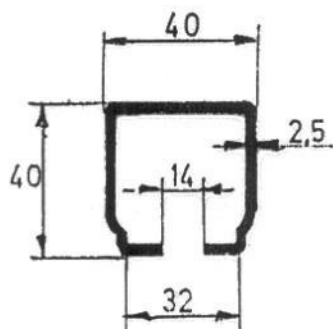
Towing trolley 125mm long for round cable

Part n°	Length	Ø cable	H
50.079.16	125	10/16mm	66
50.079.26	125	16/26mm	76
50.079.38	125	26/38mm	88



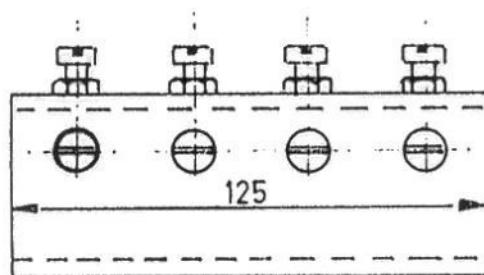
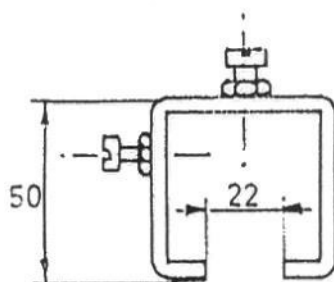
Twin trolley	
Part n°	Description
50.028.00	Twin trolley with terminal box 1 – 3 poles + grounding
50.029.00	Twin trolley with terminal box 1 – 6 poles + grounding
50.030.00	Twin trolley with terminal box 2 – 9 poles + grounding
50.031.00	Twin trolley with terminal box 2 – 12 poles + grounding
50.032.00	Twin trolley with terminal box 2 – 15 poles + grounding
50.033.50	Twin trolley with terminal box 2 – 18 poles + grounding
50.034.50	Twin trolley with terminal box 2 – 21 poles + grounding
50.035.50	Twin trolley with terminal box 2 – 24 poles + grounding
50.037.00	Twin trolley 3230 for terminal box





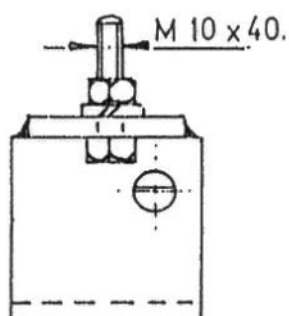
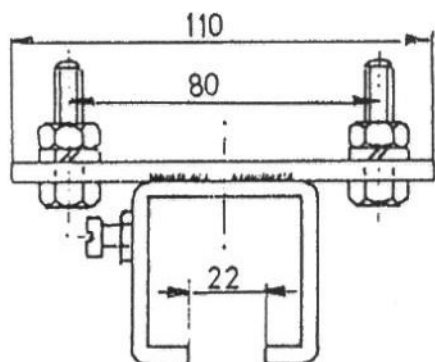
PROFILE 4040

Part n° **55.001.02** - length 2 m.
55.001.04 - length 4 m.
55.001.06 - length 6 m.



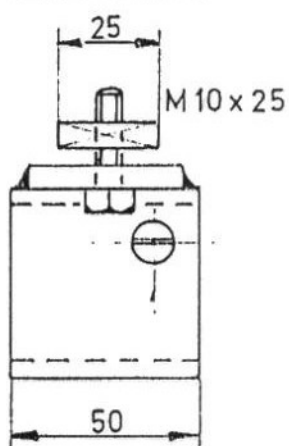
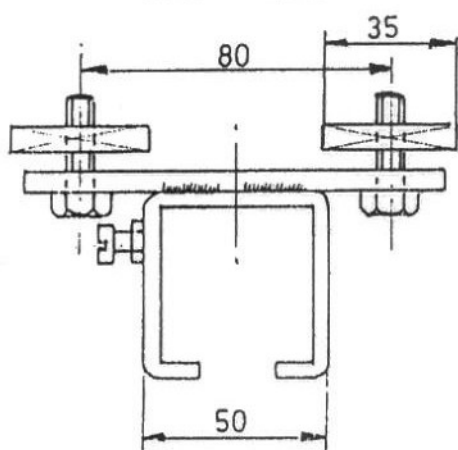
Part n° **55.002.00**

Connection piece with bolts



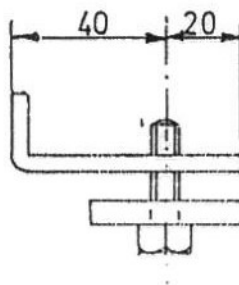
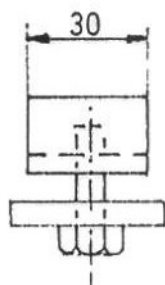
Part n° **55.003.00**

Suspension clamp



Part n° **55.008.00**

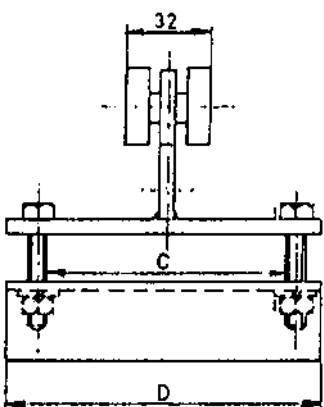
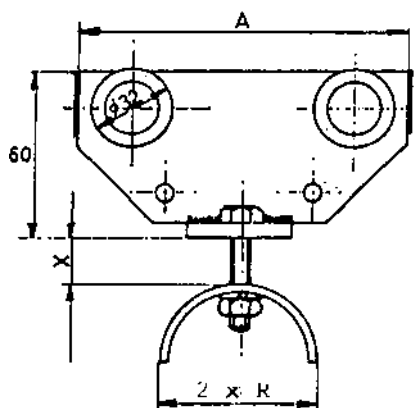
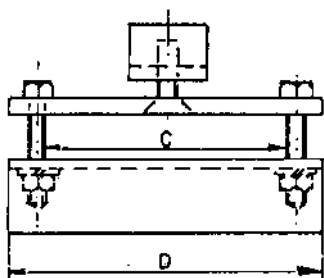
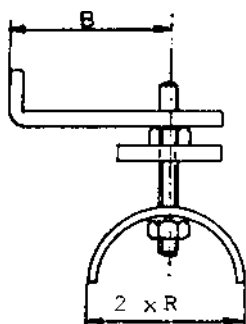
Suspension clamp with 2 rectangular nuts M10



Part n° **55.004.00**

End of course

All measurements on the drawings are in mm.

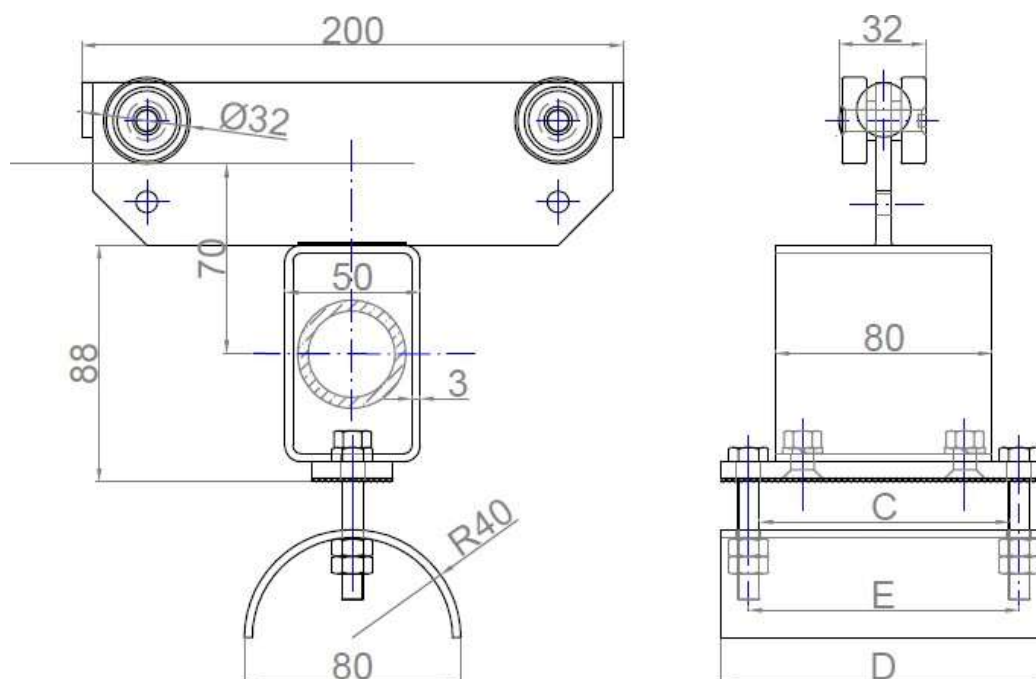


Fixed trolley for flat cable

Part n°	Radius (R)	B	C	D
55.005.00	22 mm	60	54	80
55.005.10	40 mm			
55.006.00	22 mm	60	90	120
55.006.10	40 mm			
55.007.00	22 mm	60	135	165
55.007.10	40 mm			
55.007.20	40 mm	60	180	210

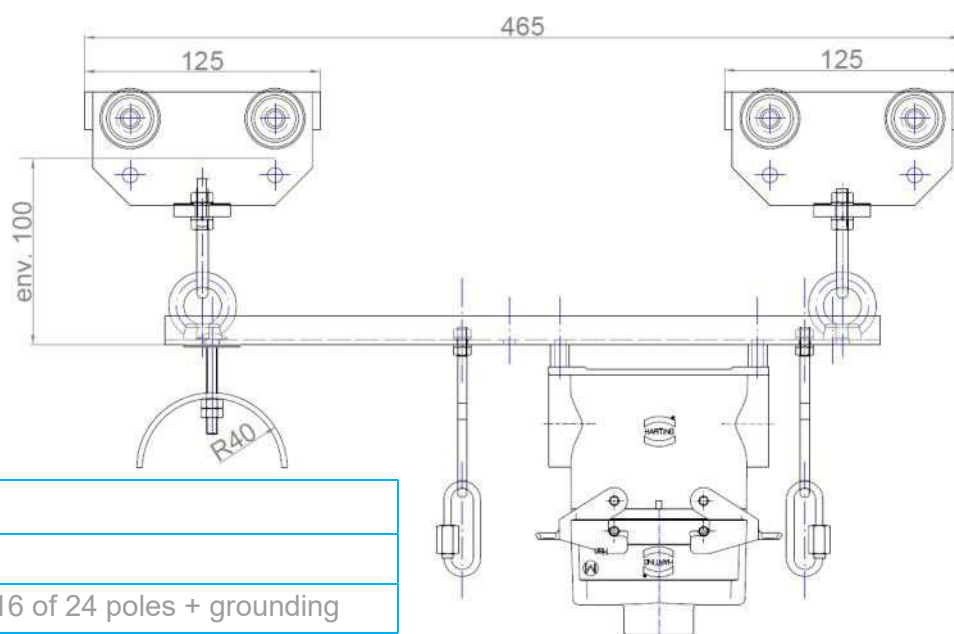
Trolley for flat cable

Part n°	radius (R)	Type	A	C	D
55.060.00	22 mm	100/80	100	54	80
55.060.10	40 mm				
55.061.00	22 mm	100/120	100	90	120
55.061.10	40 mm				
55.062.00	22 mm	100/165	100	135	165
55.062.10	40 mm				
55.064.00	22 mm	125/80	125	54	80
55.064.10	40 mm				
55.065.00	22 mm	125/120	125	90	120
55.065.10	40 mm				
55.066.00	22 mm	125/165	125	135	165
55.066.10	40 mm				
55.067.00	22 mm	160/80	160	54	80
55.067.10	40 mm	160/120	160	90	120
55.067.20	40 mm	160/165	160	135	165
55.067.30	40 mm	160/210	160	180	210
55.068.00	40 mm	200/80	200	54	80
55.068.10	40 mm	200/120	200	90	120
55.068.20	40 mm	200/165	200	135	165
55.068.30	40 mm	200/210	200	180	210



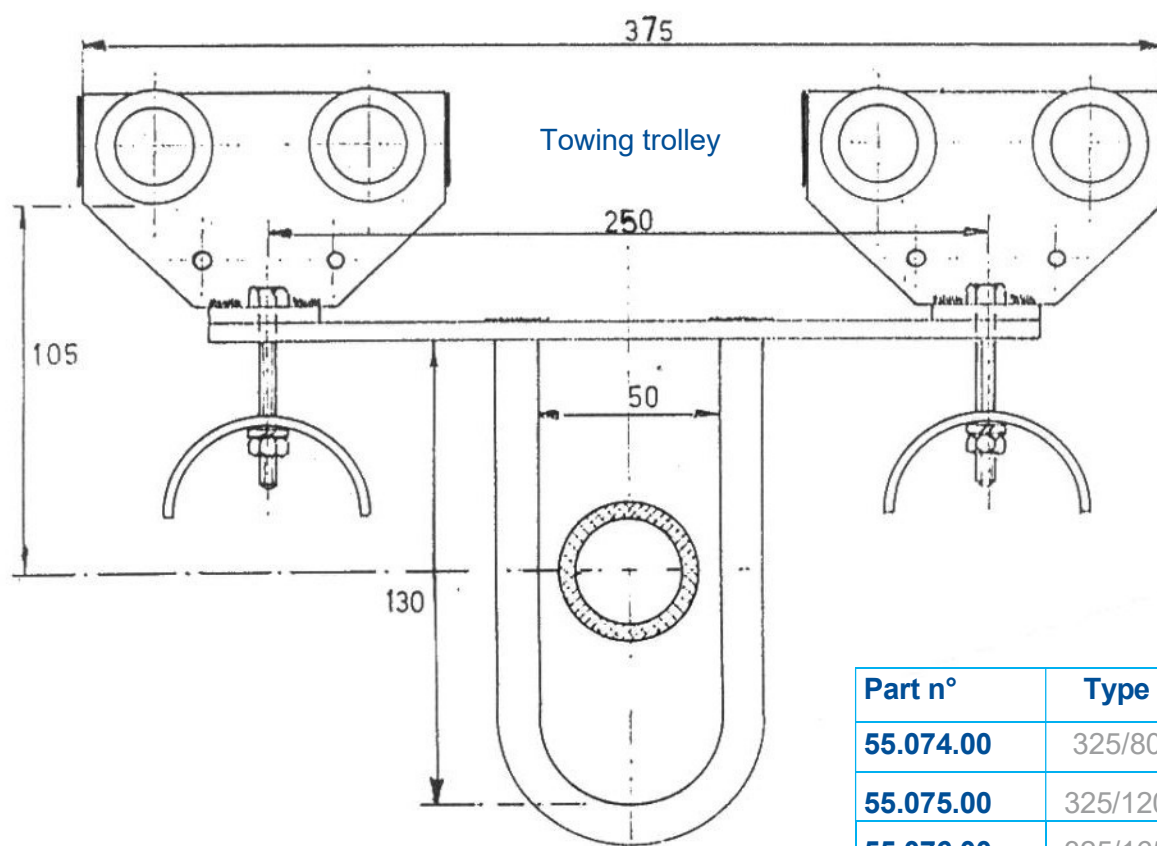
All measurements on the drawings are in mm.

Towing trolley with rectangular tube 80 x 50 mm; 3,4 mm thick					
Part n°	Type	C	D	E	F
55.070.00	200/70	54	80	60	80
55.071.00	200/120	90	120	100	80
55.072.00	200/165	135	165	145	80
55.073.00	200/210	180	210	190	80

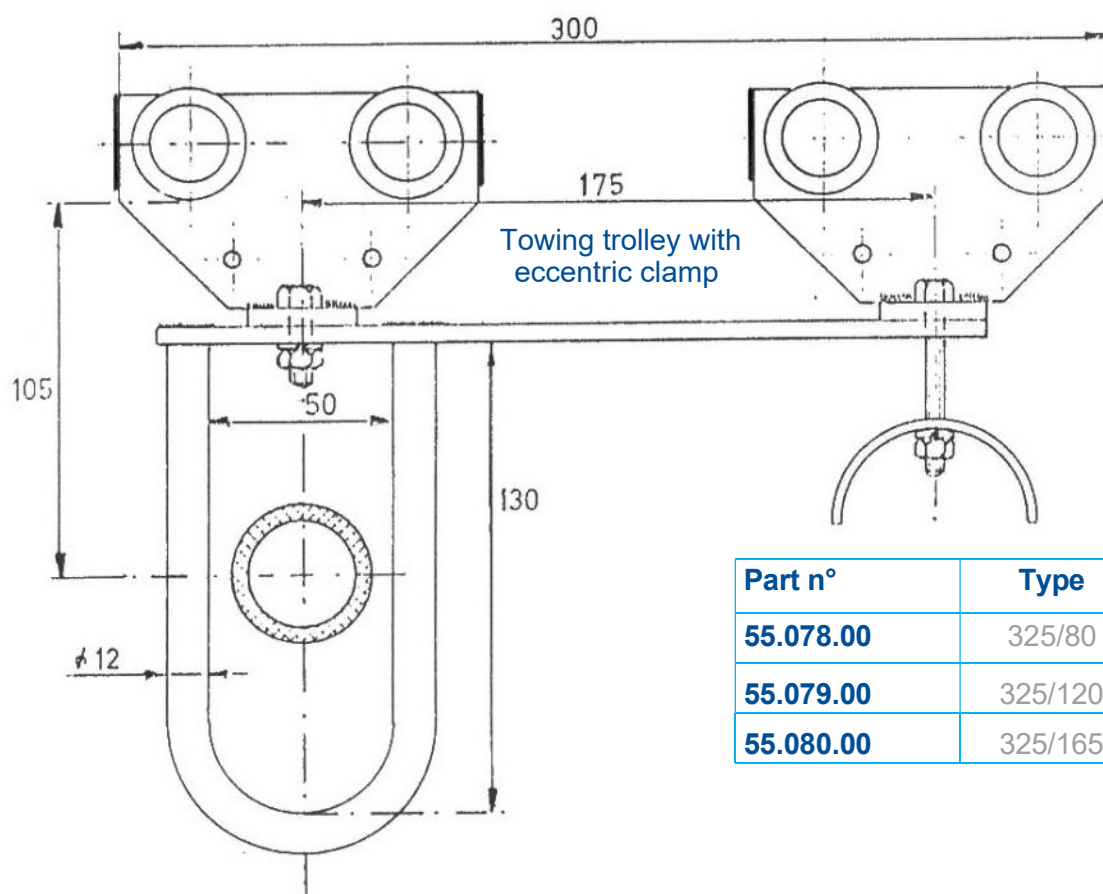


Twin trolley

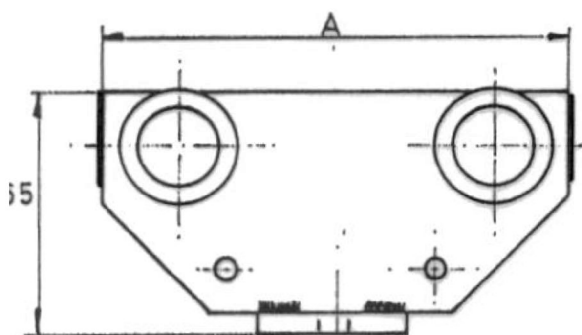
Part n°	Description
55.093.00	For standard connector 16 of 24 poles + grounding
55.093.16	With HARTING connector 16 poles + grounding
55.093.24	With HARTING connector 16 poles + grounding



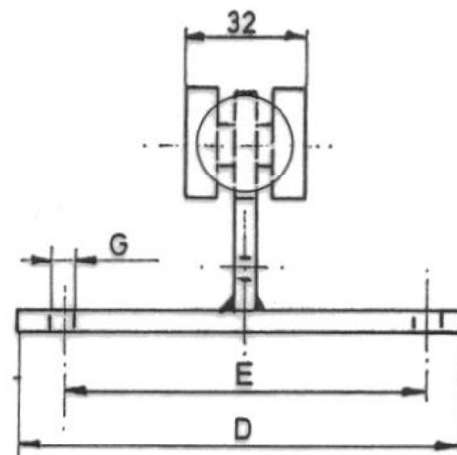
Part n°	Type	Clamp
55.074.00	325/80	80 mm
55.075.00	325/120	120 mm
55.076.00	325/165	165 mm



Part n°	Type	Clamp
55.078.00	325/80	80 mm
55.079.00	325/120	120 mm
55.080.00	325/165	165 mm



Part n° **55.495.00** Trolley body with
4 wheels diameter 32 mm with axle 8 mm

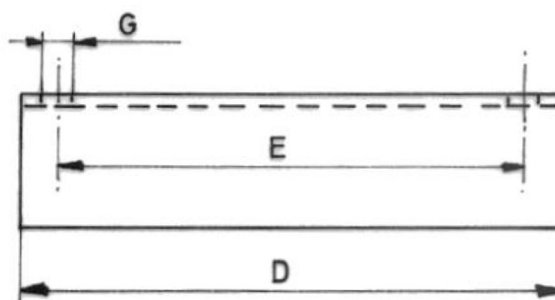
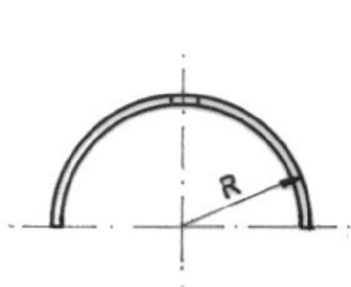


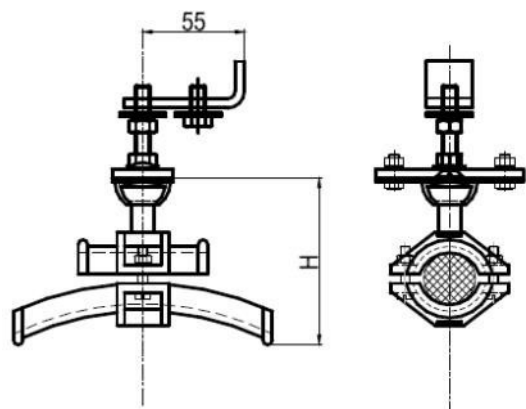
Cable trolley without support for cables

Part n°	Type	A(mm)	E(mm)	D(mm)	G(mm)
55.084.00	100/80	100	60	80	7
55.085.00	100/120	100	100	120	7
55.086.00	100/165	100	145	165	7
55.087.00	125/80	125	60	80	7
55.088.00	125/120	125	100	120	9
55.089.00	125/165	125	145	165	9

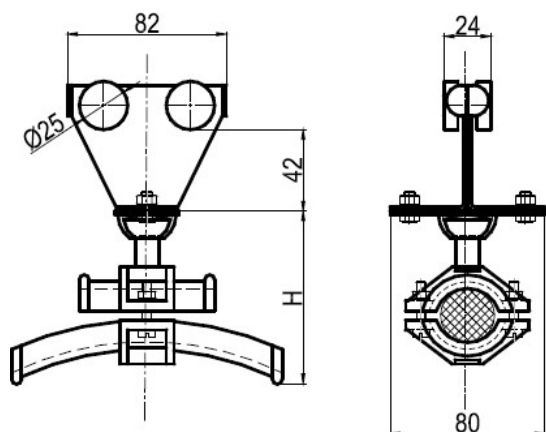
Support for flat cables

Part n°	Free space	E(mm)	D(mm)	G(mm)	Radius (R)
50.411.00	54 mm	60	80	7	22 mm
50.423.00	94 mm	100	120	7	22 mm
50.431.00	139 mm	145	165	7	22 mm
50.107.00	54 mm	60	80	7	40 mm
50.163.00	92 mm	100	120	9	40 mm
50.164.00	137 mm	145	165	9	40 mm
50.165.00	182 mm	190	210	9	40 mm

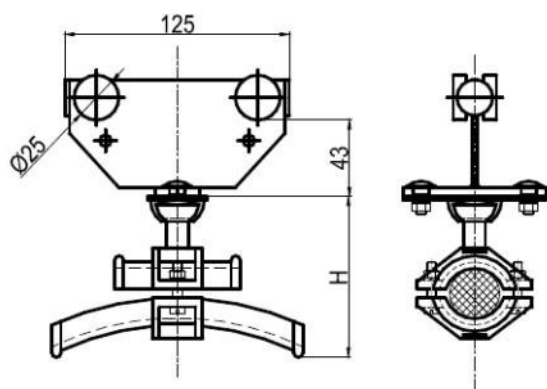




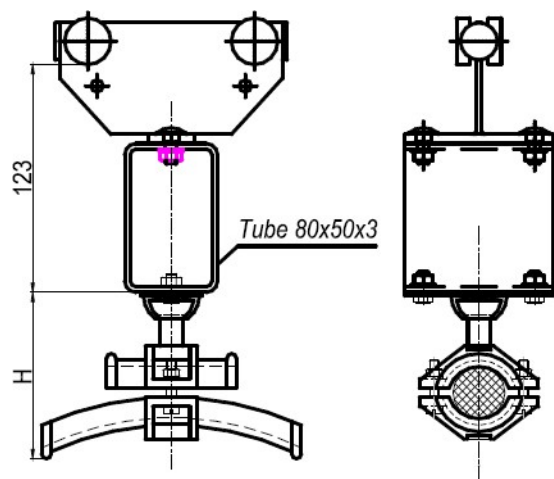
Fixed trolley for round cable			
Part n°	Length(mm)	Ø cable	H(mm)
59.049.16	80	10/16mm	66
50.049.26	80	16/26mm	76
50.049.36	80	26/38mm	88



Trolley 100mm long for round cable			
Part n°	Length(mm)	Ø cable	H(mm)
55.050.16	100	10/16mm	66
55.050.26	100	16/26mm	76
55.050.38	100	26/38mm	88

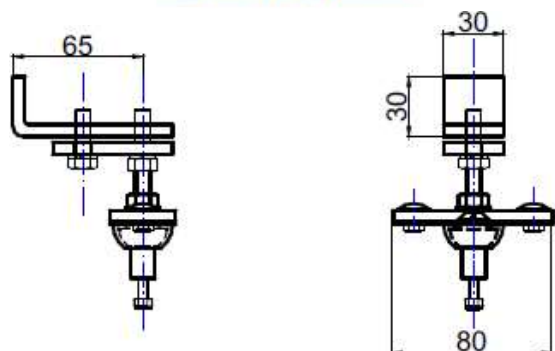


Trolley 125mm long for round cable			
Part n°	Length(mm)	Ø cable	H(mm)
50.051.16	125	10/16mm	66
50.051.26	125	16/26mm	76
50.051.38	125	26/38mm	88

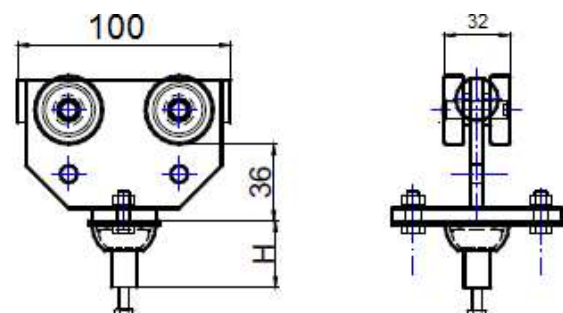


Towing trolley 125mm long for round cable			
Part n°	Length(mm)	Ø cable	H(mm)
50.052.16	125	10/16mm	66
50.052.26	125	16/26mm	76
50.052.38	125	26/38mm	88

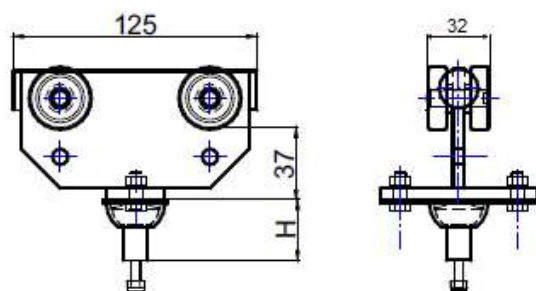
FESTOON 4040

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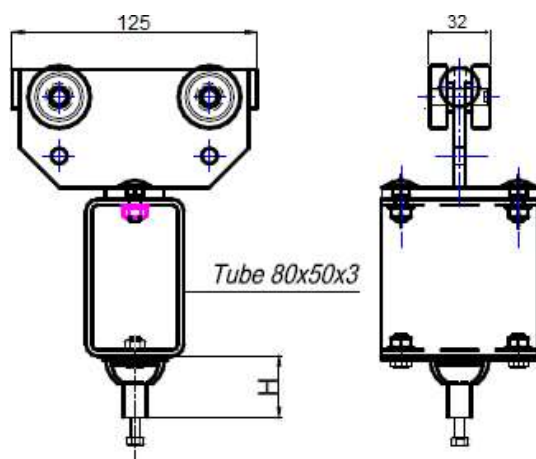
Fixed trolley with ball joint and swivel point			
Part n°	Length(mm)	Support	H(mm)
55.049.16	80	Swivel point	28



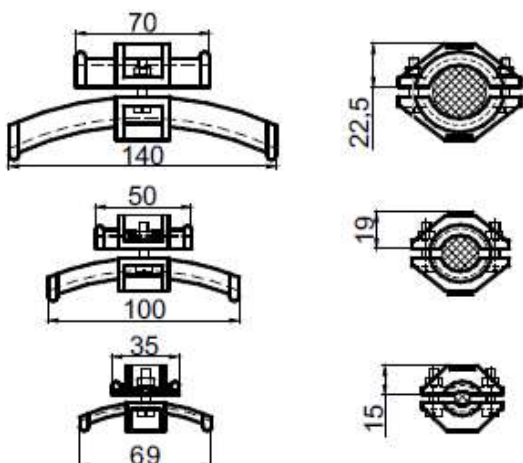
Trolley 100 mm long with ball joint and swivel point			
Part n°	Length(mm)	Support	H(mm)
55.050.00	100	Swivel point	28



Trolley 125mm long with ball joint and swivel point			
Part n°	Length(mm)	Support	H(mm)
55.051.00	125	Swivel point	28



Towing trolley with ball joint and swivel point			
Part n°	Length(mm)	Support	H(mm)
55.052.00	125	Swivel point	28

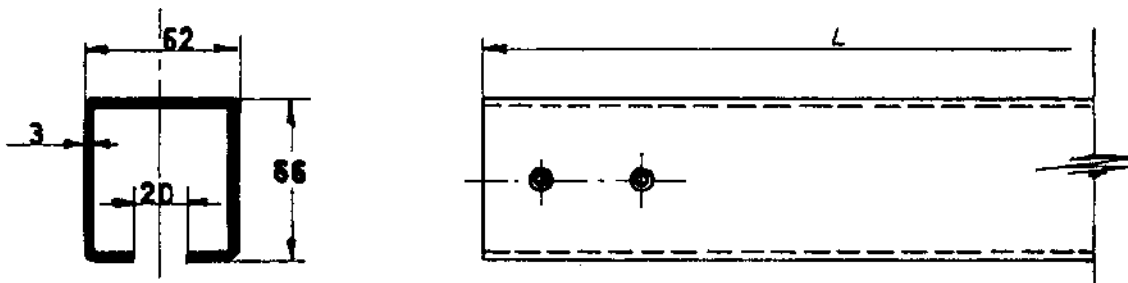


Cable support for round cable in black pvc			
Part n°	Length(mm)	Ø cable	H(mm)
50.490.16	68	10/16mm	38
50.490.26	99	16/26mm	48
50.490.38	138	26/38mm	60

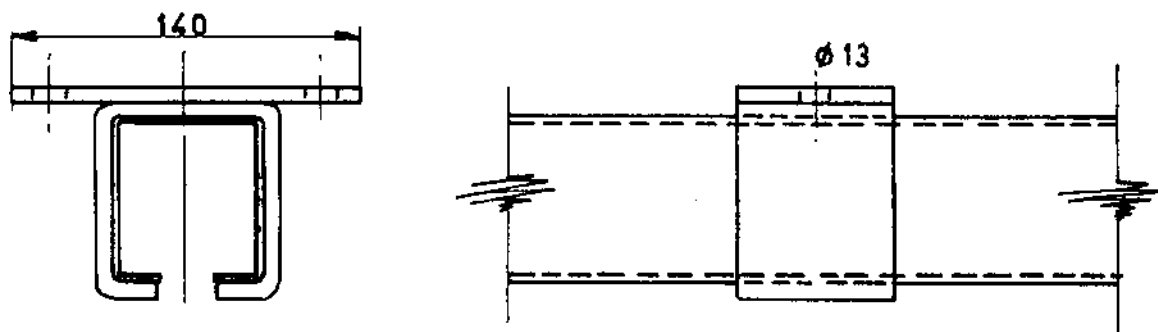


All measurements on the drawings are in mm.

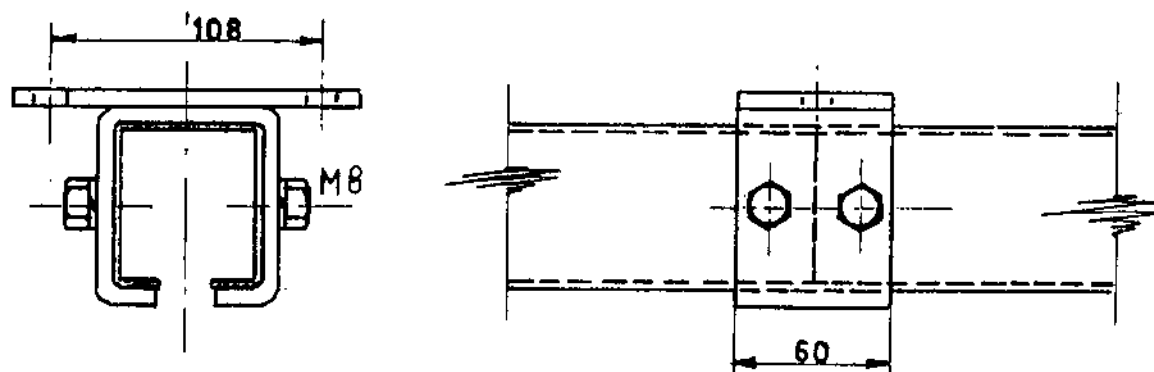
Part n° **50.501.03** – Painted profile 6266 length 3 m
50.501.06 – Painted profile 6266 length 6 m



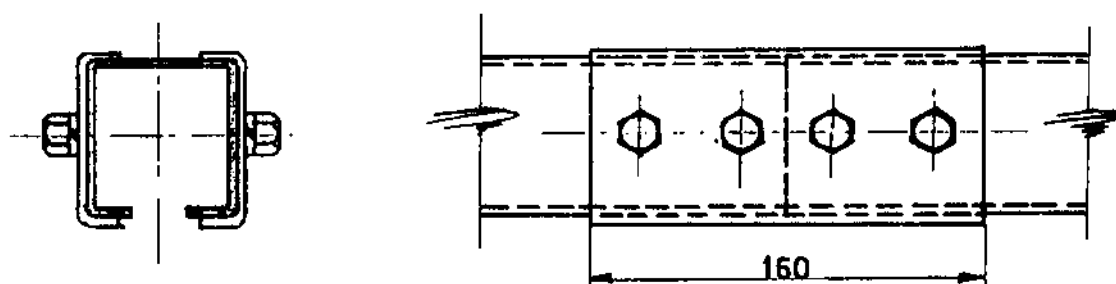
Part n° **50.503.00** - Suspension clamp

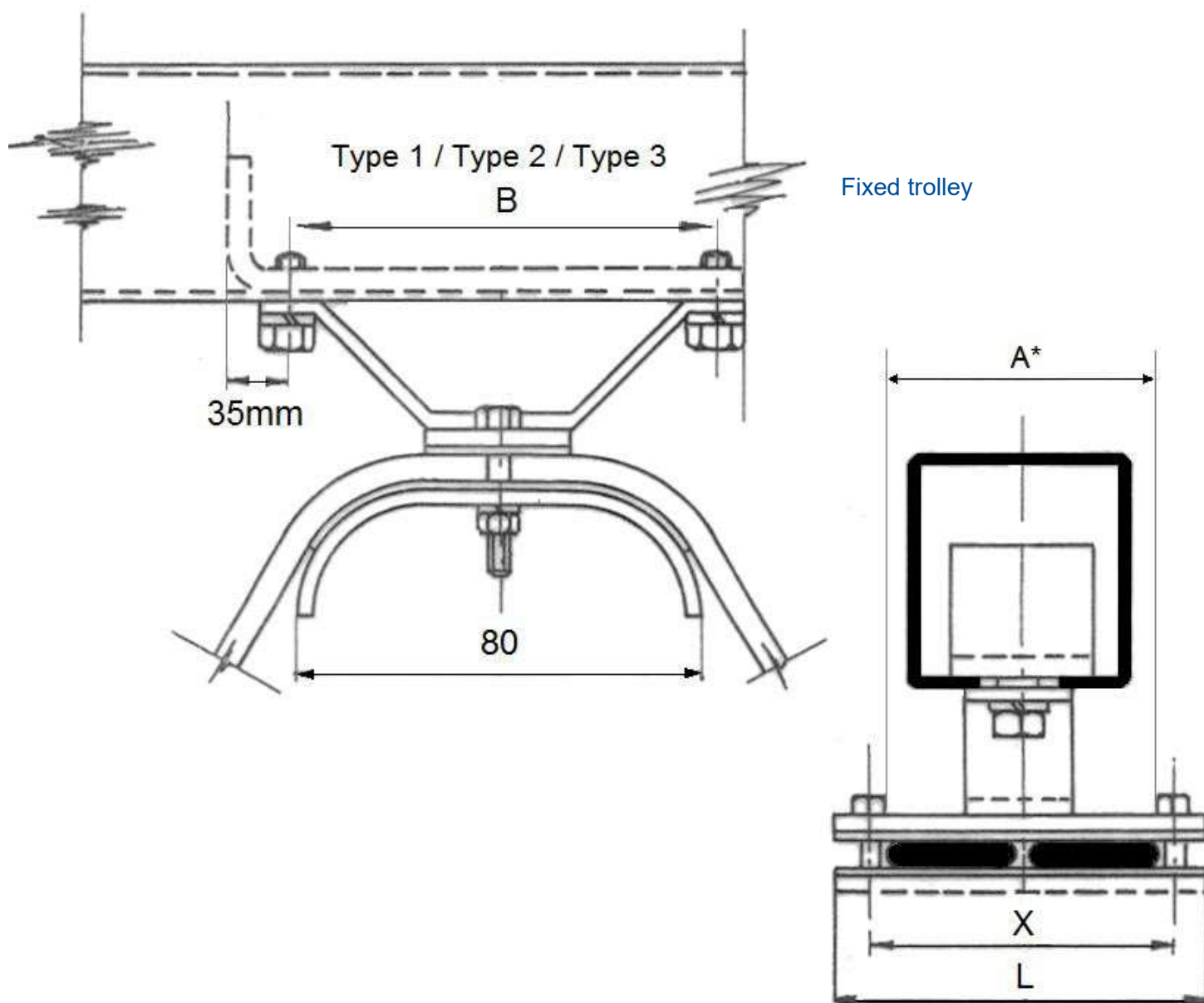


Part n° **50.502.00** – Connection and/or suspension clamp



Part n° **50.504.00** – Connection piece with bolts

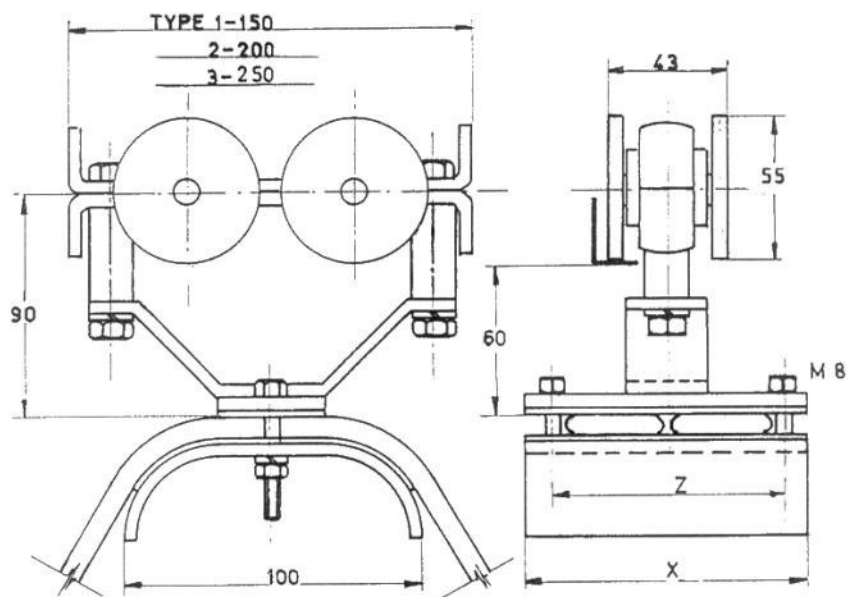




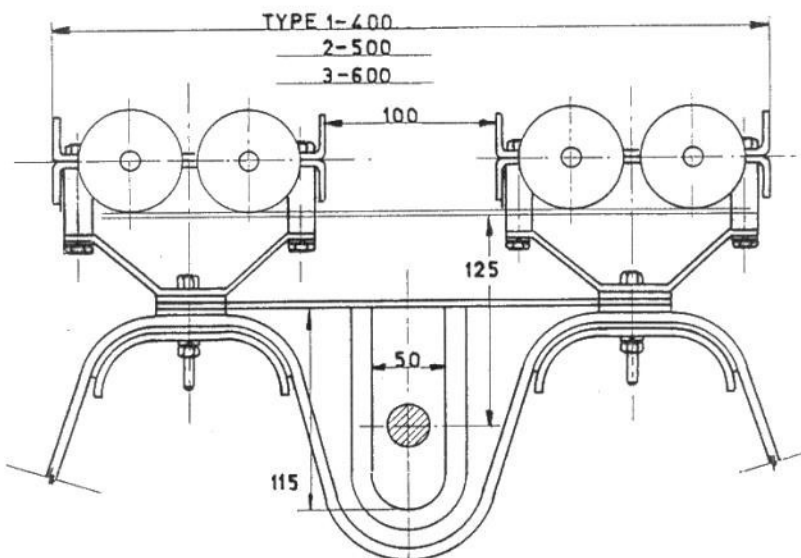
Part n° Fixed trolley	Type		B(mm)	A*(mm)	X(mm)	L(mm)
50.506.00	Type 1	150/75	150	47	55	75
50.507.00	Type 1	150/120	150	92	100	120
50.507.10	Type 1	150/165	150	137	145	165
50.508.00	Type 2	200/120	200	92	100	120
50.509.00	Type 2	200/165	200	137	145	165
50.508.00	Type 3	250/120	250	92	100	120
50.509.00	Type 3	250/165	250	137	145	165

A* = free space

Cable trolley



Towing trolley



Cable trolley

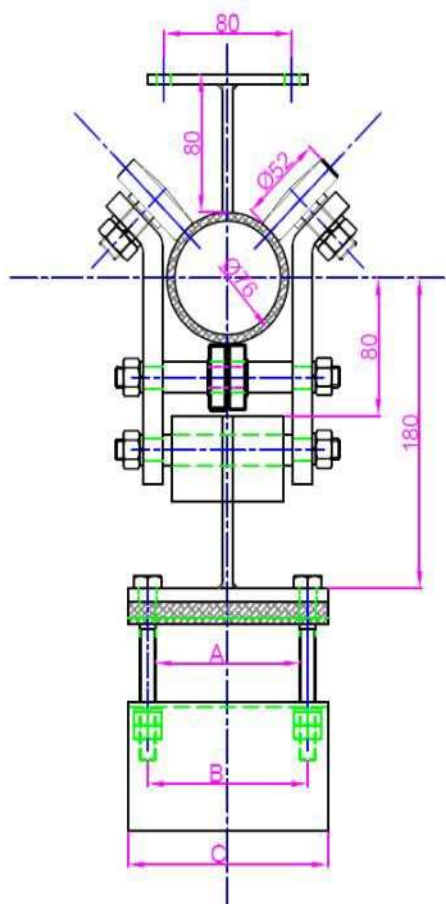
Part n°	Type	X(mm)	Z(mm)
50.515.00	1 - 150/75	75	55
50.516.00	1 - 150/120	120	100
50.516.10	1 - 150/165	165	145
50.517.00	2 - 200/120	120	100
50.518.00	2 - 200/165	165	145
50.519.00	3 - 250/120	120	100
50.520.00	3 - 250/165	165	145

Towing trolley

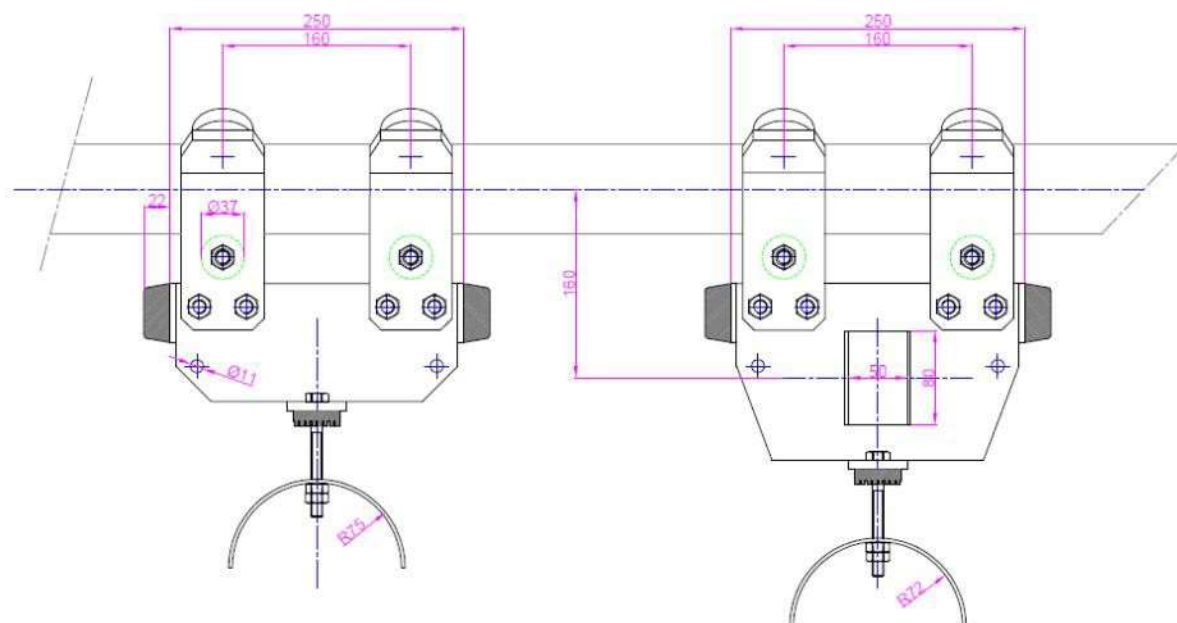
Part n°	Type	X(mm)	Z(mm)
50.535.00	1 - 400/75	75	55
50.536.00	1 - 400/120	120	100
50.536.10	1 - 400/165	165	145
50.537.00	2 - 500/120	120	100
50.538.00	2 - 500/165	165	145
50.539.00	3 - 600/120	120	100
50.540.00	3 - 600/165	165	145



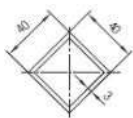
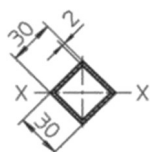
FESTOON ROUND TUBE

[RETURN](#)


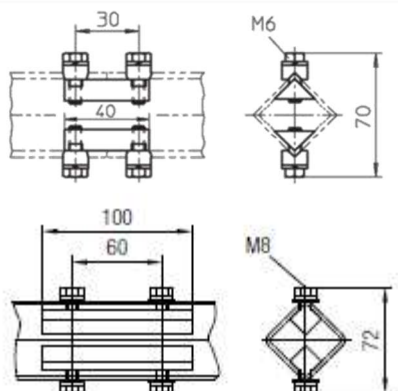
Cable trolley	
Part n°	Description
50.801.00	76/250/4x52/80
50.802.00	76/250/4x52/120
50.803.00	76/250/4x52/165
50.804.00	76/250/4x52/210
Cable trolley with counterwheels	
Part n°	Description
50.806.00	76/250/4x52/4x37/80
50.807.00	76/250/4x52/4x37/120
50.808.00	76/250/4x52/4x37/165
50.809.00	76/250/4x52/4x37/210
Towing trolley	
Part n°	Description
50.810.00	76/250/852/80
50.811.00	76/250/852/120
50.812.00	76/250/852/165
50.813.00	76/250/852/210
Fixed trolley	
Part n°	Description
50.815.00	76/250/80
50.816.00	76/250/120
50.817.00	76/250/165
50.818.00	76/250/80/210



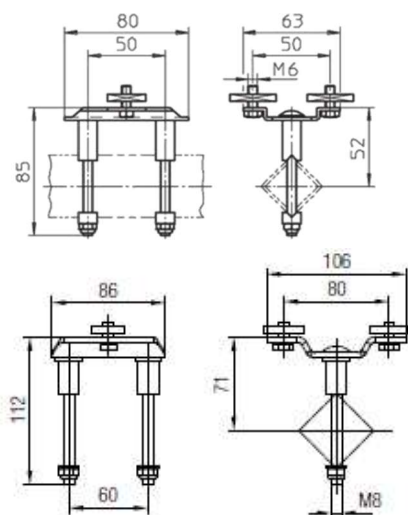




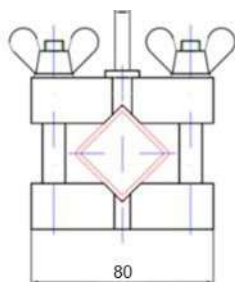
Square tube			
Part n°	Length	Dim(mm)	Kg/m
03.0200.91 (30x30)	4m/ 6m	30x30	1,77Kg
028100-04 (40x40)	4m/ 6m	40x40	3,32Kg



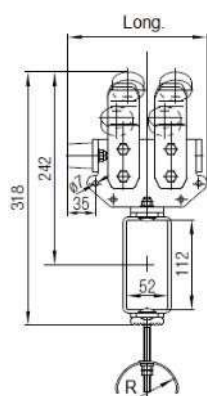
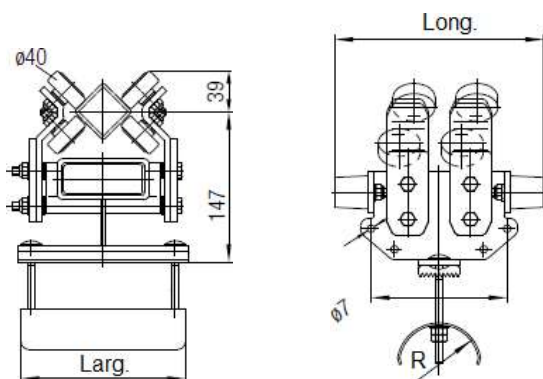
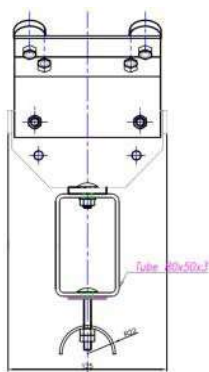
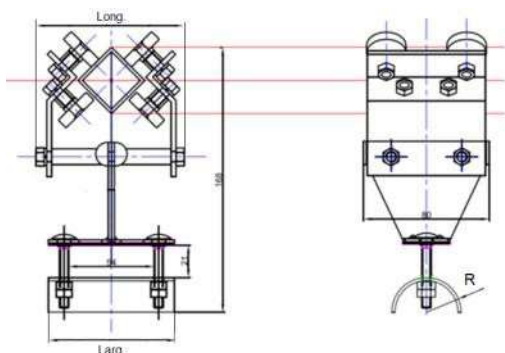
Tube connection piece			
Part n°	Length(mm)	H(mm)	Kg/m
03.02002.90 (30x30)	40	70	0,10Kg
028105 (40x40)	100	72	0,33Kg



Suspension clamp			
Part n°	Length(mm)	Width(mm)	Max. charge
03.02001.95 (30x30)	80	63	125Kg
028121 (40x40)	86	80	250Kg



Needed space		
Part n°	Length(mm)	H(mm)
03.02003.90 (30x30)	80	86
028107 (40x40)	80	100



Cable trolley (30x30) - Max. 10Kg

Cable Support

Part n°	Length(mm)	Width(mm)	Radius(mm)
52.017.00*	80	80	22
52.017.00A	80	80	22
52.017.00P	80	80	22

Towing trolley (30x30) - Max. 10Kg

Cable support

Part n°	Length(mm)	Width(mm)	Radius(mm)
52.072.00*	125	80	22
52.072.00A	125	80	22
52.072.00P	125	80	22

Cable trolley (40x40) - Max. 36Kg

Cable support

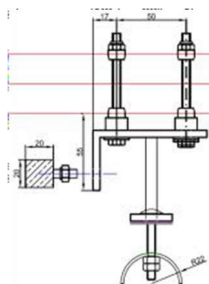
Part n°	Length(mm)	Width(mm)	Radius(mm)
028250	200	100/160	40
028252	250	100/160	80
028253	288	175/215	80

Towing trolley (40x40) - Max. 36Kg

Cable trolley

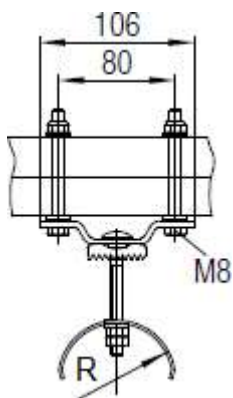
Part n°	Length(mm)	Width(mm)	Radius(mm)
028260	200	100/160	40
028262	250	100/160	65,5
028263	288	175/215	80

* = cable support in nylon
P = cable support with wingnuts



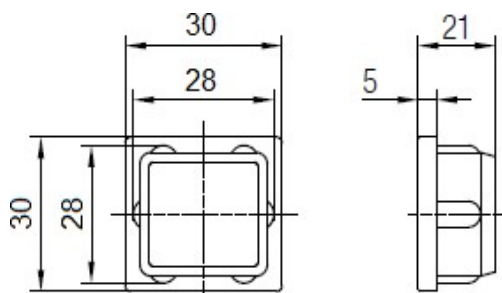
Fixed trolley for flat cable 30x30

Cable support			
Part n°	Length(mm)	Width(mm)	Support(mm)
52.007.00*	67	80	22
52.007.00A	67	80	22
52.007.00P	67	80	22
57.007.10A (met buffer)	67+20	80	22



Fixed trolley for flat cable 40x40

Cable trolley			
Part n°	Length(mm)	Width(mm)	Radius(mm)
028230	106	100	40
028232	106	100	62,5
028233	106	175	80

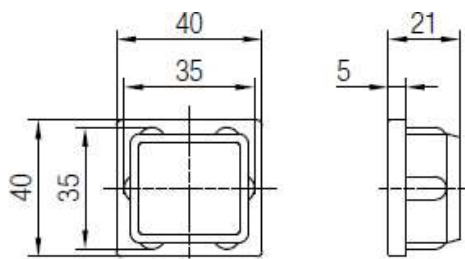


Tube cap

Part n°

020662-31 (30x30)

020662-40 (40x40)



*** = Cable support in nylon**

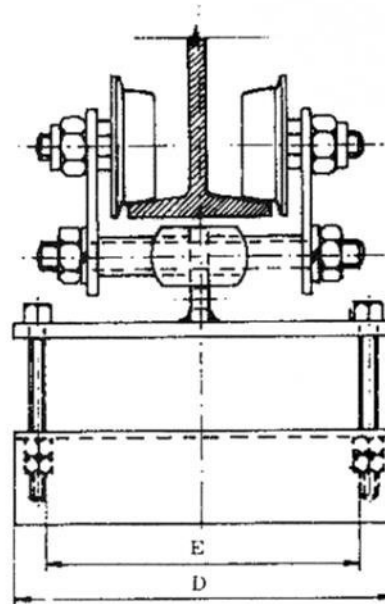
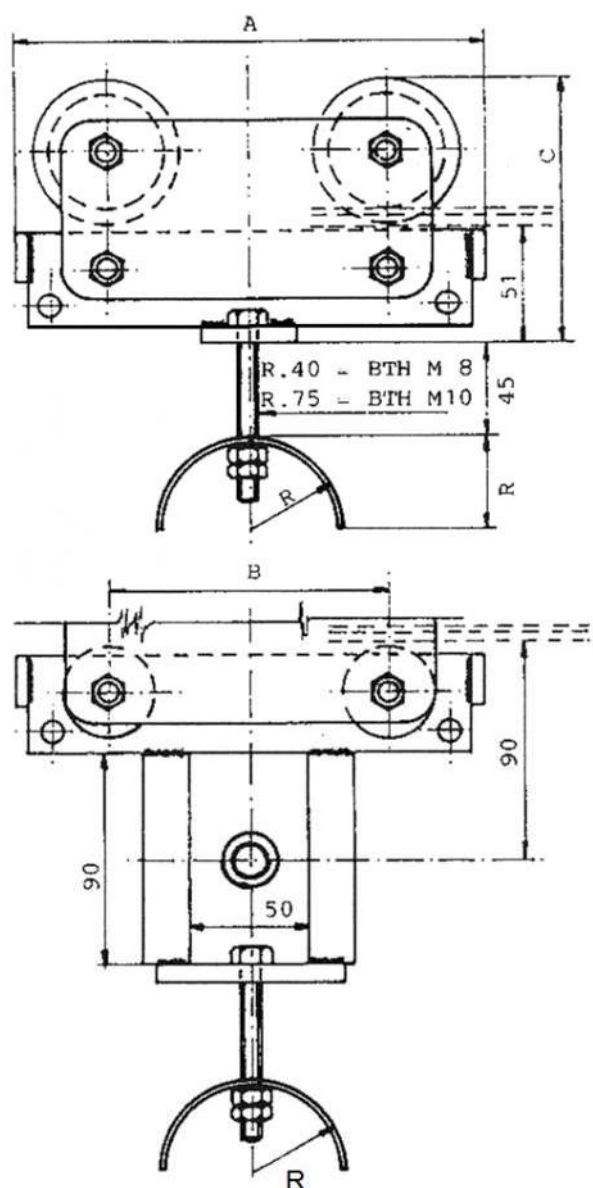
P = Cable support with wingnuts

FESTOON IPN or IPE STAINLESS STEEL (INOX) 316



FESTOON IPN or IPE

STAINLESS STEEL (INOX) 316



Cable trolley n° **56.401.00** equipped with 2 pairs of counterwheels $\varnothing$ 37 mm becomes n° **56.401.20**

IPN/ IPE min 80

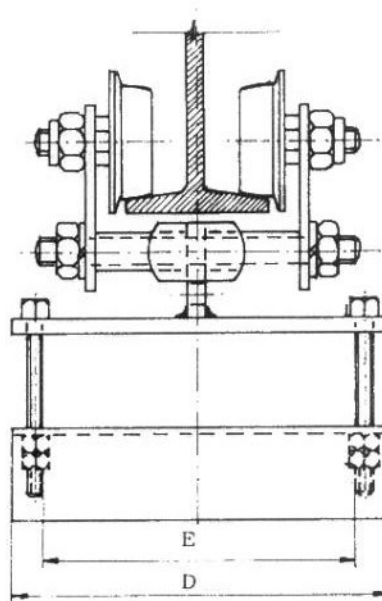
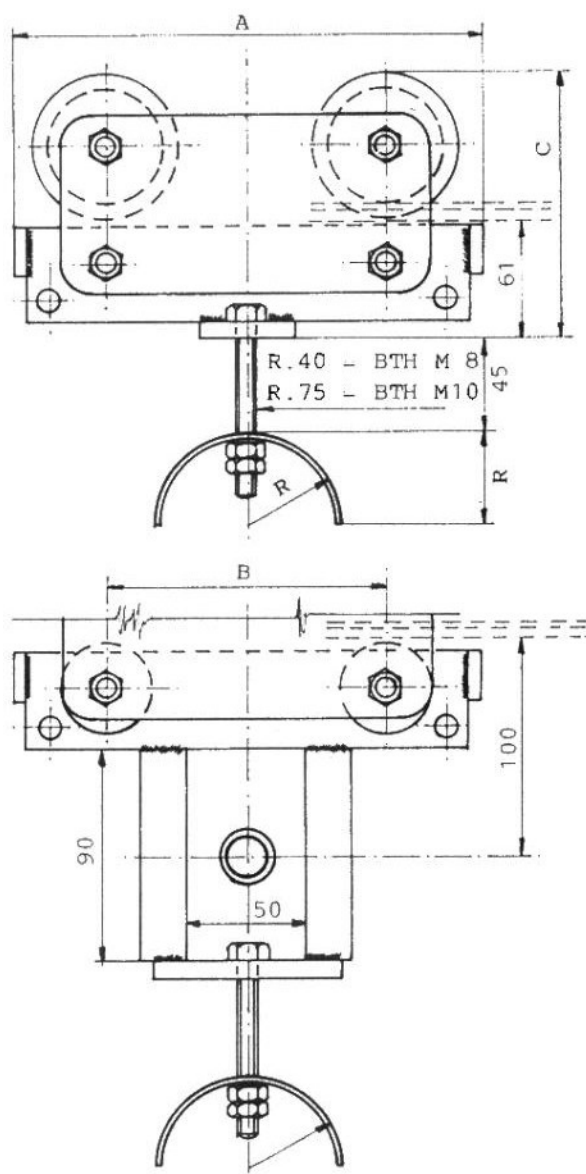
Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Stainless steel wheels diameter 46/60 - axle M12					
56.401.00	IPN/150/46-GA/80	150	80	115	80	50	R = 40 mm
56.402.00	IPN/150/46-GA/120	150	80	115	120	90	R = 40 mm
56.403.00	IPN/150/46-GA/165	150	80	115	165	135	R = 40 mm
56.404.00	IPN/150/46-GA/210	150	80	115	210	180	R = 40 mm
56.405.00	IPN/150/46-GA/255	150	80	115	255	225	R = 40 mm
56.410.00	IPN/200/46-GA/80	200	120	115	80	50	R = 40 mm
56.411.00	IPN/200/46-GA/120	200	120	115	120	90	R = 40 mm
56.412.00	IPN/200/46-GA/165	200	120	115	165	135	R = 40 mm
56.413.00	IPN/200/46-GA/210	200	120	115	210	180	R = 40 mm
56.414.00	IPN/200/46-GA/255	200	120	115	255	225	R = 40 mm

FESTOON IPN or IPE

STAINLESS STEEL (INOX) 316

IPN/ IPE minimum 80

Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley	Stainless steel wheels diameter 46/60 - axle M12						
56.430.00	IPN/250/46-GA/80	250	120	115	80	50	R = 75 mm
56.431.00	IPN/250/46-GA/120	250	120	115	120	90	R = 75 mm
56.432.00	IPN/250/46-GA/165	250	120	115	165	135	R = 75 mm
56.433.00	IPN/250/46-GA/210	250	120	115	210	180	R = 75 mm
56.434.00	IPN/250/46-GA/255	250	120	115	255	225	R = 75 mm
56.440.00	IPN/300/46-GA/80	300	180	115	80	50	R = 75 mm
56.441.00	IPN/300/46-GA/120	300	180	115	120	90	R = 75 mm
56.442.00	IPN/300/46-GA/165	300	180	115	165	135	R = 75 mm
56.443.00	IPN/300/46-GA/210	300	180	115	210	180	R = 75 mm
56.444.00	IPN/300/46-GA/255	300	180	115	255	225	R = 75 mm
Towing trolley	Stainless steel wheels diameter 46/60 - axle M12						
56.450.00	IPN/150/46-GA/80	150	80	115	80	50	R = 40 mm
56.451.00	IPN/150/46-GA/120	150	80	115	120	90	R = 40 mm
56.452.00	IPN/150/46-GA/165	150	80	115	165	135	R = 40 mm
56.453.00	IPN/150/46-GA/210	150	80	115	210	180	R = 40 mm
56.454.00	IPN/150/46-GA/255	150	80	115	255	225	R = 40 mm
56.460.00	IPN/200/46-GA/80	200	120	115	80	50	R = 40 mm
56.461.00	IPN/200/46-GA/120	200	120	115	120	90	R = 40 mm
56.462.00	IPN/200/46-GA/165	200	120	115	165	135	R = 40 mm
56.463.00	IPN/200/46-GA/210	200	120	115	210	180	R = 40 mm
56.464.00	IPN/200/46-GA/255	200	120	115	255	225	R = 40 mm
56.470.00	IPN/250/46-GA/80	250	120	115	80	50	R = 75 mm
56.471.00	IPN/250/46-GA/120	250	120	115	120	90	R = 75 mm
56.472.00	IPN/250/46-GA/165	250	120	115	165	135	R = 75 mm
56.473.00	IPN/250/46-GA/210	250	120	115	210	180	R = 75 mm
56.474.00	IPN/250/46-GA/255	250	120	115	255	225	R = 75 mm
56.480.00	IPN/300/46-GA/80	300	180	115	80	50	R = 75 mm
56.481.00	IPN/300/46-GA/120	300	180	115	120	90	R = 75 mm
56.482.00	IPN/300/46-GA/165	300	180	115	165	135	R = 75 mm
56.483.00	IPN/300/46-GA/210	300	180	115	210	180	R = 75 mm
56.484.00	IPN/300/46-GA/255	300	180	115	255	225	R = 75 mm



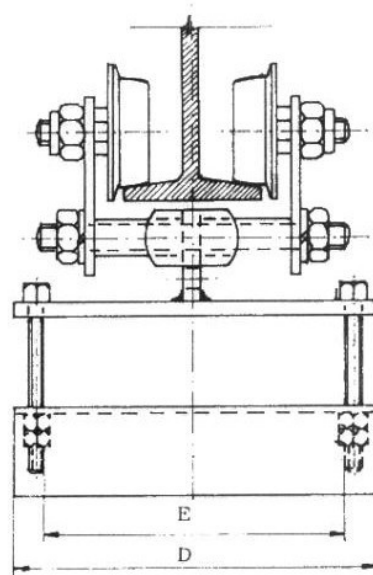
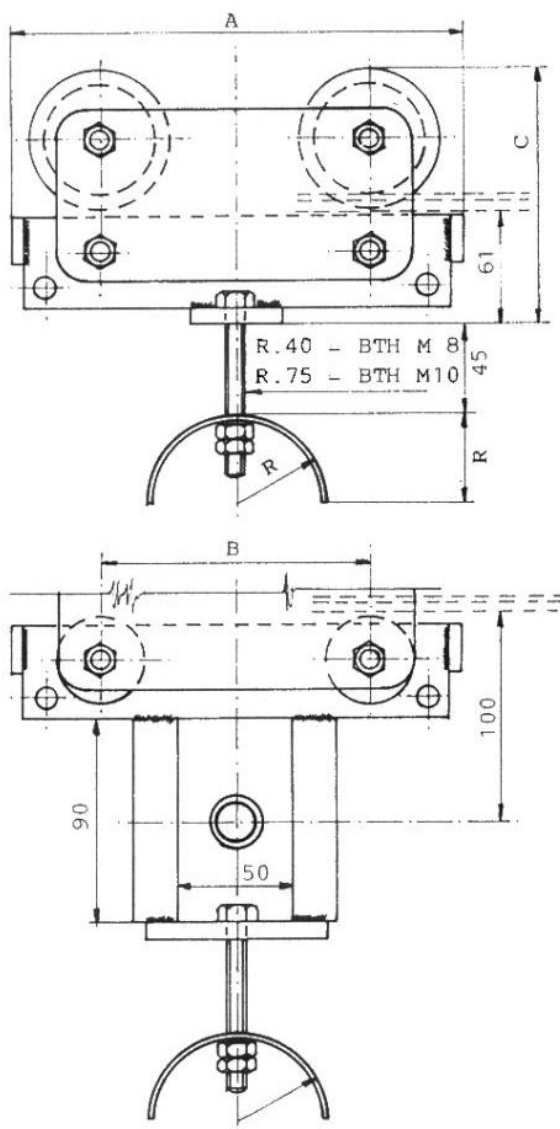
Cable trolley n° **56.601.00** equipped with 2 pairs of counterwheels $\varnothing$ 37 mm becomes n° **56.601.20**

IPN/ IPE minimum 80

Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley	Galvanized wheels diameter 46/60 x 18 – axle M12						
56.601.00	IPN/150/46-GA/80	150	80	115	80	50	R = 40 mm
56.602.00	IPN/150/46-GA/120	150	80	115	120	90	R = 40 mm
56.603.00	IPN/150/46-GA/165	150	80	115	165	135	R = 40 mm
56.604.00	IPN/150/46-GA/210	150	80	115	210	180	R = 40 mm
56.605.00	IPN/150/46-GA/255	150	80	115	255	225	R = 40 mm
56.611.00	IPN/200/46-GA/80	200	120	115	80	50	R = 40 mm
56.612.00	IPN/200/46-GA/120	200	120	115	120	90	R = 40 mm
56.613.00	IPN/200/46-GA/165	200	120	115	165	135	R = 40 mm
56.614.00	IPN/200/46-GA/210	200	120	115	210	180	R = 40 mm
56.615.00	IPN/200/46-GA/255	200	120	115	255	225	R = 40 mm

IPN/ IPE minimum 80

Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Galvanized wheels diameter 46/60 x 18 - axle M12					
56.621.00	IPN/250/46-GA/80	250	120	115	80	50	R = 75 mm
56.622.00	IPN/250/46-GA/120	250	120	115	120	90	R = 75 mm
56.623.00	IPN/250/46-GA/165	250	120	115	165	135	R = 75 mm
56.624.00	IPN/250/46-GA/210	250	120	115	210	180	R = 75 mm
56.625.00	IPN/250/46-GA/255	250	120	115	255	225	R = 75 mm
56.626.00	IPN/300/46-GA/80	300	180	115	80	50	R = 75 mm
56.627.00	IPN/300/46-GA/120	300	180	115	120	90	R = 75 mm
56.628.00	IPN/300/46-GA/165	300	180	115	165	135	R = 75 mm
56.629.00	IPN/300/46-GA/210	300	180	115	210	180	R = 75 mm
56.630.00	IPN/300/46-GA/255	300	180	115	255	225	R = 75 mm
Towing trolley		Galvanized wheels diameter 46/60 x 18 – axle M12					
56.650.00	IPN/150/46-GA/80	150	80	115	80	50	R = 40 mm
56.651.00	IPN/150/46-GA/120	150	80	115	120	90	R = 40 mm
56.652.00	IPN/150/46-GA/165	150	80	115	165	135	R = 40 mm
56.653.00	IPN/150/46-GA/210	150	80	115	210	180	R = 40 mm
56.654.00	IPN/150/46-GA/255	150	80	115	255	225	R = 40 mm
56.656.00	IPN/200/46-GA/80	200	120	115	80	50	R = 40 mm
56.657.00	IPN/200/46-GA/120	200	120	115	120	90	R = 40 mm
56.658.00	IPN/200/46-GA/165	200	120	115	165	135	R = 40 mm
56.659.00	IPN/200/46-GA/210	200	120	115	210	180	R = 40 mm
56.660.00	IPN/200/46-GA/255	200	120	115	255	225	R = 40 mm
56.662.00	IPN/250/46-GA/80	250	120	115	80	50	R = 75 mm
56.663.00	IPN/250/46-GA/120	250	120	115	120	90	R = 75 mm
56.664.00	IPN/250/46-GA/165	250	120	115	165	135	R = 75 mm
56.665.00	IPN/250/46-GA/210	250	120	115	210	180	R = 75 mm
56.666.00	IPN/250/46-GA/255	250	120	115	255	225	R = 75 mm
56.669.00	IPN/300/46-GA/80	300	180	115	80	50	R = 75 mm
56.670.00	IPN/300/46-GA/120	300	180	115	120	90	R = 75 mm
56.671.00	IPN/300/46-GA/165	300	180	115	165	135	R = 75 mm
56.672.00	IPN/300/46-GA/210	300	180	115	210	180	R = 75 mm
56.673.00	IPN/300/46-GA/255	300	180	115	255	225	R = 75 mm



Cable trolley n° **50.631.00** equipped with 2 pairs of counterwheels ø 37 mm becomes **50.631.20**

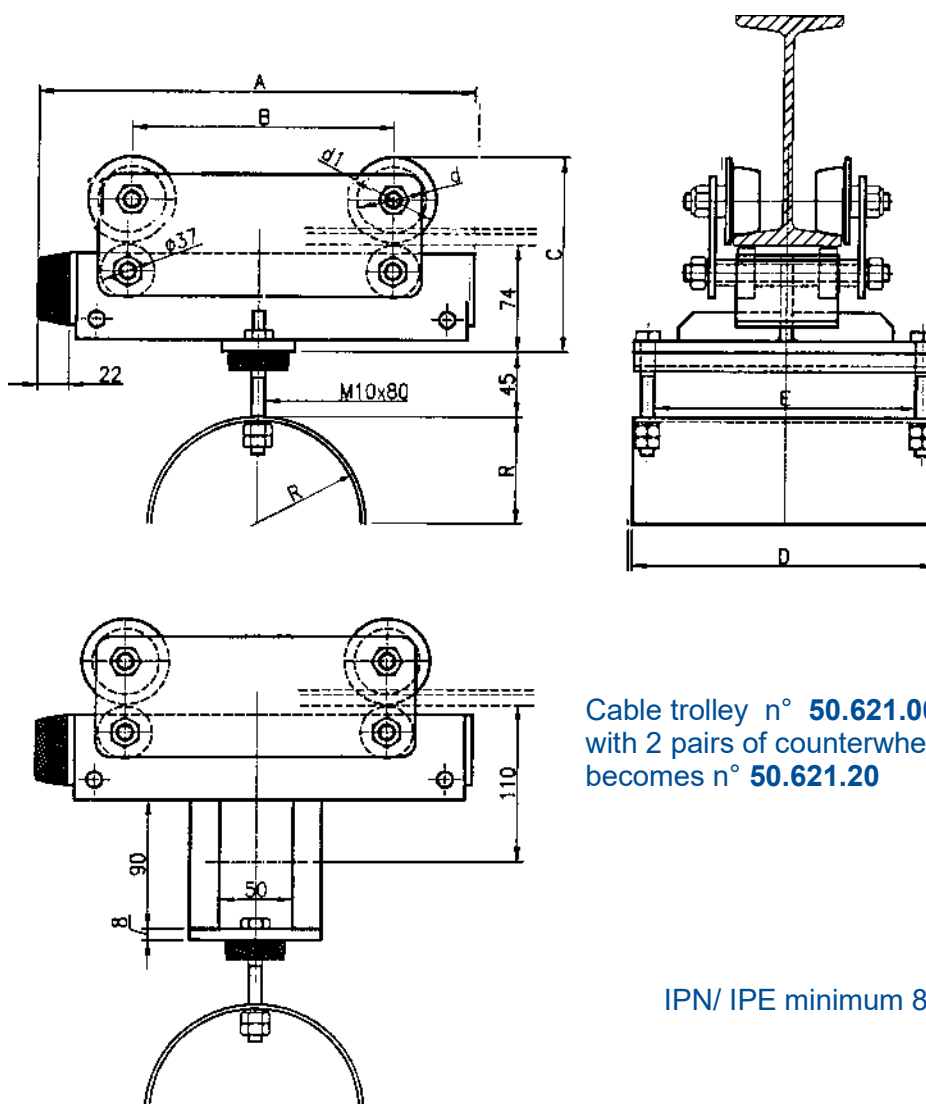
IPN/ IPE min 120

Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Galvanized wheels diameter 80/100 x 25 – axle M16					
50.631.00	IPN/230/80-GA/80	230	120	160	80	50	R = 40 mm
50.632.00	IPN/230/80-GA/120	230	120	160	120	90	R = 40 mm
50.633.00	IPN/230/80-GA/165	230	120	160	165	135	R = 40 mm
50.634.00	IPN/230/80-GA/210	230	120	160	210	180	R = 40 mm
50.635.00	IPN/230/80-GA/255	230	120	160	255	225	R = 40 mm
50.641.00	IPN/250/80-GA/80	250	120	160	80	50	R = 75 mm
50.642.00	IPN/250/80-GA/120	250	120	160	120	90	R = 75 mm
50.643.00	IPN/250/80-GA/165	250	120	160	165	135	R = 75 mm
50.644.00	IPN/250/80-GA/210	250	120	160	210	180	R = 75 mm
50.645.00	IPN/250/80-GA/255	250	120	160	255	225	R = 75 mm

IPN/ IPE minimum 80

Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Galvanized wheels diameter 80/100 x 25 – axle M16					
50.651.00	IPN/300/80-GA/80	300	180	160	80	50	R = 75 mm
50.652.00	IPN/300/80-GA/120	300	180	160	120	90	R = 75 mm
50.653.00	IPN/300/80-GA/165	300	180	160	165	135	R = 75 mm
50.654.00	IPN/300/80-GA/210	300	180	160	210	180	R = 75 mm
50.655.00	IPN/300/80-GA/255	300	180	160	255	225	R = 75 mm
Towing trolley		Galvanized wheels diameter 80/100 x 25 – axle 16					
50.668.00	IPN/230/80-GA/80	230	120	160	80	50	R = 40 mm
50.669.00	IPN/230/80-GA/120	230	120	160	120	90	R = 40 mm
50.670.00	IPN/230/80-GA/165	230	120	160	165	135	R = 40 mm
50.670.50	IPN/230/80-GA/210	230	120	160	210	180	R = 40 mm
50.670.70	IPN/230/80-GA/255	230	120	160	255	225	R = 40 mm
50.671.00	IPN/250/80-GA/80	250	120	160	80	50	R = 75 mm
50.672.00	IPN/250/80-GA/120	250	120	160	120	90	R = 75 mm
50.673.00	IPN/250/80-GA/165	250	120	160	165	135	R = 75 mm
50.674.00	IPN/250/80-GA/210	250	120	160	210	180	R = 75 mm
50.674.50	IPN/250/80-GA/255	250	120	160	255	225	R = 75 mm
50.675.00	IPN/300/80-GA/80	300	180	160	80	50	R = 75 mm
50.676.00	IPN/300/80-GA/120	300	180	160	120	90	R = 75 mm
50.677.00	IPN/300/80-GA/165	300	180	160	165	135	R = 75 mm
50.678.00	IPN/300/80-GA/210	300	180	160	210	180	R = 75 mm
50.679.00	IPN/300/80-GA/255	300	180	160	255	225	R = 75 mm

FESTOON IPN or IPE GALVANIZED/ with buffer



Cable trolley n° **50.621.00** equipped with 2 pairs of counterwheels Ø 37 mm becomes n° **50.621.20**

IPN/ IPE minimum 80

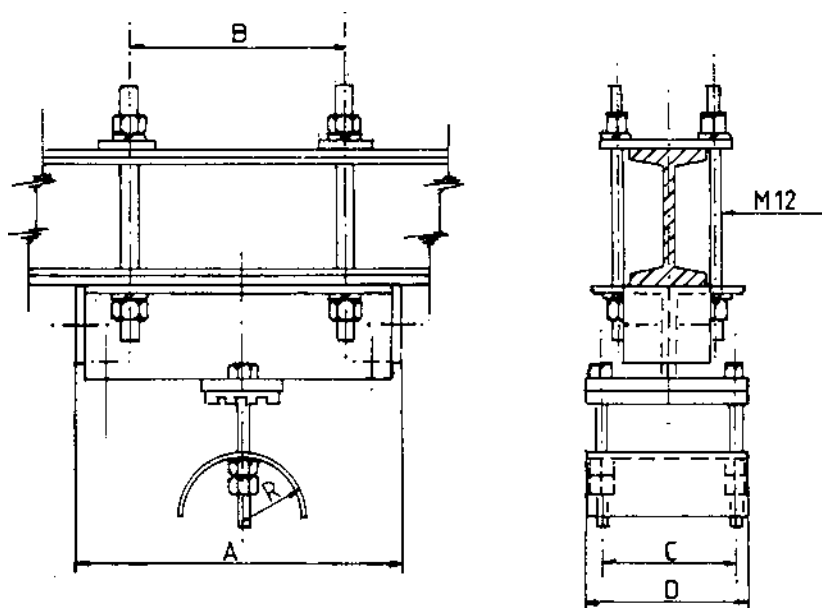
Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Galvanized wheels diameter 46/60 x 18 - axle M12					
57.621.00	IPN/250/46-GA/80/1BC	250	120	115	80	50	R = 75 mm
57.622.00	IPN/250/46-GA/120/1BC	250	120	115	120	90	R = 75 mm
57.623.00	IPN/250/46-GA/165/1BC	250	120	115	165	135	R = 75 mm
57.624.00	IPN/250/46-GA/210/1BC	250	120	115	210	180	R = 75 mm
57.625.00	IPN/250/46-GA/255 /1BC	250	120	115	255	225	R = 75 mm
57.626.00	IPN/300/46-GA/80/1BC	300	180	115	80	50	R = 75 mm
57.627.00	IPN/300/46-GA/120/1BC	300	180	115	120	90	R = 75 mm
57.628.00	IPN/300/46-GA/165/1BC	300	180	115	165	135	R = 75 mm
57.629.00	IPN/300/46-GA/210/1BC	300	180	115	210	180	R = 75 mm
57.630.00	IPN/300/46-GA/255/1BC	300	180	115	255	225	R = 75 mm

FESTOON IPN or IPE

GALVANIZED/ with buffer

IPN/ IPE minimum 80 & 120

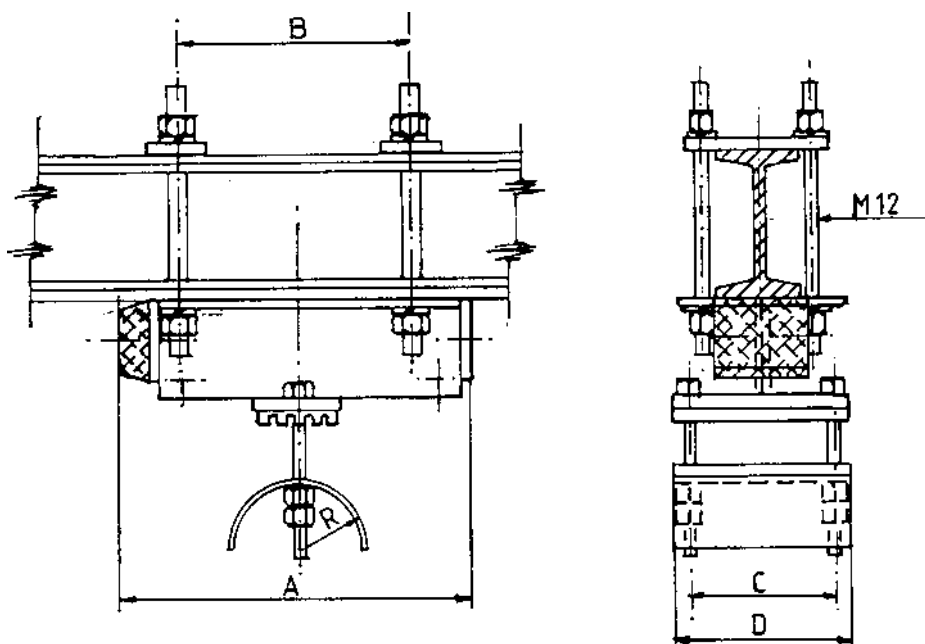
Part n°	Description	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Cable support
Cable trolley		Galvanized wheels diameter 80/100 x 25 - axle M16					
57.641.00	IPN/250/80-GA/80/1BC	250	120	160	80	50	R = 75 mm
57.642.00	IPN/250/80-GA/120/1BC	250	120	160	120	90	R = 75 mm
57.643.00	IPN/250/80-GA/165/1BC	250	120	160	165	135	R = 75 mm
57.644.00	IPN/250/80-GA/210/1BC	250	120	160	210	180	R = 75 mm
57.645.00	IPN/250/80-GA/255/1BC	250	120	160	255	225	R = 75 mm
57.651.00	IPN/300/80-GA/80/1BC	300	180	160	80	50	R = 75 mm
57.652.00	IPN/300/80-GA/120/1BC	300	180	160	120	90	R = 75 mm
57.653.00	IPN/300/80-GA/165/1BC	300	180	160	165	135	R = 75 mm
57.654.00	IPN/300/80-GA/210/1BC	300	180	160	210	180	R = 75 mm
57.655.00	IPN/300/80-GA/255/1BC	300	180	160	255	225	R = 75 mm
Towing trolley		Galvanized wheels diameter 46/60 x 18 - axle M12					
57.665.00	IPN/250/46-GA/80/1BC	250	120	115	80	50	R = 75 mm
57.666.00	IPN/250/46-GA/120/1BC	250	120	115	120	90	R = 75 mm
57.667.00	IPN/250/46-GA/165/1BC	250	120	115	165	135	R = 75 mm
57.668.00	IPN/250/46-GA/210/1BC	250	120	115	210	180	R = 75 mm
57.669.00	IPN/250/46-GA/255/1BC	250	120	115	255	225	R = 75 mm
57.670.00	IPN/300/46-GA/80/1BC	300	180	115	80	50	R = 75 mm
57.671.00	IPN/300/46-GA/120/1BC	300	180	115	120	90	R = 75 mm
57.672.00	IPN/300/46-GA/165/1BC	300	180	115	165	135	R = 75 mm
57.673.00	IPN/300/46-GA/210/1BC	300	180	115	210	180	R = 75 mm
57.674.00	IPN/300/46-GA/255/1BC	300	180	115	255	225	R = 75 mm
Towing trolley		Galvanized wheels diameter 80/100 x 25 - axle M16					
57.680.00	IPN/250/80-GA/80/1BC	250	120	160	80	50	R = 75 mm
57.681.00	IPN/250/80-GA/120/1BC	250	120	160	120	90	R = 75 mm
57.682.00	IPN/250/80-GA/165/1BC	250	120	160	165	135	R = 75 mm
57.683.00	IPN/250/80-GA/210/1BC	250	120	160	210	180	R = 75 mm
57.684.00	IPN/250/80-GA/255/1BC	250	120	160	255	225	R = 75 mm
57.685.00	IPN/300/80-GA/80/1BC	300	180	160	80	50	R = 75 mm
57.686.00	IPN/300/80-GA/120/1BC	300	180	160	120	90	R = 75 mm
57.687.00	IPN/300/80-GA/165/1BC	300	180	160	165	135	R = 75 mm
57.688.00	IPN/300/80-GA/210/1BC	300	180	160	210	180	R = 75 mm
57.689.00	IPN/300/80-GA/255/1BC	300	180	160	255	225	R = 75 mm



Part n°	Type	A(mm)	B(mm)	C(mm)	D(mm)	Cable support
56.801.00	150/80	150	90	50	80	R = 40 mm
56.802.00	150/120	150	90	100	120	R = 40 mm
56.803.00	150/165	150	90	145	165	R = 40 mm
56.804.00	150/210	150	90	180	210	R = 40 mm
56.805.00	150/255	150	90	225	255	R = 40 mm
56.811.00	200/80	200	140	50	80	R = 40 mm
56.812.00	200/120	200	140	100	120	R = 40 mm
56.813.00	200/165	200	140	145	165	R = 40 mm
56.814.00	200/210	200	140	180	210	R = 40 mm
56.815.00	200/255	200	140	225	255	R = 40 mm
56.821.00	250/80	250	190	50	80	R = 75 mm
56.822.00	250/120	250	190	100	120	R = 75 mm
56.823.00	250/165	250	190	145	165	R = 75 mm
56.824.00	250/210	250	190	180	210	R = 75 mm
56.825.00	250/255	250	190	225	255	R = 75 mm
56.831.00	300/80	300	240	50	80	R = 75 mm
56.832.00	300/120	300	240	100	120	R = 75 mm
56.833.00	300/165	300	240	145	165	R = 75 mm
56.834.00	300/210	300	240	180	210	R = 75 mm
56.835.00	300/255	300	240	225	255	R = 75 mm

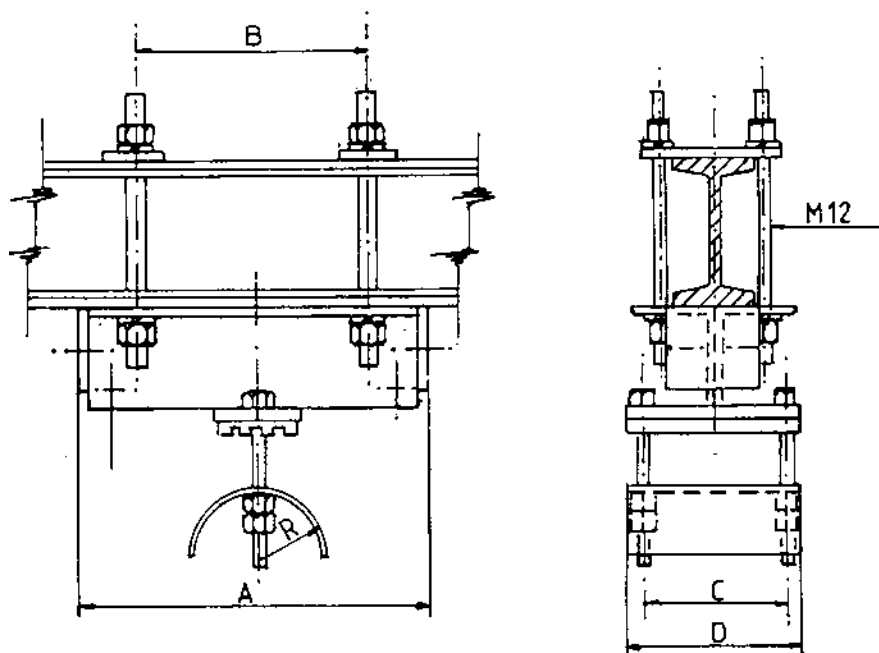
FESTOON IPN or IPE

Fixed trolley with buffer

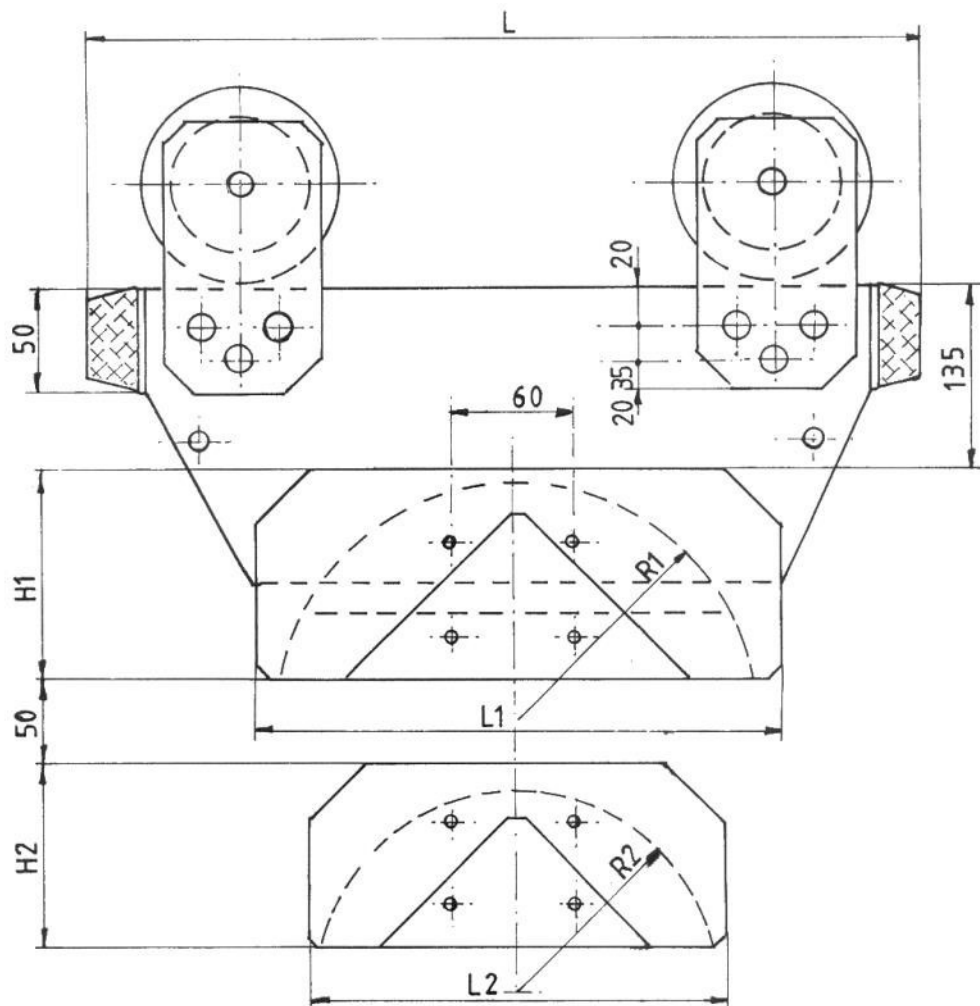


Part n°	Type	A(mm)	B(mm)	C(mm)	D(mm)	Cable support
56.901.00	150/80	150	90	50	80	R = 40 mm
56.902.00	150/120	150	90	100	120	R = 40 mm
56.903.00	150/165	150	90	145	165	R = 40 mm
56.904.00	150/210	150	90	180	210	R = 40 mm
56.905.00	150/255	150	90	225	255	R = 40 mm
56.911.00	200/80	200	140	50	80	R = 40 mm
56.912.00	200/120	200	140	100	120	R = 40 mm
56.913.00	200/165	200	140	145	165	R = 40 mm
56.914.00	200/210	200	140	180	210	R = 40 mm
56.915.00	200/255	200	140	225	255	R = 40 mm
56.921.00	250/80	250	190	50	80	R = 75 mm
56.922.00	250/120	250	190	100	120	R = 75 mm
56.923.00	250/165	250	190	145	165	R = 75 mm
56.924.00	250/210	250	190	180	210	R = 75 mm
56.925.00	250/255	250	190	225	255	R = 75 mm
56.931.00	300/80	300	240	50	80	R = 75 mm
56.932.00	300/120	300	240	100	120	R = 75 mm
56.933.00	300/165	300	240	145	165	R = 75 mm
56.934.00	300/210	300	240	180	210	R = 75 mm
56.935.00	300/255	300	240	225	255	R = 75 mm

STAINLESS STEEL 316

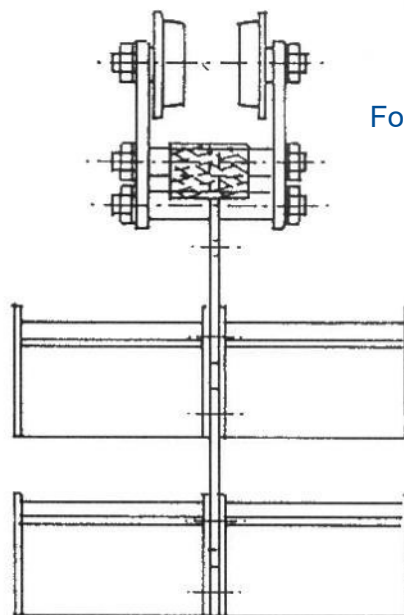
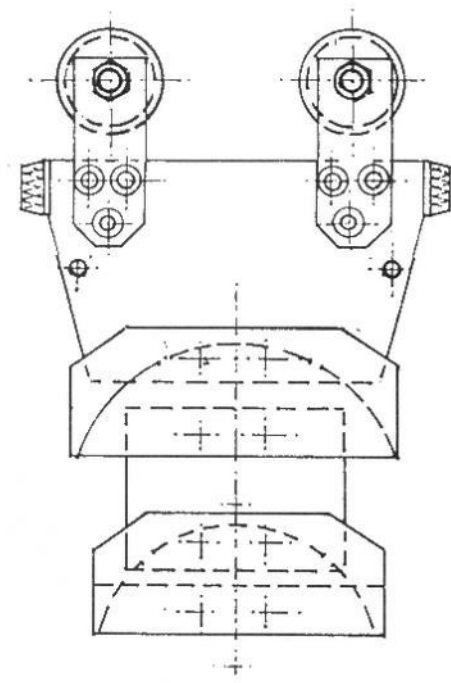


Part n°	Type	A(mm)	B(mm)	C(mm)	D(mm)	Cable support
56.851.00	150/80	150	90	50	80	R = 40 mm
56.852.00	150/120	150	90	100	120	R = 40 mm
56.853.00	150/165	150	90	145	165	R = 40 mm
56.854.00	150/210	150	90	180	210	R = 40 mm
56.855.00	150/255	150	90	225	255	R = 40 mm
56.861.00	200/80	200	140	50	80	R = 40 mm
56.862.00	200/120	200	140	100	120	R = 40 mm
56.863.00	200/165	200	140	145	165	R = 40 mm
56.864.00	200/210	200	140	180	210	R = 40 mm
56.865.00	200/255	200	140	225	255	R = 40 mm
56.871.00	250/80	250	190	50	80	R = 75 mm
56.872.00	250/120	250	190	100	120	R = 75 mm
56.873.00	250/165	250	190	145	165	R = 75 mm
56.874.00	250/210	250	190	180	210	R = 75 mm
56.875.00	250/255	250	190	225	255	R = 75 mm
56.881.00	300/80	300	240	50	80	R = 75 mm
56.882.00	300/120	300	240	100	120	R = 75 mm
56.883.00	300/165	300	240	145	165	R = 75 mm
56.884.00	300/210	300	240	180	210	R = 75 mm
56.885.00	300/255	300	240	225	255	R = 75 mm



Length cable trolley	First stage L1 x H1 x R1	Second stage L2 x H2 x R2	Third stage L3 x H3 x R3
250 mm	200 x 80 x 90 mm	-	-
375 mm	265 x 110 x 120 mm	200 x 80 x 90 mm	-
450 mm	325 x 120 x 155 mm	265 x 110 x 120 mm	200 x 80 x 90 mm
525 mm	400 x 140 x 200 mm	325 x 120 x 155 mm	265 x 110 x 120 mm

Cable trolley with cable support for round cables

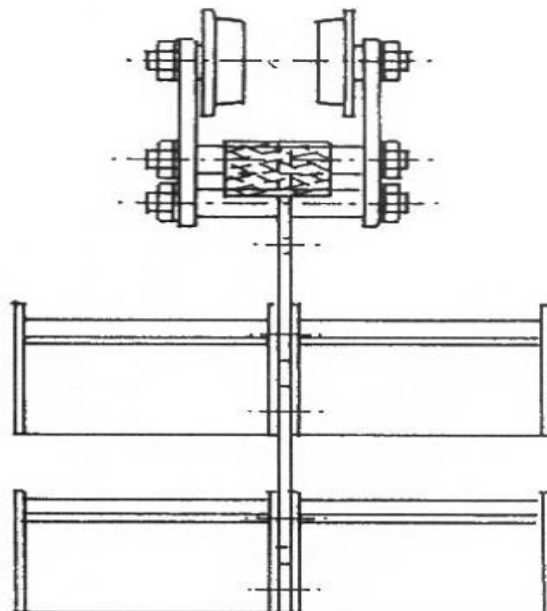
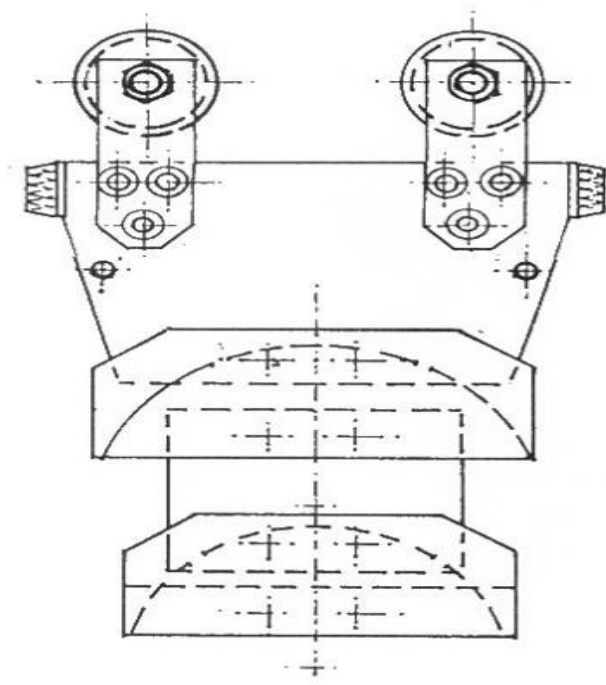


For IPN minimum 100

Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	R3(mm)
Cable trolley		Galvanized wheels diameter 46/60 x 23 - axle M12				
50.735.11	IPN../250/46-GA/1 and 2 x 100	250	230	90	-	-
50.735.12	IPN../250/46-GA/1 and 2 x 200	250	430	90	-	-
50.736.11	IPN../375/46-GA/1 and 2 x 100	375	230	120	-	-
50.736.12	IPN../375/46-GA/1 and 2 x 200	375	430	120	-	-
50.736.21	IPN../375/46-GA/2 and 2 x 100	375	230	120	90	-
50.736.22	IPN../375/46-GA/2 and 2 x 200	375	430	120	90	-
50.737.11	IPN../450/46-GA/1 and 2 x 100	450	230	155	-	-
50.737.12	IPN../450/46-GA/1 and 2 x 200	450	430	155	-	-
50.737.21	IPN../450/46-GA/2 and 2 x 100	450	230	155	120	-
50.737.22	IPN../450/46-GA/2 and 2 x 200	450	430	155	120	-
50.737.31	IPN../450/46-GA/3 and 2 x 100	450	230	155	120	90
50.737.32	IPN../450/46-GA/3 and 2 x 200	450	430	155	120	90
50.738.11	IPN../525/46-GA/1 and 2 x 100	525	230	200	-	-
50.738.12	IPN../525/46-GA/1 and 2 x 200	525	430	200	-	-
50.738.21	IPN../525/46-GA/2 and 2 x 100	525	230	200	155	-
50.738.22	IPN../525/46-GA/2 and 2 x 200	525	430	200	155	-
50.738.31	IPN../525/46-GA/3 and 2 x 100	525	230	200	155	120
50.738.32	IPN../525/46-GA/3 and 2 x 200	525	430	200	155	120

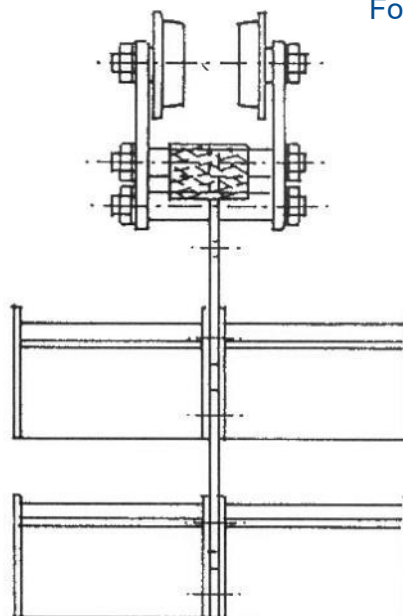
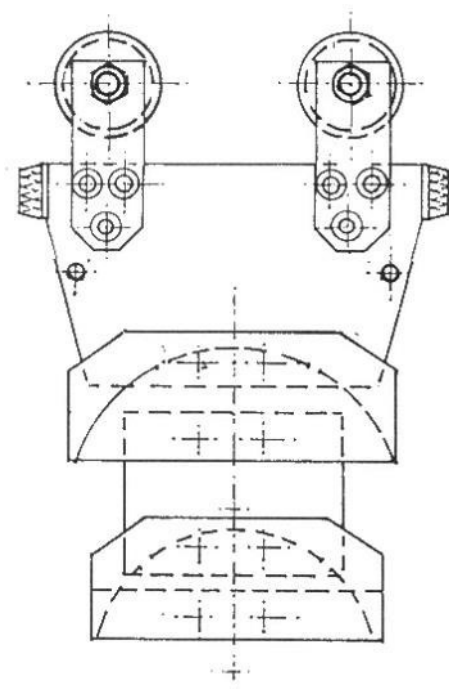
FESTOON IPN or IPE

Cable trolley with cable support for round cables



For IPN minimum 120

Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	R3(mm)
Cable trolley		Galvanized wheels diameter 80/100 x 25 - axle M16				
50.740.11	IPN../250/80-GA/1 and 2 x 100	250	230	90	-	-
50.740.12	IPN../250/80-GA/1 and 2 x 200	250	430	90	-	-
50.741.11	IPN../375/80-GA/1 and 2 x 100	375	230	120	-	-
50.741.12	IPN../375/80-GA/1 and 2 x 200	375	430	120	-	-
50.741.21	IPN../375/80-GA/2 and 2 x 100	375	230	120	90	-
50.741.22	IPN../375/80-GA/2 and 2 x 200	375	430	120	90	-
50.742.11	IPN../450/80-GA/1 and 2 x 100	450	230	155	-	-
50.742.12	IPN../450/80-GA/1 and 2 x 200	450	430	155	-	-
50.742.21	IPN../450/80-GA/2 and 2 x 100	450	230	155	120	-
50.742.22	IPN../450/80-GA/2 and 2 x 200	450	430	155	120	-
50.742.31	IPN../450/80-GA/3 and 2 x 100	450	230	155	120	90
50.742.32	IPN../450/80-GA/3 and 2 x 200	450	430	155	120	90
50.743.11	IPN../525/80-GA/1 and 2 x 100	525	230	200	-	-
50.743.12	IPN../525/80-GA/1 and 2 x 200	525	430	200	-	-
50.743.21	IPN../525/80-GA/2 and 2 x 100	525	230	200	155	-
50.743.22	IPN../525/80-GA/2 and 2 x 200	525	430	200	155	-
50.743.31	IPN../525/80-GA/3 and 2 x 100	525	230	200	155	120
50.743.32	IPN../525/80-GA/3 and 2 x 200	525	430	200	155	120

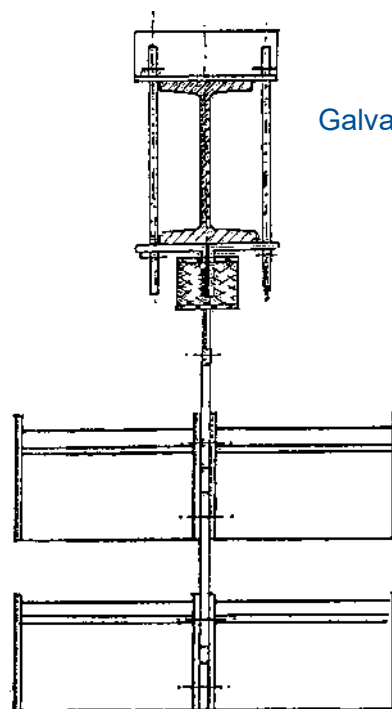
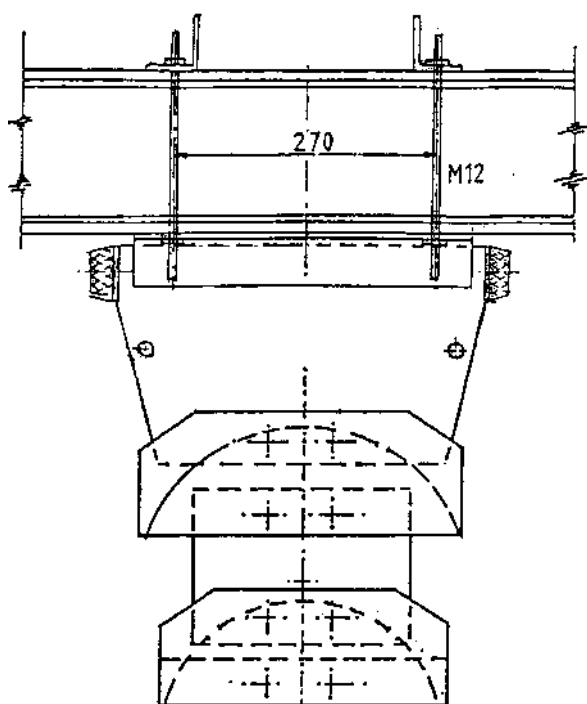


For IPN minimum 160

Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	R3(mm)
Cable trolley		Galvanized wheels diameter 100/120 and 120/144 - axle M16				
50.746.11	IPN../450/100-120/1 and 2 x 100	450	230	155	-	-
50.746.12	IPN../450/100-120/1 and 2 x 200	450	430	155	-	-
50.746.13	IPN../450/100-120/1 and 2 x 300	450	630	155	-	-
50.746.21	IPN../450/100-120/2 and 2 x 100	450	230	155	120	-
50.746.22	IPN../450/100-120/2 and 2 x 200	450	430	155	120	-
50.746.23	IPN../450/100-120/2 and 2 x 300	450	630	155	120	-
50.746.31	IPN../450/100-120/3 and 2 x 100	450	230	155	120	90
50.746.32	IPN../450/100-120/3 and 2 x 200	450	430	155	120	90
50.746.33	IPN../450/100-120/3 and 2 x 300	450	630	155	120	90
50.747.11	IPN../525/120-144/1 and 2 x 100	525	230	200	-	-
50.747.12	IPN../525/120-144/1 and 2 x 200	525	430	200	-	-
50.747.13	IPN../525/120-144/1 and 2 x 300	525	630	200	-	-
50.747.21	IPN../525/120-144/2 and 2 x 100	525	230	200	155	-
50.747.22	IPN../525/120-144/2 and 2 x 200	525	430	200	155	-
50.747.23	IPN../525/120-144/2 and 2 x 300	525	630	200	155	-
50.747.31	IPN../525/120-144/3 and 2 x 100	525	230	200	155	120
50.747.32	IPN../525/120-144/3 and 2 x 200	525	430	200	155	120
50.747.33	IPN../525/120-144/3 and 2 x 300	525	630	200	155	120

FESTOON IPN or IPE

Fixed trolley with cable support for round cables

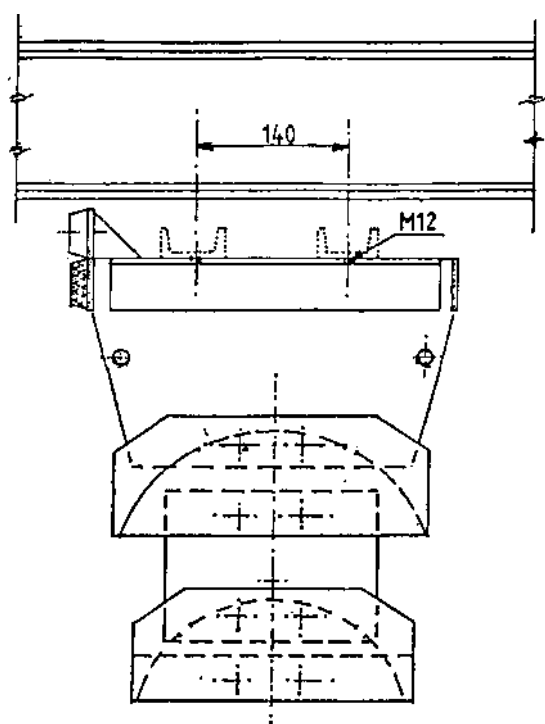


Galvanized steel

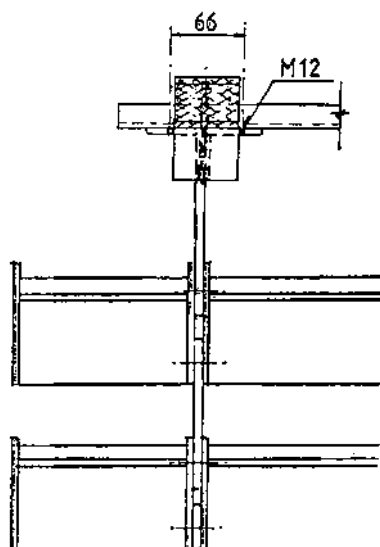
Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	R3(mm)
50.785.11	PTF - IPN../250/1 and 2 x 100	250	230	90	-	-
50.785.12	PTF - IPN../250/2 and 2 x 100	250	430	90	-	-
50.786.11	PTF - IPN../375/1 and 2 x 100	375	230	120	-	-
50.786.12	PTF - IPN../375/1 and 2 x 200	375	430	120	-	-
50.786.21	PTF - IPN../375/2 and 2 x 100	375	230	120	90	-
50.786.22	PTF - IPN../375/2 and 2 x 200	375	430	120	90	-
50.787.11	PTF - IPN../450/1 and 2 x 100	450	230	155	-	-
50.787.12	PTF - IPN../450/1 and 2 x 200	450	430	155	-	-
50.787.21	PTF - IPN../450/2 and 2 x 100	450	230	155	120	-
50.787.22	PTF - IPN../450/2 and 2 x 200	450	430	155	120	-
50.787.31	PTF - IPN../450/3 and 2 x 100	450	230	155	120	90
50.787.32	PTF - IPN../450/3 and 2 x 200	450	430	155	120	90
50.788.11	PTF - IPN../525/1 and 2 x 100	525	230	200	-	-
50.788.12	PTF - IPN../525/1 and 2 x 200	525	430	200	-	-
50.788.21	PTF - IPN../525/2 and 2 x 100	525	230	200	155	-
50.788.22	PTF - IPN../525/2 and 2 x 200	525	430	200	155	-
50.788.23	PTF - IPN../525/2 and 2 x 300	525	630	200	155	120
50.788.31	PTF - IPN../525/3 and 2 x 100	525	230	200	155	120
50.788.32	PTF - IPN../525/3 and 2 x 200	525	420	200	155	120
50.788.33	PTF - IPN../525/3 and 2 x 300	525	630	200	155	120

FESTOON IPN or IPE

Fixed trolley with cable support for round cables



Galvanized steel



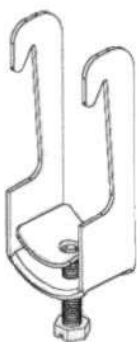
Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	R3(mm)
50.790.11	PTM - IPN../250/1 and 2 x 100	250	230	90	-	-
50.790.12	PTM - IPN../250/2 and 2 x 100	250	430	90	-	-
50.791.11	PTM - IPN../375/1 and 2 x 100	375	230	120	-	-
50.791.12	PTM - IPN../375/1 and 2 x 200	375	430	120	-	-
50.791.21	PTM - IPN../375/2 and 2 x 100	375	230	120	90	-
50.791.22	PTM - IPN../375/2 and 2 x 200	375	430	120	90	-
50.792.11	PTM - IPN../450/1 and 2 x 100	450	230	155	-	-
50.792.12	PTM - IPN../450/1 and 2 x 200	450	430	155	-	-
50.792.21	PTM - IPN../450/2 and 2 x 100	450	230	155	120	-
50.792.22	PTM - IPN../450/2 and 2 x 200	450	430	155	120	-
50.792.31	PTM - IPN../450/3 and 2 x 100	450	230	155	120	90
50.792.32	PTM - IPN../450/3 and 2 x 200	450	430	155	120	90
50.793.11	PTM - IPN../525/1 and 2 x 100	525	230	200	-	-
50.793.12	PTM - IPN../525/1 and 2 x 200	525	430	200	-	-
50.793.21	PTM - IPN../525/2 and 2 x 100	525	230	200	155	-
50.793.22	PTM - IPN../525/2 and 2 x 200	525	430	200	155	-
50.793.23	PTM - IPN../525/2 and 2 x 300	525	630	200	155	-
50.793.31	PTM - IPN../525/3 and 2 x 100	525	230	200	155	120
50.793.32	PTM - IPN../525/3 and 2 x 200	525	430	200	155	120
50.793.33	PTM - IPN../525/3 and 2 x 300	525	630	200	155	120

FESTOON IPN or IPE

Accessories for cable

Support for round cables

Type BW



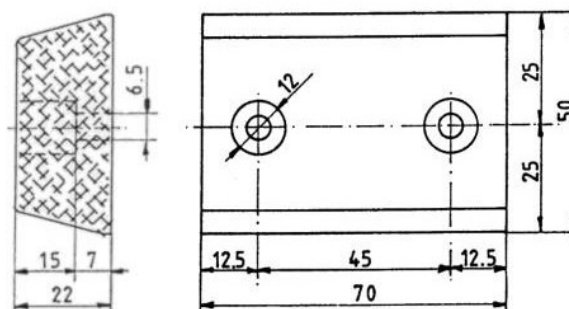
Type B



Cable clamp for round cable NIEDAX in galvanized steel with counter plate

Part n°	Type	Part n°	Type	Diameter cable	Width (mm)
50.797.12	BW 12	50.798.12	B 12	8 to 12 mm	16
50.797.16	BW 16	50.798.16	B 16	12 to 16 mm	21
50.797.18	BW 18	50.798.18	B 18	14 to 18 mm	23
50.797.22	BW 22	50.798.22	B 22	18 to 22 mm	27
50.797.26	BW 26	50.798.26	B 26	22 to 26 mm	30
50.797.30	BW 30	50.798.30	B 30	26 to 30 mm	37
50.797.34	BW 34	50.798.34	B 34	30 to 34 mm	41
50.797.38	BW 38	50.798.38	B 38	34 to 38 mm	45
50.797.42	BW 42	50.798.42	B 42	38 to 42 mm	49
50.797.46	BW 46	50.798.46	B 46	42 to 46 mm	53
50.797.50	BW 50	50.798.50	B 50	46 to 50 mm	57
50.797.54	BW 54	50.798.54	B 54	50 to 54 mm	61
50.797.58	BW 58	50.798.58	B 58	54 to 58 mm	65
50.797.64	BW 64	50.798.64	B 64	58 to 64 mm	73

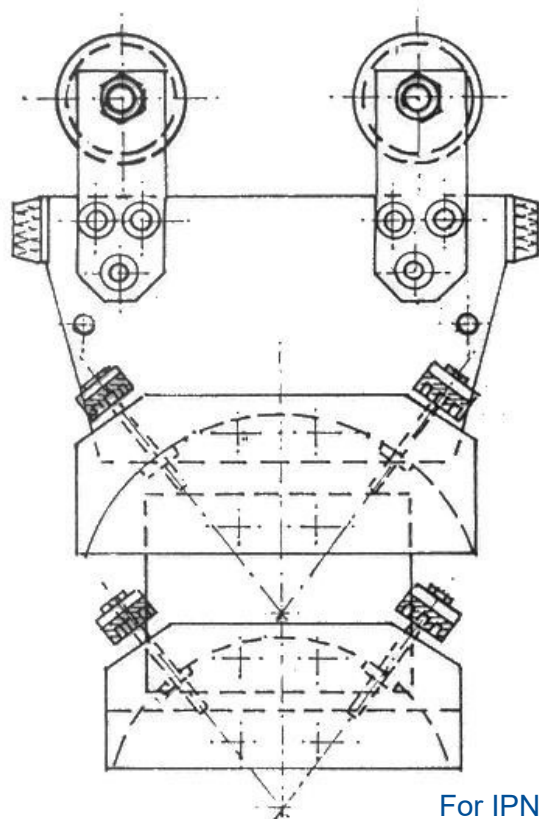
Part n° 50.770.00 – Rubber buffer



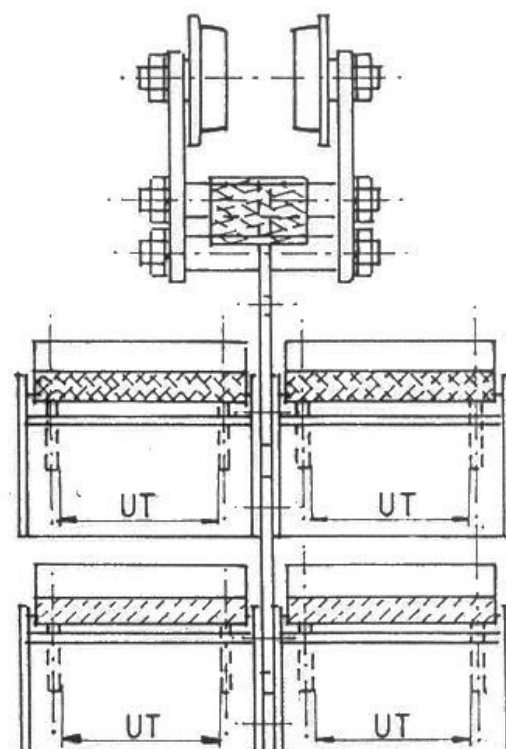
FESTOON IPN or IPE

Cable trolley with

Cable support for flat cables



For IPN min 100

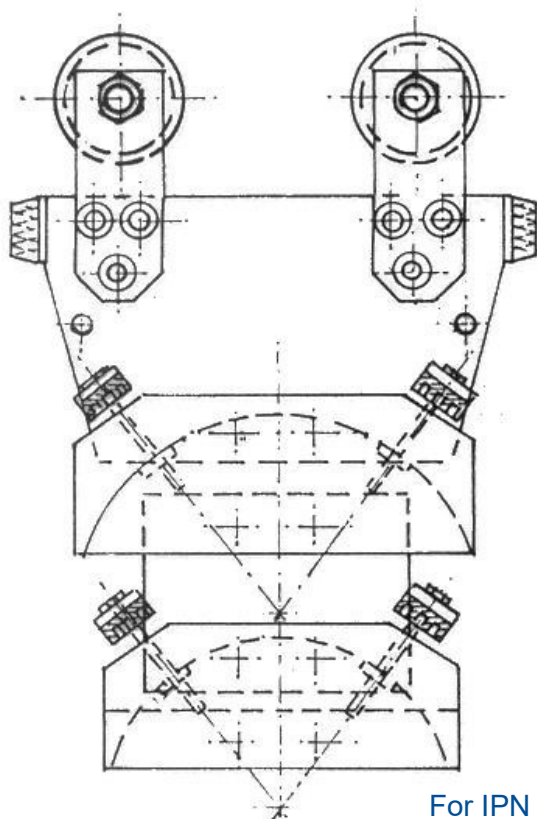


Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	UT(mm)
Cable trolley		Galvanized wheels diameter 46/60 x 18 - axle M12				
57.736.112	IPN../375/46-GA/1 and 2 x 120	375	268	120	-	90 x 45
57.736.116	IPN../375/46-GA/1 and 2 x 165	375	358	120	-	135 x 45
57.736.121	IPN../375/46-GA/1 and 2 x 210	375	448	120	-	180 x 45
57.736.125	IPN../375/46-GA/1 and 2 x 255	375	538	120	-	225 x 45
57.736.212	IPN../375/46-GA/2 and 2 x 120	375	268	120	90	90 x 45
57.736.216	IPN../375/46-GA/2 and 2 x 165	375	358	120	90	135 x 45
57.736.221	IPN../375/46-GA/2 and 2 x 210	375	448	120	90	180 x 45
57.736.225	IPN../375/46-GA/2 and 2 x 255	375	538	120	90	225 x 45
57.737.112	IPN../450/46-GA/1 and 2 x 120	450	268	155	120	90 x 45
57.737.116	IPN../450/46-GA/1 and 2 x 165	450	358	155	120	135 x 45
57.737.121	IPN../450/46-GA/1 and 2 x 210	450	448	155	120	180 x 45
57.737.125	IPN../450/46-GA/1 and 2 x 255	450	538	155	120	225 x 45
57.737.212	IPN../450/46-GA/2 and 2 x 120	450	268	155	120	90 x 45
57.737.216	IPN../450/46-GA/2 and 2 x 165	450	358	155	120	135 x 45
57.737.221	IPN../450/46-GA/2 and 2 x 210	450	448	155	120	180 x 45
57.737.225	IPN../450/46-GA/2 and 2 x 255	450	538	155	120	225 x 45

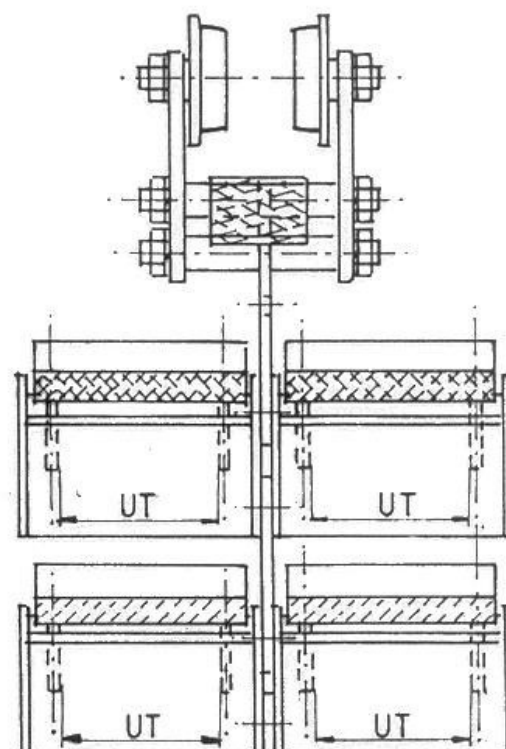
FESTOON IPN or IPE

Cable trolley with

Cable support for flat cables

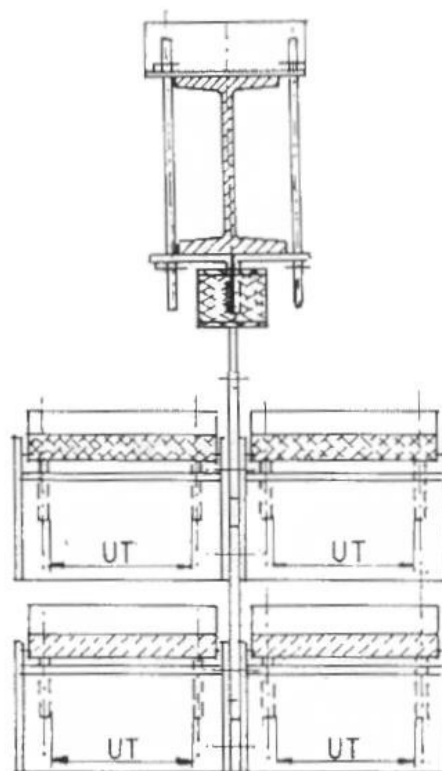
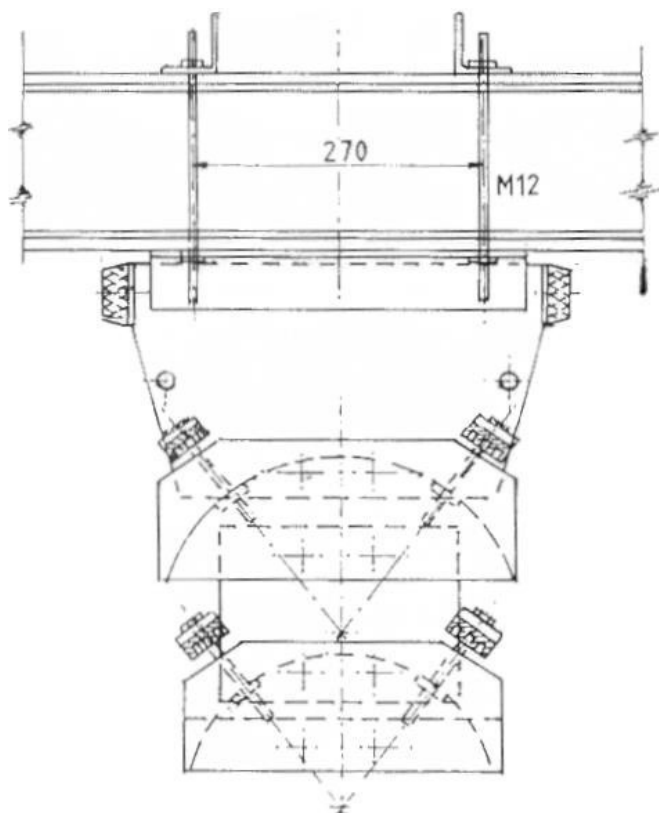


For IPN 120



Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	UT(mm)
Cable trolley	Galvanized wheels diameter 80/100 x 25 - axle M16					
57.741.112	IPN../375/80-GA/1 and 2 x 120	375	268	120	-	90 x 45
57.741.116	IPN../375/80-GA/1 and 2 x 165	375	358	120	-	135 x 45
57.741.121	IPN../375/80-GA/1 and 2 x 210	375	448	120	-	180 x 45
57.741.125	IPN../375/80-GA/1 and 2 x 255	375	538	120	-	225 x 45
57.741.212	IPN../375/80-GA/2 and 2 x 120	375	268	120	90	90 x 45
57.741.216	IPN../375/80-GA/2 and 2 x 165	375	358	120	90	135 x 45
57.741.221	IPN../375/80-GA/2 and 2 x 210	375	448	120	90	180 x 45
57.741.225	IPN../375/80-GA/2 and 2 x 255	375	538	120	90	225 x 45
57.742.112	IPN../450/80-GA/1 and 2 x 120	450	268	155	120	90 x 45
57.742.116	IPN../450/80-GA/1 and 2 x 165	450	358	155	120	135 x 45
57.742.121	IPN../450/80-GA/1 and 2 x 210	450	448	155	120	180 x 45
57.742.125	IPN../450/80-GA/1 and 2 x 255	450	538	155	120	225 x 45
57.742.212	IPN../450/80-GA/2 and 2 x 120	450	268	155	120	90 x 45
57.742.216	IPN../450/80-GA/2 and 2 x 165	450	358	155	120	135 x 45
57.742.221	IPN../450/80-GA/2 and 2 x 210	450	448	155	120	180 x 45
57.742.225	IPN../450/80-GA/2 and 2 x 255	450	538	155	120	225 x 45

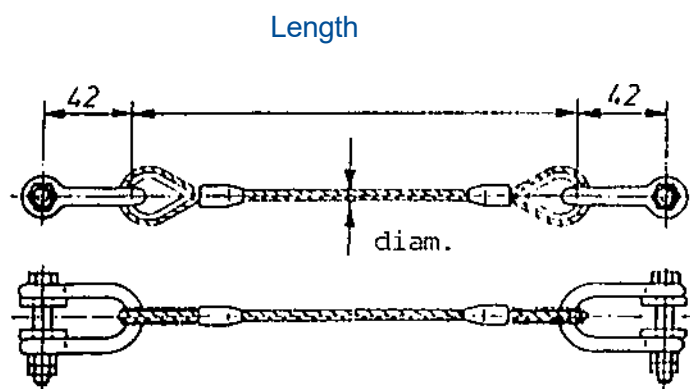
Fixed trolley with Cable support for flat cables



For IPN min 100

Part n°	Description	Length(mm)	Width(mm)	R1(mm)	R2(mm)	UT(mm)
57.786.112	IPN../375/80-GA/1 and 2 x 120	375	268	120	-	90 x 45
57.786.116	IPN../375/80-GA/1 and 2 x 165	375	358	120	-	135 x 45
57.786.121	IPN../375/80-GA/1 and 2 x 210	375	448	120	-	180 x 45
57.786.125	IPN../375/80-GA/1 and 2 x 255	375	538	120	-	225 x 45
57.786.212	IPN../375/80-GA/2 and 2 x 120	375	268	120	90	90 x 45
57.786.216	IPN../375/80-GA/2 and 2 x 165	375	358	120	90	135 x 45
57.786.221	IPN../375/80-GA/2 and 2 x 210	375	448	120	90	180 x 45
57.786.225	IPN../375/80-GA/2 and 2 x 255	375	538	120	90	225 x 45
57.787.112	IPN../450/80-GA/1 and 2 x 120	450	268	155	120	90 x 45
57.787.116	IPN../450/80-GA/1 and 2 x 165	450	358	155	120	135 x 45
57.787.121	IPN../450/80-GA/1 and 2 x 210	450	448	155	120	180 x 45
57.787.125	IPN../450/80-GA/1 and 2 x 255	450	538	155	120	225 x 45
57.787.212	IPN../450/80-GA/2 and 2 x 120	450	268	155	120	90 x 45
57.787.216	IPN../450/80-GA/2 and 2 x 165	450	358	155	120	135 x 45
57.787.221	IPN../450/80-GA/2 and 2 x 210	450	448	155	120	180 x 45
57.787.225	IPN../450/80-GA/2 and 2 x 255	450	538	155	120	225 x 45

Pull cable for trolleys

[RETURN](#)


Pull cable in braided nylon or in steel for cable trolleys with flat or round cables (ensures that the electrical cables do not experience any tensile force).

Composition of the cable:

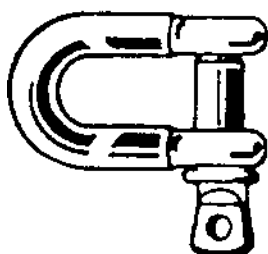
- Pull cable diameter 6,8 or 10 mm according to the use
- 2 thimble eyes, each with 1 d-shackle

Part n°	Description
60.070.00	Pull cable in steel diameter 6 mm
60.071.00	Pull cable in steel diameter 8 mm
60.072.00	Pull cable in steel diameter 10 mm
60.100.00	Pull cord in nylon diameter 6 mm
60.101.00	Pull cord in nylon diameter 8 mm
60.102.00	Pull cord in nylon diameter 10 mm

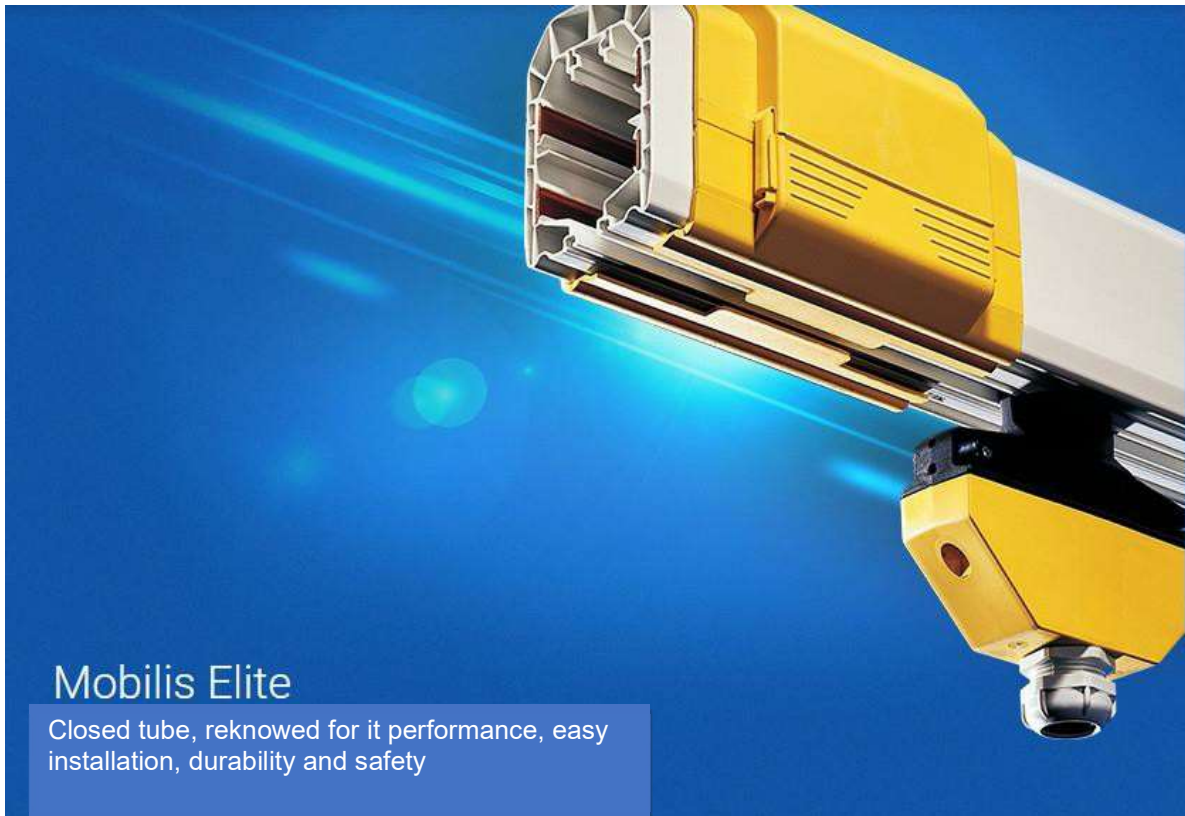
The last 2 figures of the Part number gives you the length of the cable or cord between the 2 thimble eyes (without the d- shackle) length expressed in decimeter (dm).

Examples

- **60.100.20**: Pull cord in nylon diameter 6 mm, length 20 dm or 2 m.
- **60.101.40**: Pull cord in nylon diameter 8 mm, length 40 dm or 4 m.
- **60.102.80**: Pull cord in nylon diameter 10 mm, length 80 dm or 8 m.



Part n°	Description
60.030.00	D- shackle M6 in galvanized steel
60.031.00	D- shackle M8 in galvanized steel
60.032.00	D- shackle M10 in galvanized steel



Reliability ,Safety, Simplicity, high performant. ... From start to finish



Insulated multi pole and single pole conductor rails Mobilis

Introduction :

Specialist in electrical conductors for mobile machines since the 1970s, FELS has been able to benefit from its experience, its perfect knowledge of the specific limitations associated with this type of product and perfect knowledge of the expectations of the world market through its close contacts with integrators, installers and users.

MOBILIS Elite and MOBILIS Movit not only comply with international standards and applicable rules in product design, but are also designed to last due to their robust properties and offer reinforced wear parts to reduce machine maintenance. The quality of the materials and the care taken in the production, guarantee a long life.

Their tube, which can evoke memories of fixed channels, with their power take-off trolley ensure that power is passed through even while moving.

It is thanks to the close contact with the manufacturers, installers and users of this type of equipment that FELS has been able to achieve such a high level of performance for its entire range of electrical conductor rails.

⇒ To define the type of a MOBILIS line, it is necessary to know the following data:

- Maximum intensity in continuous use or, failing that, the power and type of the receivers
- Start-up intensity of the machines powered by this line
- Maximum and minimum ambient temperature
- Maximum distance between the machine to be fed and the nearest feed point (line + cable)
- Supply voltage and voltage drop during continuous operation and at start-up
- Nature of the power grid (frequency, voltage)
- Operating cycle of the machines to be fed

⇒ Check out the custom solution for special cases below:

- Installation with more than 5 conductors: choose Mobilis Movit or place two Elite channels in parallel
- Installations with bends or the convergence of different circuits: choose Mobilis Elite
- Installations with a speed greater than 180m/min: choose Mobilis Movit
- For all other applications, refer to the intensity calculation to determine the correct product.

⇒ All these elements will guide your choice, when calculating the current, to the Elite 20A-200A series or the Movit 315A-630A series, where the first element of choice is the current rating of the Mobilis conductors. This must be greater than the current required by the installation, the second being the induced voltage drop.

Multi-pole conductors MOBILIS Elite

Conductor with 4 or 5 busbars Mobilis ELITE :

Quick installation:

Tube equipped with 4 or 5 busbars and many accessories that can be installed without tools.

Minimum voltage drop at the connections:

The very large contact surface and the optimal tension between the contact surfaces allow us to control and minimize the voltage drop there.

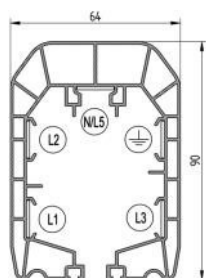
Excellent safety and personal protection:

The closed tube and its accessories guarantee an IP23.

These protect all persons against all risk of contact with live parts, even in the rain.

Reliability:

The current collector trolleys, which have been subjected to an endurance test, that goes further than the standards prescribe, ensure long-term maintenance-free operational reliability.



Maximum Operating voltage: 750V

- Protection IP23 according to standard EN60529
- Complies with the following standards EN60439-2, EN60204-32, EN61439-6

[illegible]

Insulated multi pole and single pole conductor rails Mobilis

Single pole conductors MOBILIS Movit

High speed:

Up to 600m/min.

Large currents:

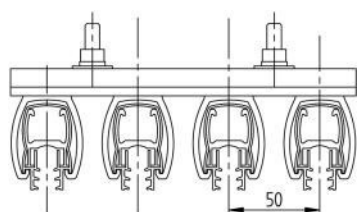
Up to 630A.

Strong mechanical construction:

Stiff profile in H form and robust accessories, ideal where high operational reliability; safety and a high-performance system are required.

Optimal contact::

Control of the collector contact that allows an inclination.



Number of conductors: 1 to infinity

Capacities: 315A, 450A, 630A

Maximum operating voltage: 750V

- Safety IP23 according to standard EN60529
- Complies with the following standards EN60439-2, EN60204-32, EN61439-6

Capacity	315 A		450A		630A	
Maximum duty cycle for rated load at 35°C to 40° C	100%/ 100%		100%/ 100%		75%/ 60%	
Maximum load for 80% duty cycle at 35°C. up to 40° C	440A/ 405A		540 A/ 496A		628A/ 588A	
Section L1/L2/L3/N/PE	Alu 180mm ²		Alu 245mm ²		Alu 330mm ²	
Type	phase	ground	phase	ground	phase	ground
Length 4m	MC 1314	MC 1324	MC 1414	MC 1424	MC 1614	MC 1624
Length. 2m	MC 1313	MC 1323	MC 1413	MC 1423	MC 1613	MC 1623
Length 1m	MC 1312	MC 1321	MC 1411	MC 1421	MC 1611	MC 1621
Special lengths	MC 1310	MC 1320	MC 1410	MC 1420	MC 1610	MC 1620
Weight (Kg/m)	0,87	0,87	1,03	1,03	1,26	1,26
Colour	Grey	Grey	Grey	Grey	Grey	Grey
Colour side	/	Yellow/green	/	Yellow/green	/	Yellow/green



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite



Parts of Mobilis Elite

Here you will find all standard parts of the Mobilis Elite system.

For special applications we can develop a special part for you.

All these parts are easy to assemble and consist of IP23 protected parts.



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

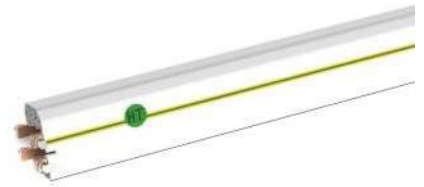
Standard straight tube:

Assured easy and fast installation



Standard high temperature straight tube:

Usable up to +75°C



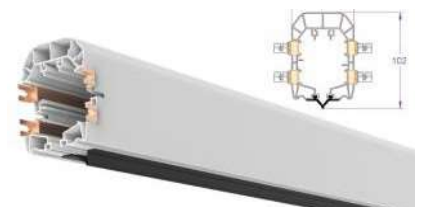
Straight tube without marking for ground:

Allows to use all conductors as power conductor



Straight tube with dust flaps:

Protection against the dust



Insulated multi pole and single pole conductor rails Mobilis

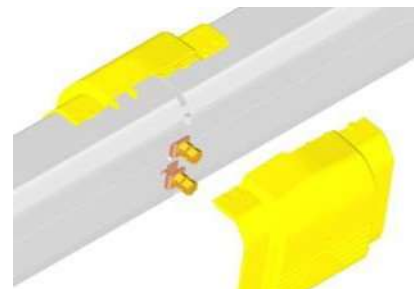
Multi-pole conductors MOBILIS Elite

Connecting piece:

Anti-forget connection system.

Connection system with pre-assembled self-breaking screws

This will guarantee the ideal torque when tightening the connections.



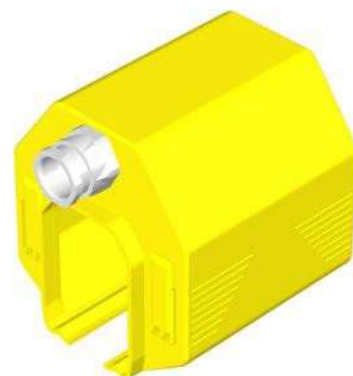
Closing cap:

Click mounting without the use of tools.



Power connection along the tube line:

Power supply in the middle of the tube line reduces the voltage drop



Power supply at the end of the line:

Horizontal cable connection, cable gland M25, M32, M40

On request: cable connection from below



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

Sliding suspension:

Dust protection

Supports the socket and allows expansion.



Anchor point:

Fitted with red markings for easy visual identification



Standard suspension from the bottom:

2 Versions: with mounting plates or quick mounting

different lengths available



End of way Buffer:

Mechanical limit buffer

Easy to displace.

Easy to mount on a Mobilis Elite line.

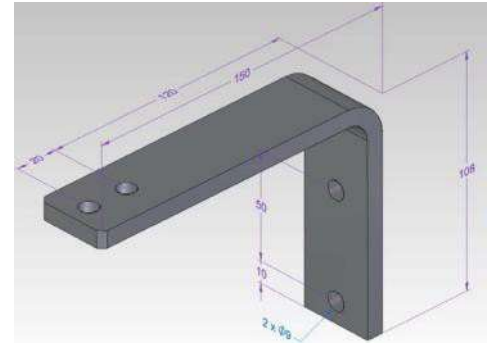


Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

Mounting support for concrete:

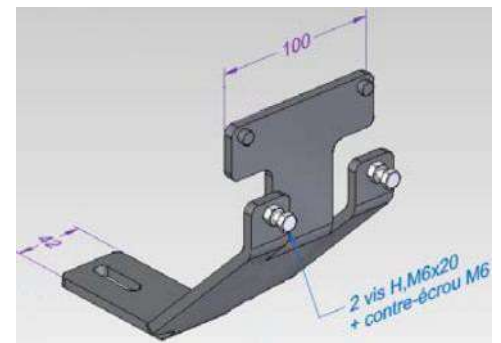
For fastening to a concrete construction
Can be mounted in 2 positions.



Mounting bracket for a non-rectangular beam:

Available in 2 versions

Adjustable to different angles



Straight tube with pre-assembled power supply:

Pre-wired with flexible cable

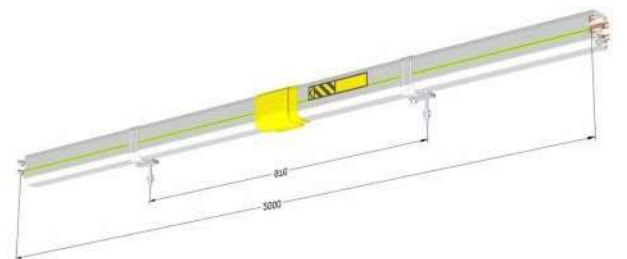
Supplied with 2 m cable.



Input port for the pantograph:

Easy removal of the pantograph from the tube

Suspension provided





Multi-pole conductors MOBILIS Elite

Ventilation part

Reduces condensation

Supplied assembled.



Expansion element:

2 m long; mounted like a 2 m element.

Not necessary below 140 m.

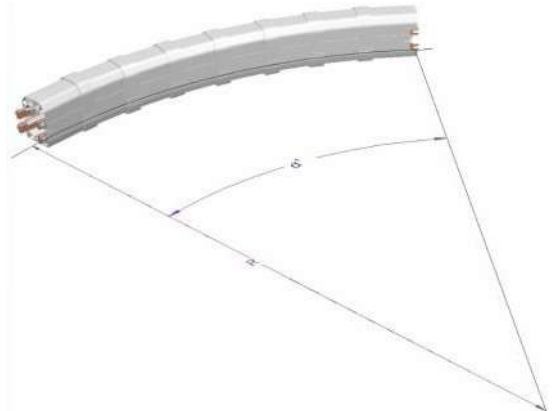
See further for the heavy-duty versions.



Horizontal bend:

Perfectly adapted to the requested trajectory (customizable)

Allows all bends from a radius of 800 mm.



Power interruption in the line:

Ensures the electrical isolation between 2 parts of the same power line.

To be mounted like a standard straight tube

The location of the power cut is visually indicated on the tube from the outside.



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

Standard pantograph:

The standard pantograph only provides the mechanical connection between the current collectors of the pantograph and the busbars in the Mobilis line and thus provide the power supply to the mobile machine.

The triple pantograph is not suitable for traveling at high speed.

Can handle irregularities in the trajectory.

Connection profile between machine & pantograph square metal tube between 20 and 50mm



Heavy-duty pantograph:

The pantograph guides the power from the conductor line to the mobile machine.

Terminal block accessible without removing the pantograph from the conductor line.

Available with or without cable outlet



Flexible pantograph for curved lines:

The flexible pantograph is used to transfer the current in curved lines up to a speed of 70 m/min.

This pantograph cannot support a physical load



Simplified pantograph:

The pantograph sends the power to the mobile machine.

Simplified version for light applications up to maximum 40A & 4 conductors



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

High Speed pantograph:

Pantograph for applications where the speed exceeds 100 m/min or when the temperature is $< -20^{\circ}\text{C}$
Applicable up to speeds of 180m/min
Special power take-off blocks adapted to the high speed.



Cleaning trolley:

The cleaning trolley cleans the busbars.
Restores good contact between pantograph and conductor.
Removes the impurities from the busbar.



Towing trolley with branch box:

Mechanical connection between the pantograph and the mobile machine.
Terminal box between the pantograph and the mobile machine
Connection profile between machine & towing trolley:
square tube 20mm – 50 mm



Transition piece:

Allows the pantograph to pass between interrupted sections.
For insertion in switch systems (Y) or as a transition between 2 unconnected rails
Allows insertion of the pantograph without intervention on the line



Pantograph support for long breaks:

Keeps the pantograph on its level where there are major interruptions.
Supports the pantograph outside the tube.
Separate model for single, double or triple pantograph



Insulated multi pole and single pole conductor rails Mobilis

Multi-pole conductors MOBILIS Elite

Power take-off blocks for single pantograph (4 pieces):

Power take-off blocks (coals) for single pantograph 4 poles type ME3043 and derivatives

Bag of 4 blocks



Power take-off blocks for simplified pantograph:

Power take-off blocks for simplified carriage type ME2034



Spare brushes for cleaning trolley (5 pieces):

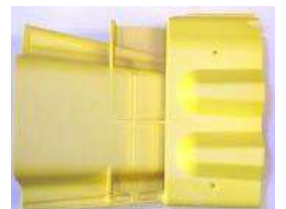
Brushes for cleaning trolley 5 poles type ME4525 and derivatives

Bag of 5 brushes



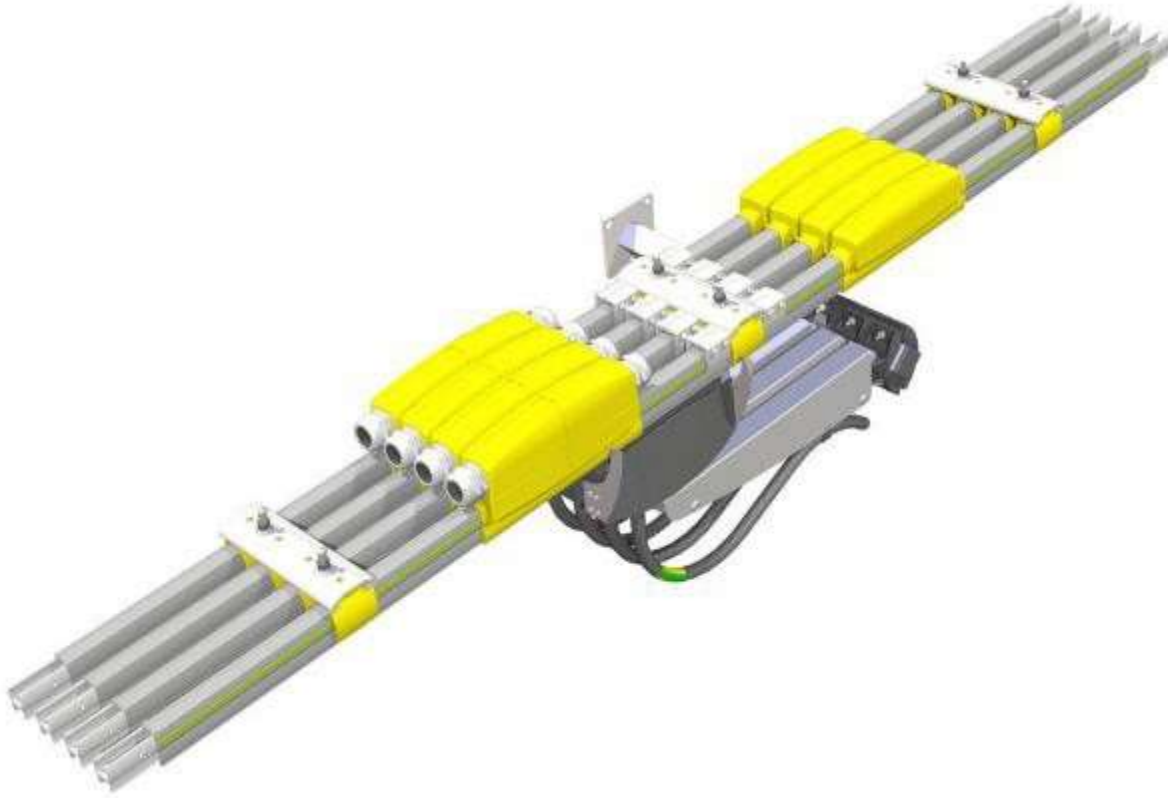
Short transition cone:

Replacement part for short transition conel



Insulated multi pole and single pole conductor rails Mobilis

Single pole conductors MOBILIS Movit



Parts Mobilis Movit

The Mobilis Movit conductor meets the most demanding expectations of manufacturers; installers and users of high-power mobile machines: **better safety, easy assembly, operational reliability and simplified maintenance** for this multi-phase conductor rail for overhead cranes and other machines that require a mobile high capacity power supply.



Insulated multi pole and single pole conductor rails Mobilis

Single pole conductors MOBILIS Movit

Rail:

Insulated straight conductor rail: 1 phase.

Aluminium rail

Wear surface in stainless steel



Connection between the rails:

Provides the electrical and mechanical connection between the 1-phase conductors.



Connection cover:

Insulation accessory for the electrical connection

Click mounting without tools.

Protection IP23 of the connection



Power box:

Part for making the electrical connection with a phase and the conductor at the height of a connection on the conductor.

2 Cable entries via cable glands M32.

Closed by lids that click into place without tools.

Connection via 1 or 2 flexible cables type H07RNF(see p 109)



Insulated multi pole and single pole conductor rails Mobilis

Single pole conductors MOBILIS Movit

Closing cap:

Ensures the electrical insulation at the end of the line.

Click mount without tools.

Protection IP23 on the end of the line



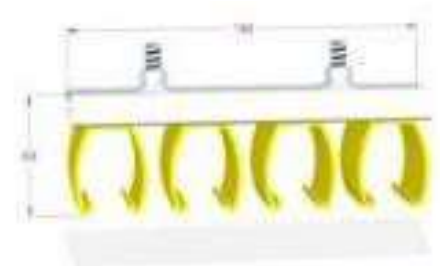
Sliding suspension:

Supports the conductor rail.

Provides a separation between the conductor rails.

Automatic alignment

50mm distance between the heart of the rails



Pantograph support:

Ensures the connection between the mobile machine and the pantographs.

Flexible mounting through the use of slotted holes

Same fixing method for all models



Pantograph:

Ensures the electrical connection between the conductor and the mobile machine.

High speed

Optimal contact



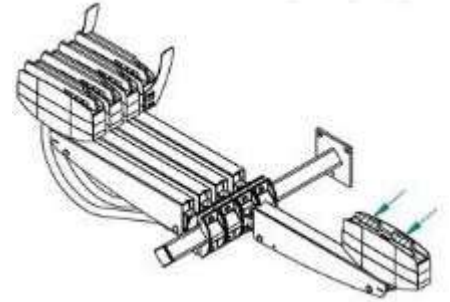
Single pole conductors MOBILIS Movit

Conductor cleaner:

Removes the dust and fixed solid particles from the contact surface.

Periodic cleaning of the contact surface

Supplied with 1 cleaner and 1 grinder.



Antifreeze:

Heating cable and control box for heating the conductors

Prevents frost on the contact surface

Insert into the rail after installation of the line



Anchor point:

Avoids the movement of the rail due to expansion.

Easy to displace.

Easy to see from a distance.



Replacement power take off blocks for pantograph:

Replacement power take off blocks: 60A and 200 A for pantographs.

Not expensive

Easy to replace.



Cable reels with spring:

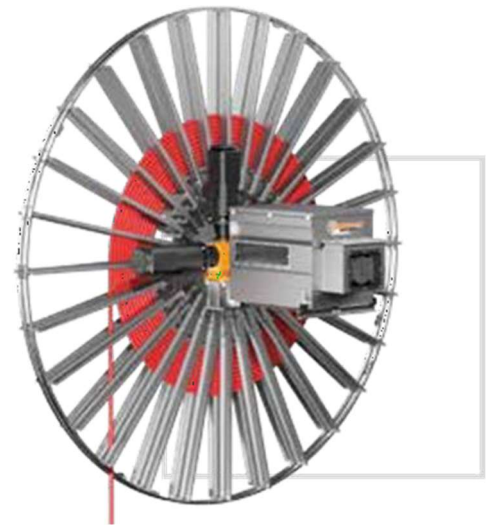
The cable reels with spring are used for automatic winding of electrical cables or hoses of various mobile machines. These mobile machines include pulling machines and manipulation machines: e.g. overhead cranes, grabs, magnets, lifting & working platforms, special machines, excavators, mobile cranes, trolleys or cleaning machines



Motorized Cable Reels:

For guiding low and high voltage cables, data cables or hoses.

The motorized cable reels adapt to all conditions of use.



👉 For more information and advice please ask our commercial service: sales@agema.be

Installation options

Figure 1:

Reel on the machine
Cable is rolled up horizontally

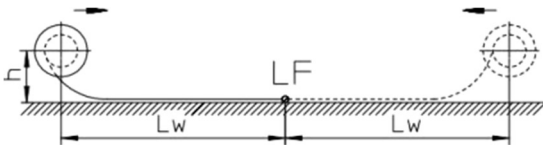


Figure 2:

Reel on the machine
Laid down cable on the floor

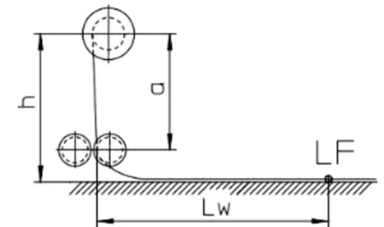


Figure 3:

Reel on the machine
Cable is rolled up horizontally, cable supported

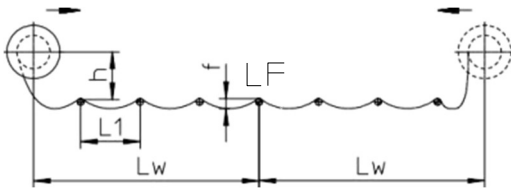


Figure 4:

Reel on the machine
Laid down cable supported

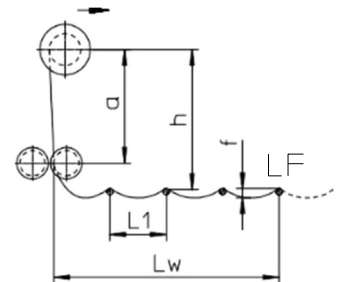


Figure 5:

Reel on fixed position
Cable is rolled up horizontally, cable supported
Distance between cable supports: 1 to 3m

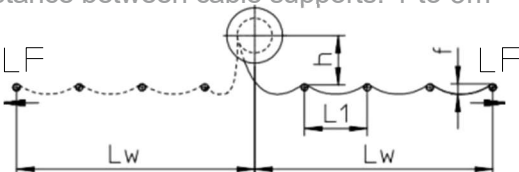


Figure 7:

Reel on fixed position
Cable is rolled up horizontally, cable not supported

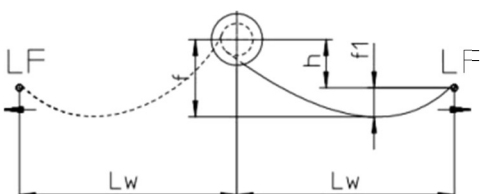
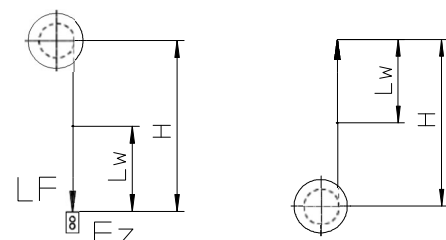


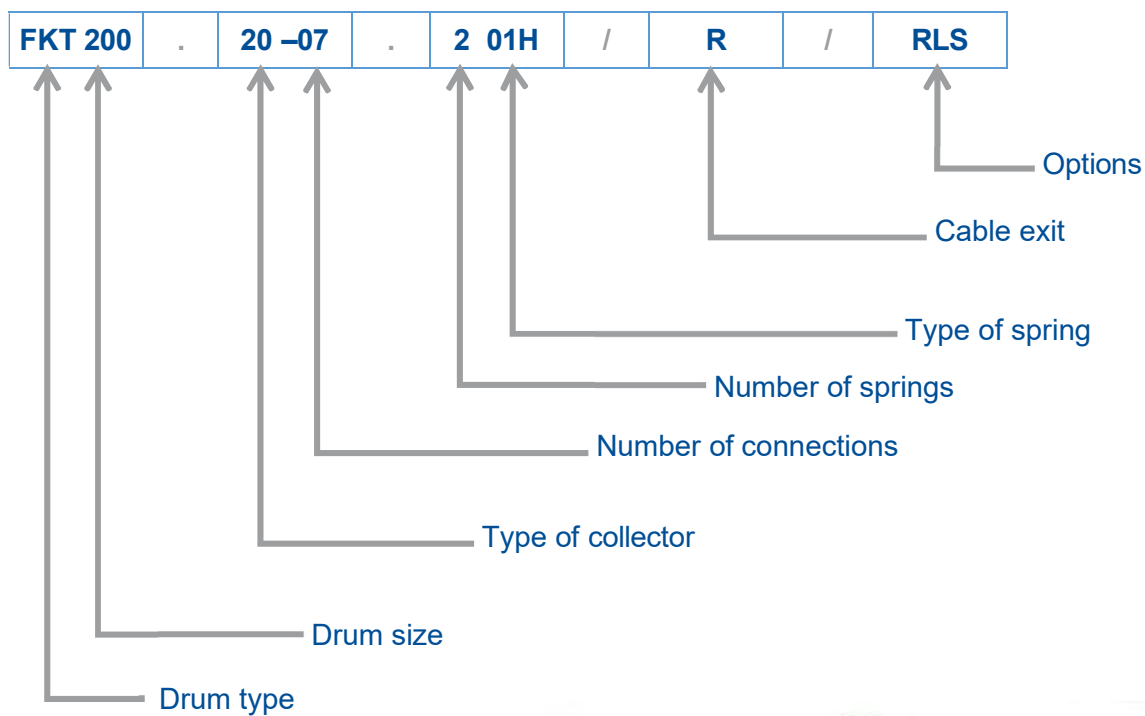
Figure 8 & 9:

Vertical mounting: roll down or up



Type FKT

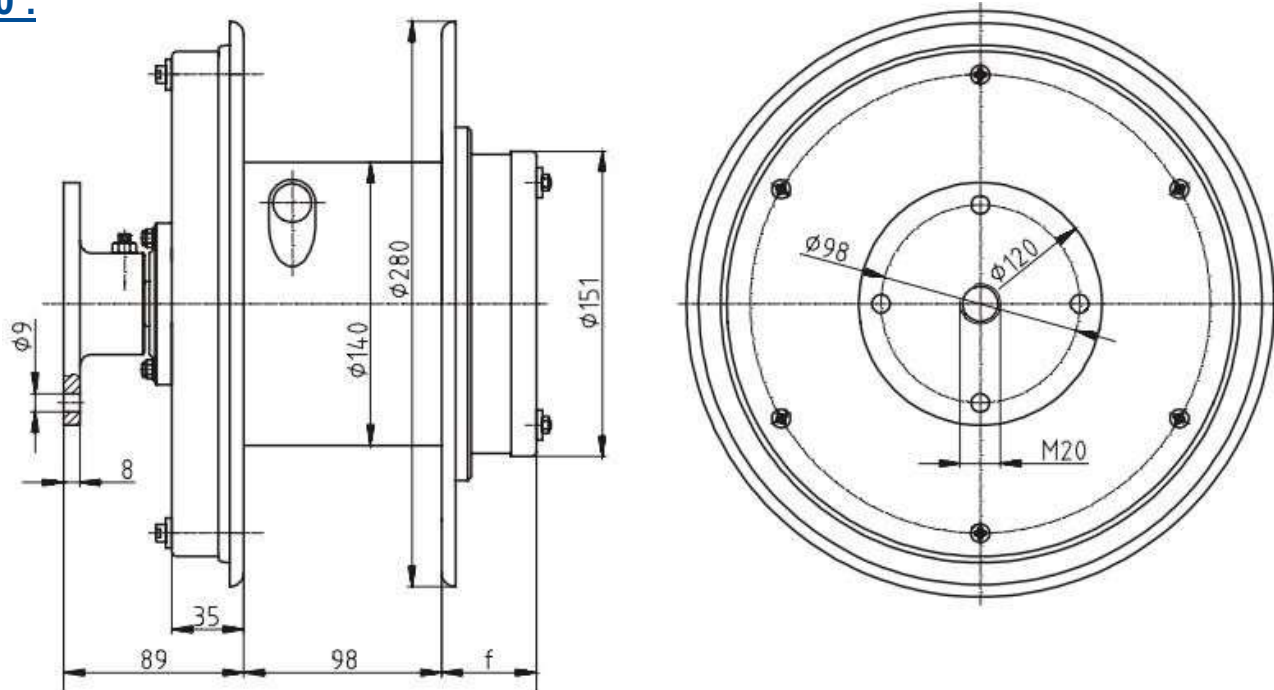
Encryption:



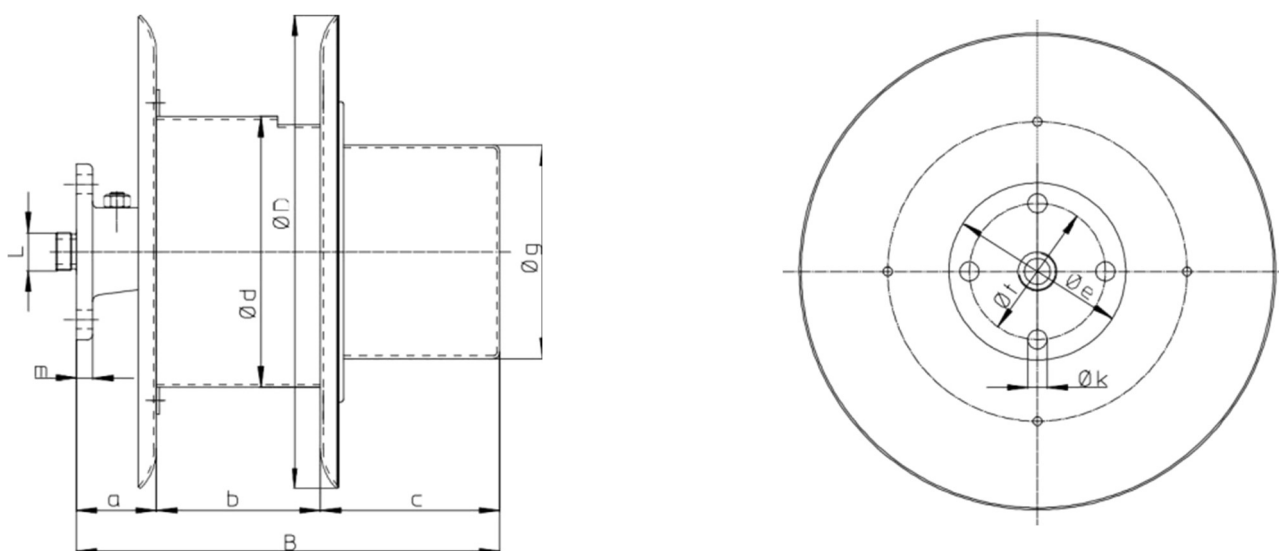
Type FKT

All measurements on the drawings are in mm

FKT 140 :



FKT 200—500 :

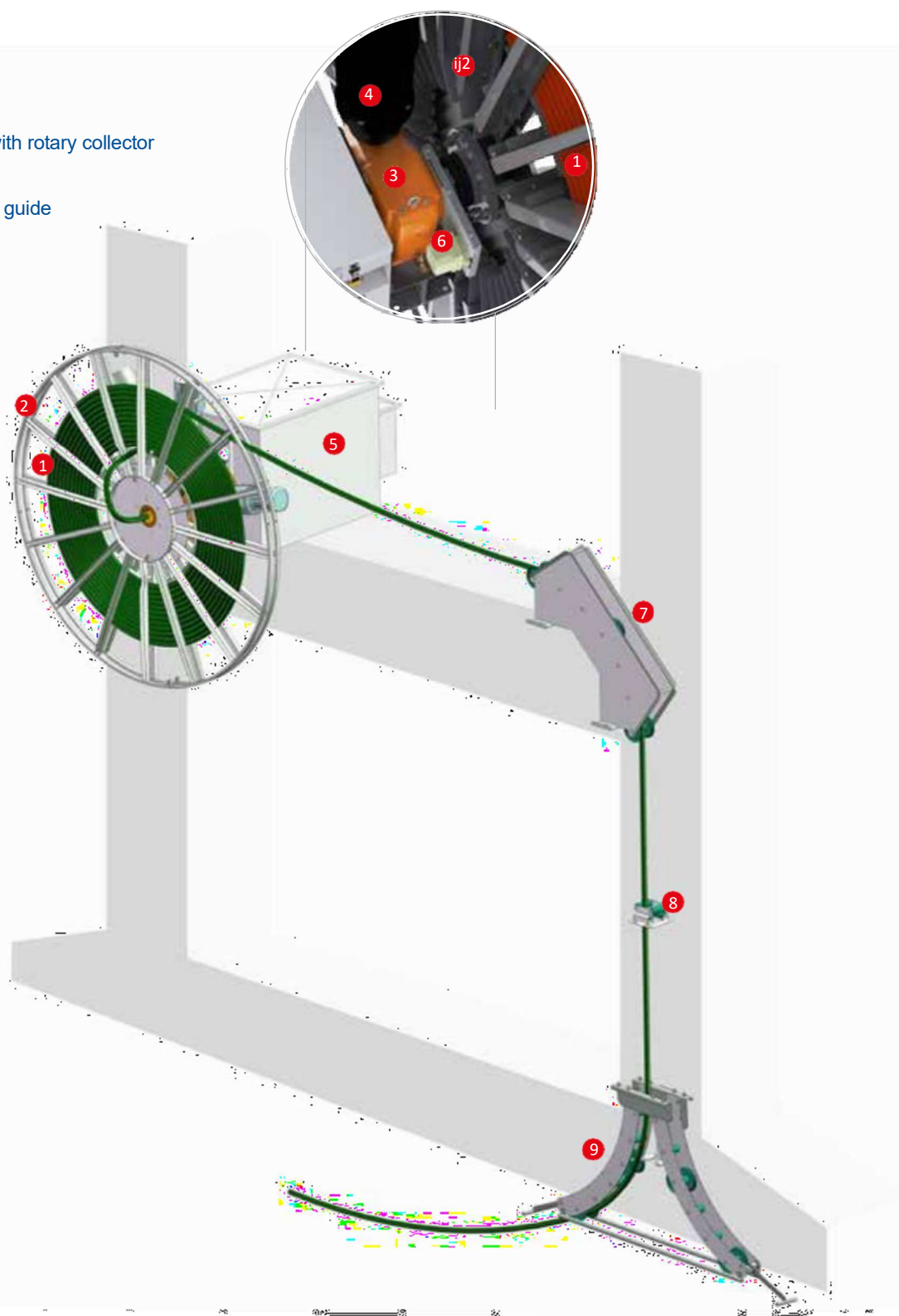


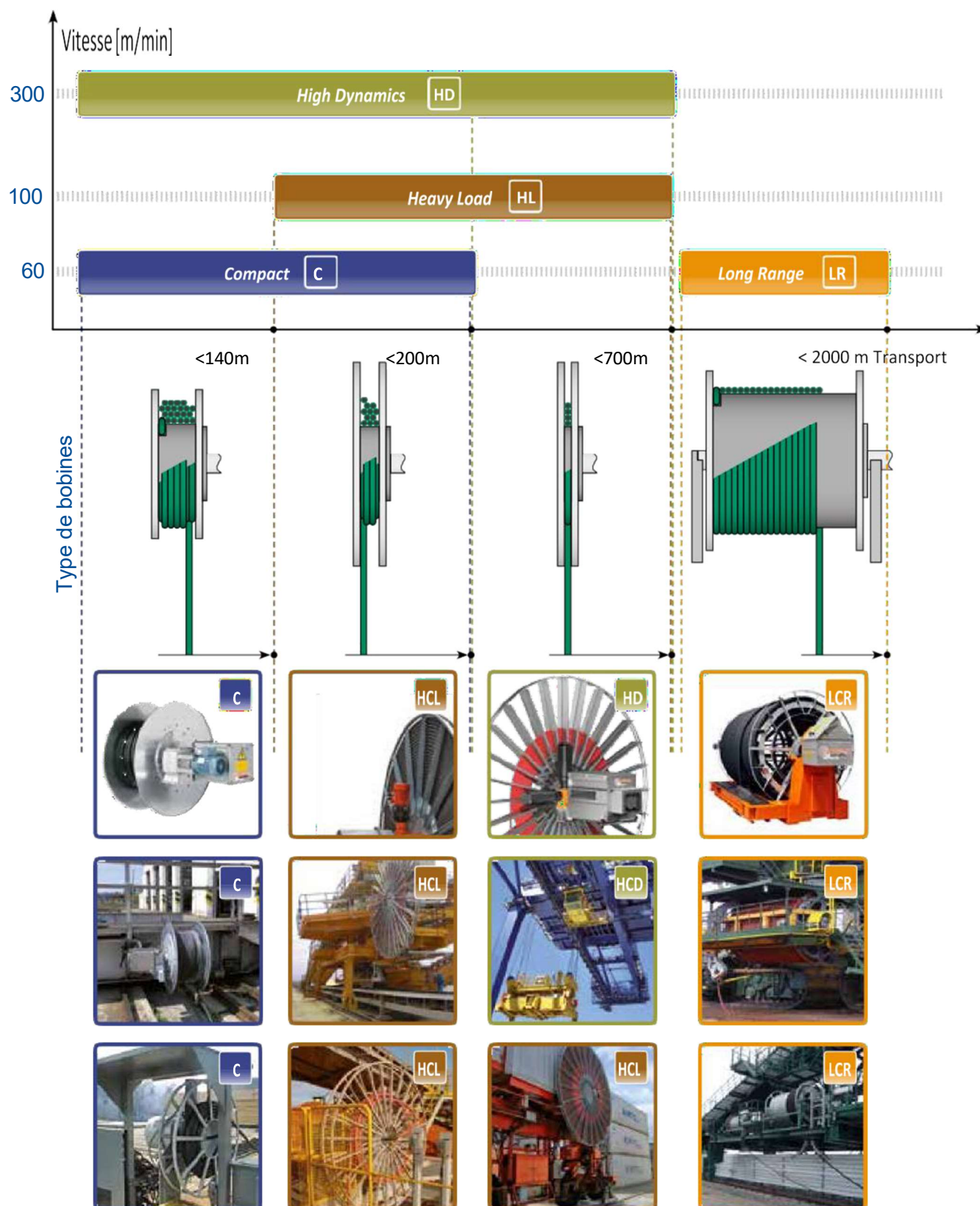
Type	a	b	d	D	e	L	g	k	m	t
FKT 140	54	98	140	280	120	20	151	9	8	98
FKT 200	60	125	200	350	130	36	160	14	12	100
FKT 270	60	175	270	450	130	46	225	14	15	100
FKT 400	70	200	400	700	180	46	344	17	18	140
FKT 501	80	240	500	800	220	60	344	17	20	180
FKT 502	80	310	500	800	220	60	344	17	20	180

Motor driven reels

Description of parts

- ① Cable or hose
- ② Spool
- ③ Coupling
- ④ Driving unit
- ⑤ Terminal box with rotary collector
- ⑥ Limit switch
- ⑦ Cable direction guide
- ⑧ Roller guide
- ⑨ Cable guide





Series

C

Compact

Standard applications

- ◇ Gantry cranes
- ◇ Water purifying installations
- ◇ Overhead cranes
- ◇ Grabs and magnets
- ◇ Support systems for theatre



Optimal anti-corrosion protection, even in aggressive environments.
The drums and their sides are made of hot-dip galvanized steel.
Reliability in operation with a standardized rotating current transmitter.
Magnetic torque transmission with long life and maintenance-free.

Characteristics:

Speed

Up to 100m/min

Cable length

200 m/ max

Outside diameter of the drum

Drum with windings side by side: 400 mm—1,700 mm
Drum with 1 winding or drum 3-2-3: 1.100 mm—3.600 mm

Gearbox

Type W: 100 Nm—400 Nm: compact
Type BNA: 300 Nm—700 Nm: conical

Reel rotating pantograph

Max output: 690V—200A per conductor
Reel motor power: 690 V—25 A
Data transfer: Ethernet 100 Mbit/s—1 Gbit/s

Temperature range

-30 °C — +60 °C

Series **HL** *Heavy Load*

Standard applications

- ◇ Harbor crane (STS)
- ◇ Gantry crane on rails (RMG)
- ◇ Gantry crane to unload ships.
- ◇ Stackers
- ◇ Paddle wheel machine
- ◇ Cranes for shipbuilding



Modular construction system

The cable reel can be adapted after installation by adding additional motor drives.

Drive with magnetic coupling (MAG Drive) or drive via frequency control (SMART Drive)

5 years or 15,000 hours maintenance-free

The gears are factory lubricated.

Optimal corrosion protection for working in aggressive environments.

The drums and their sides are made in hot-dip galvanized steel or stainless steel

Characteristics

Speed

MAGDrive : Up to 100m/min
SMARTDrive : Up to 180 m/min with active control unit
Up to 50 m/min with core control unit

Cable length

700 m/max

Outside diameter of the drum

Drum with 1 winding or drum 3-2-3: 1.100 mm – 8.000 mm

Gearbox

BNA: 1.100 Nm—16.000 Nm (Conical gearbox)

KHD: 3.400 Nm—6.500 Nm (high dynamics)

KHD: 2.400 Nm—10.000 Nm (high dynamics)

Reel rotating pantograph

Low voltage max: 690V—1.600A

High voltage max: 24.000V—500A

Control: 500 V—25 A

Data: Ethernet 100 Mbit/s—1 Gbit/s fiber optic cable

Temperature range

-40 °C — +60 °C

Series **HD** *High Dynamics*

Standard applications

- ◇ Harbor crane (STS)
- ◇ Gantry crane on rails (RMG)
- ◇ Electric gantry crane on tires (E - RMG)
- ◇ Gantry crane to unload ships.
- ◇ Cranes for shipbuilding
- ◇ Automatic RTG-cranes



The advanced speed and torque control is ideal for machines with a very dynamic operation.

Highly efficient components and low inertia.

Careful handling of the cables improves their service life and, more generally, the reliability of the entire system.

Optimal corrosion protection to be able to work in aggressive environments.

The drums and their sides are made in hot-dip galvanized steel or stainless steel.

Characteristics

Speed

MAGDrive : Up to 100m/min
SMARTDrive : Up to 180 m/min with active control unit
Up to 50 m/min with core control unit

Cable length

700 m/max

Outside diameter of the drum

Drum with 1 winding or drum 3-2-3: 1.100 mm – 8.000 mm

Gearbox

Type BNA: 1.100 Nm—16.000 Nm (conical gearbox)

Type: KHD: 3.400 Nm—6.500 Nm (high dynamics)

Type: KHD: 2.400 Nm—10.000 Nm (high dynamics)

Reel rotating pantograph

Low voltage max: 690V—1.600A

High voltage max: 24.000V—500A

Control: 500 V—25 A

Data: Ethernet 100 Mbits/s—1 Gbits/s fiber optic cable

Temperature range

-40 °C — +60 °C

SERIES **HD** *Long Range*

Standard applications

- ◇ Stackers
- ◇ Bucket chain machine
- ◇ Excavators
- ◇ Paddle wheel machines
- ◇ Reels for spreaders
- ◇ Mobile carts
- ◇ Scrapers
- ◇ Mobile conveyors
- ◇ Stacked frames



Extra long runway.

Single layer or multi-layer drum.

Skeleton type drum

Ensures optimal cooling of the cables and reduction of inertia.

The modular structure platform allows different layouts and perfect adaptation to the structure of the machine.

Robust construction

For demanding environments.



Characteristics

Speed

Up to 60m/min

Cable length

2000 m/max

Outside diameter of the drum

Up to 3,3 m

Gearbox

Type: BNA: 1.100 Nm—18.000 Nm (Conical gearbox)

SMART Drive: 1000 Nm—8.500 Nm

Reel rotating pantograph

Low voltage max: 690V—1.600A

High voltage max: 36.000V—500A

Control: 500 V—25 A

Data: Ethernet 100 Mbit/s—1 Gbit/s fiber optic cable

Temperature range

-40 °C — +60 °C

AGEMA offers a wide range of workshop cable reels and reels for preset loads. Is it for electrical supply, hydraulic hoses or for water, air or data: we have a solution!

Series 804-805

Hose reel

AIR/WATER



Series 8400

hose reel

AIR/ WATER

OIL/ DIESEL/ AdBlue



Series AM-86

Hose reel

AIR/ WATER



Series 7000

Cable reel

230V > 400V

1G > 5G



Series 9006

Cable reel

For Grounding

1G > 3G



Series 5000 XL

Cable reel

230V > 400V

1G > 8G



Series 4000 TWIN REEL

Hose reel

AIR & Electrical cable



Series 5000—AM9

Reel + hand- held lamp AM9



Series DATA

Cable reel

Transmission of data



Cable pullers and cable pulling equipment

The support cable grips are manipulation tools that we should certainly not neglect.

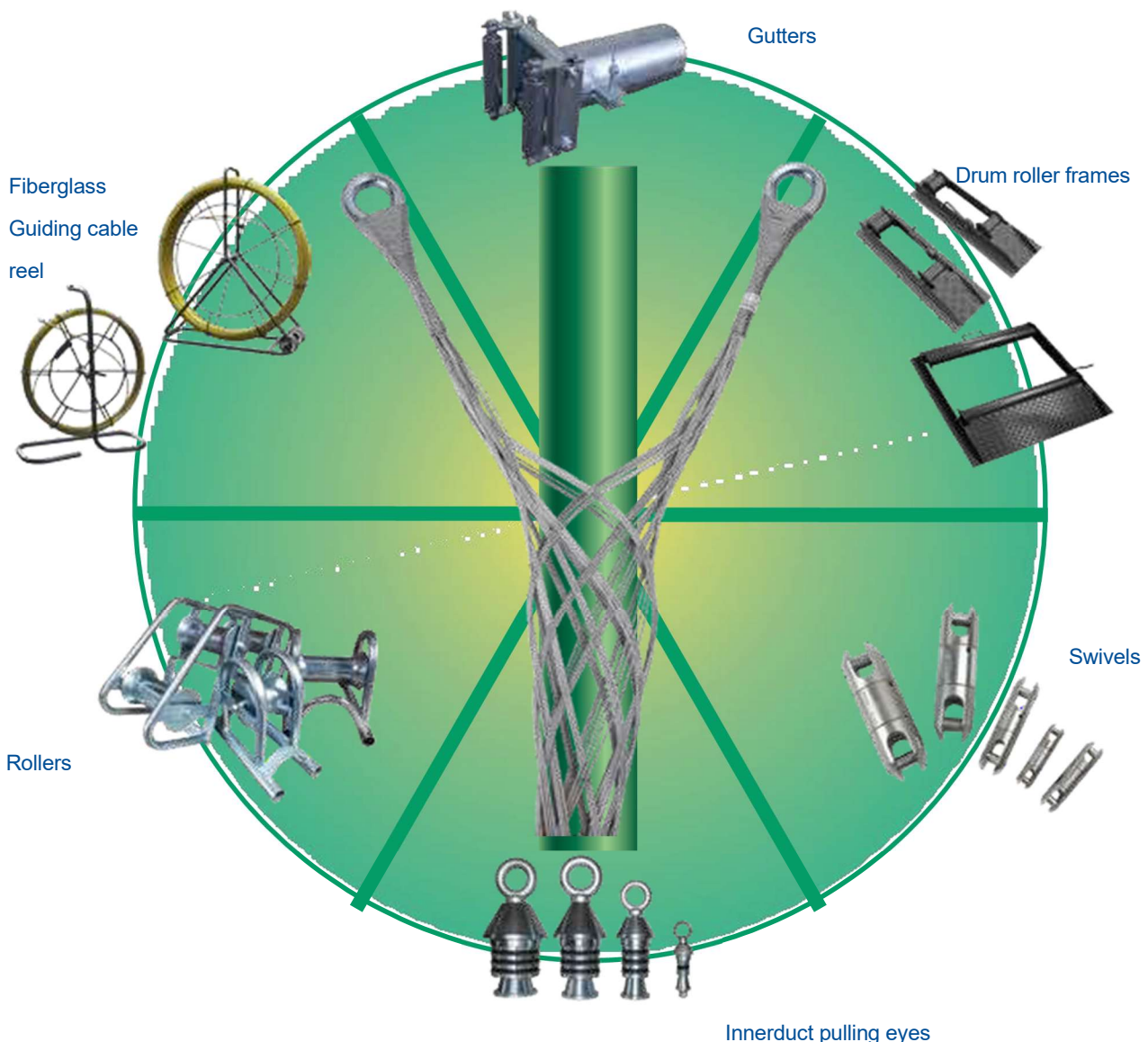
The cable pullers are made according to strict procedures and manufactured from high-quality raw materials of the best quality.

The cables comply in all respects with the applicable standards and our internal specifications, which are constantly evolving. Changing specifications regarding wiring distances, mechanical construction, lubrication, ensure that we are constantly optimizing our products.

The developed technologies allow the use of our support cable grips in the best conditions in terms of safety and performance.

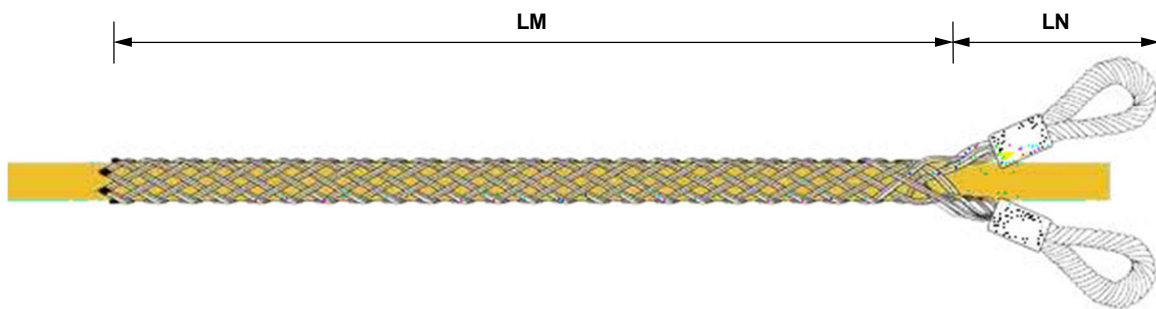
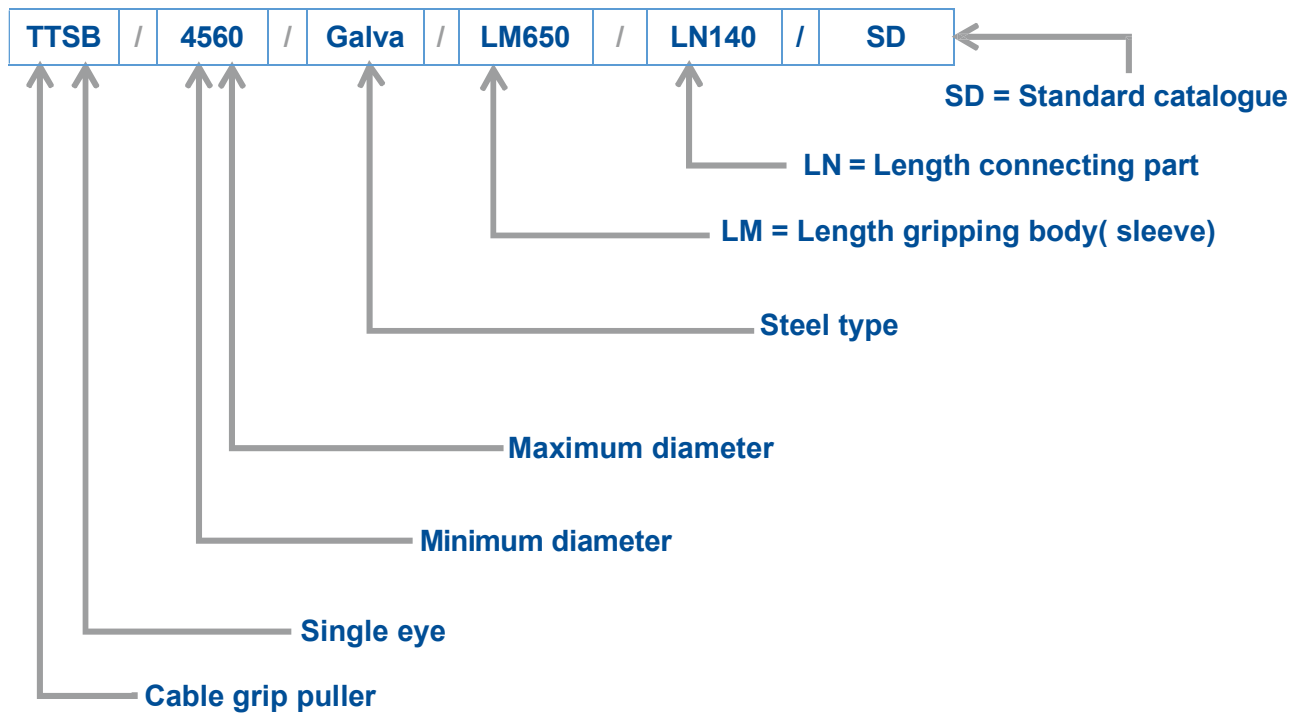
Our cable pullers are reusable regardless of the manufacturing material or model (except the antenna cable puller).

Our certificates of conformity provide you with essential information about our technical commitments. This is to ensure that you have a sleeving that meets the professional requirements for handling and lifting applications. For the latter, we have a range intended for changing crane / overhead crane hoisting cables that meet the requirements of the Machinery Directive 2006/42/EC (minimum breaking strength, diameter range, batch of manufacture, etc.).



Cable pullers

Encryption:



*The breaking force has been calculated on the minimum diameter used.
This force diminishes according to the increase in diameter of the used cable.*



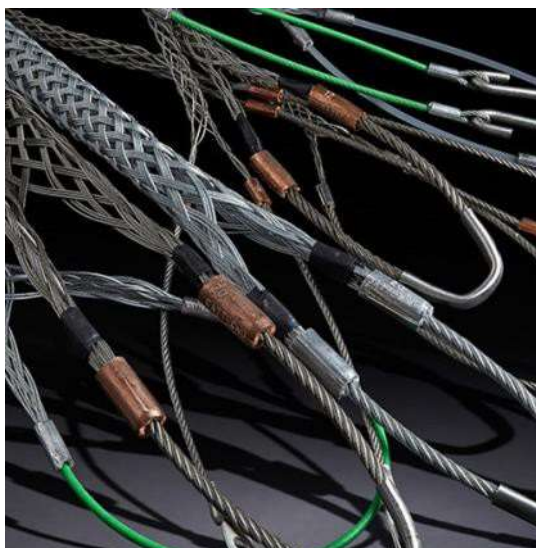
OUR CABLE PULLERS PULLERS ARE NOT LIFTING TOOLS.
AGEMA disclaims all liability for incorrect and unauthorized use.

Cable grip pullers



- ◇ Standard models
- ◇ Reinforced models
- ◇ Super reinforced models
- ◇ Special models

Cable grip support



- ◇ Standard models
- ◇ Reinforced models
- ◇ Super reinforced models



Air



Offshore



Cranes



Hoses



Reinforced



Underground

Cable pullers intended for repeated use.

The different models offered in this range provide a technically efficient solution to the different needs of the market.

For all additional information and other models (more than 1500 Parts): please contact us

Cable grip puller single eye woven

TTSB



Cable grip puller single eye pressed in sleeve

TTSBM



Cable grip puller single eye woven

TTDB



Cable grip puller single eye pressed in sleeve

TTDBM



Air cable puller (high tension) single eye with sleeve

TASBM



Cable grip puller reinforced 2 eyes woven

TRDB



Cable grip puller single eye shifted axis

TTSBOM



Cable grip puller single eye with sleeve

TTSBOMLA



Cable puller double eye with the possibility to place
Anywhere on the cable

TTLAM



Cable grip support — Model in C

TPMC



Cable grip support — Model in U

TPMU



Cable grip support— Model in S

TPMS



Cable grip support — Model in C with the possibility to place anywhere on the cable

HPMU



Cable grip support— Model in W with the possibility to place anywhere on the cable

HPMW





Innerduct pulling eyes

The innerduct pulling eye is designed for polyethylene pipes. It works similarly to a plug that expands to fit masonry. They are easily placed in the pipe and the grooves grip to the inside of the pipe by tightening the anchor.

Part n°	Description	Ø (mm)	PE (mm)	Diameter eye (mm)	Breaking force (daN)
255 310 050	Standard head 25	19,3 - 24,5	25		
255 310 110	Standard head 32	24,50 - 29	32	10	2.900
TETAAAA	Standard head 36	30 - 33,5	36	10	2.900
255 310 100	Standard head 40	31	40	10	2.900
255 310 150	Standard head 50	39,5 - 47,5	50	10	2.900
255 310 160	Standard head 55	43 - 50	55	10	2.900
255 310 200	Standard head 63	50 - 59	63	12	4.800
255 310 206	Standard head 75	58,5 - 70	75	20	4.800
255 310 300	Standard head 90	88 - 101	90	20	12.000
255 310 400	Standard head 110	99 - 110	110	20	12.000
255 310 500	Standard head 125	99 - 110	125	20	12.000
255 310 599	Standard head 140	112 - 128	140	20	12.000
255 310 600	Standard head 160	127 - 148	160	20	12.000
255 310 650	Standard head 180	142 - 162	180	20	24.000
255 310 700	Standard head 200	158 - 180	200	22	24.000
TETAAAB	Standard head 219	205 - 217	219	22	24.000
255 310 750	Standard head 225	178 - 200	225	22	30.000
255 310 800	Standard head 250	197 - 220	250	24	30.000



Draw swivel hooks.

Draw swivel hooks are designed to connect two rotating elements. They are mostly used for pulling twisted electric cables, bare conductor cables and steel and textile hoisting cables.

Draw swivel hooks with high breaking strength or articulated joint on request.

Part n°	Description	Diameter (mm)	Length (mm)	Hook cable pass (mm)	Breaking strength (daN)	Weight (Kg)
EMRAAAA	EMRC80	80	310	32	78 000	8,3
255 030 904	EMRC60	60	230	26	39 500	3,10
255 030 705	EMRC50	50	180	22	24 500	2,30
255 030 701	EMRC45	45	165	20	19 000	1,50
255 030 650	EMRC40	40	120	15	12 000	0,90
255 030 200	EMRC38	38	122	16	9 000	0,69
255 030 100	EMRC34	34	122	16	6 000	0,52
255 030 600	EMRC22	22	88	10	4 600	0,23
255 030 500	EMRC16	16	70	8	1 700	0,10
255 030 400	EMRC14	14	61	6	1 650	0,075



Horizontal unwinder 50Kg

- Handy for horizontal unwinding of cable drums.
- Very light = Easy for transport.
- For use with coils with a central hole between 14mm and 40mm



Max Capacity	Diameter	Height	Weight
50Kg	310mm	65mm	1,25Kg

One-piece unwinder with support rolls: 150 Kg to 3.000Kg

- Handy for unrolling round cable drums
- Can be moved without machines.
- Adjustable rollers for different drums diameters



Max Capacity	Min Diameter	Max Diameter	Useful Width	Weight
150Kg	300mm	1.050mm	530mm	7,5Kg
300Kg	300mm	1.050mm	530mm	10Kg
800Kg	600mm	1.050mm	560mm	23Kg
1.200Kg	600mm	1.250mm	760mm	28Kg
1.500Kg	600mm	1.650mm	790mm	55Kg
2.500Kg	600mm	1.650mm	1.200mm	60Kg
2.600Kg	1.050mm	2.200mm	1.200mm	67Kg
3.000Kg	1.650mm	4.200mm	12.000mm	80Kg

Support roller (Different models available)

For pulling and supporting insulated cables and PE pipes in trenches. The support roller protects the outside of the cable or pipe and reduces the pulling force on the winch and on the head of the cable, hose or pipe.

Stable frame made of chrome-plated steel tubes.

The support roller is mounted on sealed bearings.



Guiding cable in plastic frame - Ø 3 mm



Guiding cable - on reel - Ø 6 mm

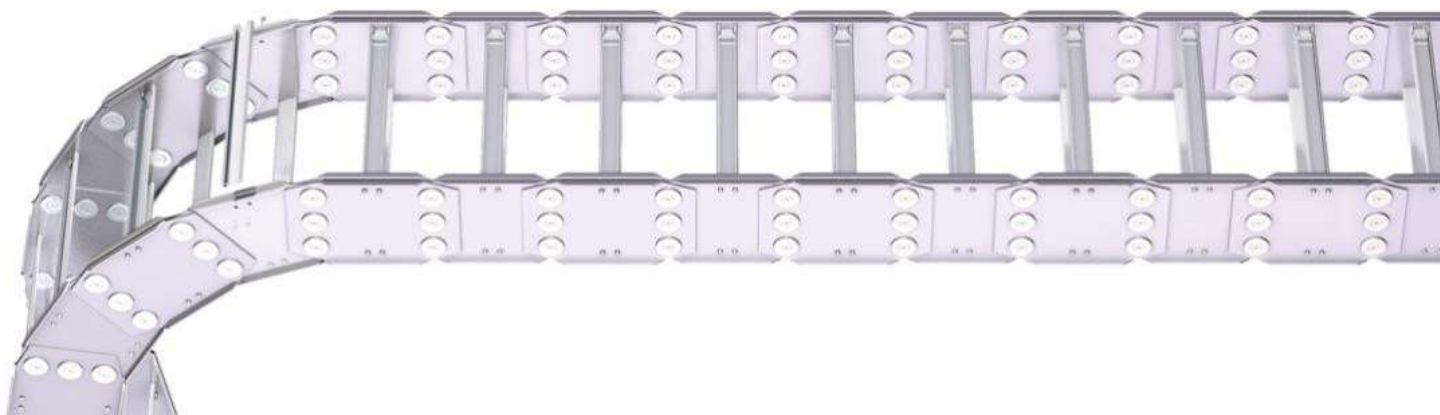
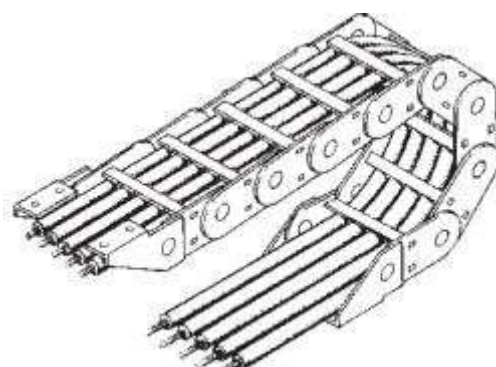
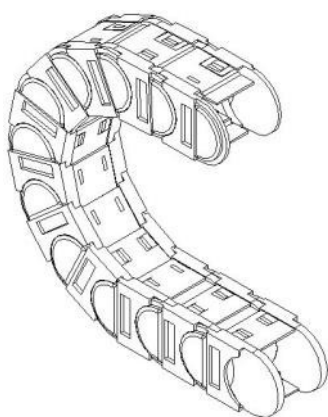
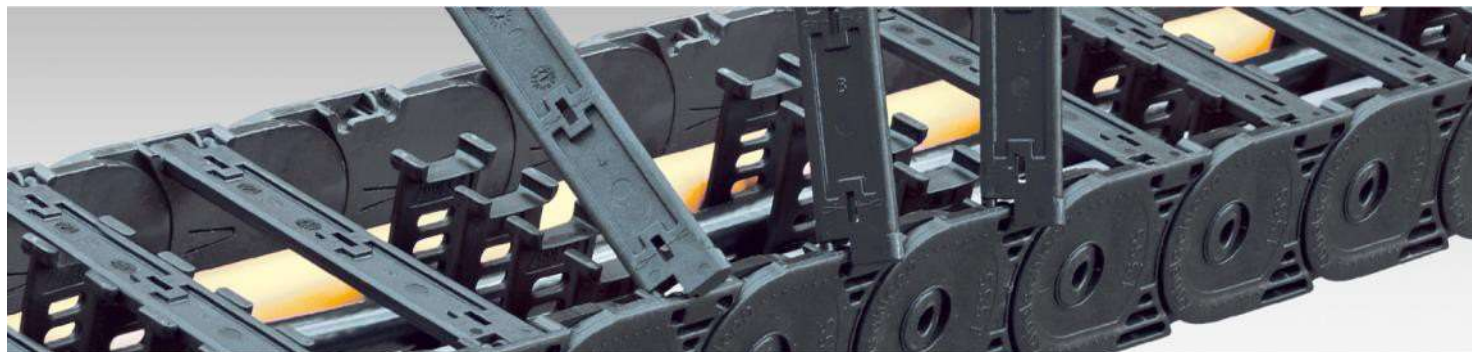


Guiding cable – on reel - Ø 9 mm



Guiding cable – on reel - Ø 11 mm

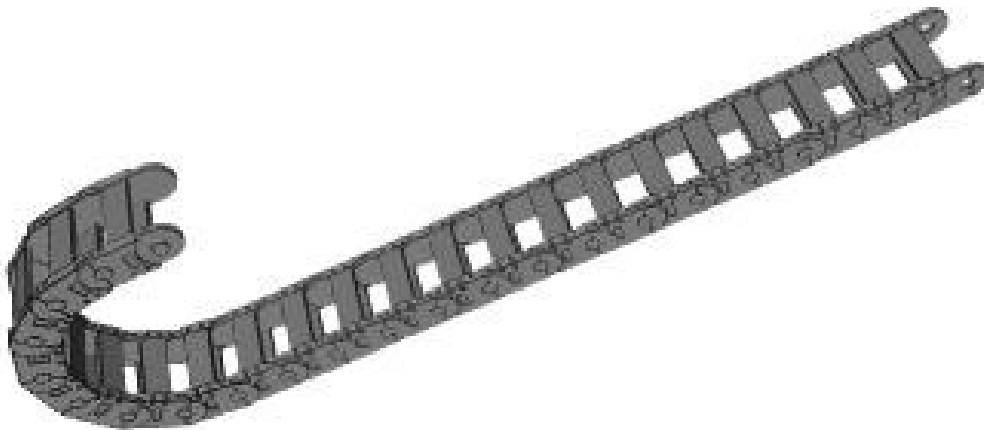




Generalities:

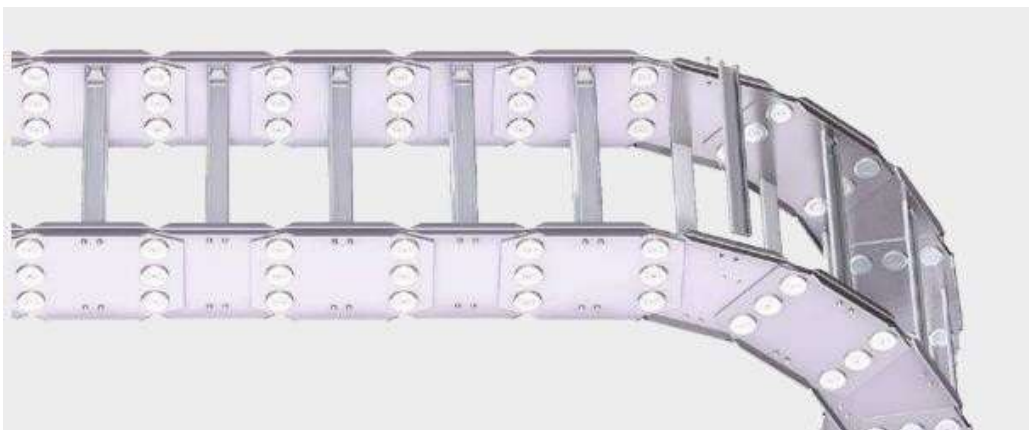
Plastic energy chains

The plastic energy chains and casings can be placed wherever a low-weight energy chain is required and where the environment requires the use of plastic.



Metal Energy chains

Special applications require special cable support. Our energy chains in steel and stainless steel are ideal for high temperature environments and other difficult environments such as in mines, melting plants or the production of petroleum products. Standardized separation options provide the best possible protection for cables and hoses, even under high mechanical stress.

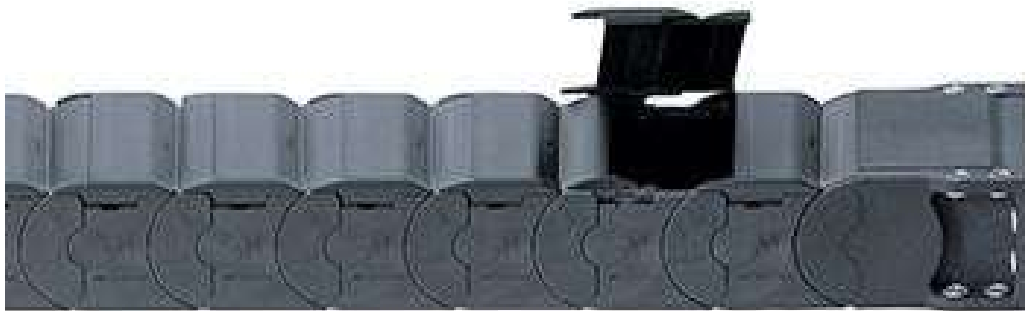


A COMPLETE RANGE OF ENERGY CHAINS TO GUIDE AND PROTECT CABLES AND HOSES

- Low weight for plastic energy chains.
- Compromise weight/strength for the energy chains in aluminium and plastic.
- Self-supporting for metal energy -chains.
- Aggressive environments for the stainless-steel energy chains.



👉 For further information, please contact our commercial department: sales@agema.be

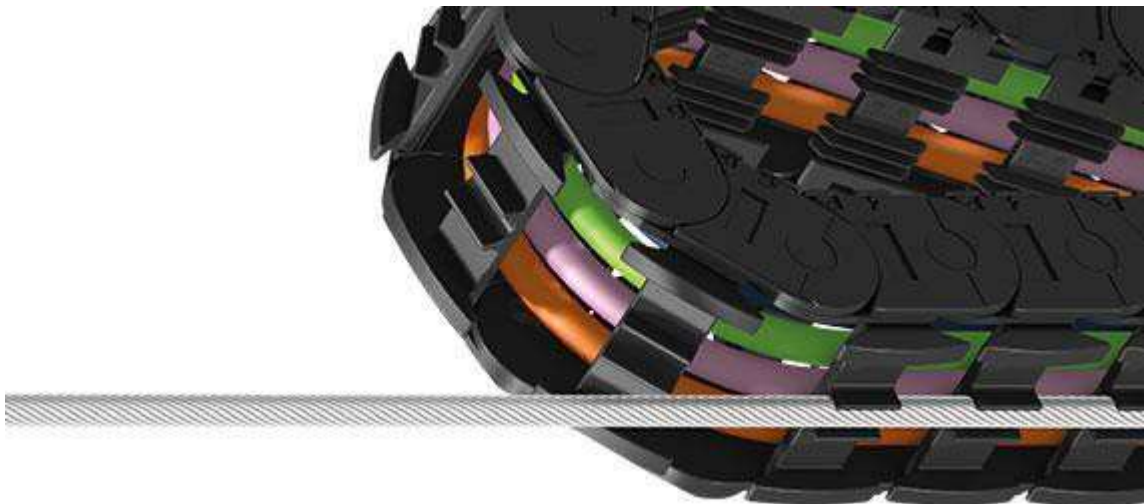


NEW:

→ System « autoglide 5 »

⇒ Energy and data transfer on a metal cable: installed in 1 hour

- Easy to install in a corridor on a cable or profile.
- Not expensive
- 88% less installation time compared to aluminium cable trays.
- Long lifespan: without maintenance and easy to clean.
- Energy, data, air and fluids in 1 single system
- Maximum range 80m
- Quiet operation 63 dB (A) with an operating speed of 2 m/s
- The floor of the hall remains free; no cable routing required.
- The passage of machines remains possible.



How does this work ?

The metal cable, which is included in the delivery, is suspended above the ground. As an alternative, a guide via a plastic cord or via a profile is also possible.

The chain can move safely over the cable. The bottom of the links have a guide element in the middle so that the track can rest on the cable in complete safety.

The autoglide energy chains ensure precise operation and are resistant to the wear caused by the top of the energy chain.

NEW

→ System « E-spool »

- ⇒ Alternative to cable reels. Guidance of different types (air, energy,..) with good cable guidance at the same time

Guiding a large number of different cables/hoses in a limited space

E-spool® is a unique combination of 2 energy conduction systems in its genre: a standard e-chain® is guided by a reel and ensures that the power supply is in the right place and under the correct mechanical tension thanks to an integrated return spring.

In the starting position, the energy chain is fully rolled up and does not take up any extra space.

The twisterband system connects the reel to the shaft support flange that provides the connection to the fixed cables.

- No pulling force on the cables
- Different products and cross-sections possible in 1 reel
- Conveying the energy in all possible directions: horizontal, vertical, diagonal... Everything with 1 single energy chain
- Fixed location: no energy chain garage required
- Due to the self-supporting capacity of the energy chain, the passage underneath remains free.
- For cable diameters up to 17 mm



 For further information, please contact our commercial department: sales@agema.be

NEW

→ System « E-loop »

⇒ Energy chain system E-loop

The E-loop is designed to guide cables in a secure way in suspension applications.

This as an alternative for loop applications (umbilical cords)

This system is ideal for 3-D applications.

E-loop combines the advantages of a polymer energy chain with those that can withstand high tensile forces.

The tensile forces are absorbed by the internal cable in the energy chain and transfer it to the suspension points and the structure from which it hangs. As a result, the cables do not experience any pulling force.

The modular design in high-performance polymers allows to maintain a constant bend at all times and resists vibrations and shocks.



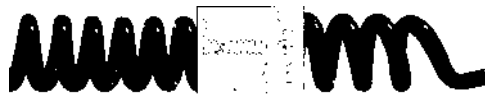
How does this work? : Composition of 2 links of the E-loop

The links hang round and are attached to the high strength pull cable. The cable used for this is made of a fiber reinforced polymer and allows a tensile force of 5 tons.

The half core links are attached and secured via screws to the core cable of the E-loop.

Then the 2 half rings are clicked onto the core and clicked together

The protective elastic PU part is then attached to it and screwed tight.



ROUND AND FLAT ELECTRICAL CABLES

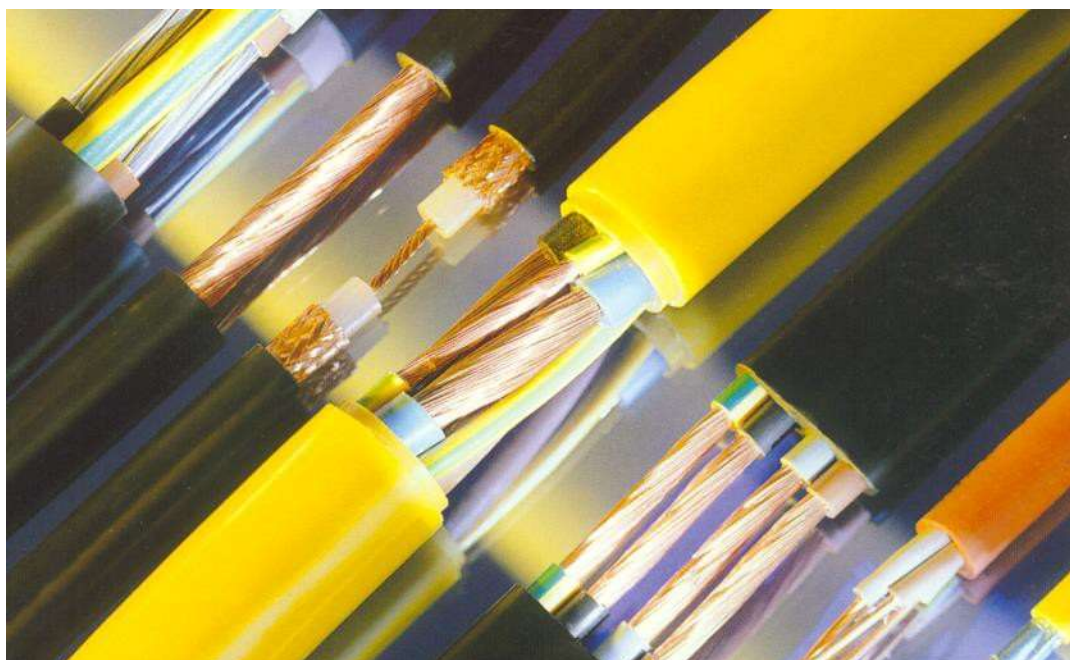
COMMON USED FLAT CABLES IN STOCK

CABLES FOR PEDANT CONTOL STATIONS IN STOCK

ROUND AND SPECIAL CABLES ON ORDER



Permissible load



Permissible load for a temperature of 80 ° C				
Intersection	Straight cable	Coiled cable		
mm ²	A	1 layer A	2 layers A	3 layers A
1,5	24	18	14	11
2,5	32	24	19	15
4	43	33	25	20
6	56	43	32	26
10	78	59	45	37
16	104	79	60	49
25	138	105	80	65
35	171	130	99	80
50	213	162	124	100

Ambient temperature C°	Coefficient	Ambient temperature C°	Coefficient
25	1,05	55	0,71
30	1,00	60	0,63
35	0,95	65	0,55
40	0,89	70	0,45
45	0,84	75	0,32
50	0,77		

Conductor composition

Nominal sections	Largest diameter of the individual wires	Resistance of the cable at 20°C Maximum values per individual wire (Ohm)	
mm²	mm	Without shielding /km	With metal sheath/km
Copper core with fine wires for cables with 1 or more conductors (class 5) Conforming to standard VDE 0295			

0,75	0,21	26,0	26,7
1	0,21	19,5	20,0
1,5	0,26	13,3	13,7
2,5	0,26	7,98	8,21
4	0,31	4,95	5,09
6	0,31	3,30	3,39
10	0,41	1,91	1,95
16	0,41	1,21	1,24
25	0,41	0,780	0,795
35	0,41	0,554	0,565
50	0,41	0,386	0,393
70	0,51	0,272	0,277
95	0,51	0,206	0,210
120	0,51	0,161	0,164
150	0,51	0,129	0,132

Copper core with very fine wires for cables with 1 or more conductors (class 6) Conforming to standard VDE 0295			
0,75	0,16	26,0	26,7
1	0,16	19,5	20,0
1,5	0,16	13,3	13,7
2,5	0,16	7,98	8,21
4	0,16	4,95	5,09
6	0,21	3,30	3,39
10	0,21	1,91	1,95
16	0,21	1,21	1,24
25	0,21	0,780	0,795
35	0,21	0,554	0,565
50	0,31	0,386	0,393
70	0,31	0,272	0,277
95	0,31	0,206	0,210
120	0,31	0,161	0,164
150	0,31	0,129	0,132

Flexible, round and rollable

Type NSHTÖU-J

Composition

- Conductor in copper wires, uncoated class 5
- Wire insulation in coloured rubber – wires numbered from 6 conductors
- Exterior covering in black neoprene, temperature range from -20 to + 60° C.
- Maximum unwinding speed 120 m/min
- Maximum tensile load = 15 N/mm² x the section of the copper
- Permitted voltage 600/1000V



Part n°	# conductors/ section in mm ²	Min Radius curves (mm)	Weight kg/m	Diameter mm	Current A	Copper weight kg/km
40.001.00	4 G 1,5	110	0,295	14,6	22	58
40.002.00	5 G 1,5	117	0,340	15,6	22	72
40.003.00	7 G 1,5	132	0,420	17,6	16	101
40.004.00	12 G 1,5	160	0,630	21,3	13	173
40.005.00	18 G 1,5	186	0,895	28,0	12	259
40.006.00	24 G 1,5	210	1,100	30,3	10	346
40.007.00	4 G 2,5	122	0,370	16,2	30	96
40.008.00	5 G 2,5	126	0,490	16,8	30	120
40.009.00	12 G 2,5	187	0,895	28,2	18	288
40.010.00	18 G 2,5	212	1,195	28,2	16	432
40.011.00	24 G 2,5	248	1,585	33,0	14	576
40.011.50	30 G 2,5	260	1,830	24,6	14	720
40.012.00	4 G 4	145	0,520	19,3	40	40
40.013.00	5 G 4	154	0,640	20,5	40	120
40.014.00	4 G 6	163	0,690	21,7	52	60
40.015.00	5 G 6	174	0,855	23,2	52	180
40.017.00	4 G 10	195	1,025	25,9	71	384
40.018.00	5 G 10	209	1,200	28,8	71	480
40.019.00	4 G 16	220	1,305	29,1	96	614
40.020.00	5 G 16	238	1,745	31,7	96	768
40.021.00	4 G 25	258	2,070	34,4	127	960
40.023.00	4 G 35	290	2,740	38,6	157	1.344

Flexible, round and rollable SEMOFLEX® DRUM

Composition

- Conductor in copper wires, uncoated class 6
- Wire insulation **Semocore** – wires numbered from 6 conductors
- Exterior covering in yellow polyurethane – flame resistant
- G = Presence of a grounding conductor (yellow/green)
- Maximum unwinding speed 60 m/min
- Maximum tensile load = 15 N/mm² x the section of the copper



Part n°	# conductors/ section in mm ²	Min Radius curves (mm)	Weight kg/m	Diameter mm	Copper weight kg/km
42.100.00	4 G 1,5	102	0,156	10,2	59
42.101.00	5 G 1,5	106	0,178	10,8	78
42.102.00	7 G 1,5	129	0,251	12,9	104
42.104.00	12 G 1,5	184	0,462	18,4	178
42.105.00	18 G 1,5	186	0,543	18,6	252,2
42.106.00	24 G 1,5	213	0,715	21,3	356
42.111.00	4 G 2,5	117	0,214	11,7	99
42.112.00	5 G 2,5	127	0,270	12,7	124
42.113.00	7 G 2,5	148	0,353	14,8	173
42.114.00	12 G 2,5	204	0,640	20,4	297
42.115.00	18 G 2,5	211	0,792	21,1	446
42.116.00	24 G 2,5	248	1,075	24,8	594
42.120.00	4 G 4	125	0,282	12,5	158
42.121.00	5 G 4	145	0,364	14,5	198
42.125.00	4 G 6	169	0,485	16,9	238
42.126.00	5 G 6	178	0,509	17,8	297
42.129.00	4 G 10	196	0,625	19,6	396
42.133.00	4 G 16	236	0,972	23,8	634
42.136.00	4 G 25	277	1,471	27,7	990
42.137.00	4 G 35	324	2,108	30,1	1386

Flexible, round and rollable

Type H07RNF of A07RNF

Composition

- Conductor in copper wires, uncoated class 5
- Wire insulation in rubber
- Colour code according to standard HAR and with numbers from 7 conductors.
- Exterior covering in neoprene, temperature range from - 25 to + 85° C.
- G = Presence of a grounding conductor (yellow/green)
- Minimum Radius curve = 10 time the diameter of the cable



Part n°	# conductors/ section in mm ²	Diameter mm	Weight kg/m	Current A	Voltage drop A/km (V)
40.108.00	2 G 1,5	10,0	0,130	24	28
40.109.00	3 G 1,5	10,5	0,155	24	28
40.110.00	4 G 1,5	11,5	0,190	22	24
40.111.00	5 G 1,5	12,5	0,230	22	24
40.112.00	7 G 1,5	14,0	0,300	14	24
40.113.00	8 G 1,5	16,0	0,420	11	24
40.114.00	12 G 1,5	18,0	0,500	11	24
40.115.00	3 G 2,5	12,5	0,230	33	17
40.116.00	4 G 2,5	14,0	0,280	30	14
40.117.00	5 G 2,5	15,0	0,340	30	14
40.118.00	7 G 2,5	16,0	0,500	20	14
40.119.00	9 G 2,5	19,0	0,600	15	14
40.120.00	12 G 2,5	21,0	0,750	15	14
40.122.00	4 G 4	16,0	0,390	40	9
40.123.00	5 G 4	17,5	0,490	40	9
40.125.00	4 G 6	18,0	0,530	52	6
40.126.00	5 G 6	20,0	0,650	52	6
40.127.00	4 G 10	22,5	0,440	71	3,5
40.128.00	5 G 10	26,5	1,180	71	3,5
40.129.00	4 G 16	25,0	1,300	96	2,2
40.130.00	4 G 25	32,0	1,930	127	1,5
40.131.00	4 G 35	36,0	2,480	157	1,1

Flexible, round and rollable

Type FLGÖU-J

Composition

- Conductor in copper wires, uncoated class 6
- Wire insulation in neoprene – **PCP** with numbers
- Exterior covering in black neoprene – **PCP** – temperature range from - 20 to + 60° C
- G = Presence of a grounding conductor (yellow/ green)
- Minimum Radius curve = 10 times the diameter of the cable
- Fabric wire in the middle



Part n°	# conductors/ section in mm ²	Diameter mm	Copper weight kg/km	Weight kg/m	Breaking Force N
42.405.00	7 G 1	13,6	72	0,195	850
42.406.00	9 G 1	14,4	91	0,281	300
42.407.00	12 G 1	19	126	0,366	3.750
42.408.00	16 G 1	17,7	157	0,407	200
42.409.00	18 G 1	19,4	194	0,427	425
42.411.00	24 G 1	23,4	261	0,586	1.850
42.412.00	36 G 1	25,8	400	0,774	550
42.413.00	48 G 1	30,6	472	1,069	1.250
42.421.00	3 G 1,5	8,7	46	0,128	200
42.422.00	4 G 1,5	11	62	0,144	200
42.423.00	5 G 1,5	12,0	78	0,174	400
42.424.00	7 G 1,5	12,5	110	0,239	1.000
42.425.00	8 G 1,5	13,8	117	0,273	80
42.426.00	9 G 1,5	14,8	140	0,292	1.250
42.428.00	12 G 1,5	19	182	0,471	4.500
42.430.00	18 G 1,5	21,2	288	0,555	555
42.432.00	24 G 1,5	24	374	0,728	2.250
42.433.00	42 G 1,5	29,7	642	1,238	1.700

Flexible, round and rollable Type FLGÖU-J

Composition

- Conductor in copper wires, class 6
- Wire insulation in neoprene – **PCP** with numbers
- Exterior covering in black neoprene - **PCP** Temperature range from - 20 to + 60° C
- G = Presence of a grounding conductor (yellow/green)
- Minimum Radius curve = 10 time the diameter of the cable
- Fabric wire in the middle



Part n°	# conductors/ section in mm ²	Diameter mm	Copper weight kg/km	Weight kg/m	Breaking Force N
42.441.00	3 G 2,5	10,2	75	0,173	200
42.442.00	4 G 2,5	13,1	103	0,204	200
42.443.00	5 G 2,5	14	135	0,330	860
42.444.00	7 G 2,5	16,4	189	0,346	1.550
42.445.00	9 G 2,5	20,5	229	0,542	675
42.446.00	12 G 2,5	24,6	341	0,784	3.250
42.448.00	18 G 2,5	24,6	463	0,806	700
42.449.00	24 G 2,5	28,5	589	1,081	2.650
42.450.00	36 G 2,5	32	864	1,444	2.700
42.461.00	4 G 4	14	157	0,325	480
42.463.00	4 G 6	17	251	0,441	720
42.465.00	4 G 10	21,8	393	0,698	1.200
42.467.00	4 G 16	25,4	629	1,028	1.920
42.462.00	5 G 4	16,8	197	0,394	600
42.464.00	5 G 6	19,2	295	0,528	900
42.466.00	5 G 10	24,8	491	0,923	1.500
42.468.00	5 G 16	28	787	1,260	2.400

Self supporting cable for pendant control station Type BBAP-R (BOITALYON®)

Use

- Operation of manipulation machines: overhead cranes, hoists; through a pendant control station.
- Anchoring of the pendant control station via the steel cables on the side.

Composition

- Conductors: the core in flexible cables made of bare annealed electrolytic copper (class 5 NFC 32013 – Ø of the wires 0.26 mm)
- Insulation: thermoplastic PVC, numbered conductors.
- Exterior covering in black special PVC. Very flexible and resistant to oil and abrasion.
- Two steel cables, covered with polyamide, incorporated in the outer sheath, each on one side of the cable.
- These cables ensure that the pendant control station cable is self-supporting and prevents the conductors from breaking in the cable due to the tension applied.



Part n°	# conductors/ section in mm²	Dimensions mm	Current A	Copper weight kg/km	Weight kg/m
40.190.00	25 G 1	28,5 x 17	4	240	0,500
40.191.00	5 x 1,5	18,5 x 10	18	72	0,210
40.192.00	8 x 1,5	19,5 x 11	14	115	0,300
40.192.50	8 G 1,5	19,5 x 11	14	115	0,300
40.193.00	12 x 1,5	24 x 12	11	173	0,350
40.193.10	12 G 1,5	24 x 12	11	173	0,350
40.194.00	16 x 1,5	25 x 14	10	230	0,440
40.195.00	20 x 1,5	27,5 x 15	8	288	0,520
40.195.50	20 G 1,5	27,5 x 15	8	288	0,520
40.197.00	30 G 1,5	30,5 x 18	6	432	0,700

Characteristics

- Maximum working voltage: 300V - 500V
- Operating temperature: - 20° C to + 80° C
- Good resistance to water, acids, oils and aliphatic hydrocarbons.
- Self-supporting cables are specifically resistant to tensile forces and bending

Flexible, flat in neoprene

Type M(StD)HÖU UL (EMV) - (NGFLCGÖU-J)

Composition

- Conductor in copper wires, uncoated class 5
- Wire insulation in polypropylene with numbering from 6 conductors
- Exterior covering in neoprene -- **PCP**-, Temperature range from - 25 to + 80° C.
- G = Presence of a grounding conductor (yellow/green)
- Flame retardant
- Magnetic shielding by copper braid per conductor
- Allowable voltage 600 V



Part n°	# conductors/ section in mm ²	Dimensions mm	Weight kg/m	Current A	Min Radius curve mm	Copper weight kg/km
40.350.00	4 G 1,5	21,5 x 8	0,230	23	52	99
40.351.00	8 G 1,5	38,6 x 8	0,480	16	32	228
40.352.00	12 G 1,5	56,0 x 8,4	0,770	12	68	342
40.353.00	4 G 2,5	23,0 x 8,0	0,290	32	64	163
40.354.00	12 G 2,5	71,0 x 9,7	1,150	17	80	493
40.356.00	4 G 4	30,0 x 10,4	0,505	43	84	241
40.357.00	4 G 6	33,2 x 11,0	0,595	56	88	353
40.358.00	4 G 10	38,0 x 12,3	0,855	75	100	497
40.359.00	4 G 16	43,0 x 14,0	1,160	100	112	805
40.363.00	4 G 50	68,0 x 20,7	1,280	192	165	14

Flexible, flat in PVC

Type CIC-FLAT shielded - (YFLCY.JZ)

- Composition
- Conductor in copper wires, uncoated class 5
 - Wire insulation in black PVC with numbering from 6 conductors
 - Exterior covering in black PVC- temperature range from - 30 to + 70° C.
 - G = Presence of a grounding conductor (yellow/green)
 - Flame retardant
 - Magnetic shielding by copper braid per conductor
 - Allowable voltage 250-550-600/1000 V



Part n°	# conductors/ section in mm ²	Dimensions mm	Weight kg/m	Current A	Min Radius curve mm	Copper weight kg/km
Rated voltage 250 V.						
40.250.00	5 x 0,5	20,1 x 4,6	0,100	9	50	60
40.254.00	5 x 4 x 0,5	26 x 7,3	0,400	7	80	150
40.255.00	7 x 4 x 0,5	50 x 10,3	0,745	6	100	222
Rated voltage 550 V.						
40.251.00	4 x 2 x 1	30,2 x 9,3	0,433	10	93	140
40.252.00	4 x 4 x 1	33,3 x 11,2	0,625	9	110	315
Rated voltage 600/1000 V.						
40.280.00	4 x 1,5	19 x 7	0,220	22	55	110
40.281.00	8 x 1,5	34 x 7	0,430	15	55	220
40.282.00	12 x 1,5	50 x 6,5	0,650	10	55	330
40.283.80	12 G 2,5	54,4 x 7,4	0,850	17	60	474
40.283.00	4 G 2,5	21,5 x 6,6	0,250	27	55	130
40.284.00	4 G 4	25,4 x 8,5	0,360	36	55	180
40.285.00	4 G 6	29 x 9,5	0,580	48	75	305
40.286.00	4 G 10	37 x 11	0,900	63	75	460
40.287.00	4 G 16	46 x 14	1,280	85	80	715
40.288.00	4 G 25	50 x 15	1,800	112	120	930
40.289.00	4 G 35	55 x 16	2,300	138	140	1350

Flexible, flat Type H05VVFH6-F

Composition

- Conductor in copper wires, uncoated class 5
- Wire insulation in black PVC with numbering from 6 conductors
- Exterior covering in black PVC- temperature range from - 30 to + 70° C.
- G = Presence of a grounding conductor (yellow/green)
- Flame retardant
- Magnetic shielding by copper braid per conductor
- Allowable voltage 250- 550-600/1000 V

Part n°	# conductors/ section in mm ²	Dimensions mm	Weight kg/m	Current A	Min Radius curve mm	Copper weight kg/km
40.270.00	12 G 0,75	32 x 4,1	0,266	6	35	260
40.271.00	16 G 0,75	42 x 4,1	0,396	5	35	350
40.272.00	18 G 0,75	47 x 4,1	0,560	5	35	400
40.273.00	20 G 0,75	52 x 4,1	0,450	4	35	430
40.274.00	24 G 0,75	63 x 4,1	0,450	4	35	510
40.276.00	6 G 1	20 x 4,3	0,500	15	40	135
40.277.00	9 G 1	27 x 4,3	0,850	10	40	220
40.278.00	12 G 1	42 x 4,3	0,960	8	40	420
40.279.00	18 G 1	42 x 4,3	0,850	6	40	470
40.280.00	24 G 1	42 x 4,3	1,200	6	40	600

Flexible, flat

Type harmonized H07VVFH6-F

Composition

- Conductor in fine copper wires
- Wire insulation in black PVC with numbering
- Exterior covering with temperature range from – 25° tot + 60° C.
- G = Presence of a grounding conductor (yellow/green)
- Allowable voltage 450-750 V



Part n°	# conductors/ section in mm ²	Dimensions mm	Weight kg/m	Current A	Min Radius curve mm
40.401.00	4 G 1,5	15 x 5	0,15	20	40
40.402.00	5 G 1,5	18 x 5	0,18	18	40
40.403.00	7 G 1,5	26 x 5	0,28	15	40
40.404.00	8 G 1,5	28 x 5	0,30	14	40
40.405.00	10 G 1,5	34 x 5	0,36	12	40
40.406.00	12 G 1,5	40 x 5	0,42	11	40
40.409.00	18 G 1,5	60 x 5	0,62	10	40
40.411.00	4 G 2,5	18 x 6	0,21	27	45
40.412.00	5 G 2,5	22 x 6	0,26	25	45
40.413.00	7 G 2,5	32 x 6	0,38	20	45
40.414.00	8 G 2,5	33 x 6	0,41	20	45
40.416.00	12 G 2,5	50 x 6	0,62	16	45
40.420.00	4 G 4	20 x ,5	0,30	36	55
40.423.00	7 G 4	36 x 7	0,55	20	55
40.426.00	4 G 6	23 x 7	0,39	48	65
40.431.00	4 G 10	28 x 9	0,62	63	75
40.432.00	4 G 16	36 x 11	0,99	85	80
40.434.00	4 G 25	42 x 13	1,55	112	100
40.436.00	4 G 35	49 x 15	2,03	138	120
40.438.00	4 G 50	54 x 16,5	2,40	190	130
40.439.00	4 G 70	62 x 18	3,65	213	140

Flexible, flat

Type NGFLGöu-J

Composition

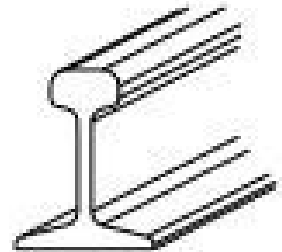
- Conductor in fine copper wires
- Wire insulation in neoprene with numbering
- Exterior covering in neoprene - temperature range from - 35 to + 80° C.
- G = Presence of a grounding conductor (yellow/green)
- Allowable voltage 300-500 V



Part n°	# conductors/ section in mm ²	Dimensions mm	Weight kg/m	Current A	Min Radius curve mm
42.300.00	4 G 1,5	17,1 x 6,2	0,20	23	19
42.302.00	8 G 1,5	31,5 x 6,2	0,37	16	19
43.303.00	10 G 1,5	40,0 x 6,5	0,60	13	20
42.304.00	12 G 1,5	47,0 x 6,5	0,63	12	20
42.305.00	24 G 1,5	55,0 x 12,5	1,30	10	63
42.311.00	4 G 2,5	21,0 x 7,5	0,20	32	23
42.313.00	7 G 2,5	35,0 x 7,5	0,52	22	23
42.314.00	8 G 2,5	39,0 x 7,5	0,55	21	23
42.315.00	12 G 2,5	56,0 x 8,0	0,80	17	32
42.316.00	24 G 2,5	71,0 x 16,0	1,85	13	80
42.321.00	4 G 4	26,0 x 9,0	0,41	43	36
42.322.00	5 G 4	32,0 x 9,0	0,56	43	36
42.323.00	7 G 4	42,0 x 9,0	0,70	31	36
42.331.00	4 G 6	29,0 x 9,5	0,60	56	38
42.333.00	4 G 10	33,0 x 11,0	0,80	78	44
42.334.00	4 G 16	38,0 x 13,0	1,15	104	65
42.335.00	5 G 16	50,0 x 13,0	1,45	104	65
42.337.00	4 G 25	49,5 x 15,0	1,70	138	75
42.338.00	4 G 35	48,9 x 17,0	2,20	171	85
42.339.00	4 G 50	63,0 x 19,0	3,00	213	95
42.340.00	4 G 70	71,0 x 22,0	4,00	263	110
42.341.00	4 G 95	80,0 x 25,0	5,30	317	125
42.342.00	4 G 120 m	88,7 x 16,4	3,24	370	135

Copper busbars —Type RC 1130

Standard use

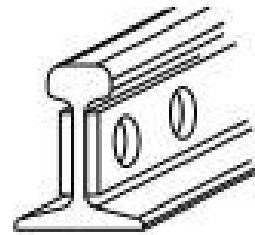


Busbars in steel/copper —Type RC 1003

The busbar consists of a steel rail with or without a copper strip on both sides of the core of the rail.

This copper strip, the cross-section of which is determined by the current to be carried, is located outside the wear zone

Used for currents from 50 A to 1220 A



Galvanized steel busbars with copper head —Type RC35

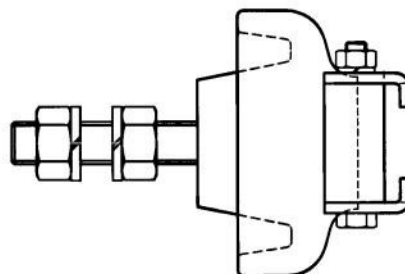
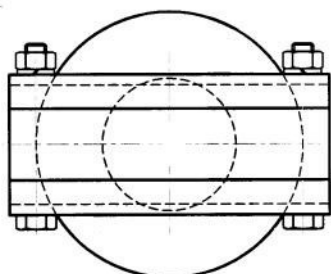
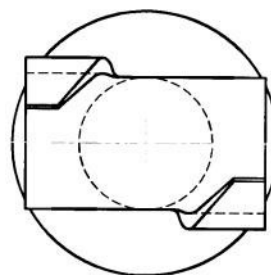
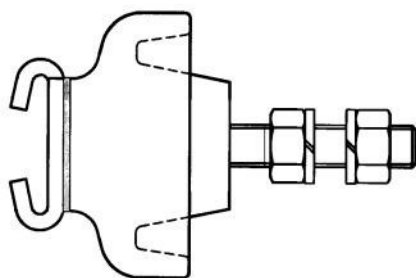
The busbar consists of a steel rail on which a copper head is attached.

Used for currents from 380A to 700A.



INSULATORS

[RETURN](#)



CURRENT COLLECTOR

[RETURN](#)



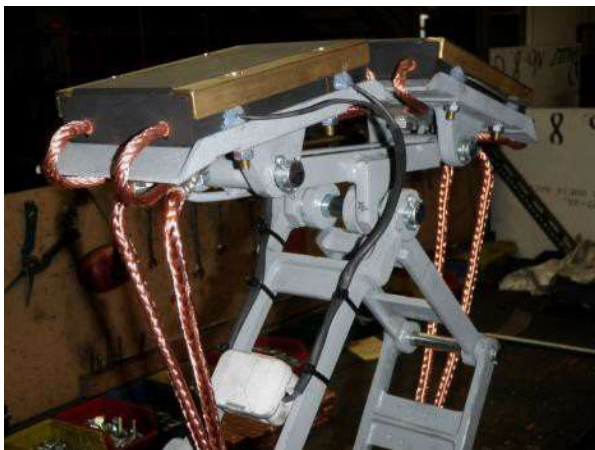
ACCESSORIES FOR BUSBARS

INSOLATORS – FIXED CONNECTIONS - EXPANTION JOINT- FEEDER CLAMP - RAILSTOP – INSULATED RAILCONNECTION (to wall, Beam) – DISCONNECTION SWITCH



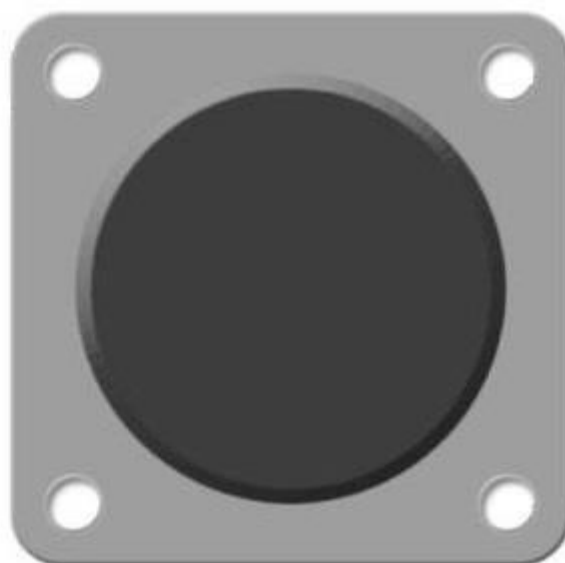
SPRING CURRENT COLLECTOR
COLLECTOR SHOES: CAST IRON – BRONZE
COLLECTOR BRUSHES: GRAPHITE – METAL GRAPHITE

COLLECTORS WITH ABRASIN GAUGE

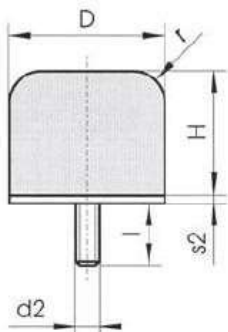


GROUNDING BRUSHES

40 – 400 A

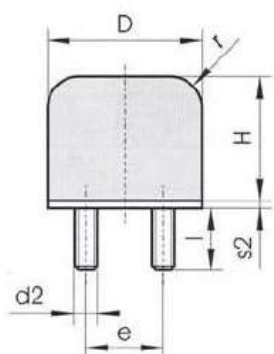


TYPE GP-1G Rubber buffer with threaded end - Support in galvanized steel ST37 (S235)



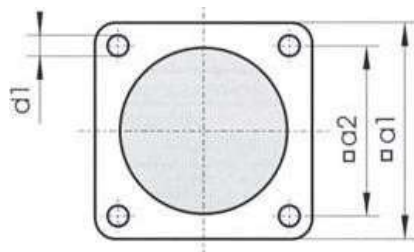
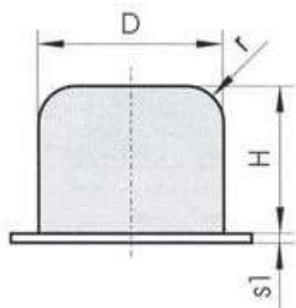
Code	ref. Agema	ØD(mm)	H (mm)	D2 (mm)	I (mm)	R (mm)	S2 (mm)
GP-1G 40x32	90.250.00	40	32	M8	23	8	2
GP-1G 50x40	90.251.00	50	40	M10	28	10	2
GP-1G 63x50	90.253.00	63	50	M10	28	12,5	3
GP-1G 80x63-M12	90.254.00	80	63	M12	37	18	3
GP-1G 100x80	90.255.00	100	80	M12	36	20	4
GP-1G 125x100	90.256.00	125	100	M16	36	25	4
GP-1G 160x125	90.257.00	160	125	M16	44	32	6
GP-1G 200x160	90.258.00	200	160	M20	44	40	6

TYPE GP-2G Rubber buffer with 2 threaded ends – Support in galvanized steel ST37(S235)



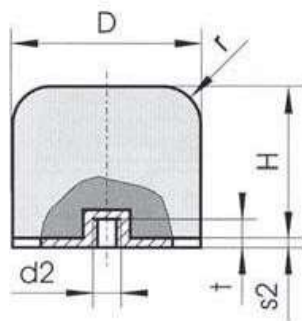
Code	ref. Agema	ØD (mm)	H (mm)	D2 (mm)	I (mm)	R (mm)	E (mm)	S2 (mm)
GP-2G 10x80	90.270.00	100	80	M12	36	20	50	4
GP-2G 125x100	90.271.00	125	100	M16	36	25	63	4
GP-2G 160x125	90.272.00	160	125	M16	44	32	80	6
GP-2G 200x160	90.273.00	200	160	M20	44	40	100	6

TYPE GP-QP Rubber buffer — Square base plate in galvanized steel ST37(S235)



Code	ref. Agema	ØD(mm)	H (mm)	a1 (mm)	a2 (mm)	d1 (mm)	r (mm)	s1 (mm)
GP-QP 40x32	90.210.00	40	32	50	40	5,5	8	2
GP-QP 50x40	90.211.00	50	40	63	50	6,5	10	3
GP-QP 63x50	90.212.00	63	50	80	63	6,5	12,5	4
GP-QP 80x63	90.233.00	80	63	100	80	9	18	5
GP-QP 100x80	90.234.00	100	80	125	100	9	20	6
GP-QP 125x100	90.235.00	125	100	160	125	11	25	6
GP-QP 160x125	90.236.00	160	125	200	160	11	32	8
GP-QP 200x160	90.237.00	200	160	250	200	13	40	8

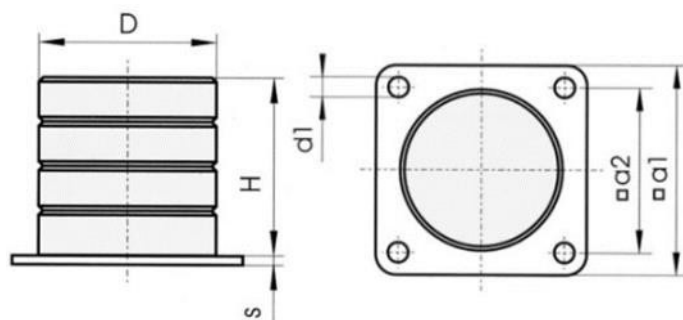
TYPE GP-1I Rubber buffer with 1 threaded hole – Base plate in galvanized steel ST37 (S235)



Code	ref. Agema	ØD(mm)	H (mm)	d2	r (mm)	s2 (mm)	t (mm)
GP-1I 40x32	90.210.00	40	32	M8	8	2	8
GP-1I 50x40	90.211.00	50	40	M10	10	2	10
GP-1I 63x50	90.212.00	63	50	M10	12,5	3	10
GP-1I 80x63	90.213.00	80	63	M12	18	3	12
GP-1I 100x80	90.214.00	100	80	M12	20	4	12
GP-1I 125x100	90.215.00	125	100	M16	25	4	16
GP-1I 160x125	90.216.00	160	125	M16	32	6	16
GP-1I 200x160	90.217.00	200	160	M20	40	6	1

Buffer in cellular Polyurethane with square base plate

Buffer: Ø 80 to 200 mm: plate in Aluminium - Ø 250 to 600mm: plate in galvanized steel



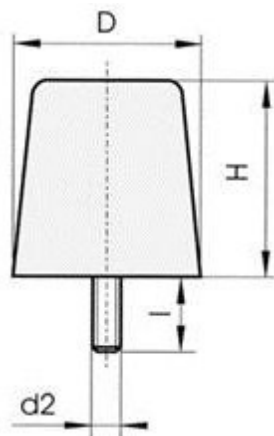
Code	ref. Agema	ØD(mm)	H (mm)	a1 (mm)	a2 (mm)	s (mm)	d1 (mm)
PG1-80x40	92.001.00	80	40	110	80	10	12,5
PG2-80x80	92.002.00	80	80	110	80	10	12,5
PG3-80x120	92.003.00	80	120	110	80	10	12,5
PG4-100x50	92.004.00	100	50	125	100	10	12,5
PG5-100x100	92.005.00	100	100	125	100	10	12,5
PG6-100x150	92.006.00	100	150	125	100	10	12,5
PG7-125x63	92.007.00	125	63	160	125	12	17
PG8-125x125	92.008.00	125	125	160	125	12	17
PG9-125x190	92.009.00	125	190	160	125	12	17
PG10-160x80	92.010.00	160	80	200	160	12	17
PG11-160x160	92.011.00	160	160	200	160	12	17
PG12-160x240	92.012.00	160	240	200	160	12	17
PG13-200x100	92.013.00	200	100	250	200	14	21
PG14-200x200	92.014.00	200	200	250	200	14	21
PG15-200x300	92.015.00	200	300	250	200	14	21
PG16-250x125	92.016.00	250	125	315	250	15	21
PG17-250x250	92.017.00	250	250	315	250	15	21
PG18-250x375	92.018.00	250	375	315	250	15	21
PG19-315x158	92.019.00	315	158	400	315	15	21
PG20-315x315	92.020.00	315	315	400	315	15	21
PG21-315x475	92.021.00	315	475	400	315	15	21
PG22-400x200	92.022.00	400	200	500	400	20	25
PG23-400x400	92.023.00	400	400	500	400	20	25
PG24-400x600	92.024.00	400	600	500	400	20	25
PG25-500x250	92.025.00	500	250	630	500	20	25
PG26-500x500	92.026.00	500	500	630	500	20	25
PG27-500x750	92.027.00	500	750	630	500	20	25
PG28-600x300	92.028.00	600	300	730	600	20	25
PG29-600x600	92.029.00	600	600	730	600	20	25
PG30-600x900	92.030.00	600	900	730	600	20	25

BUFFER for OVERHEAD CRANE

Buffer in cellular Polyurethane 0,5->0,55 g/cm³

Buffer in cellular Polyurethane with threaded end

Size A1 & A3: cylindrical - SizeA2: conical

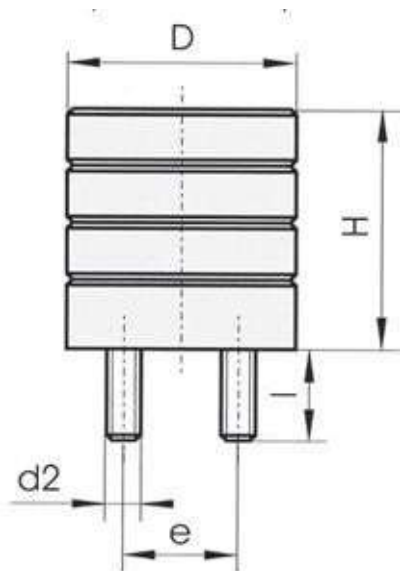


All measurements on the drawings are in mm.

Code	ref. Agema	ØD	H	d2	I
ZP-A2-70x70	92.100.00	70	70	M12	35
ZP-A1-80x40	92.101.00	80	40	M12	35
ZP-A2-80x80	92.102.00	80	80	M12	35
ZP-A3-80x120	92.103.00	80	120	M12	35
ZP-A1-100x50	92.104.00	100	50	M12	35
ZP-A2-100x100	92.105.00	100	100	M12	35
ZP-A3-100x150	92.106.00	100	150	M12	35
ZP-A1-125x63	92.107.00	125	63	M12	35
ZP-A2-125x125	92.108.00	125	125	M12	35
ZP-A3-125x190	92.109.00	125	190	M12	35
ZP-A1-160x80	92.110.00	160	80	M12	35
ZP-A2-160x160	92.111.00	160	160	M12	35
ZP-A3-200x240	92.112.00	200	240	M12	35
ZP-A1-200x100	92.113.00	200	100	M12	35
ZP-A2-200x200	92.114.00	200	200	M12	35
ZP-A3-200x300	92.115.00	200	300	M12	35
ZP-A1-250x125	92.116.00	250	125	M24	80
ZP-A2-250x250	92.117.00	250	250	M24	80
ZP-A3-250x375	92.118.00	250	375	M24	80
ZP-A1-315x158	92.119.00	315	158	M24	80
ZP-A2-315x315	92.120.00	315	315	M24	80
ZP-A3-315x475	92.121.00	315	475	M24	80
ZP-A1-400x200	92.122.00	400	200	M30	80
ZP-A2-400x400	92.123.00	400	400	M30	80
ZP-A3-400x600	92.124.00	400	600	M30	80

BUFFER for OVERHEAD CRANE

Buffer in cellular Polyurethane 0,5->0,55 g/cm³



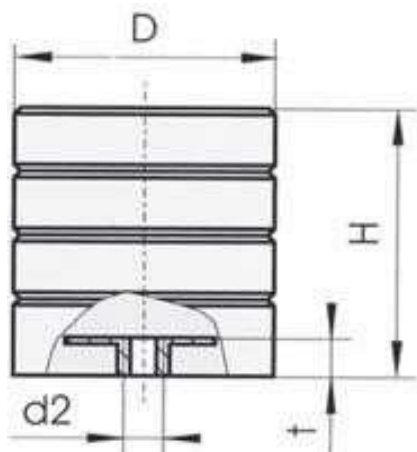
Buffer in cellular Polyurethane with 2 threaded ends

Size A1 & A3: cylindrical - Size A2: conical

Code	ref. Agema	ØD (mm)	H (mm)	d2	l (mm)	e (mm)
ZP-2A1-100x50	92.130.00	100	50	M12	35	50
ZP-2A2-100x100	92.131.00	100	100	M12	35	50
ZP-2A3-100x150	92.132.00	100	150	M12	35	50
ZP-2A1-125x63	92.133.00	125	63	M12	35	63
ZP-2A2-125x125	92.134.00	125	125	M12	35	63
ZP-2A3-125x190	92.135.00	125	190	M12	35	63
ZP-2A1-160x80	92.136.00	160	80	M12	35	80
ZP-2A2-160x160	92.137.00	160	160	M12	35	80
ZP-2A3-200x240	92.138.00	200	240	M12	35	80
ZP-2A1-200x100	92.139.00	200	100	M12	35	100
ZP-2A2-200x200	92.140.00	200	200	M12	35	100
ZP-2A3-200x300	92.141.00	200	300	M12	35	100
ZP-2A1-250x125	92.142.00	250	125	M24	80	125
ZP-2A2-250x250	9.214.300	250	250	M24	80	125
ZP-2A3-250x375	92.145.00	250	375	M24	80	125
ZP-2A1-315x158	92.146.00	315	158	M24	80	160
ZP-2A2-315x315	92.147.00	315	315	M24	80	160
ZP-2A3-315x475	92.148.00	315	475	M24	80	160
ZP-2A1-400x200	92.149.00	400	200	M30	80	200
ZP-2A2-400x400	92.150.00	400	400	M30	80	200
ZP-2A3-400x600	92.151.00	400	600	M30	80	200

BUFFER for OVERHEAD CRANE

Buffer in cellular Polyurethane 0,5->0,55 g/cm³



Buffer in cellular Polyurethane with 1 threaded hole

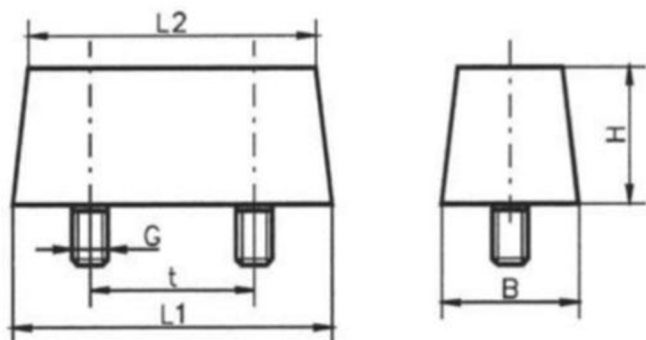
Size I1 & I3: cylindrical – Size I2: conical

Code	ref. Agema	ØD (mm)	H (mm)	d2	t (mm)
ZP-I2-70x70	92.160.00	70	70	M12	12,5
ZP-I1-80x40	92.161.00	80	40	M12	12,5
ZP-I2-80x80	92.162.00	80	80	M12	12,5
ZP-I3-80x120	92.163.00	80	120	M12	12,5
ZP-I1-100x50	92.164.00	100	50	M12	12,5
ZP-I2-100x100	92.165.00	100	100	M12	12,5
ZP-I3-100x150	92.166.00	100	150	M12	12,5
ZP-I1-125x63	92.167.00	125	63	M12	14
ZP-I2-125x125	92.168.00	125	125	M12	14
ZP-I3-125x190	92.169.00	125	190	M12	14
ZP-I1-160x80	92.160.00	160	80	M12	14
ZP-I2-160x160	92.161.00	160	160	M12	14
ZP-I3-200x240	92.162.00	200	240	M12	14
ZP-I1-200x100	92.163.00	200	100	M12	14
ZP-I2-200x200	92.014.00	200	200	M12	14
ZP-I3-200x300	92.165.00	200	300	M12	14
ZP-I1-250x125	92.166.00	250	125	M24	25
ZP-I2-250x250	92.167.00	250	250	M24	25
ZP-I3-250x375	92.168.00	250	375	M24	25
ZP-I1-315x158	92.169.00	315	158	M24	25
ZP-I2-315x315	92.160.00	315	315	M24	25
ZP-I3-315x475	92.161.00	315	475	M24	25
ZP-I1-400x200	92.162.00	400	200	M30	30
ZP-I2-400x400	92.163.00	400	400	M30	30
ZP-I3-400x600	92.164.00	400	600	M30	30

BUFFER for OVERHEAD CRANE

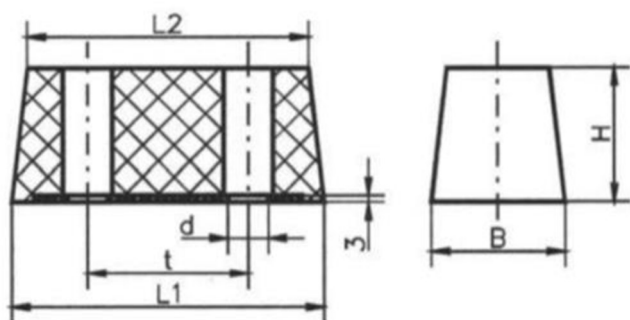
Rubber according to norm NK/SBR 70+/-5 Shore A

TYPE RP-2G Rubber buffer with 2 threaded ends - Support in galvanized steel ST37 (S235)



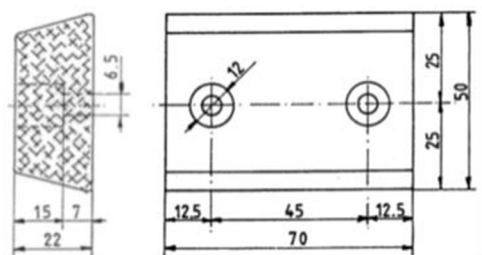
Code	ref. Agema	L1 (mm)	L2 (mm)	B (mm)	H (mm)	t (mm)	G
RP-2G 150x60	50.775.00	150	136	60	60	70	M10x32
RP-2G 150x30	50.776.00	150	140	60	30	70	M10x32
RP-2G 200x100	50.777.00	200	168	100	100	90	M12x32

TYPE RP-0G Rubber buffer with holes - Support in galvanized steel ST37 (S235)



Code	ref. Agema	L1 (mm)	L2 (mm)	B (mm)	H (mm)	t (mm)	d(mm)
RP-0G 150x60	50.771.00	150	136	60	60	70	11
RP-0G 150x30	50.772.00	150	140	60	30	70	11
RP-0G 200x100	50.773.00	200	168	100	100	90	13

Rubber buffer with 2 holes



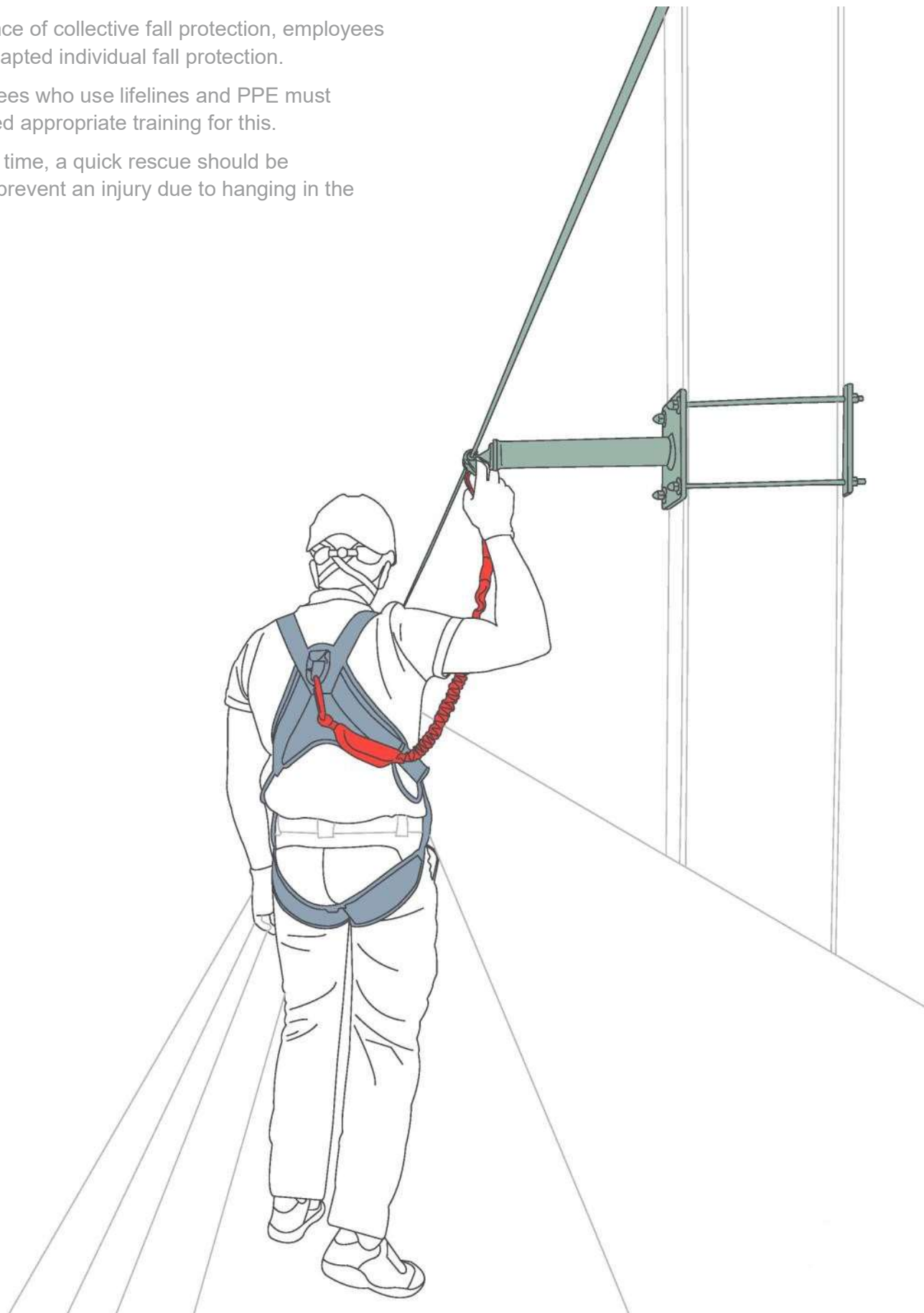
Code	ref. Agema	L1 (mm)	L2 (mm)	B (mm)	H (mm)	t (mm)	d(mm)
	50.770.00	70	70	50	22	45	12

Maintenance of machines and overhead cranes

In the absence of collective fall protection, employees must use adapted individual fall protection.

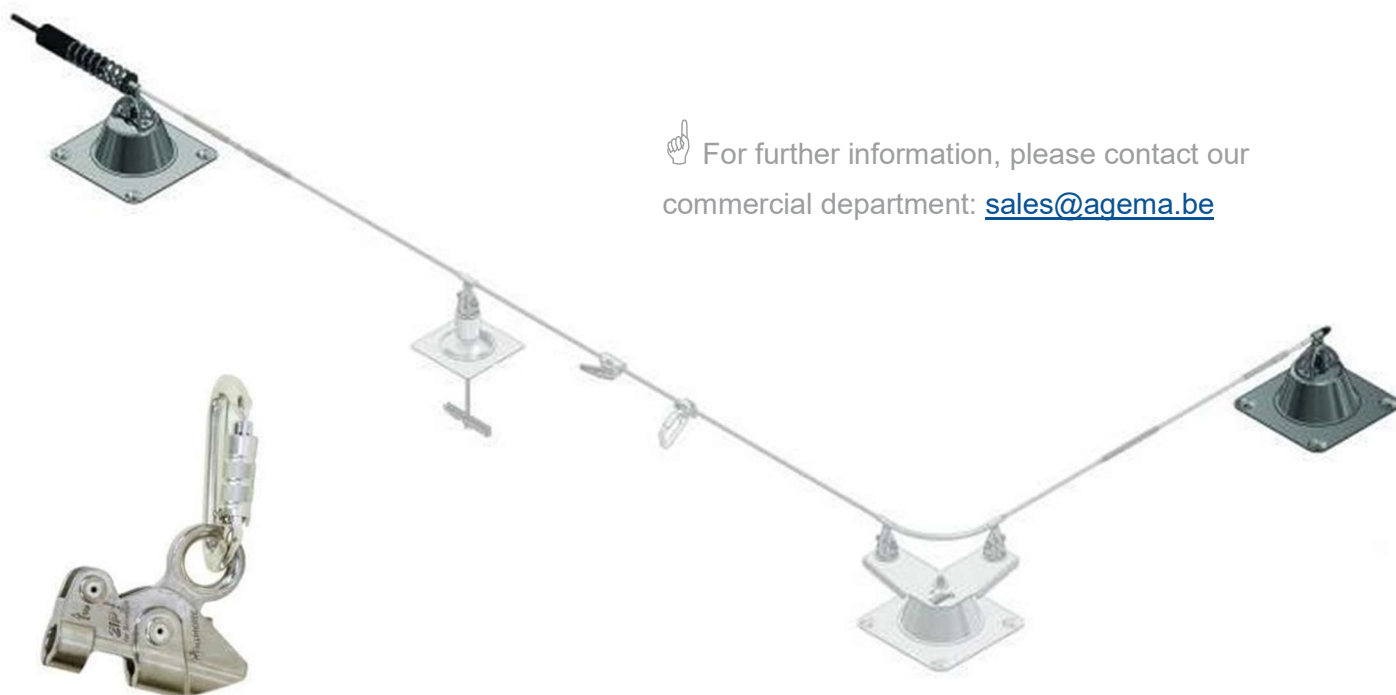
The employees who use lifelines and PPE must have followed appropriate training for this.

At the same time, a quick rescue should be provided to prevent an injury due to hanging in the harness.



Your safety, our business

AGEMA has a range of PPE intended for the safety of maintenance personnel and inspection personnel who can safely do their work on your mobile machines.

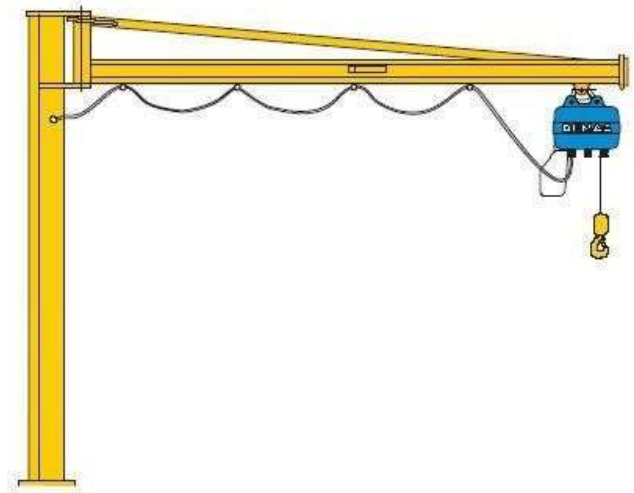


 For further information, please contact our commercial department: sales@agema.be

Column slewing crane

Has a reach of 270°

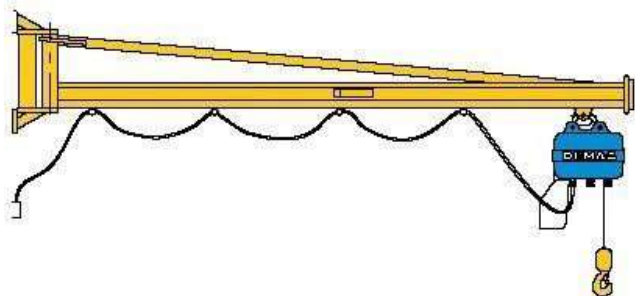
Can be installed anywhere in the workshop.



Wall slewing crane

Has a reach of 180°

Can be installed on a wall in the workshop.



Measuring instruments

Anemometers with a pre-alarm at 50Km/h and alarm at 70Km/h



Sound-based alerts

Waterproof sirens with continuous or intermittent sound.



Light alerts

Light alerts with colour, turning lights, flashing lights, ATEX, etc...



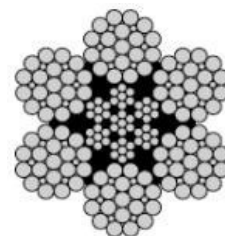
HOISTS

full range on request



Steel cable

Steel hoist cables



Twist free steel cables

Steel hoist cables - the manufacturing process ensures that the cable does not twist

