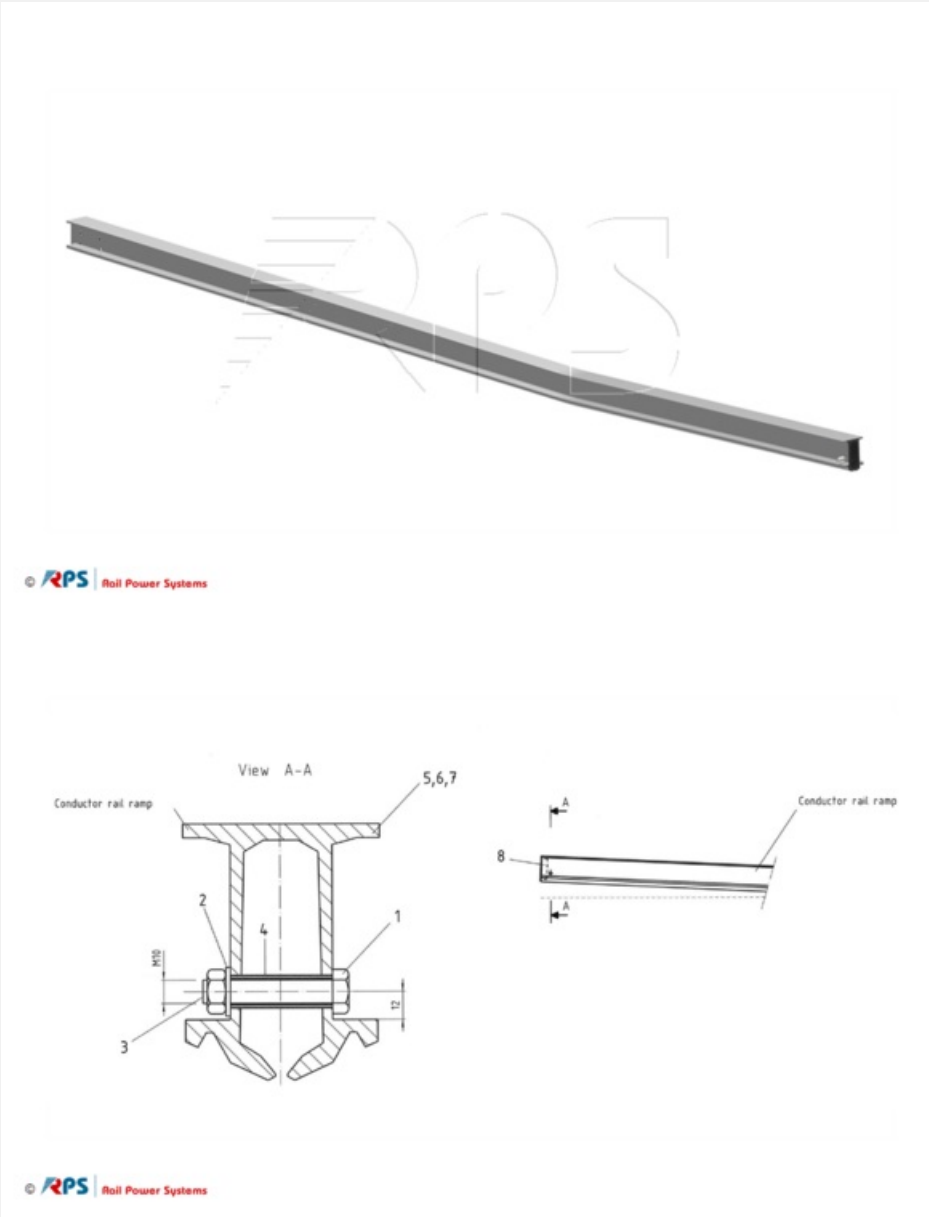


Archive

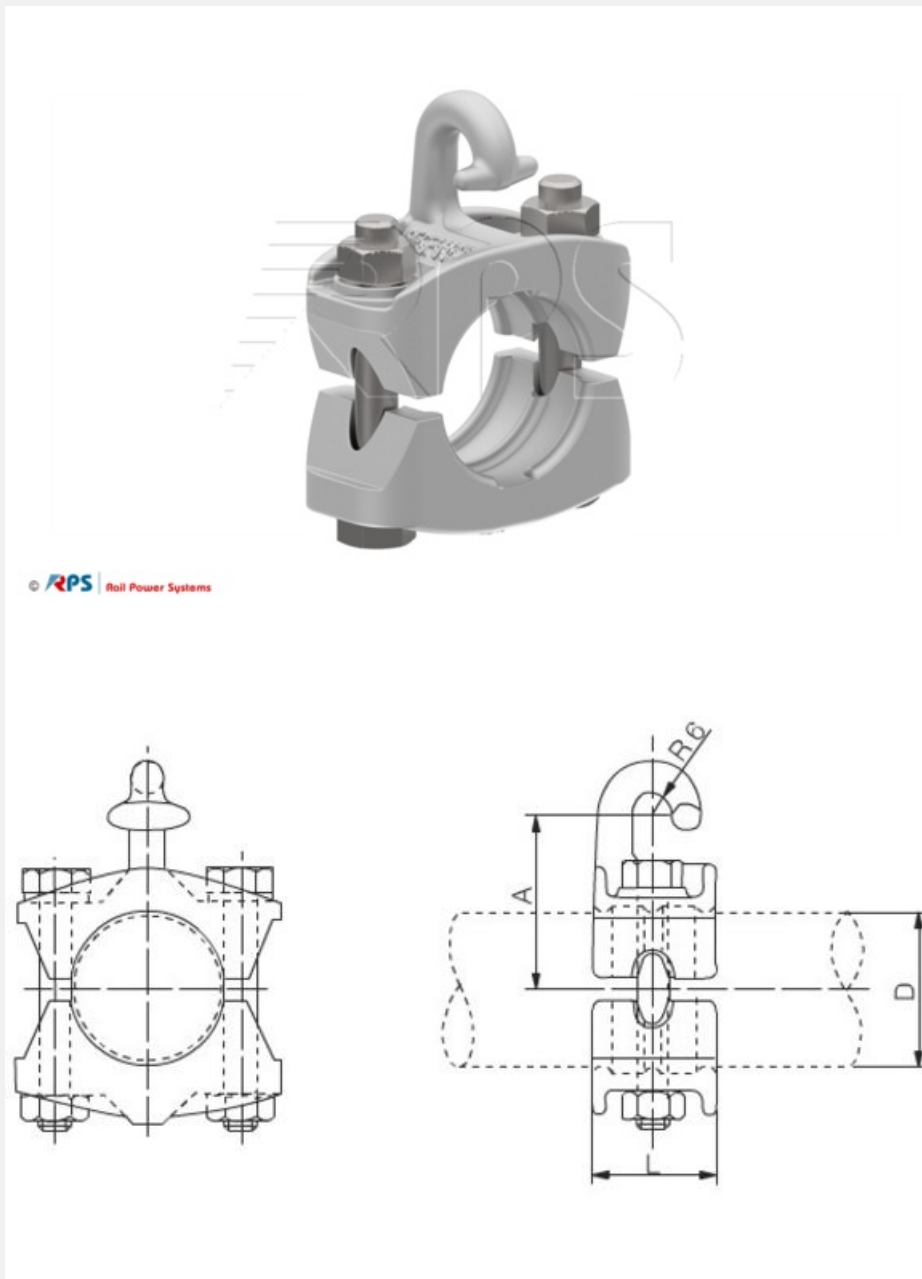
Stromschienenstück



Material-ID	Name	L	Drawing Number
3EGF013538	Stromschienenendstück	10000 mm	3EGF006914Z7493
3EGF013539	Stromschienenendstück	4000 mm	3EGF006914Z7493
3EGF013350	Stromschienenendstück	12000 mm	3EGF006914Z7493

Hook clamp 42/55

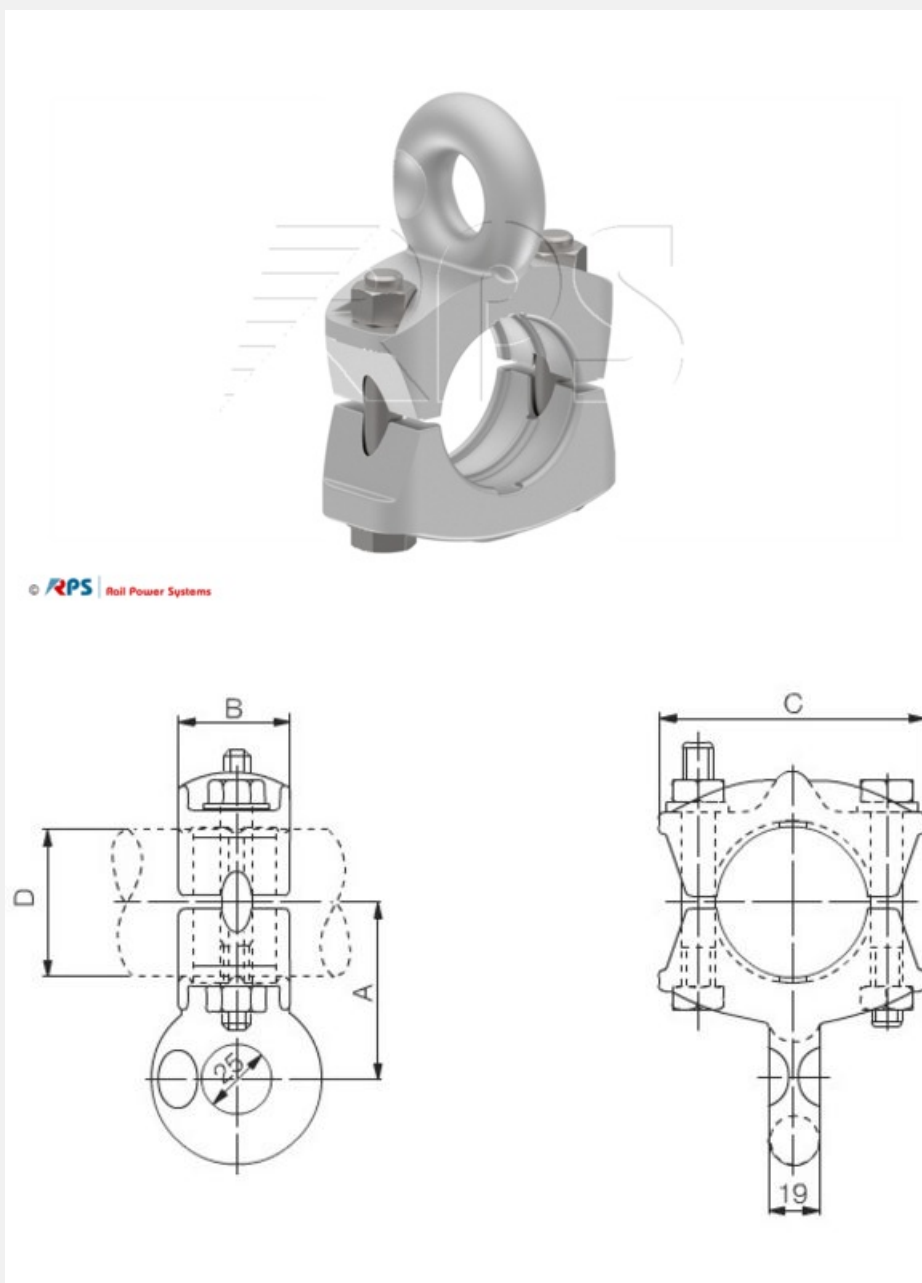
For tube or GRP rod Ø 42 and 55 mm.



Material-ID	Weight	A	L	Diameter	Nominal Force	Drawing Number
3EGF006272	0,30 kg	52 mm	36 mm	42 mm	5 kN	GVT3506929 A
3EGF006273	0,38 kg	61 mm	41 mm	55 mm	5 kN	GVT3506929 C

Eye clamp 55/70

For tube or GRP rod Ø 55 and 70 mm.

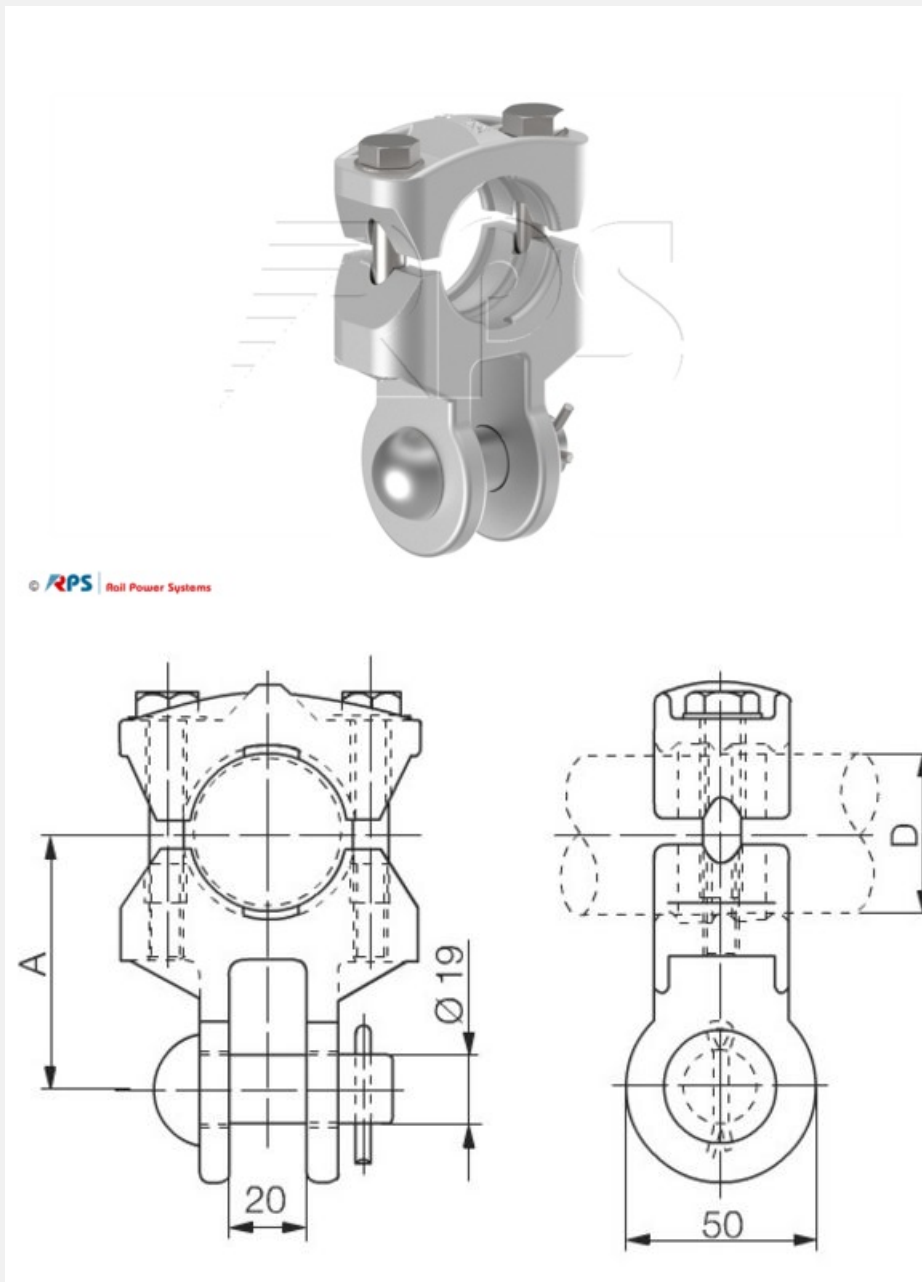


Material-ID	Weight	A	B	C	Diameter	Nominal Force	Drawing Number
3EGF006268	0,64 kg	65 mm	41 mm	98 mm	55 mm	10 kN	GVT3506928 A
3EGF006269	0,76 kg	73 mm	41 mm	113 mm	70 mm	10 kN	GVT3506928 B

Clevis clamp 42/55/70

For tube or GRP rod $\varnothing$ 42, 55 and 70 mm.

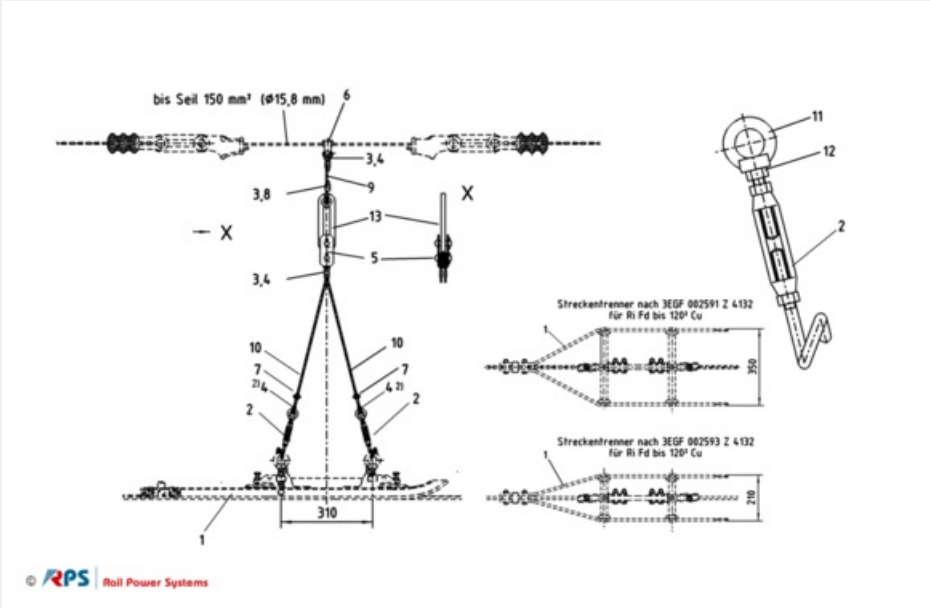
Including pin and split pin.



Material-ID	Weight	A	Diameter	Nominal Force	Drawing Number
3EGF006289	0,46 kg	66 mm	42 mm	20 kN	GVT3506959 A
3EGF006290	0,68 kg	71 mm	55 mm	25 kN	GVT3506960
3EGF006291	0,83 kg	82 mm	70 mm	25 kN	GVT3506961

Section isolator suspension

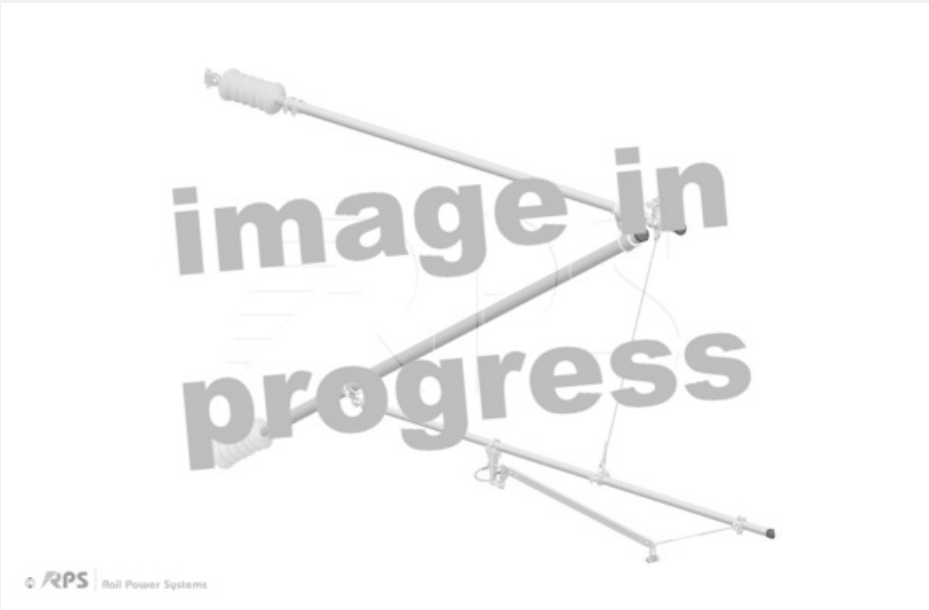
For section insulators 3EGF011680 und 3EGF011681.



Material-ID	Name	Drawing Number
3EGF011801	Streckentrenneraufhängung bestehend aus:	3EGF002888Z4133

Wedge-type dead end_clamp

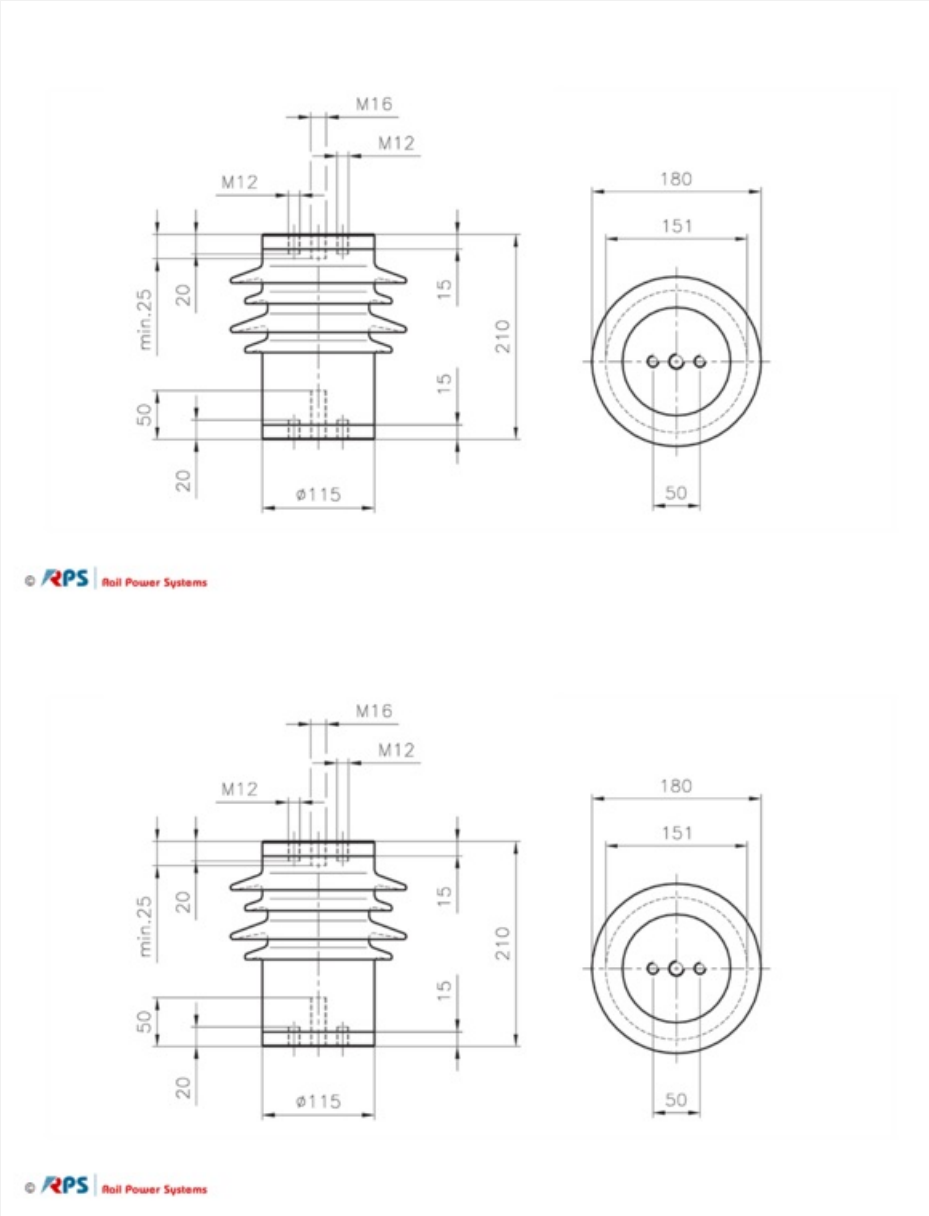
For steel wire only.



Material-ID	Name	Rope Diameter	Weight	Nominal Force	Drawing Number
3EGF006847	Keilendklemme	6 mm	0,48 kg	80 kN	GVT3516425

Surge Arrester Typ POLIM-H

Fadenlänge: 176 mm

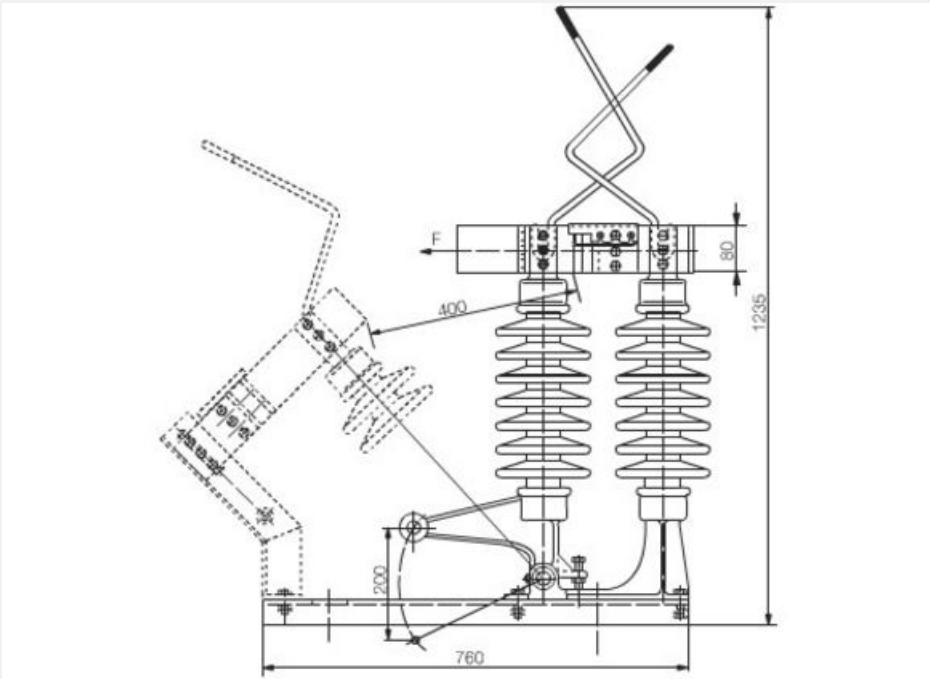


Material-ID	Name	Build Type	Weight	Rated impulse withstand voltage	Drawing Number	Creepage Path
3EGF011720	Überspannungsableiter	POLIM-H 1 ND	6,6 kg	3,0 kV	HAWA481453	327 mm
3EGF011721	Überspannungsableiter	POLIM-H 4,2 ND	6,8 kg	4,2 kV	HAWA481453	327 mm

Mast insulator 25kV

For continuous current 1700 A.

Creepage distance 1055 mm.



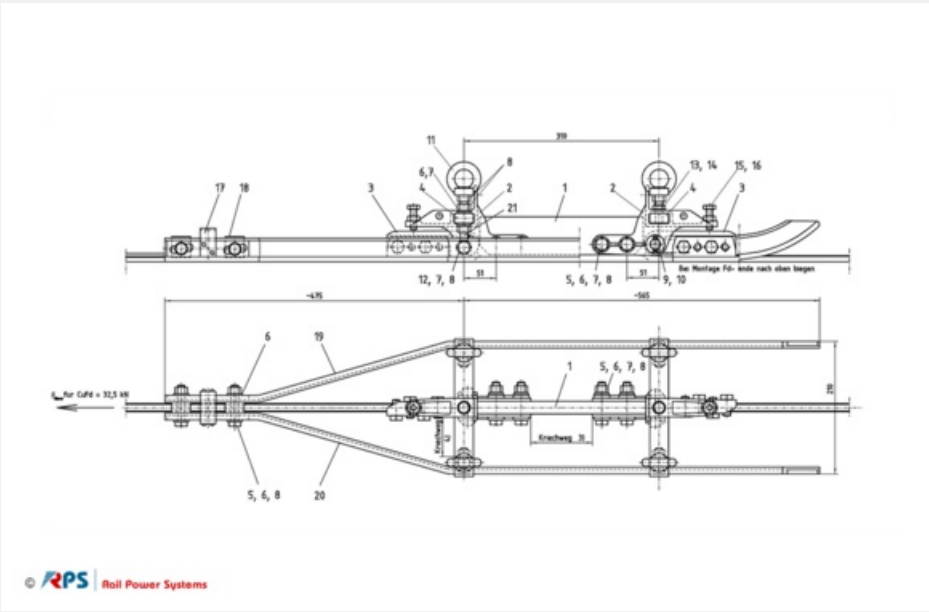
Material-ID	Build Type	Weight	Permanent Current	Creepage Path	Rated impulse withstand voltage	Drawing Number
3EGF010663	without ground contact	52,8 kg	1700 A	1055 mm	25 kV	3EGF000358Z3142 A
3EGF010664	with ground contact	57,8 kg	1700 A	1055 mm	25 kV	3EGF000358Z3142 B

Section insulator 3,0kV

For grooved contact wire from AC-80 to AC-120.

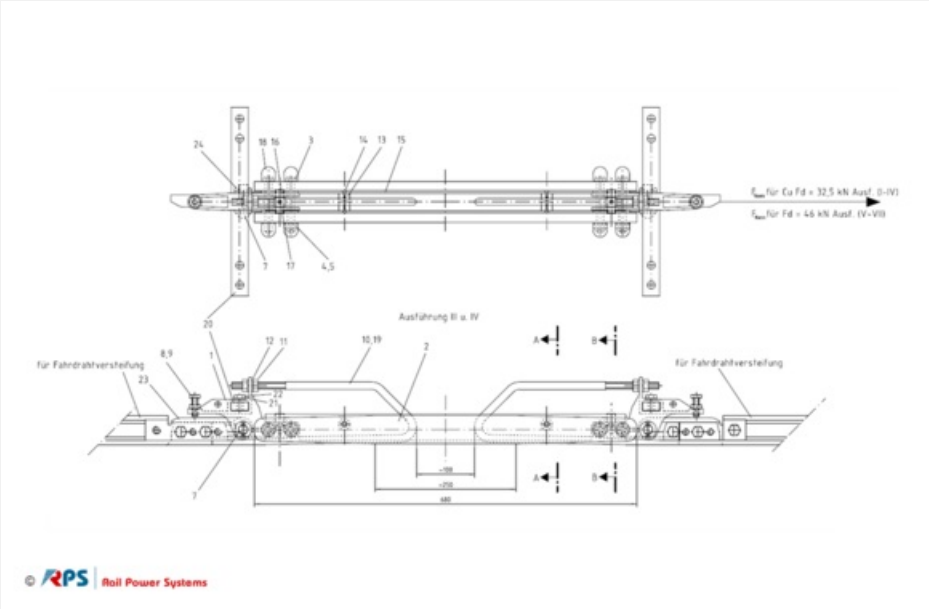
With insulating, teflon-coated GRP rod.

Skid distance 350 mm.



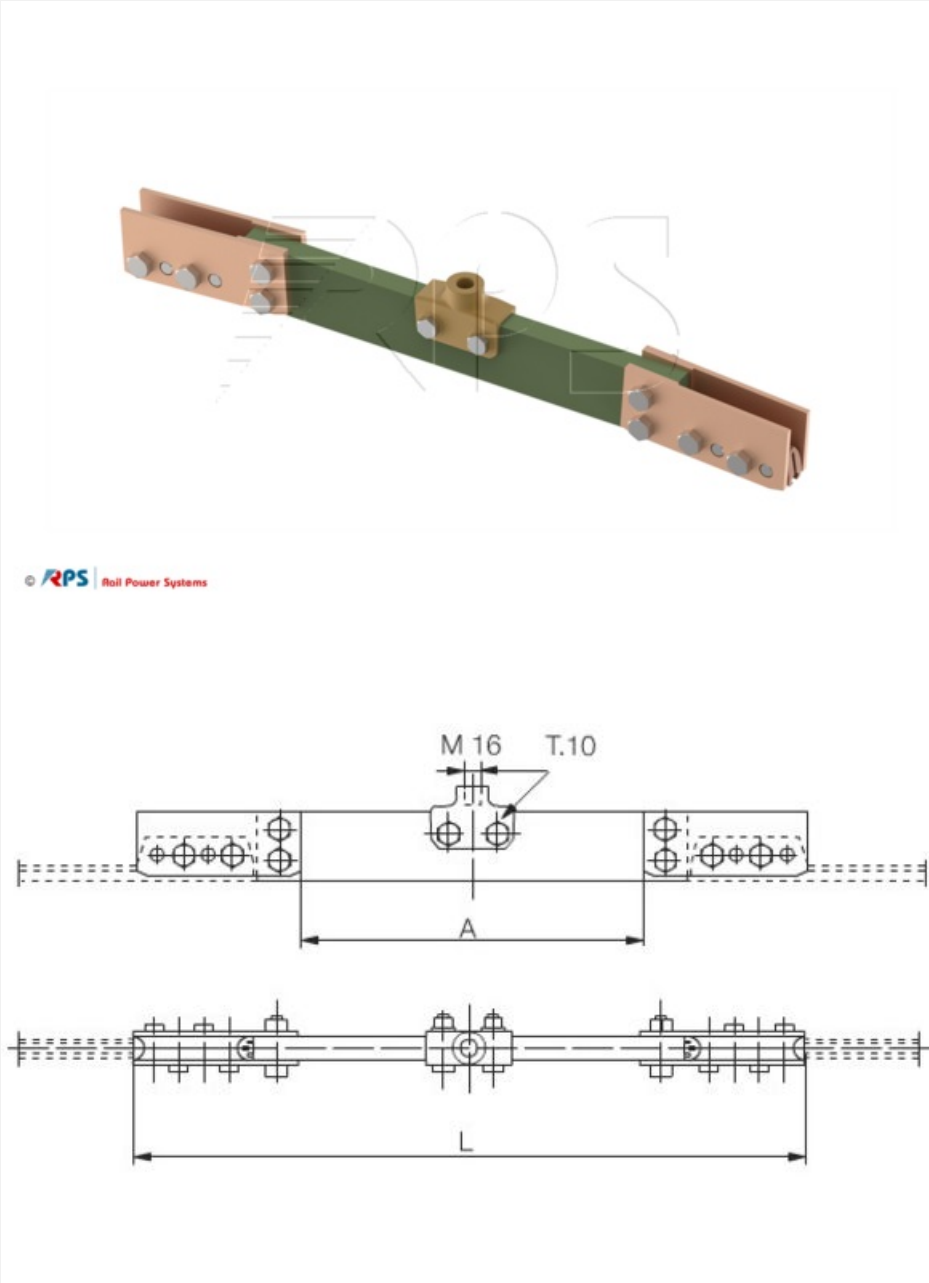
Material-ID	Name	Rated impulse withstand voltage	Creepage Path	Build Type	L	Nominal Force	Drawing Number
3EGF011681	Streckentrenner	3 kV	100 mm	Kufenabstand: 350	1040 mm	32,5 kN	3EGF002591Z4132

Section insulator_1,5kV



Material-ID	Name	Rated impulse withstand voltage	Contact Wire	Weight	Nominal Force	Drawing Number
3EGF006012	Streckentrenner	1,5 kV	AC120 Cu	8,5 kg	32,5 kN	GVT1504566 IV
3EGF006009	Streckentrenner	1,5 kV	AC100 Cu	8,4 kg	32,5 kN	GVT1504566 III

Section_insulator 1,5kV

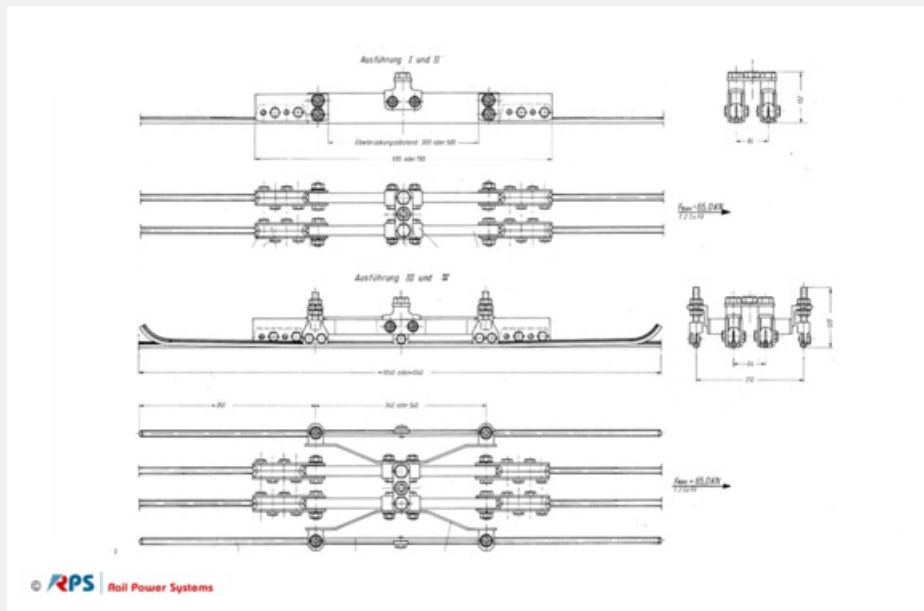


Material-ID	Name	Rated impulse withstand voltage	Weight	L	Nominal Force	Drawing Number
3EGF005854	Streckentrenner	1,5 kV	2,2 kg	595 mm	32,5 kN	GVT2504158 I

Section insulator 1,5kV

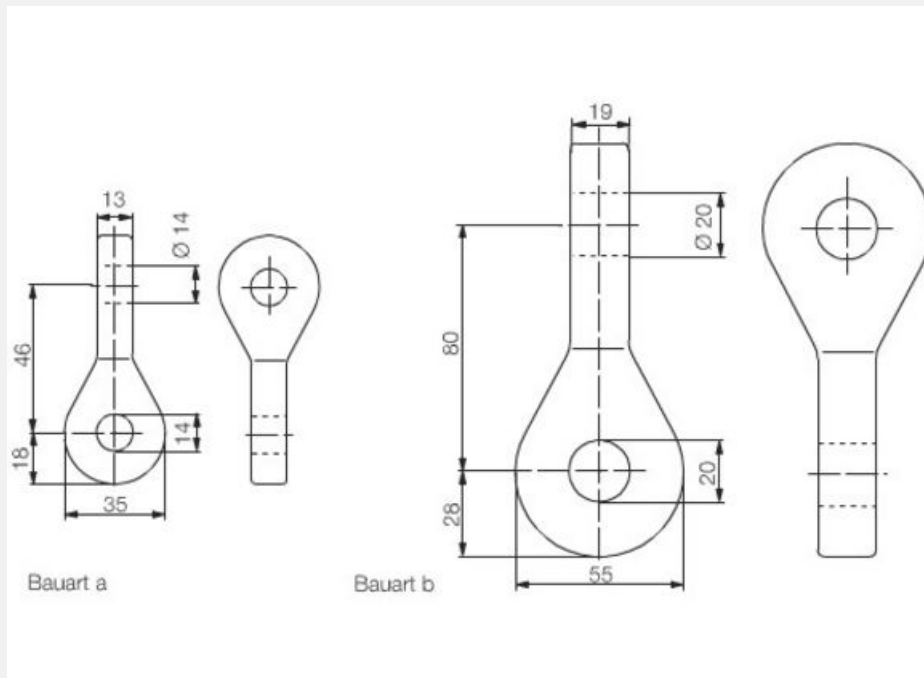
For twin grooved contact wires type AC-100 and AC-120.

With insulating, teflon-coated GRP runners.



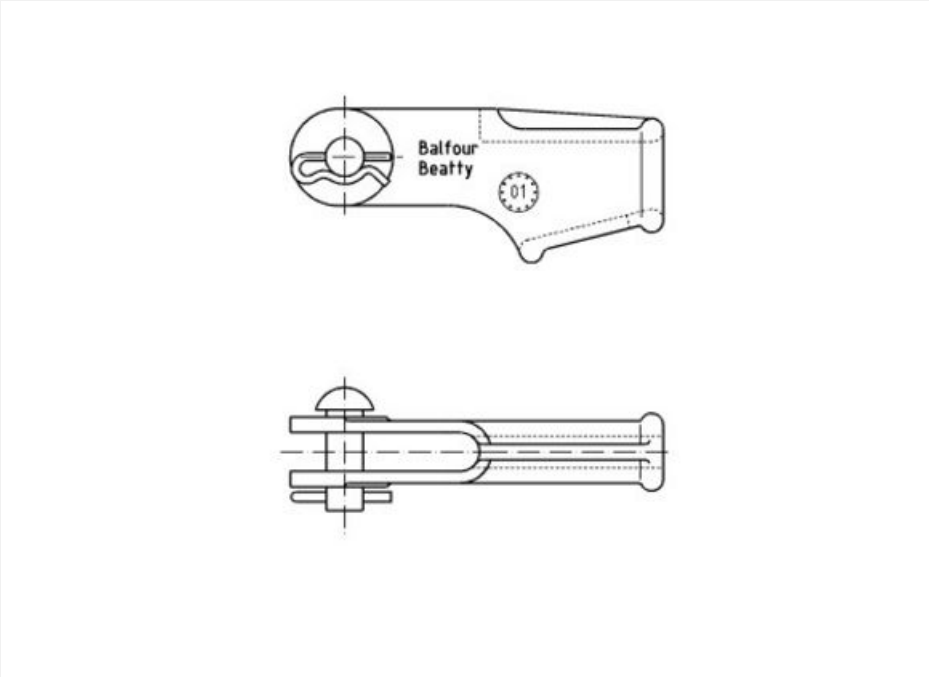
Material-ID	Name	Rated impulse withstand voltage	Weight	L	Nominal Force	Drawing Number
3EGF005856	Streckentrenner	1,5 kV	10,7 kg	595 mm	65 kN	GVT1504159 III
3EGF005857	Streckentrenner	1,5 kV	26 kg	795 mm	65 kN	GVT1504159 IV

Twisted eye-eye connector



Material-ID	Name	Weight	Nominal Force	Drawing Number
3EGF011710	Doppelöse für Bolzen 13	0,200 kg	30 kN	GVT4501101 Ausführung a

Wedge-type dead end clamp

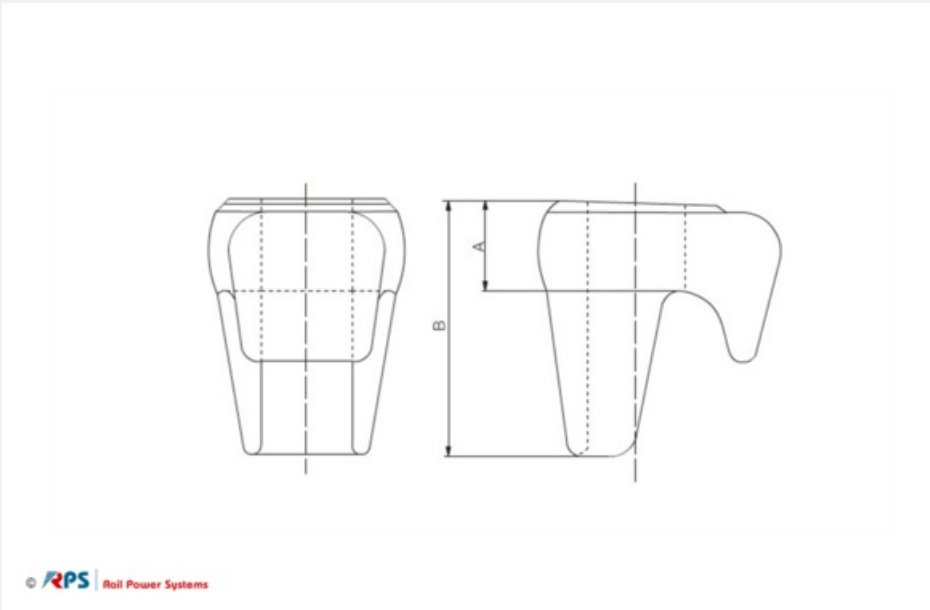


Material-ID	Name	Build Type	Weight	Rope Q	Contact Wire	Drawing Number
3EGF007342	Keilendklemme	1-hole	0,801 kg	95/120 mm²	AC120 Cu	für NV

Hook claw

For lattice mast.

For installation of mast bracket. Made of aluminium.



Material-ID	Name	Weight	A	B	Nominal Force	Drawing Number
3EGF001027	Klaue	0,07 kg	12 mm	32 mm	45 kN	Ebs 04.54.07

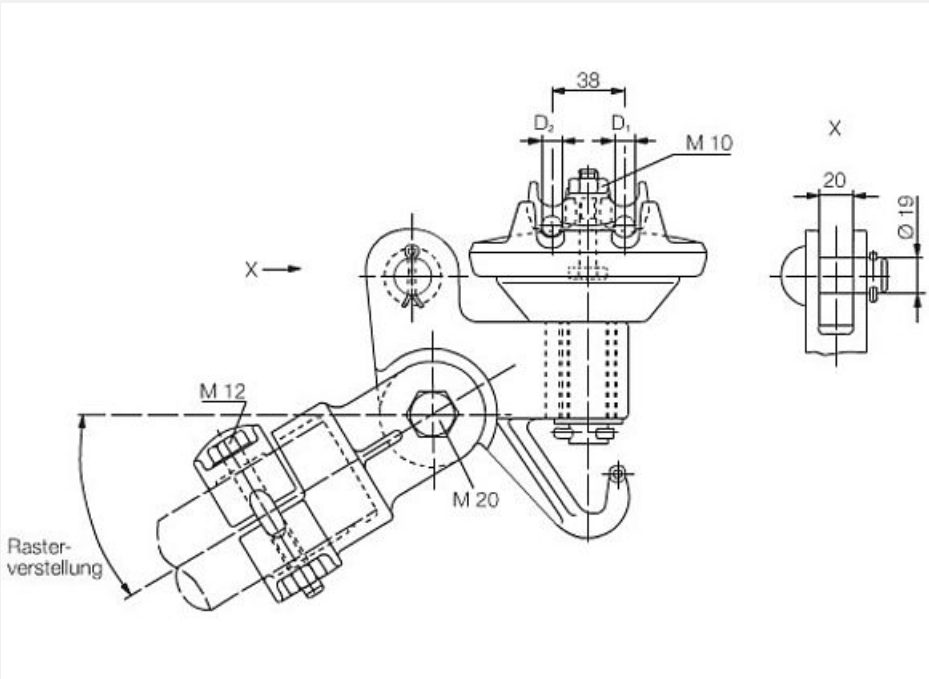
Messenger wire swivel support clamp 55 isolated 1,5 kV

For cantilever tube Ø 55 mm.

Bolts made of stainless steel.

Please order protection sleeves separately.

For copper and copper alloy wires please use copper-aluminium sleeves to avoid galvanic corrosion.



Material-ID	Weight	Rated impulse withstand voltage	A	L	Diameter	D2	Build Type	Drawing Number
3EGF006893	0,535 kg	1,5 kV	1 mm	1 mm	23 mm	13 mm	a) messenger wire swivel support clamp	GVT1516475 I
3EGF006894	0,535 kg	1,5 kV			23 mm	23 mm	a) messenger wire swivel support clamp	GVT1516475 II

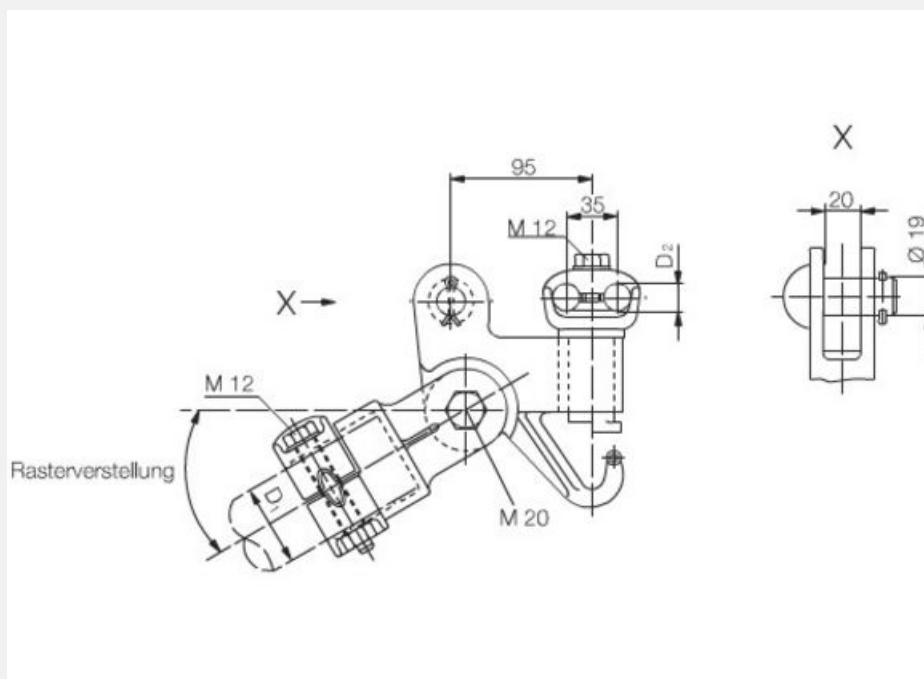
Messenger wire swivel support clamp 55/70, not isolated

For cantilever tube Ø 55 to 70 mm.

Bolts made of stainless steel.

Please order protection sleeves separately.

For copper and copper alloy wires please use copper-aluminium sleeves to avoid galvanic corrosion.

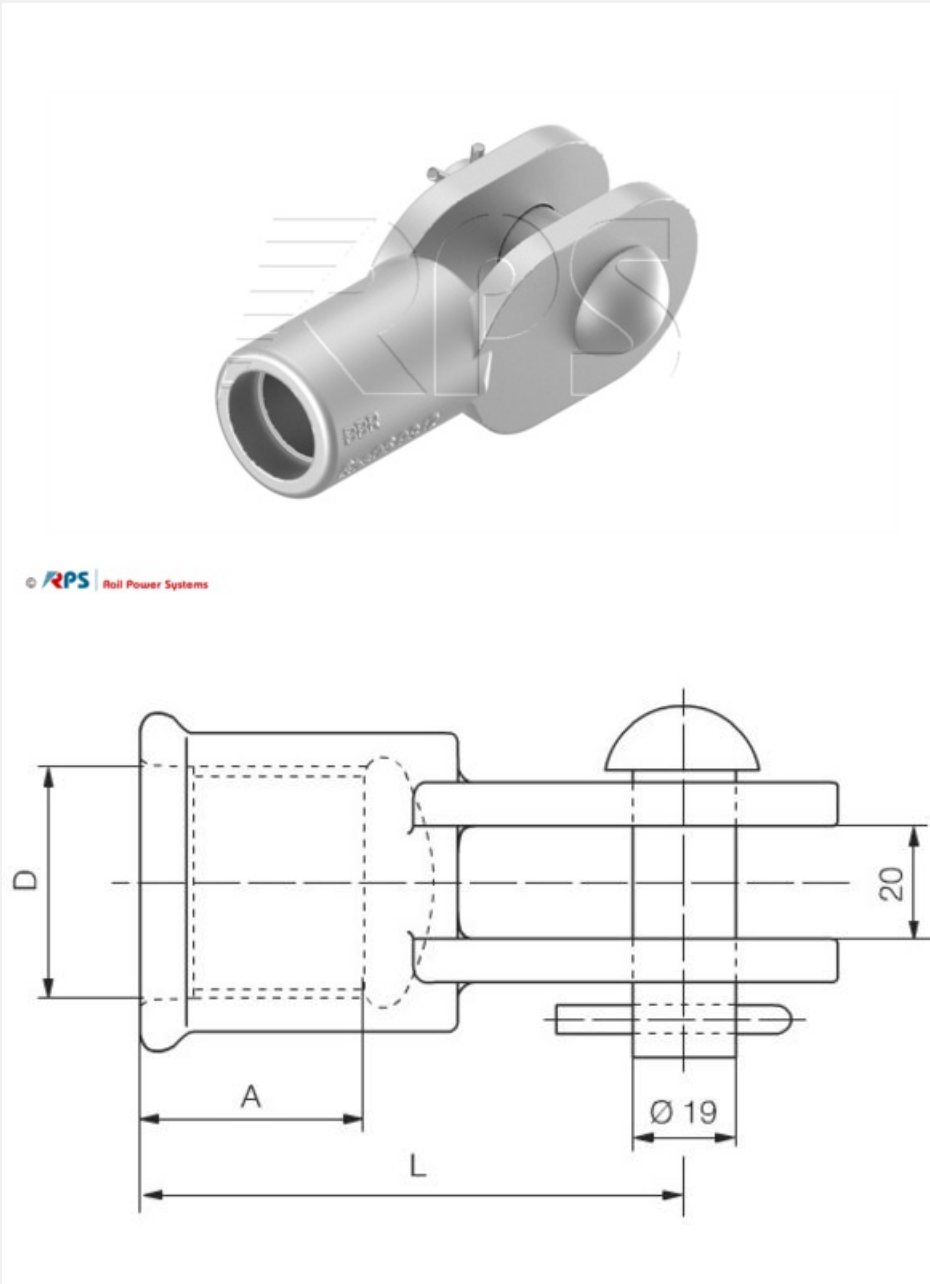


Material-ID	Weight	Diameter	D2	Nominal Force	Drawing Number
3EGF006741	2,11 kg	55 mm	18 mm	30 kN	GVT2516008 A

Hinge joint with clevis

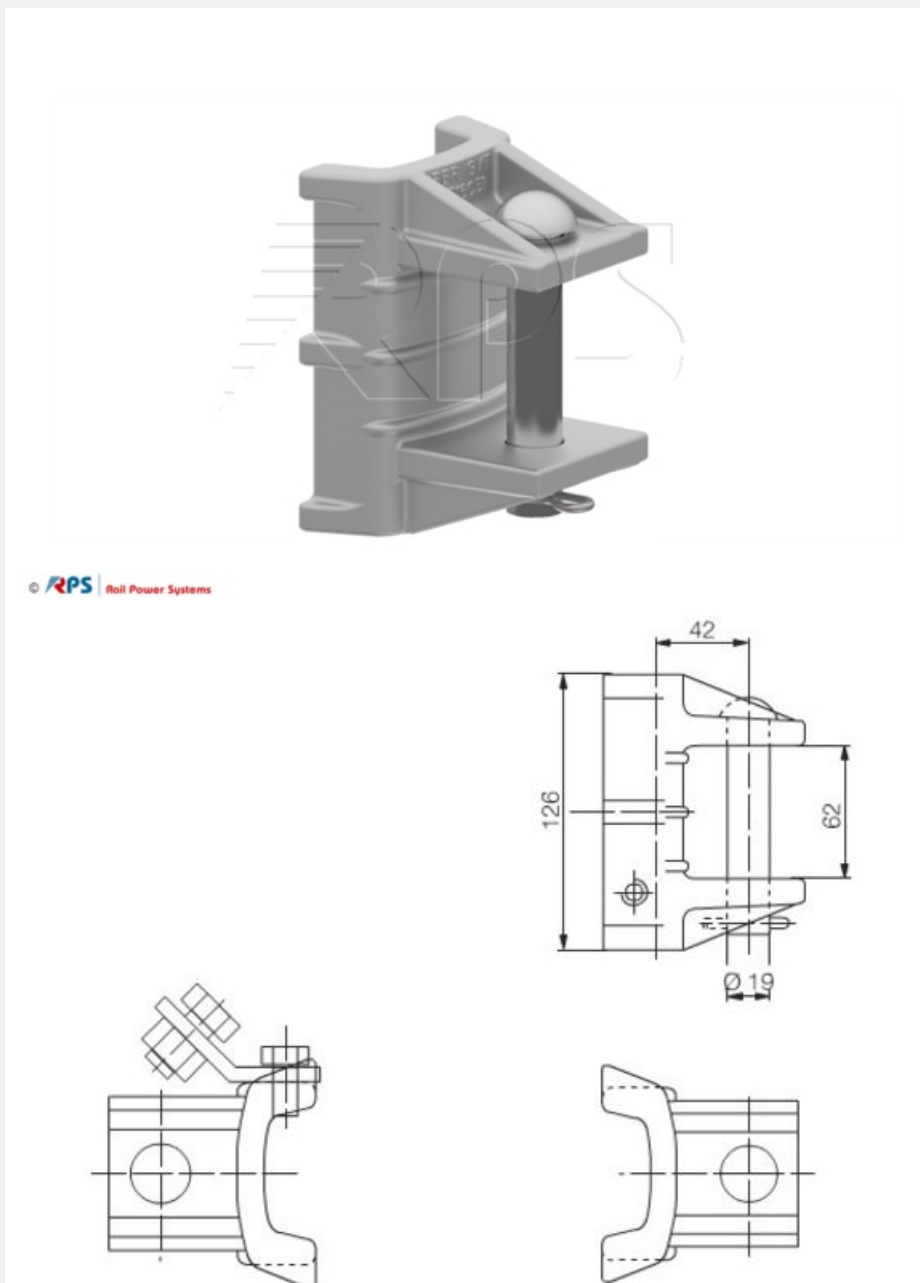
For tubes ø 26, 42 and 55 mm.

Including pin and split pin.



Material-ID	Name	Weight	A	L	Diameter	Nominal Force	Pipe Diameter	Drawing Number
3EGF001340	Gelenkstück	0,26 kg	40 mm	97 mm	G 3/4 mm	80 kN	26 mm	Ebs 05.98.43 a und Ebs 05.96.12

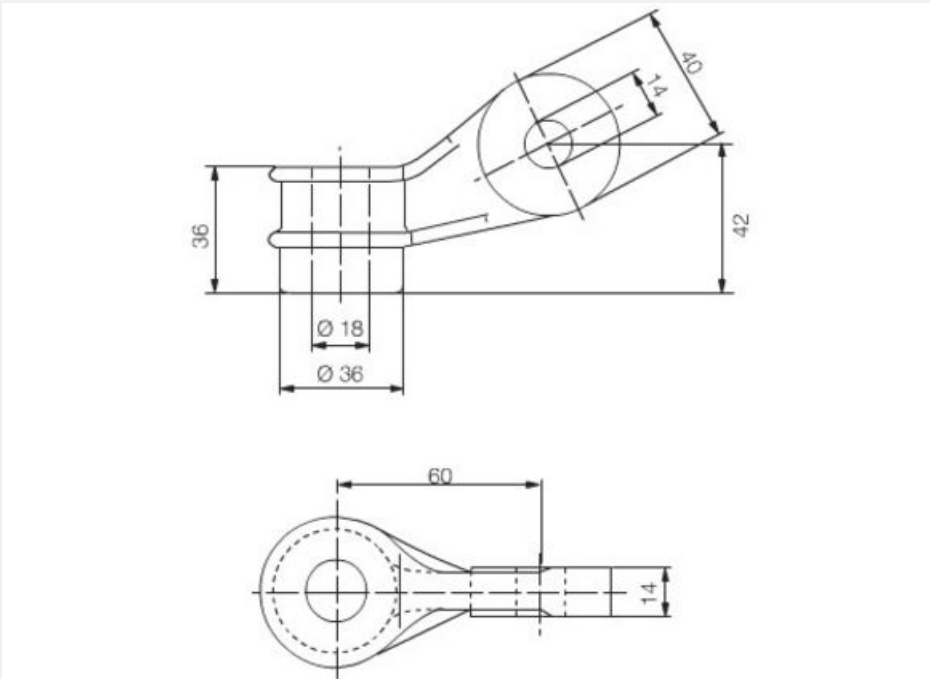
Cantilever pole bracket (mounting)



Material-ID	Name	Weight	Nominal Force	Build Type	Drawing Number
3EGF006882	Gelenkbock-Befestigung	1,05 kg	40 kN	with ground contact	GVT4516467 BL12

Linkplate for double clip

add-on part for double clamp 3EGF006237

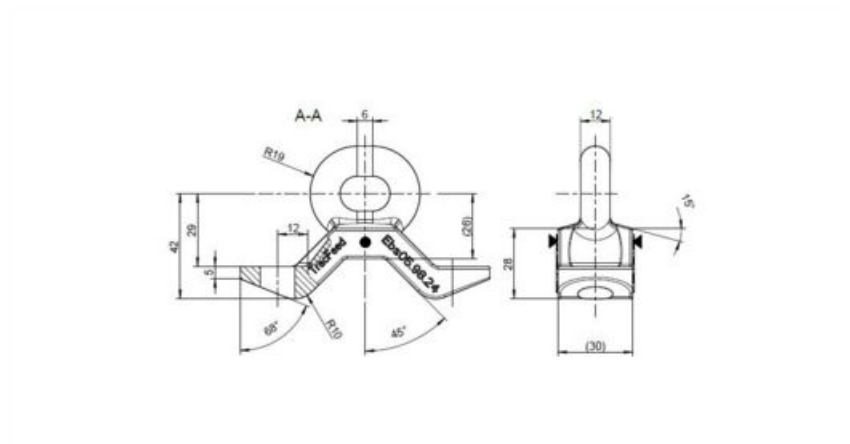


Material-ID	Weight	Nominal Force	Drawing Number
3EGF006809	0,14 kg	10 kN	GVT3516318

Eye clamp



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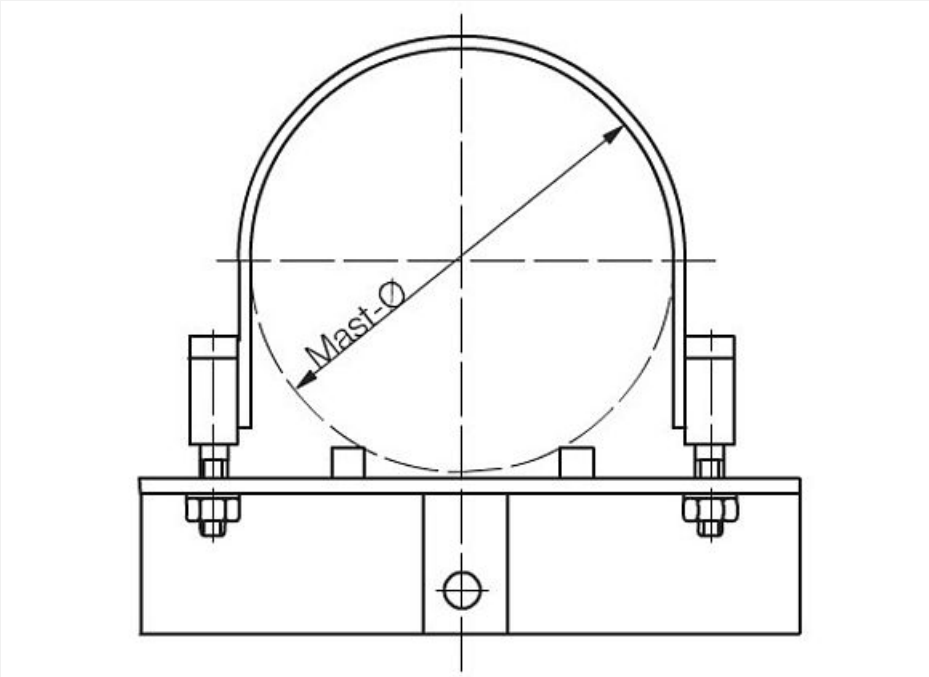


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Material-ID	Name	Weight	Pipe Diameter	Drawing Number
3EGF001456	Ösenschelle	0,11 kg	42-55 mm	EBS05.98.24

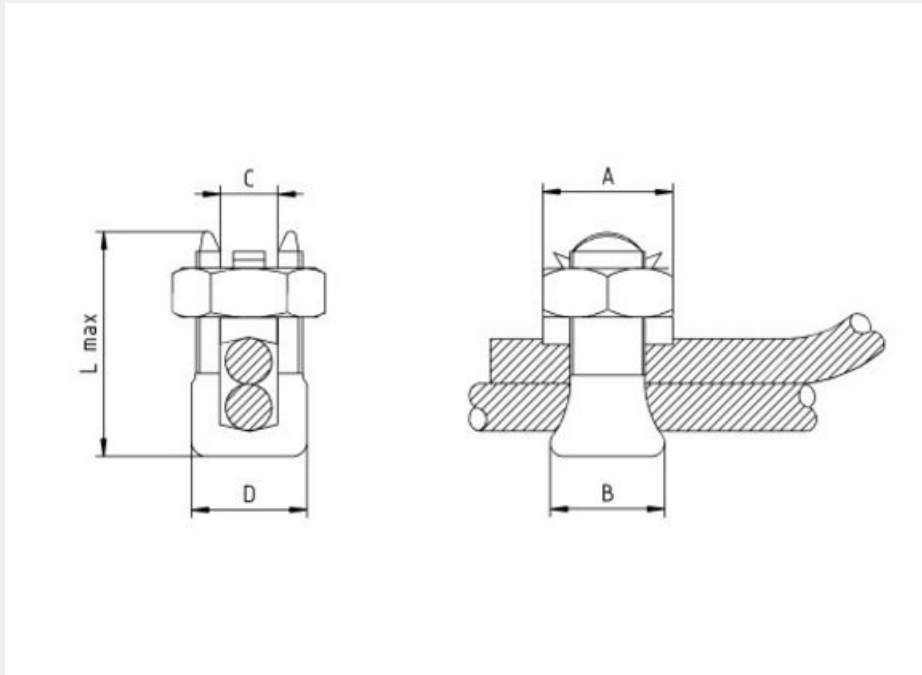
Cantilever pole bracket

for round mast Ø 140 - 800 mm



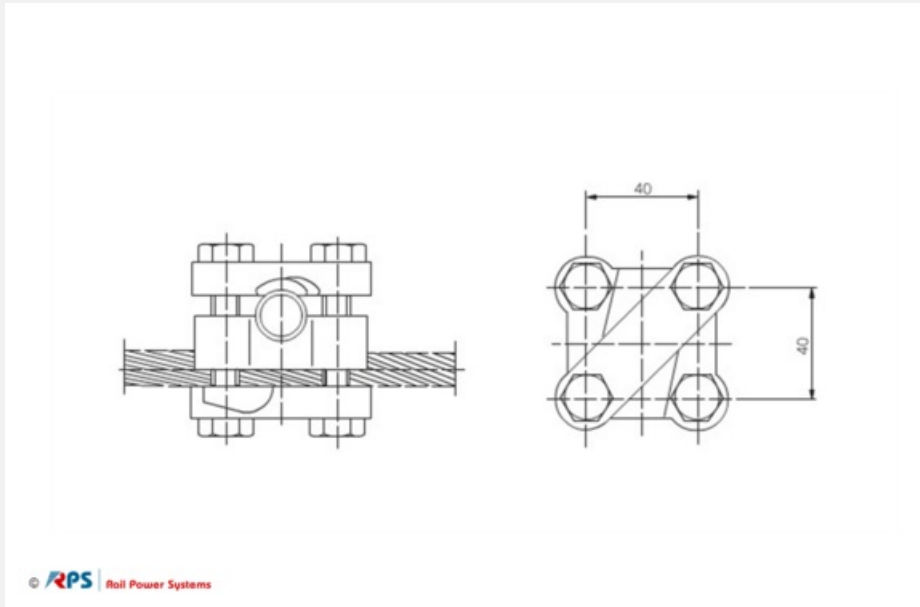
Material-ID	Nominal Force	Drawing Number
3EGF011346	60 kN	GVT4516467 BL8
3EGF008093	75 kN	GVT4516467

Slot clamp for wires and cables



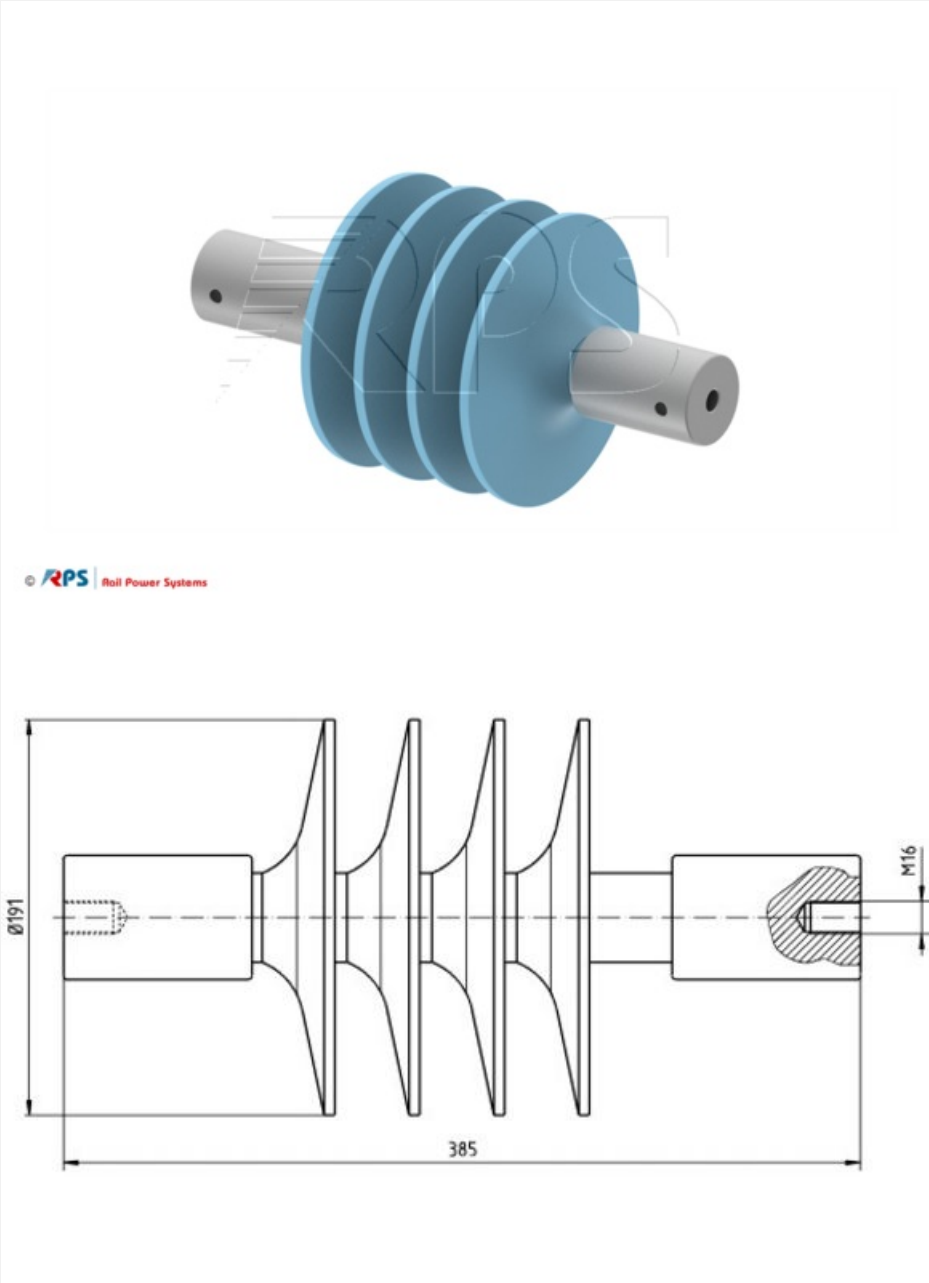
Material-ID	A	B	C	L	Diameter	Wire Qmin	Wire Qmax	Drawing Number
3EGF014519	13 mm	11 mm	4 mm	22 mm	10 mm	6 mm ²	10 mm ²	3EGF009301Z4193
3EGF014520	16 mm	15 mm	4 mm	30 mm	11 mm	10 mm ²	10 mm ²	3EGF009301Z4193
3EGF014525	27 mm	23 mm	11 mm	49 mm	21 mm	35 mm ²	70 mm ²	3EGF009301Z4193
3EGF014526	35 mm	25 mm	14 mm	52 mm	30 mm	50 mm ²	95 mm ²	3EGF009301Z4193
3EGF014527	35 mm	25 mm	15 mm	56 mm	32 mm	50 mm ²	120 mm ²	3EGF009301Z4193
3EGF014528	43 mm	32 mm	18 mm	66 mm	36 mm	70 mm ²	185 mm ²	3EGF009301Z4193
3EGF014529	46 mm	33 mm	22 mm	72 mm	38 mm	70 mm ²	240 mm ²	3EGF009301Z4193
3EGF014530	59 mm	45 mm	26 mm	89 mm	49 mm	120 mm ²	300 mm ²	3EGF009301Z4193
3EGF014531	65 mm	53 mm	28 mm	99 mm	56 mm	150 mm ²	500 mm ²	3EGF009301Z4193
3EGF014532	13 mm	11 mm	4 mm	22 mm	10 mm	4 mm ²	6 mm ²	3EGF009301Z4193

Crossing clamp



Material-ID	Name	Weight	Rope Q	Drawing Number
3EGF011695	Crossing clamp	1,20 kg	35-95f mm ²	GVT3516521 3
3EGF011696	Crossing clamp	1,20 kg	35-120f mm ²	GVT3516521 4
3EGF011698	Crossing clamp	1,20 kg	50-70f mm ²	GVT3516521 6
3EGF006925	Crossing clamp	1,20 kg	150-120f mm ²	GVT3516521 25
3EGF006928	Crossing clamp	1,20 kg	120-50f mm ²	GVT3516521 18
3EGF006929	Crossing clamp	1,20 kg	120-120f mm ²	GVT3516521 21
3EGF010751	Crossing clamp	1,20 kg	150-95f mm ²	GVT3516521 24
3EGF008416	Crossing clamp	1,20 kg	95-70f mm ²	GVT3516521 15
3EGF009514	Crossing clamp	1,20 kg	120-95f mm ²	GVT3516521 20

Silicon Insulator 25kV

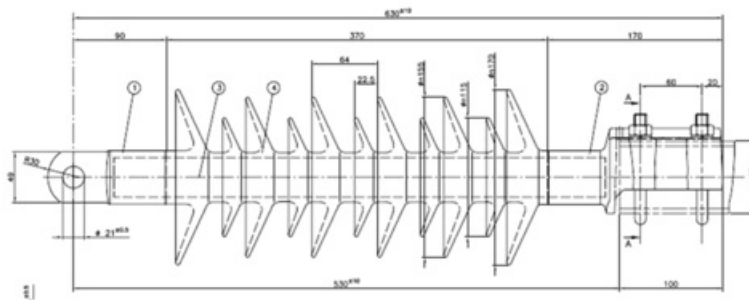


Material-ID	Creepage Path	Weight	Drawing Number
3EGF012030	920 mm	5,1 kg	3EGF001200Z3123

Insulator kV Type 1-8



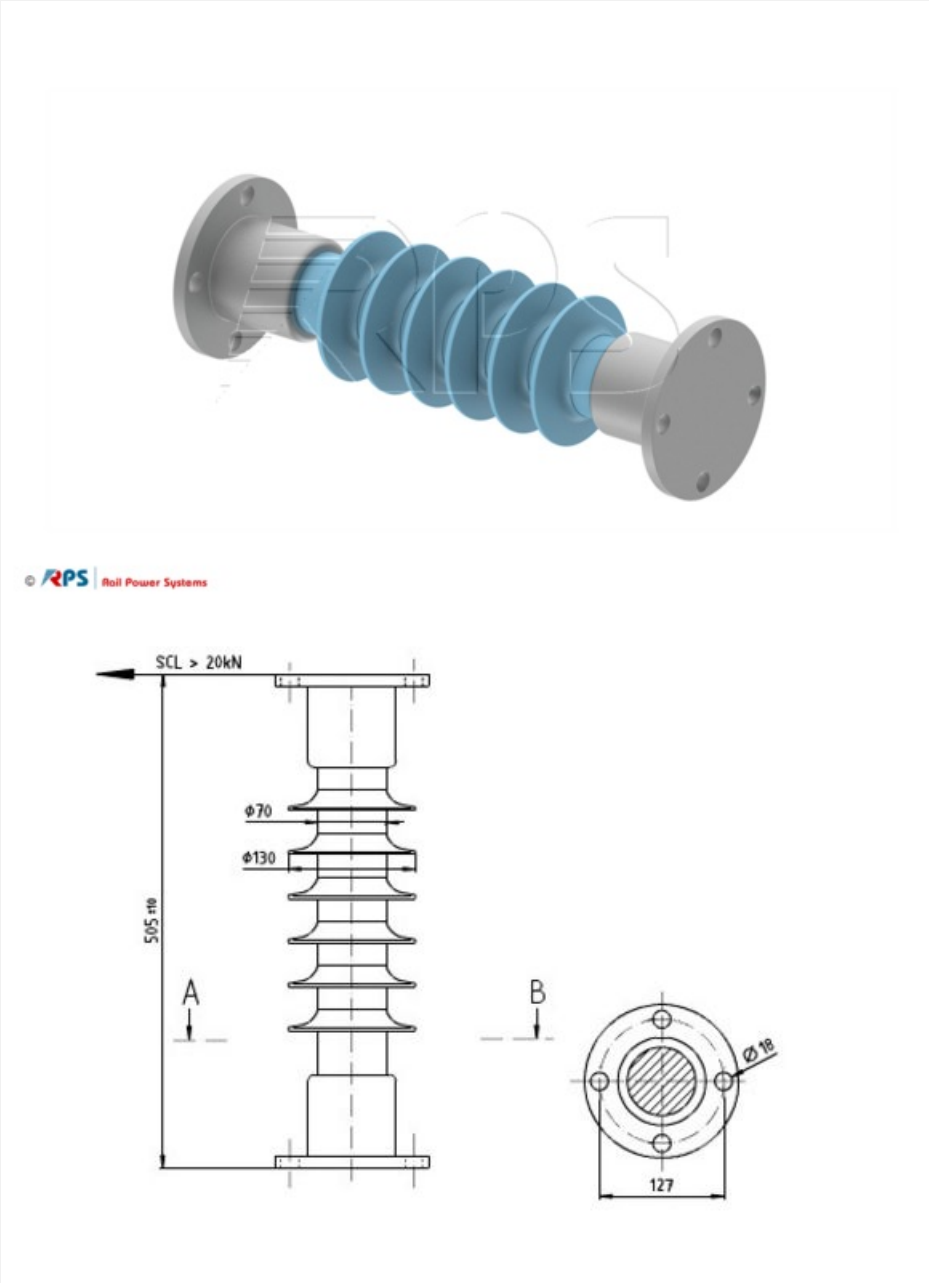
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Material-ID	Name	Creepage Path	Weight	Nominal Force	Build Type	Drawing Number
3EGF015349	Isolator 25 kV	1275 mm		50 kN	Typ 1	3EGF010790Z3123
3EGF015350	Isolator 25 kV	1275 mm		50 kN	Typ 2	3EGF010790Z3123
3EGF018098	Isolator 25 kV	1270 mm	3,054 kg	160 kN	Typ 3	3EGF010790Z3122
3EGF015352	Isolator 25 kV	1260 mm		70 kN	Typ 4	3EGF010790Z3122
3EGF017194	Isolator 25 kV	1275 mm		50 kN	Typ 5	3EGF010790Z3122
3EGF017195	Isolator 25 kV	1275 mm		50 kN	Typ 6	3EGF010790Z3122

Composite insulator 15kV



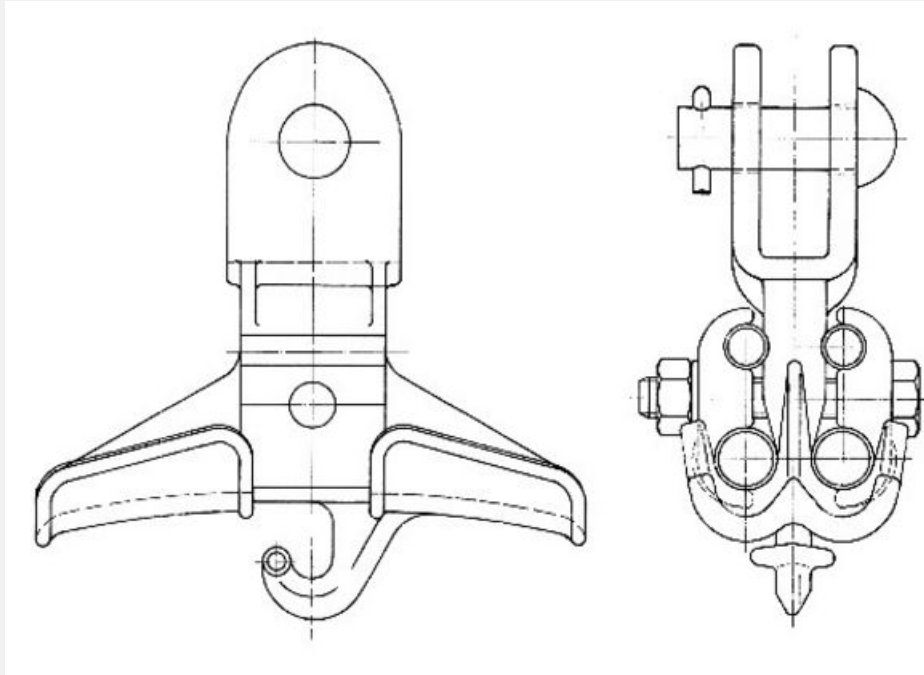
Material-ID	Creepage Path	Weight	Drawing Number
3EGF013366	615 mm	12,1 kg	3EGF005589Z2124

Silicon insulator 15 kV



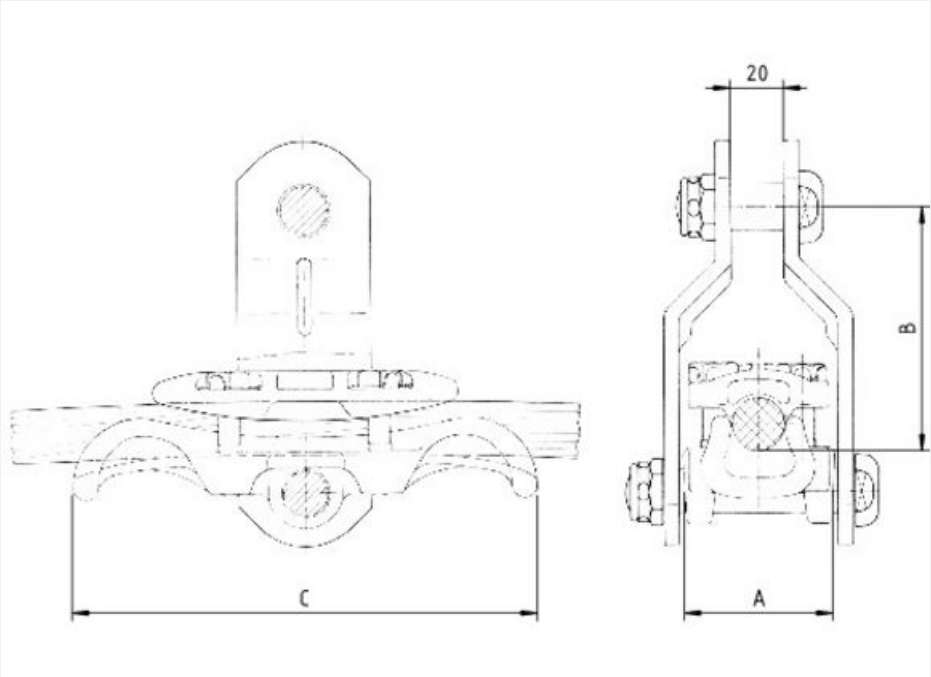
Material-ID	Name	Rated impulse withstand voltage	Creepage Path	Weight	Drawing Number
3EGF013376	Isolator	25 kV kV	700 mm	4,58 kg	3EGF005033Z7523

Messenger wire clamp



Material-ID	Weight	Nominal Force	Track Rope	Drawing Number
3EGF011624	0,8 kg	25 kN	120 mm ²	GVT2516055 G

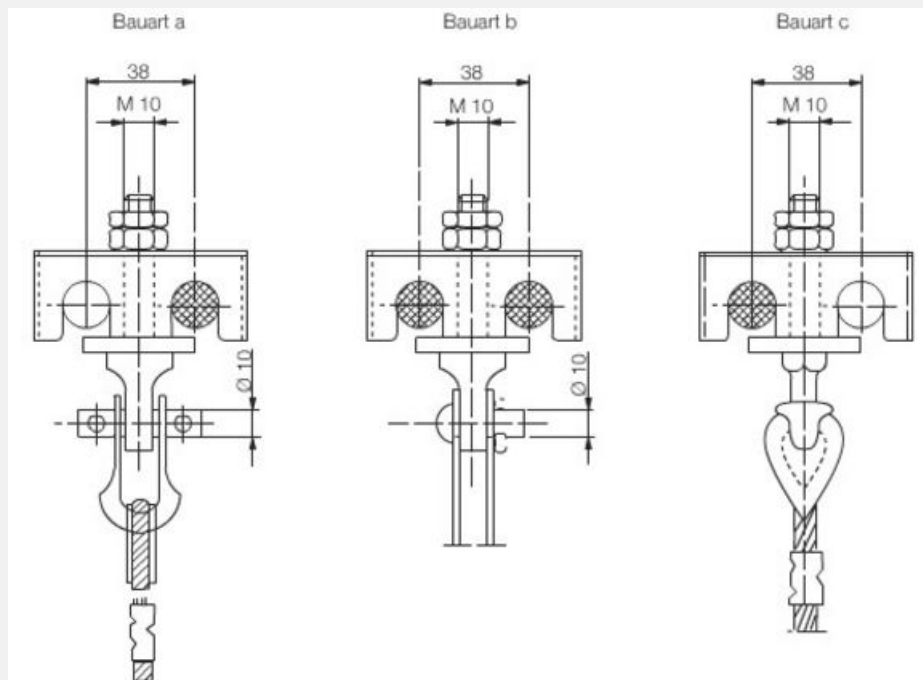
Support clamp



Material-ID	Name	Weight	A	B	C	Rope Q	Rope Diameter	Drawing Number
3EGF011685	Suspension clamp	3,9 kg	82 mm	150 mm	290 mm	625 - Al mm²	32,6 mm	GVT4501142 B
3EGF011686	Suspension clamp	2,6 kg	64 mm	150 mm	220 mm	300 - Cu mm²	22,5 mm	GVT4501142 C

Sliding dropper A

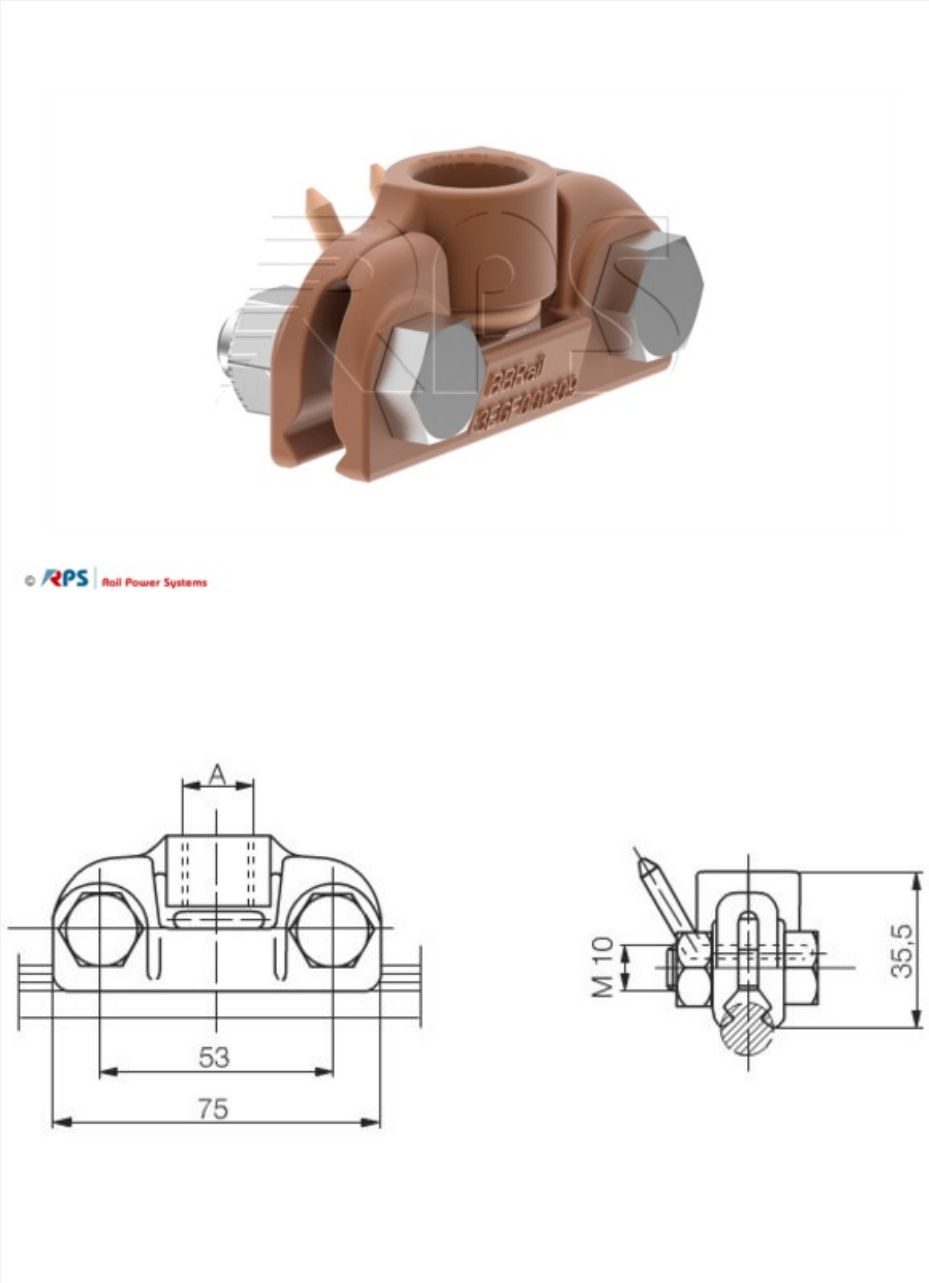
with plastic sliding insert, for two messenger wires up to 150



Material-ID	Build Type	Weight	Drawing Number
3EGF011692	a) with suspension shackle	0,12 kg	GVT3516529 I
3EGF008414	b) with eye-bolt	0,12 kg	GVT3506256 II
3EGF006109	c) with Thimble Hook	0,13 kg	GVT3506256 I

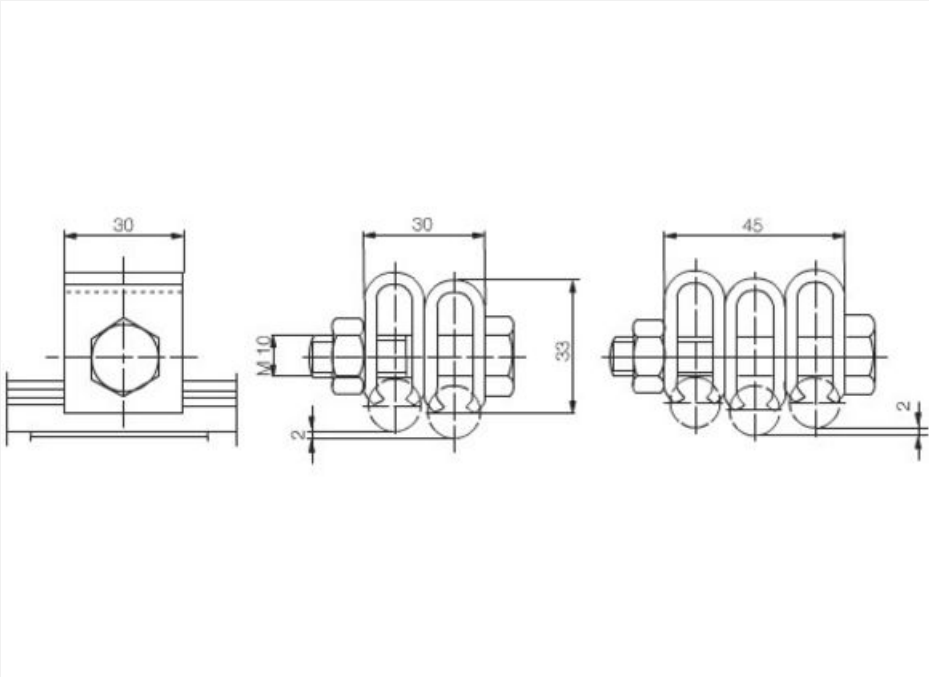
Contact wire clamp A

for contact wire type AC-80 to AC-150



Material-ID	Build Type	Weight	Nominal Force	A	Drawing Number
3EGF001305	with shackle split pin	0,29 kg	7,5 kN	ø16 mm	Ebs 05.95.06
3EGF013200	with shackle split pin	0,25 kg	9 kN	ø16 mm	3EGF006884Z3163

Twin contact wire clamp B K282857

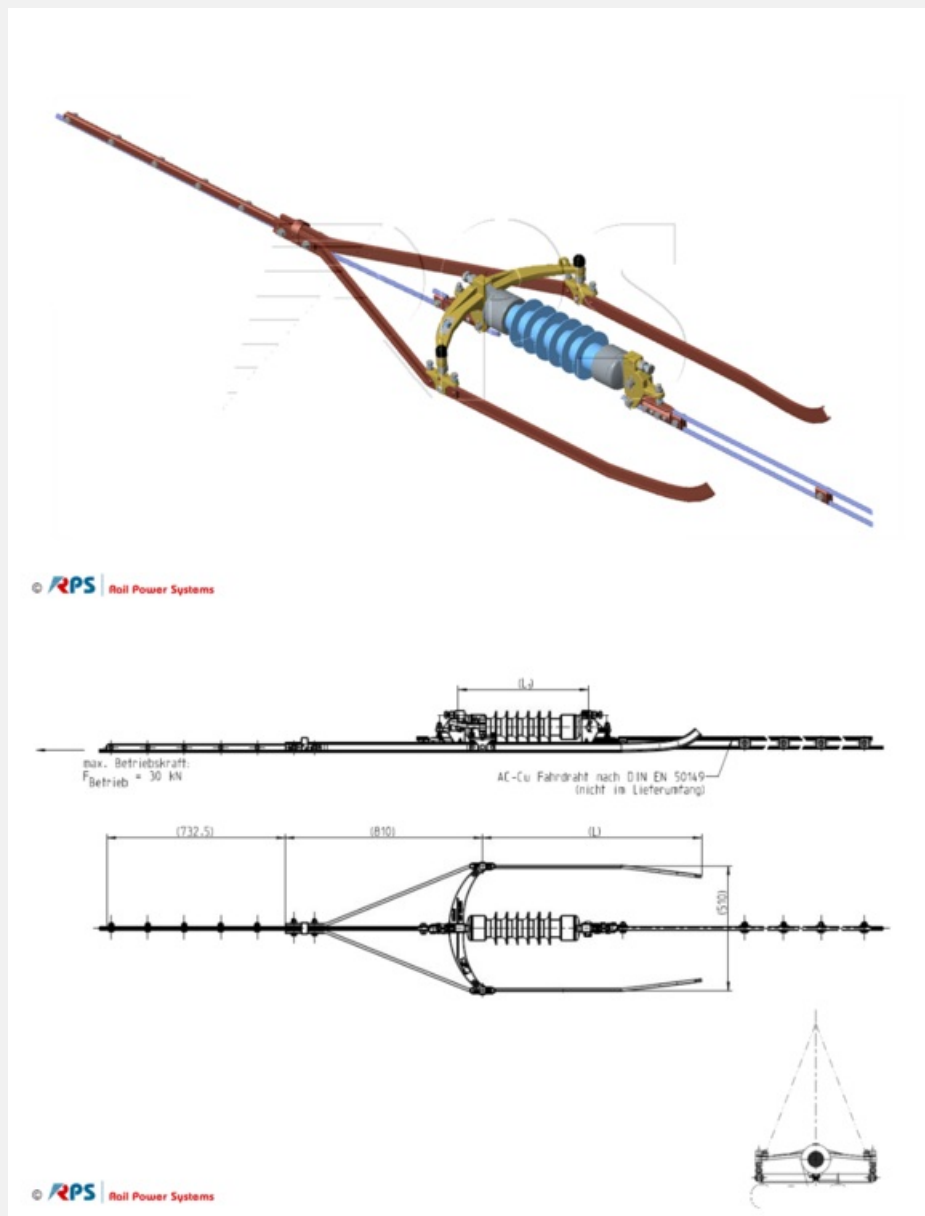


Material-ID	Build Type	Weight	Drawing Number
3EGF008227	2 twin contact wire	0,22 kg	K282857 IV

Section Insulator 25kV

Section Insulator 25kV

with Contact Wire reinforcement



Material-ID

3EGF010705

3EGF010706

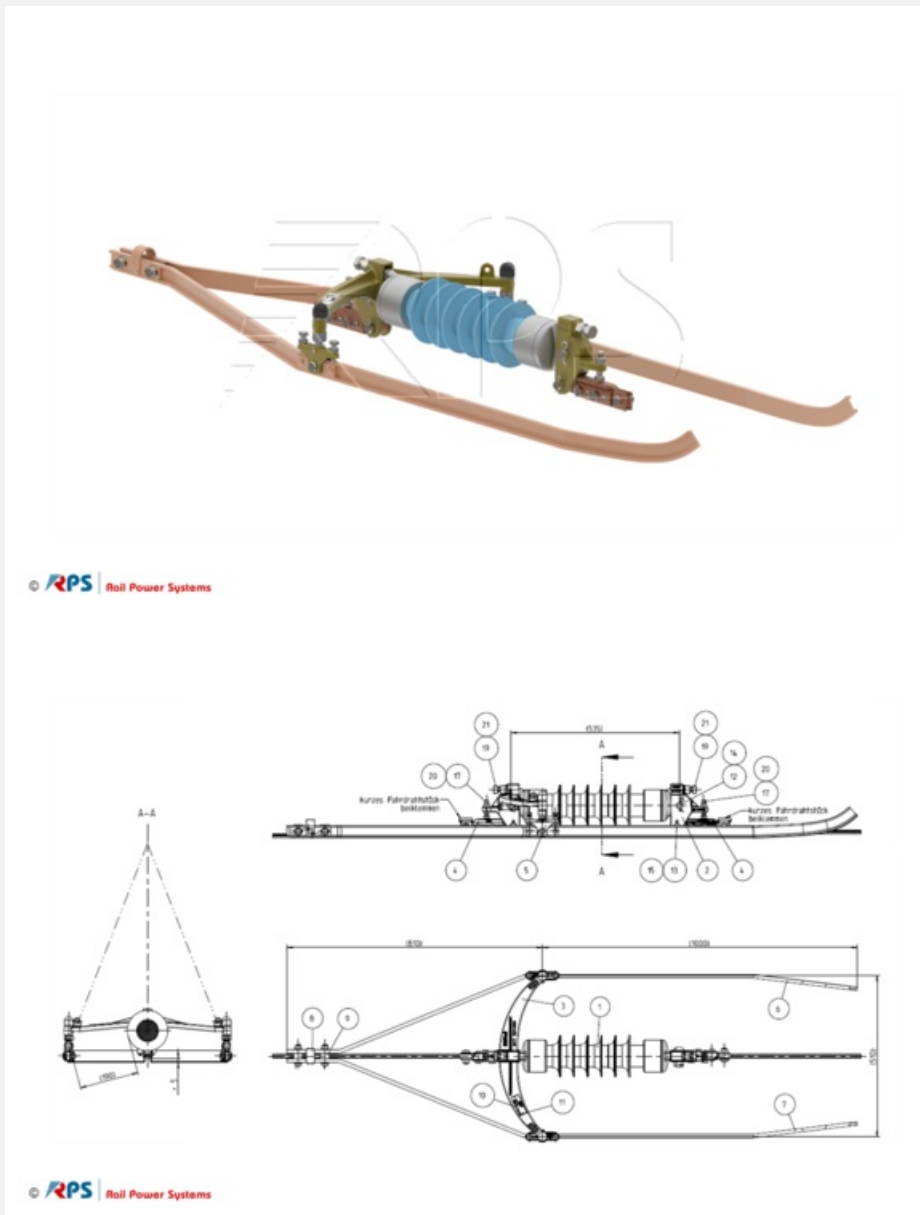
3EGF010708

Section insulator 25kV with composite insulator and runners

For grooved contact wires type AC-100 and AC-120.

With composite insulator.

Max. speed 200 km/h.

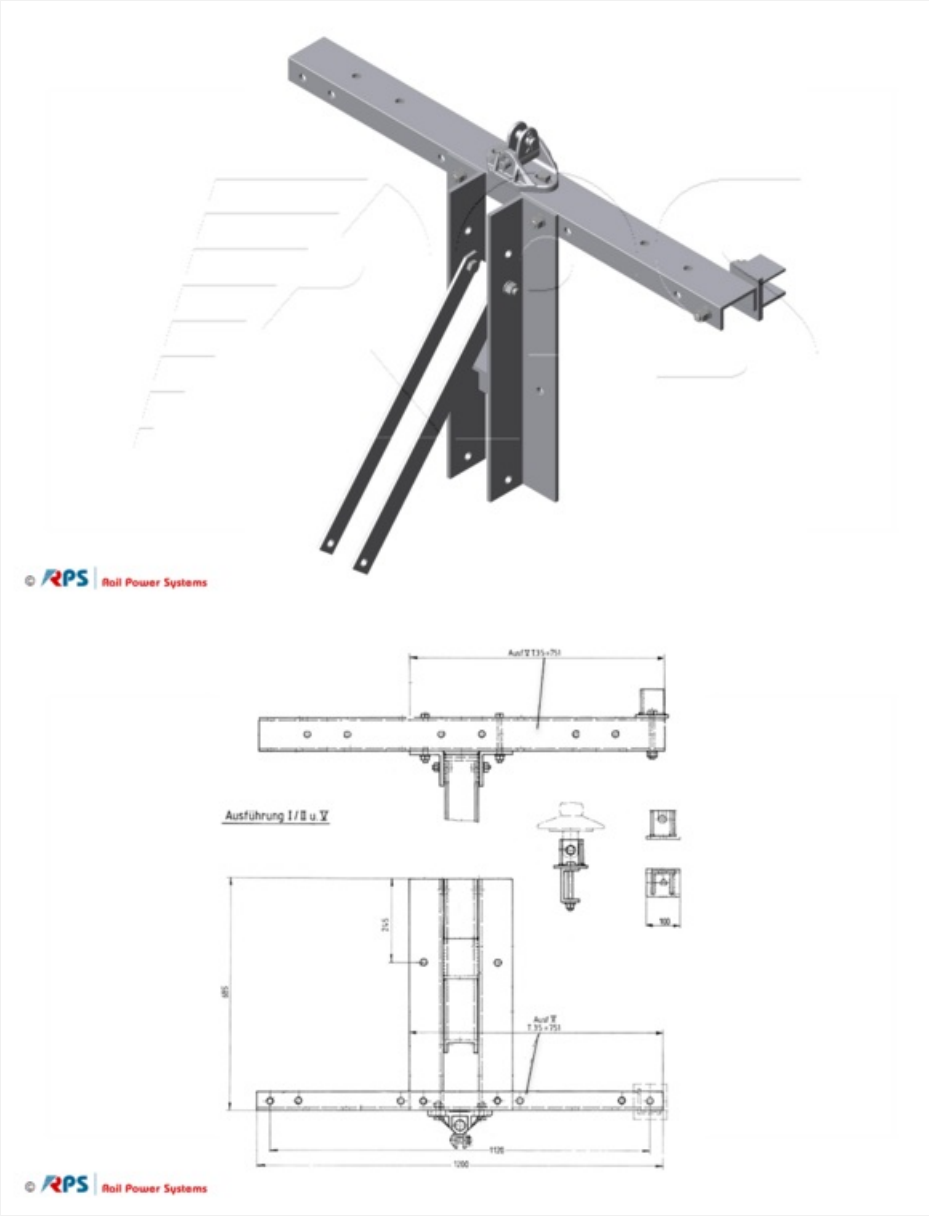


Material-ID	Name	Rated impulse withstand voltage	Creepage Path	Weight	L	Build Type	Nominal Force	Drawing Number
3EGF010805	Streckentrenner	25 kV	600 mm	28,5 kg	1000 mm	Befahrgeschwindigkeit 130km/h	90 kN	000180Z3132 b
3EGF010806	Section insulator	25 kV	760 mm	30,0 kg	1000 mm	operating speed 130 km/h	90 kN	3EGF026328Z3131

Composite insulator with caps 1,5kV

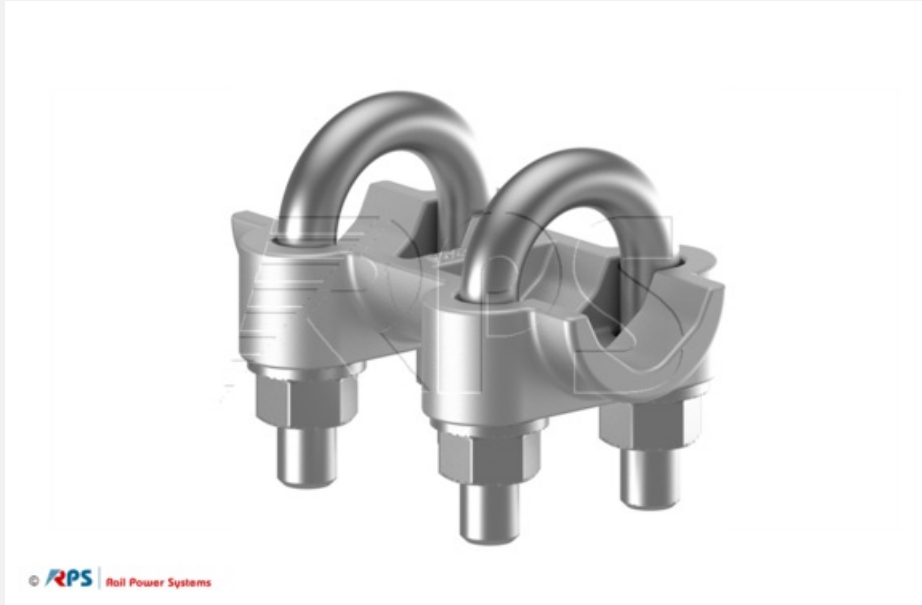
Traverse at concrete pole, technical design II

At concrete mast.



Material-ID	Name	Weight	Nominal Force	L	Diameter	Drawing Number
3EGF007109	Traverse Einfachausleger am Rundmast	24,20 kg	in Klärung kN	1 mm	1 mm	GVT 1518340 II

Clamp body



Material-ID	Name	Weight	Drawing Number
3EGF019004	Klemmkörper	0,5 kg	3EGF022368Z2143

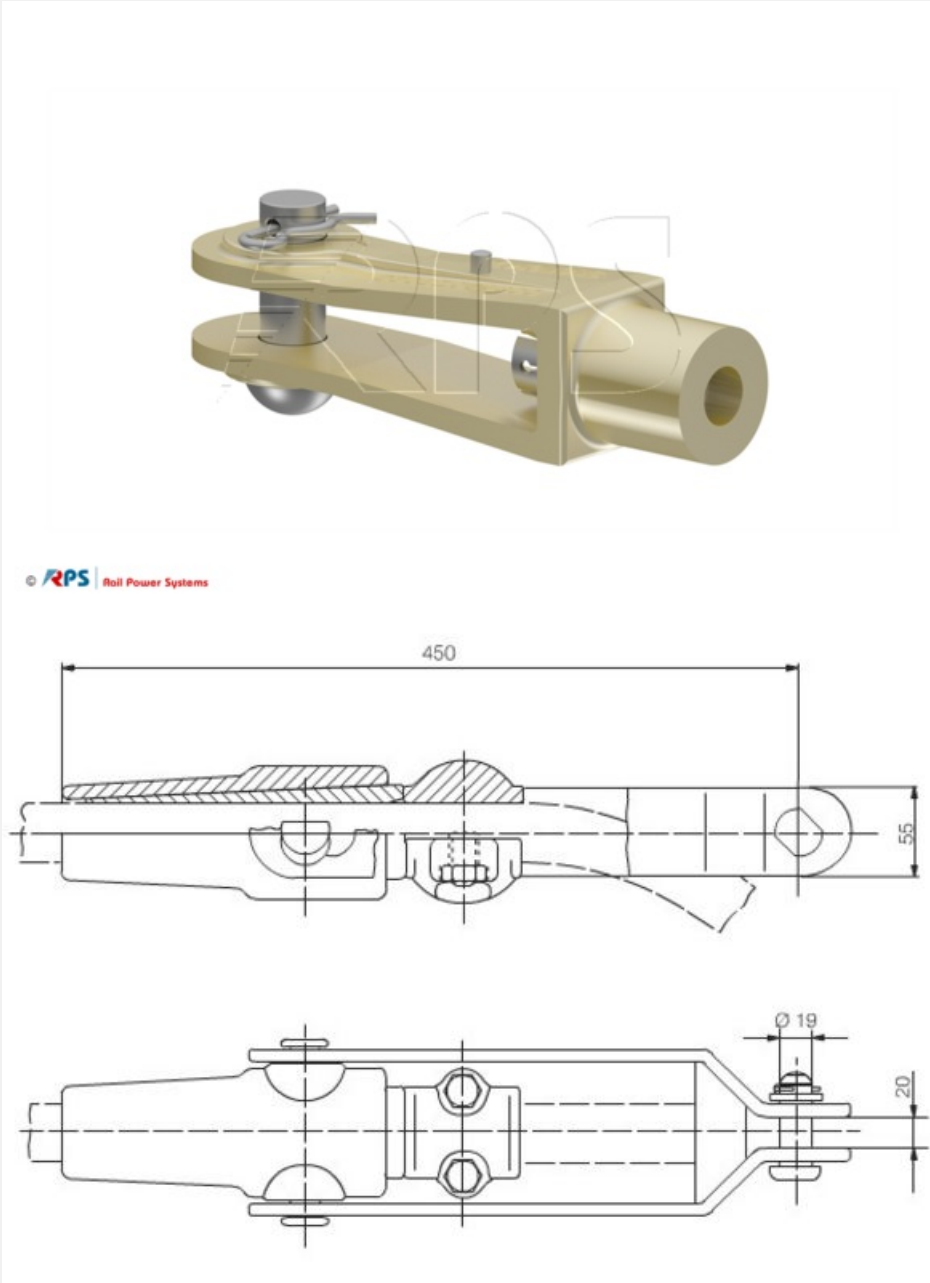
Clevis



Material-ID	Name	Weight	Drawing Number
3EGF018996	Clevis	0,4 kg	3EGF022180Z2K13

cone-type dead-end clamp

for aluminium feeder wire. Material body/ shackle - Al/ St.



Material-ID	Weight	Nominal Force	Rope Q	L	Diameter	Drawing Number
3EGF002624	4,5 kg	150 kN	625 - E-Al mm²	1 mm	1 mm	Ebs 16.02.02 a

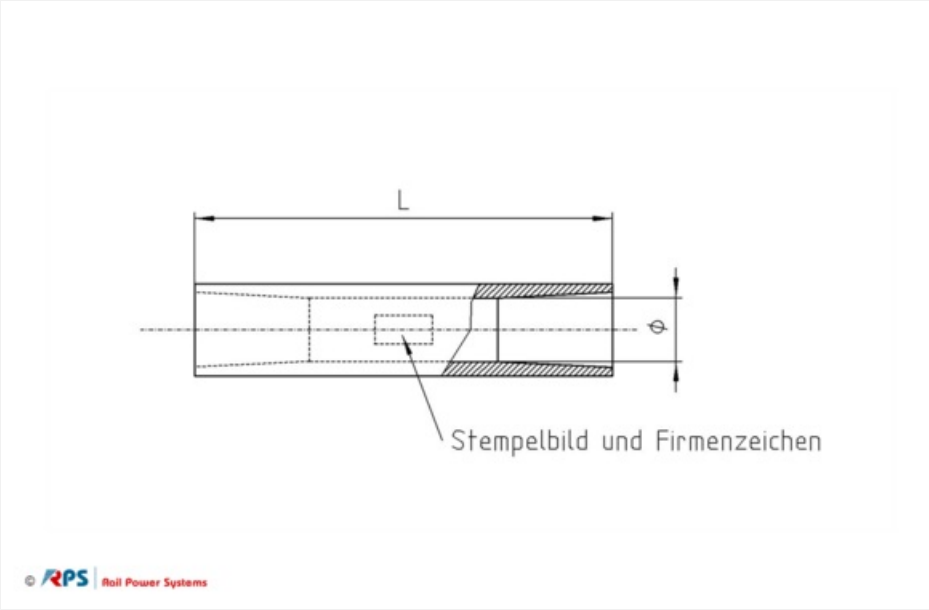
eye end fitting



Material-ID	Name	Weight	Drawing Number
3EGF019002	Eye end fitting	0,4 kg	3EGF022179Z2K13
3EGF018999	Hinge joint	0,4 kg	3EGF022174Z2K13

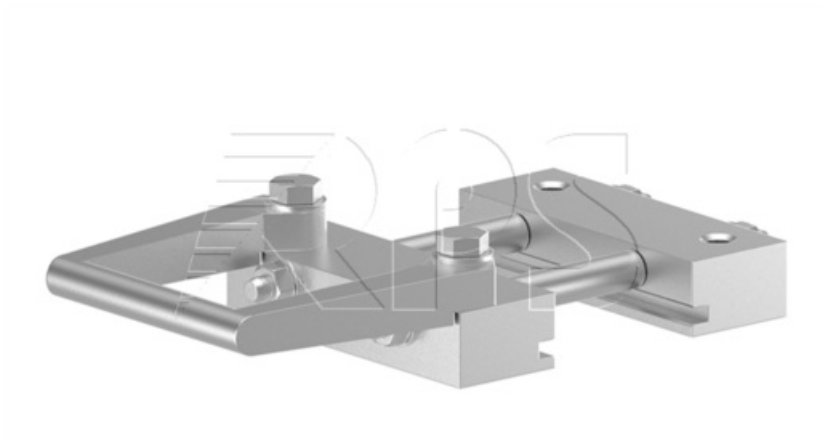
Crimp connector

For joint connections of wires.

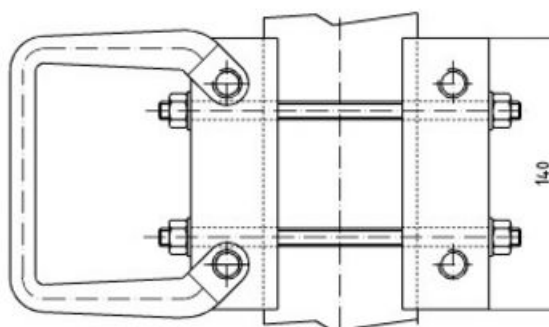
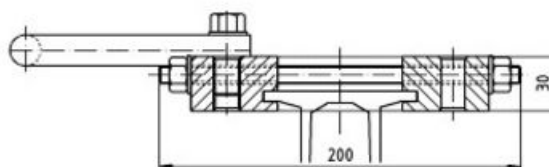


Material-ID	Name	Weight	Rope Q	L	Diameter	A	Drawing Number
3EGF008411	Pressverbinder	2,25 kg	150 mm²	160 mm	16,5 mm	1 mm	GVT4501116
3EGF005580		0,5 kg	185/30 mm²	410 mm	20,5 mm		GVT4501116

Profile clamp OSS



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Material-ID	Name	Weight	Drawing Number
3EGF013363			3EGF004238Z7523
3EGF017643	OSS profile clamp	1,3 kg	3EGF004238Z7523/b

Mast insulator up to 3kV

TracFeed® SFA Schalterferntrieb

Potential-free indicator contacts

Pivot lever lock

Door opener contact

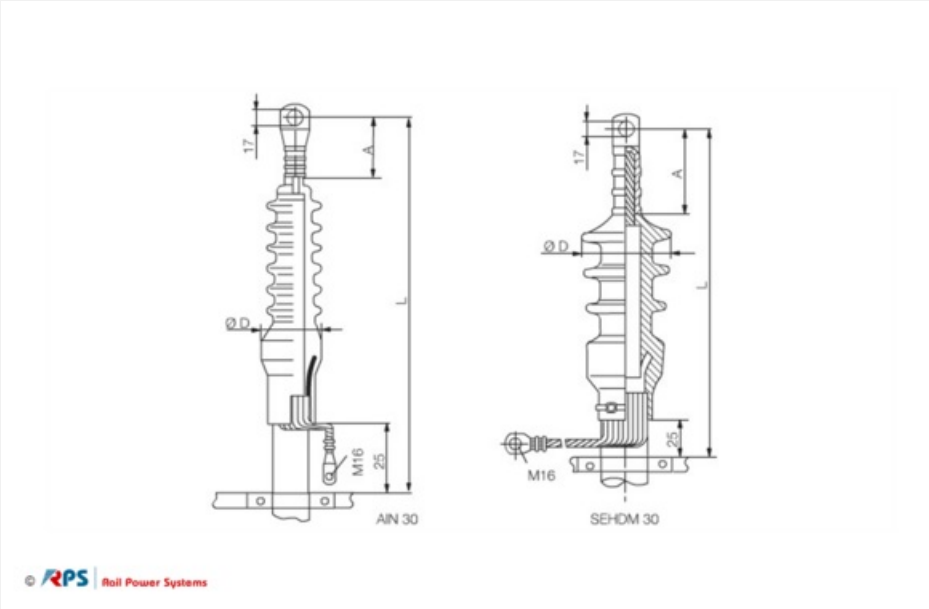
Operating mode selector switch ON – DISABLED

DB-Version



Material-ID	Name	Build Type	Weight	Drawing Number
3EGF018160	Schalterferntrieb	1.13	31,0 kg	Ebs 09.12.02 Bl.1 und 2
3EGF018180	Schalterferntrieb	1.9	31,0 kg	Ebs 09.12.02 Bl.1 und 2

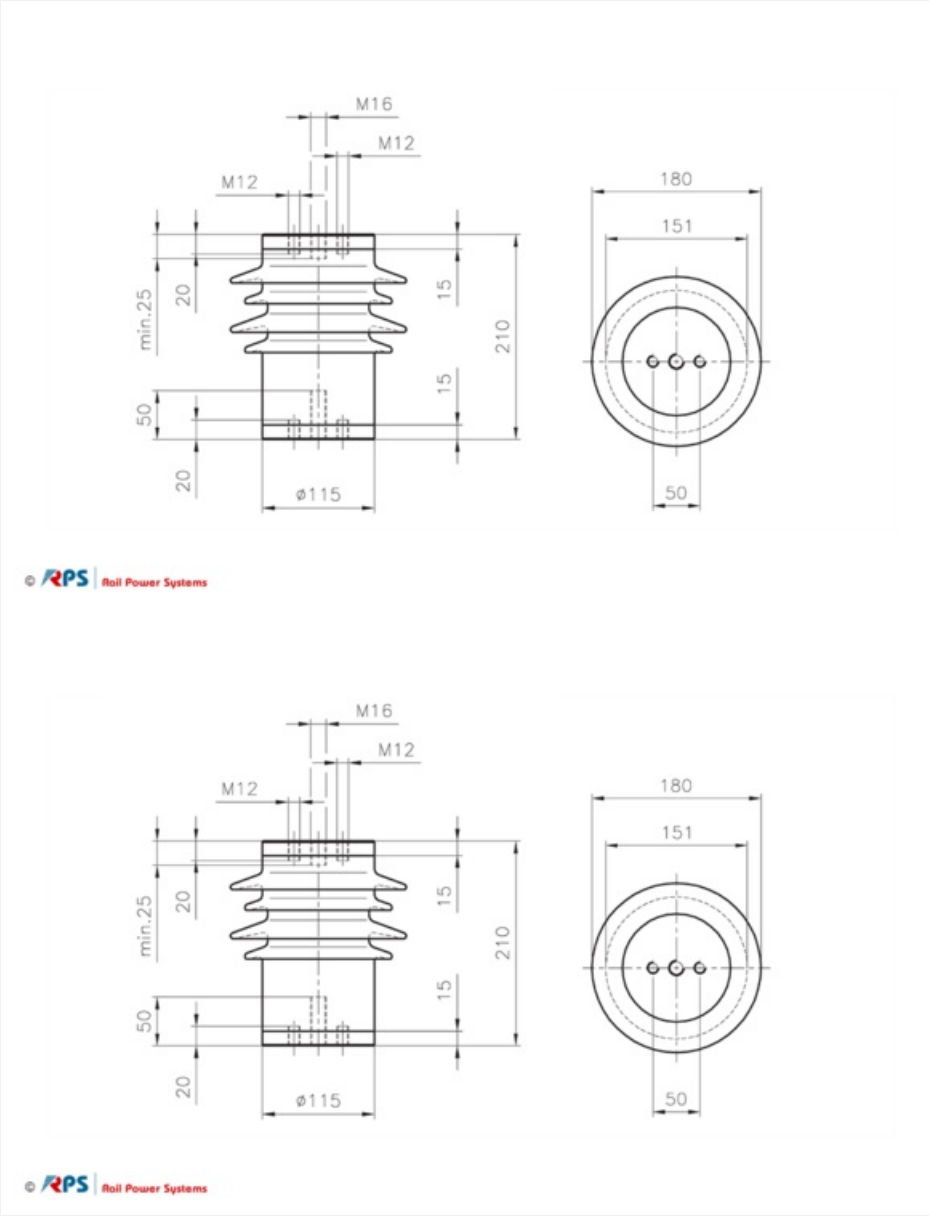
Innenraum-Endverschluß 30kV



Material-ID	Name	Build Type	A	L	Diameter	Wire Size	Drawing Number
3EGF009432	Endverschluß	AIN 30	92 mm	369 mm	83 mm	240	Ebs 09.31.08

Überspannungsableiter

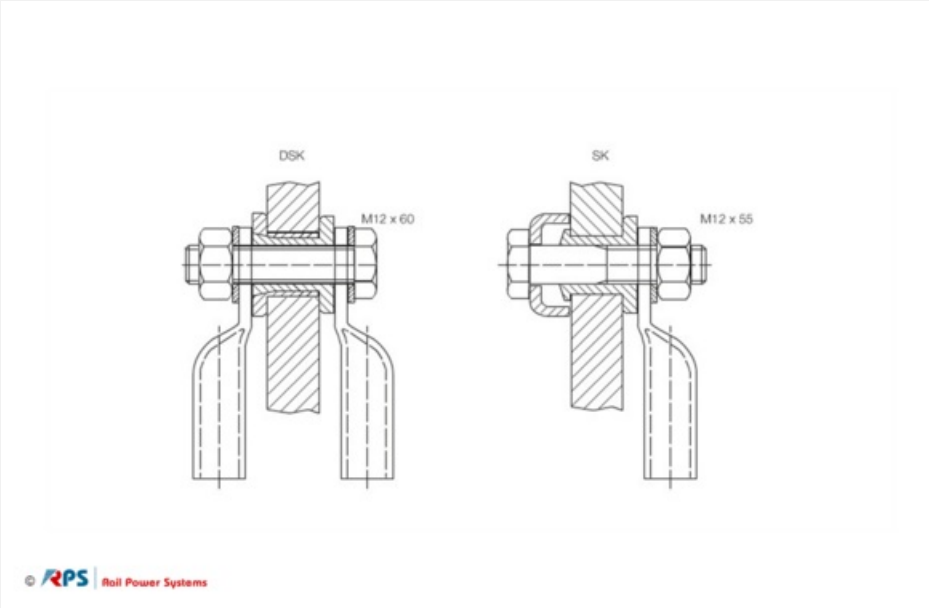
Fadenlänge: 176 mm



Material-ID	Name	Build Type	Weight	Creepage Path	Rated impulse withstand voltage	Drawing Number
3EGF011719	Überspannungsableiter	POLIM-H 1 ND	6,3 kg	327 mm	2,0 kV	HAWA481453

Schienenkontaktsystem

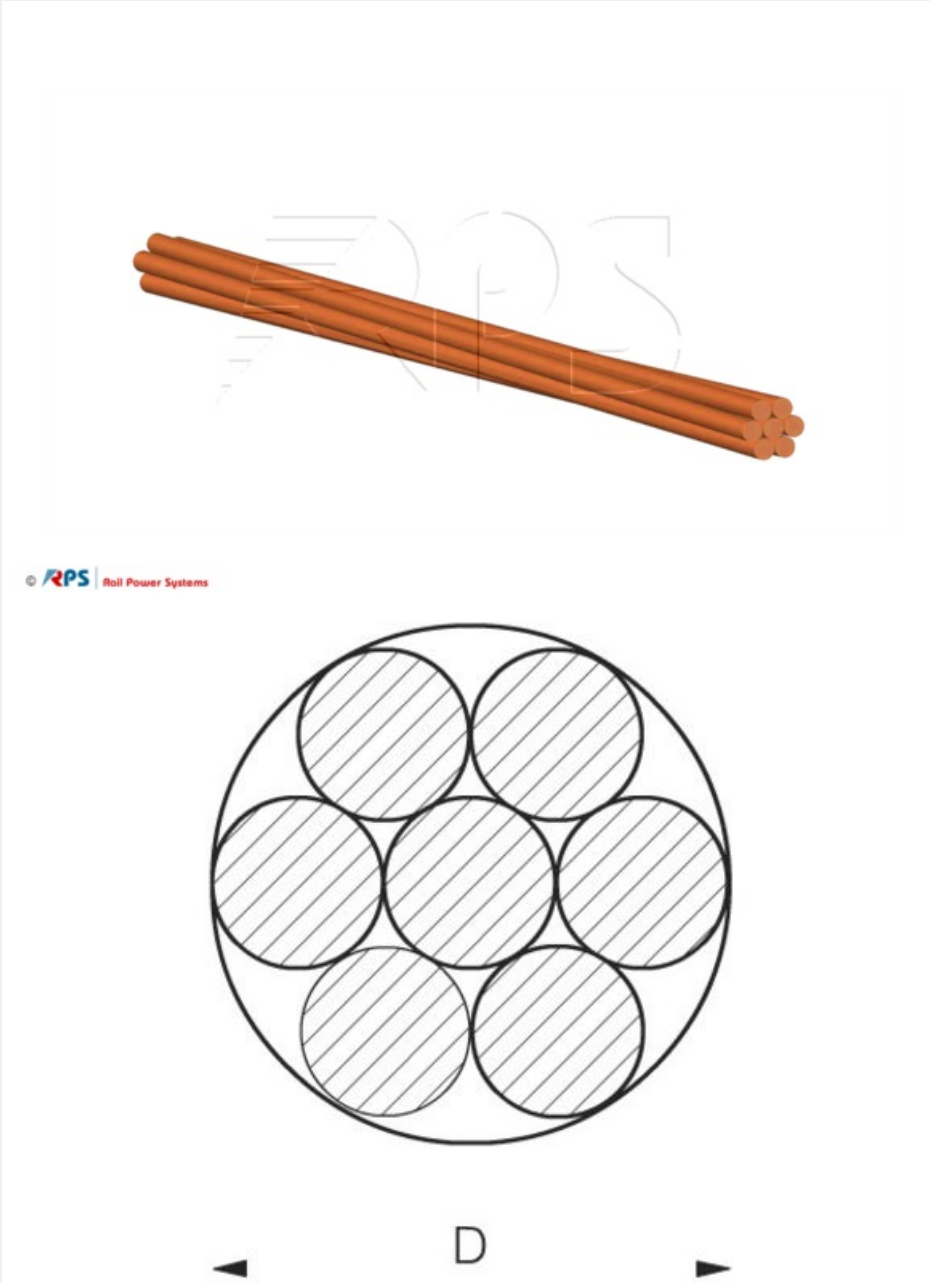
For S 49, S 54, UIC 60 and R 65.



Material-ID	Name	Build Type	Drawing Number
3EGF010877	Schienenkontaktsystem	SK 19/14	Ebs 15.03.23 a Bl. 2
3EGF010878	Schienenkontaktsystem	SK 19/14	Ebs 15.03.23 b Bl. 2
3EGF012468	Schienenkontaktsystem	DSK 19/14-16	Ebs 15.03.23 Bl. 4

Kupferseil (DIN 48 201)

For catenary wire and feeder.

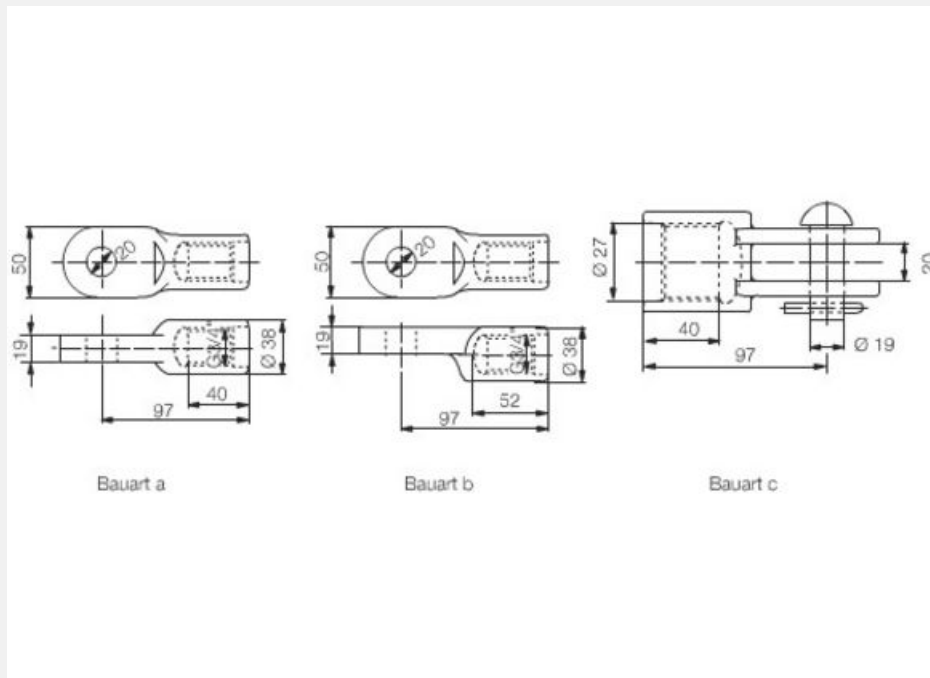


Material-ID	Name	Weight	Diameter	Rope Q	Drawing Number
3EGF002727	Seil	0,310 kg	7,5 mm	35 mm²	DIN 48 201

Rohranschluß

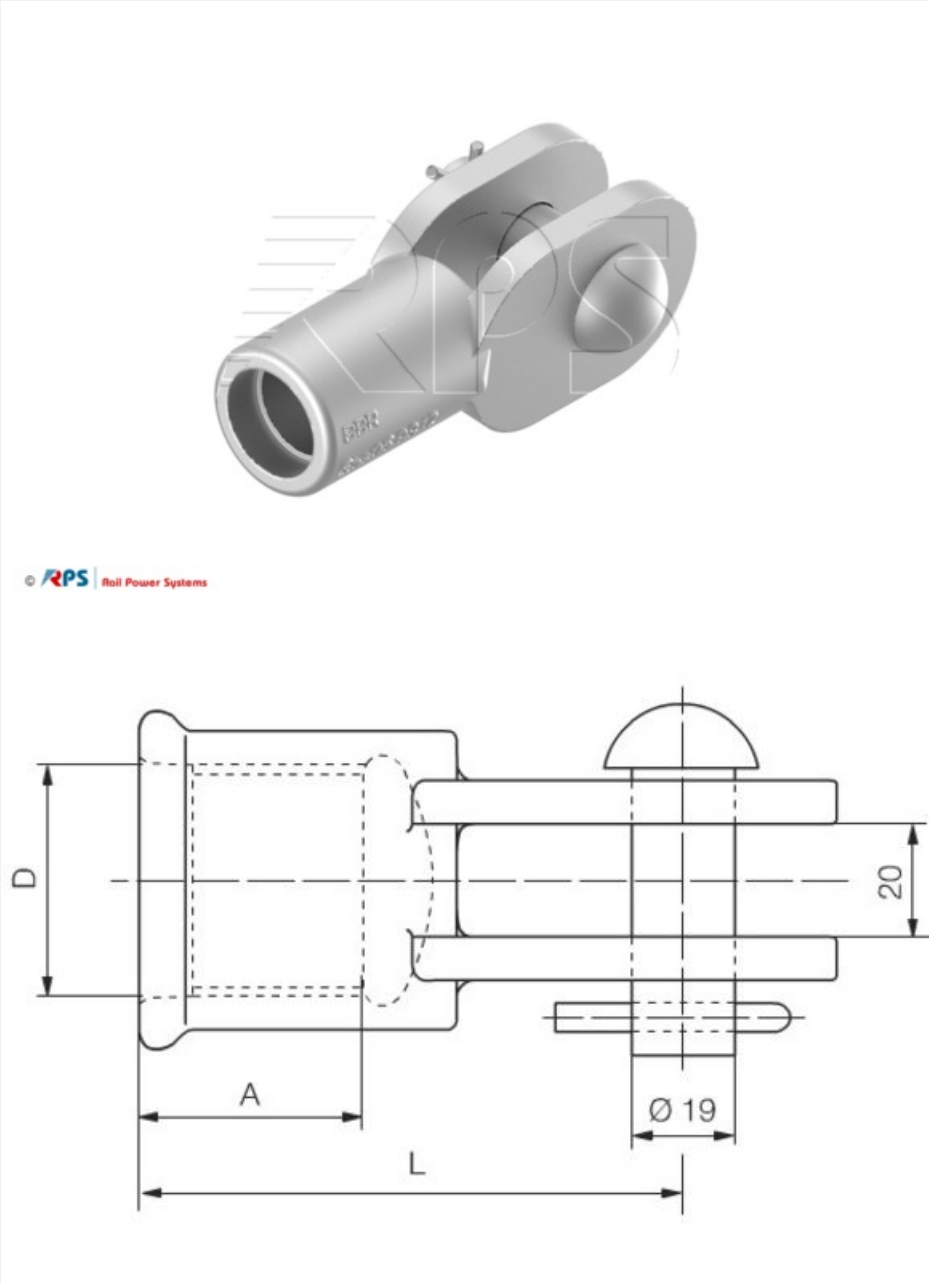
For mast isolator operating rods.

Connection: eye, centric.



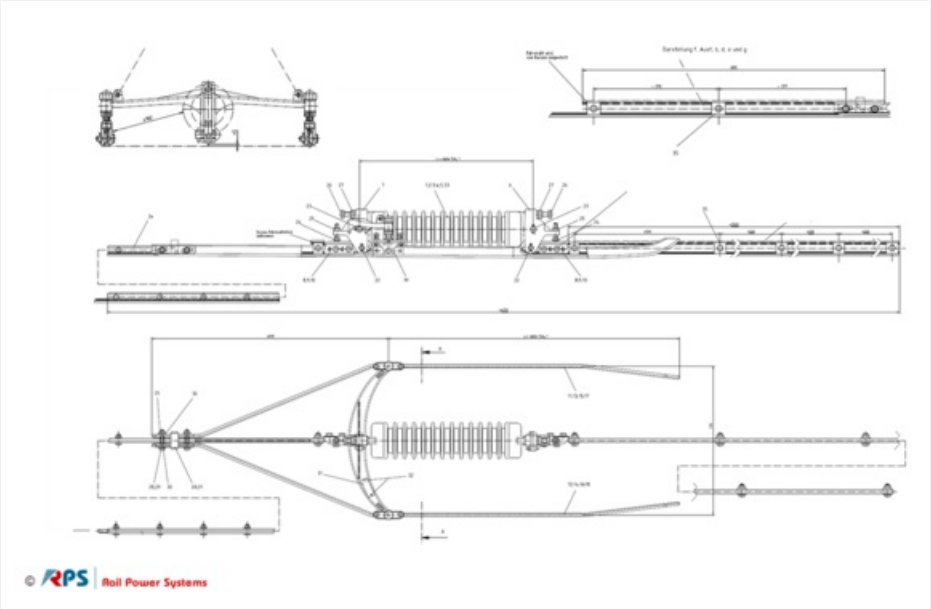
Material-ID	Build Type	Weight	Drawing Number
3EGF001484	a	0,20 kg	Ebs 05.98.43 b
3EGF001485	b	0,20 kg	Ebs 05.98.43 c

Gelenkstück mit Gabel



Material-ID	Name	Weight	A	L	Diameter	Nominal Force	Pipe Diameter	Drawing Number
3EGF001442	Gelenkstück	0,26 kg	40 mm	97 mm	G 3/4 mm	80 kN	26 mm	Ebs 05.98.12

Streckentrenner 25kV_mit Porzellanisolator und Schleifkufen



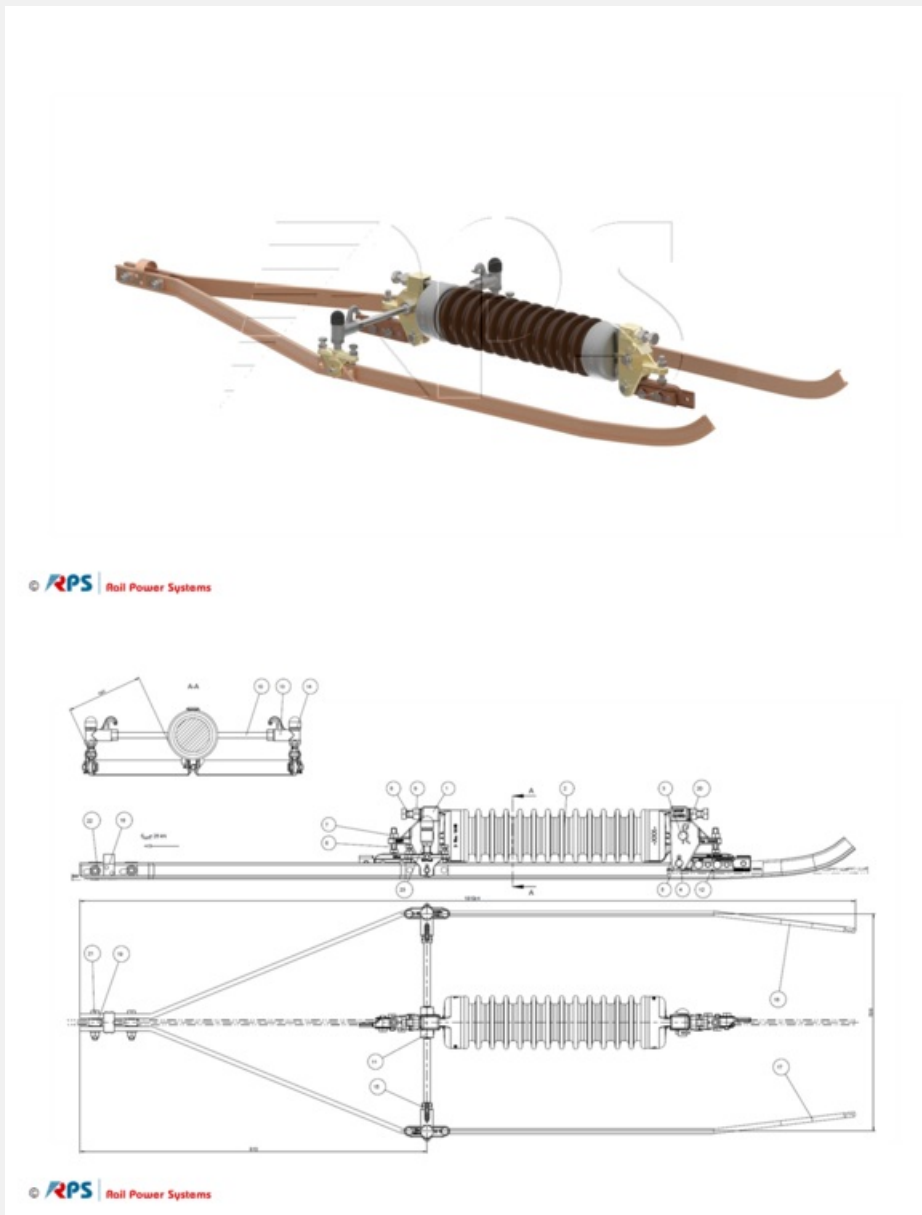
Material-ID	Name	Creepage Path	L	Weight	Build Type	Drawing Number
3EGF010157	Streckentrenner	1200 mm	2005 mm	38,5 kg	Befahrgeschwindigkeit 130 km/h	3EGF001025Z3130 H

Streckentrenner 25kV mit Porzellanisolator_Schleifkufen

For grooved contact wires type AC-100 and ASTM-107.

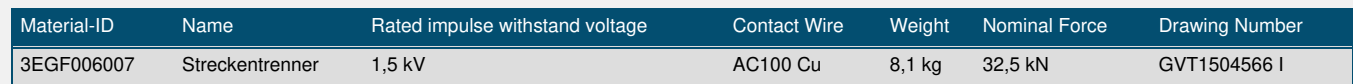
With porcelain insulator.

Max. speed 120 km/h.

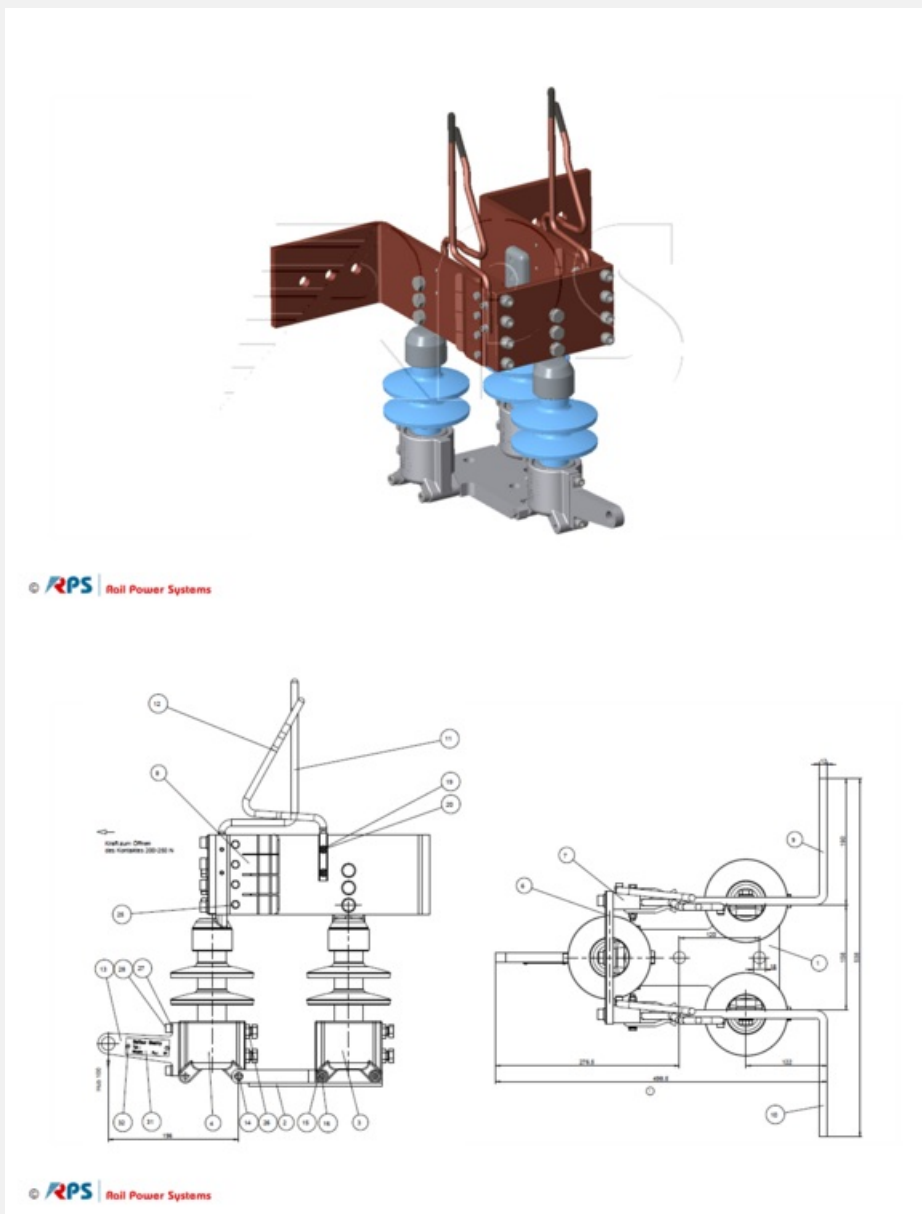


Material-ID	Name	Rated impulse withstand voltage	Creepage Path	L	Weight	Nominal Force	Drawing Number
3EGF007541	Streckentrenner	25 kV	725 mm	1813 mm	30,8 kg	25 kN	3EGF020944Z1131

teflon arcing shield and insulating suspension bracket.



U-Schalter mechanisch



Material-ID	Name	Weight	Creepage Path	Rated impulse withstand voltage	Drawing Number
3EGF018584	Disconnecter	31,54 kg	300 mm	3 kV	3EGF020551Z1141

