



LIGHT RAIL AND TRAMWAY CATALOGUE

ILLUSTRATED PARTS CATALOGUE

REVISION: REVO



REVISION PROCEDURE

Amendments are to be summarised by the document author in the Revision Table below and may be by substitution of pages, or issue of complete document.

ISSUE	ORIGINATOR	ENGINEERING APPROVAL	PROJECT APPROVAL	DETAIL	DATE (D/M/Y)
01	RL			R 0	29/08/25
02					
03					
04					
05					

1 INTRODUCTION

This Illustrated Parts Catalogue should be used solely for the purpose of product identification. All technical data including dimensions, product application, material specification and load properties should be checked by the buyer at time of enquiry. Mosdorfer Rail reserve the right to modify or update the contents of this document without prior notification.

All enquiries both technical and commercial should be sent to ordersrailuk@mosdorfer.com

2 SCOPE

The document covers the components and materials used in the Trolley Wire and Catenary equipment system.

3 DEFINITIONS OF ABBREVIATIONS AND TERMS USED

BW Reference

Brecknell Willis Part Number

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CANTILEVER ASSEMBLIES

Bracket Arm Low Loads Pull Off

Part Number:

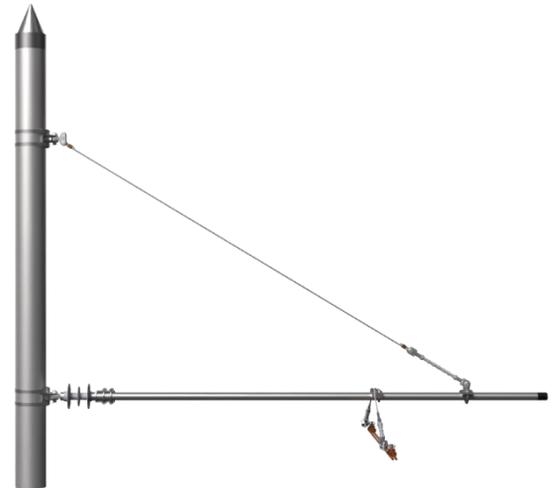
- RCS-25-A-076

Application

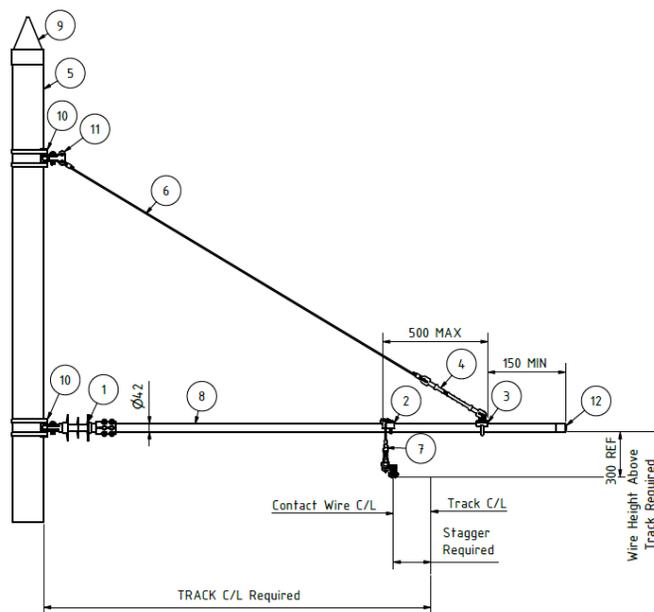
- Bracket arm assembly, low load/pull off

Material

- See table for page reference to see components in more detail.



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
2	Stitch Support Assembly – Ø42	37
3	Eye Clamp – Ø42	30
4	Tension Insulator – 125/240 – Clevis and Clevis – 20 kN	61
6	6 mm Stainless Steel Wire Rope Thimble and Ferrule – 2250 Length	42
7	Insulated Stitch Assembly with Levers and Nugget – Double Contact Wire	74
8	Ø42 Steel Tube – 2600 Length	86
9	Ø168 Pole Cap	88
10	Ø168 – 219 – Pole Bracket – Banded Assembly	34
11	Ø20 – Double Tongue Clevis	29
12	Ø42 Tube Cap	87



Bracket Arm Low Loads Push Off

Part Number

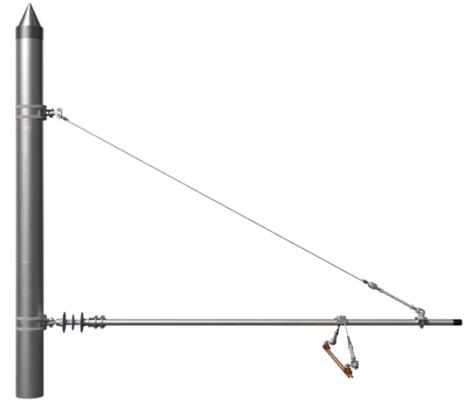
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Application

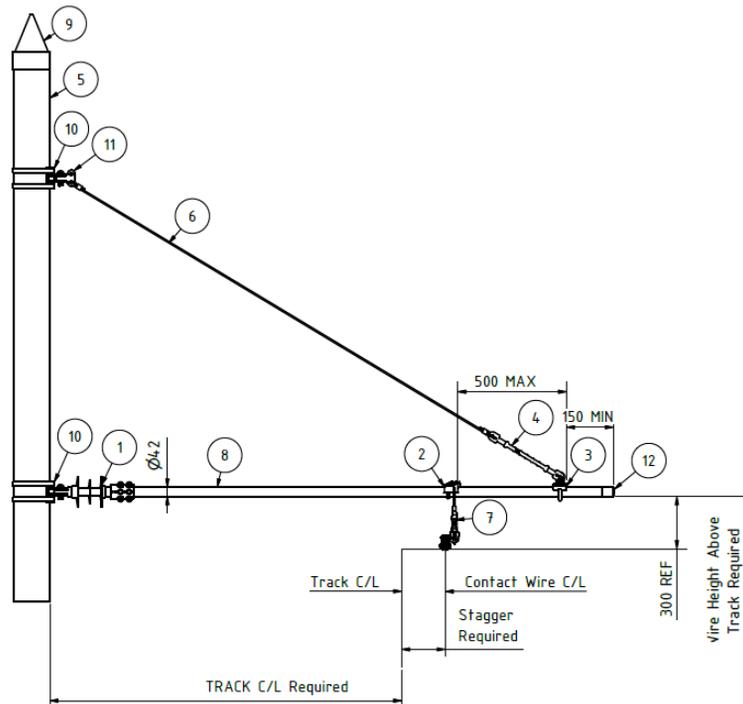
- Bracket arm assembly, low load/ push off

Material

- See table for page reference to see components in more detail.



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
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8	Ø42 Steel Tube – 2100 Length	86
9	Ø168 Pole Cap	88
10	Ø168 – 219 – Pole Bracket – Banded Assembly	34
11	Ø20 – Double Tongue Clevis	29
12	Ø42 Tube Cap	87



Bracket Arm Normal Loads Pull Off

Part Number

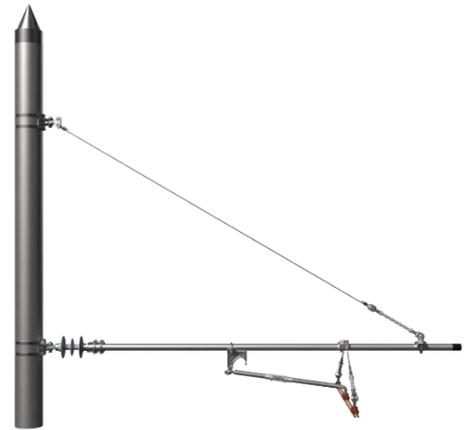
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Application

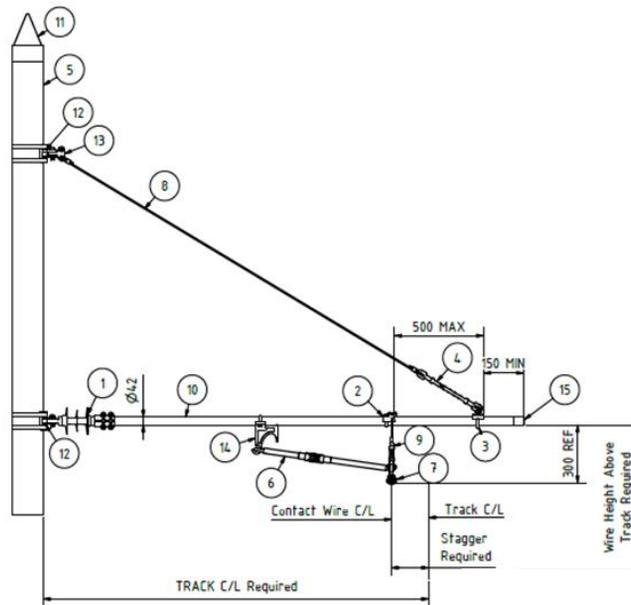
- Bracket arm assembly, normal load / pull off

Material

- See table for page reference, to see components in more detail



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
2	Stitch Support Assembly – Ø42	37
3	Eye Clamp – Ø42	30
4	Tension Insulator – 125/240 – Clevis and Clevis – 20 kN	61
6	Registration Arm – Straight Light Rail	39
7	Twin Contact Wire Clamp 80 – 150 mm ²	46
8	6 mm Stainless Steel Wire Rope Thimble and Ferrule – 2250 Length	42
9	Insulated Stitch with Nugget Double Contact 1000	72
10	Ø42 Steel Tube – 2100 Length	86
11	Ø168 Pole Cap	88
12	Ø168 – 219 – Pole Brackets – Banded Assembly	34
13	Ø20 – Double Tongue Clevis	29
14	Braced Arm Support – light Rail	18
15	Ø42 Tube Cap	87



Bracket Arm Normal Loads Push Off

Part Number:

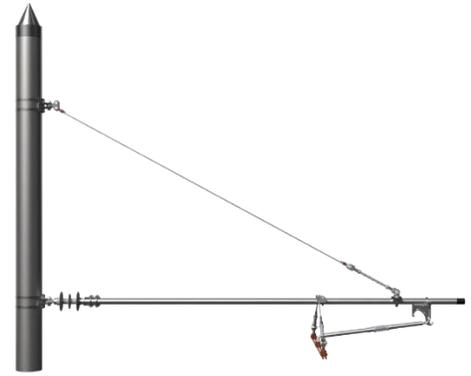
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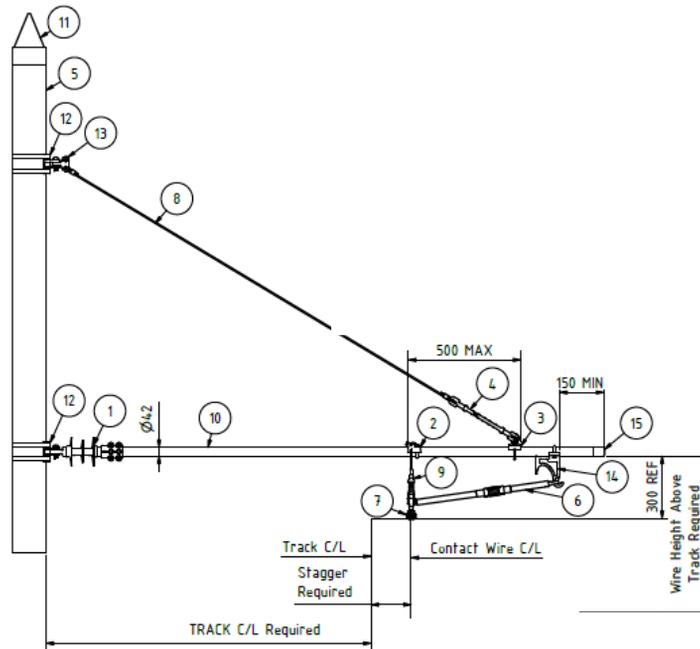
- Bracket arm assembly, normal load/push off

Material

- See table for page reference, to see components in more detail



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
2	Stitch Support Assembly – Ø42	37
3	Eye Clamp – Ø42	30
4	Tension Insulator – 125/240 – Clevis and Clevis – 20 kN	61
6	Registration Arm – Straight Light Rail	39
7	Twin Contact Wire Clamp 80 – 150 mm ²	46
8	6 mm Stainless Steel Wire Rope Thimble and Ferrule – 2250 Length	42
9	Insulated Stitch with Nugget Double Contact 1000	72
10	Ø42 Steel Tube – 2600 Length	86
11	Ø168 Pole Cap	88
12	Ø168 – 219 – Pole Brackets – Banded Assembly	34
13	Ø20 – Double Tongue Clevis	29
14	Braced Arm Support – light Rail	18
15	Ø42 Tube Cap	87



Bracket Arm High Load Pull Off

Part Number

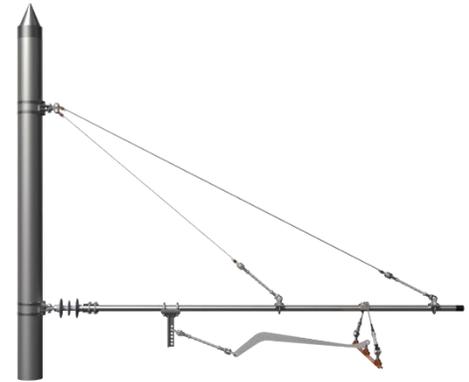
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Application

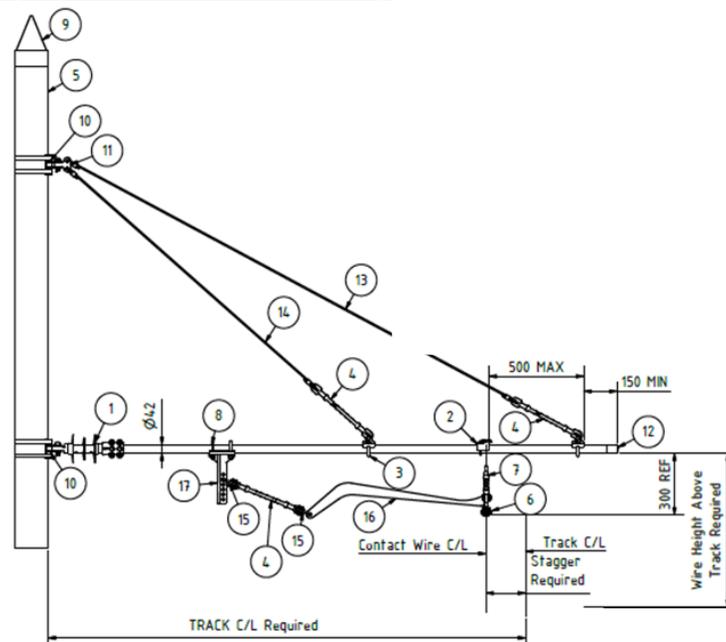
- Bracket arm assembly, high load / pull off

Material

- See table for page Reference, to see components in more detail.



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
2	Stitch Support Assembly – Ø42	37
3	Eye Clamp – Ø42	30
4	Tension Insulator – 125/240 – Clevis and Clevis – 20 kN	61
6	Twin Contact Wire Clamp 80 – 150 mm ²	46
7	Insulated Stitch with Nugget Double Contact 1000	72
8	Ø42 Steel Tube – 2600 Length	86
9	Ø168 Pole Cap	88
10	Ø168 – 219 – Pole Brackets – Banded Assembly	34
11	Ø20 – Double Tongue Clevis	29
12	Ø42 Tube Cap	87
13	6mm Stainless Steel Wire Rope Thimble & Ferrule - 2570 Length	42
14	6mm Stainless Steel Wire Rope Thimble & Ferrule - 1670 Length	42
15	10 mm Quick Link	26
16	Registration Arm Assembly	39
17	Braced Arm Support	18



Bracket Arm Casting High Load Push Off

Part Number

- RCS-25-A-075

Application

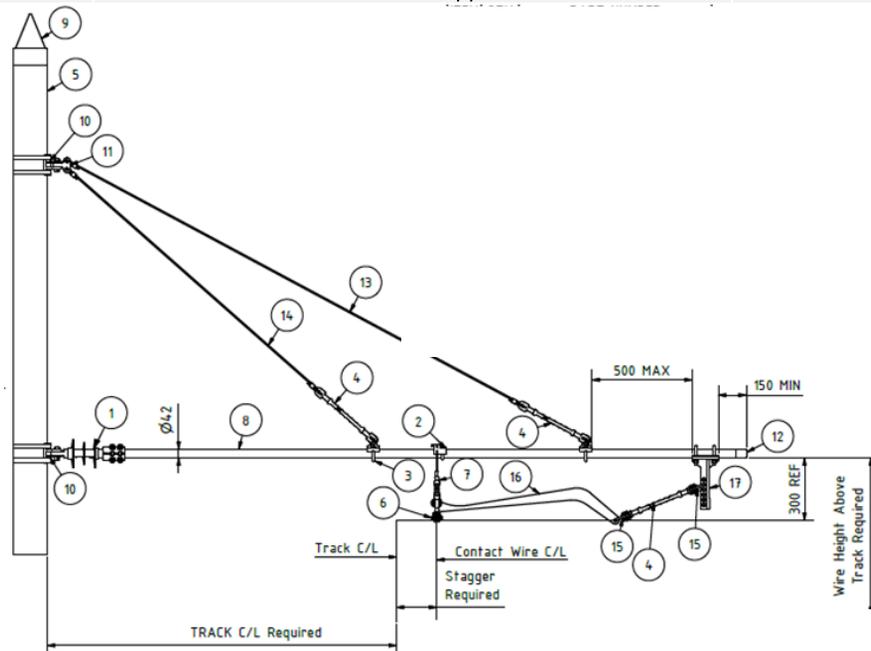
- Bracket arm assembly, high load / push off

Material

- See table for page Reference, to see components in more detail.



Item	Product Description	Page Reference
1	Cantilever insulator 95/38 38 – 55 Tube and Tongue 8kN	60
2	Stitch Support Assembly – Ø42	37
3	Eye Clamp – Ø42	30
4	Tension Insulator – 125/240 – Clevis and Clevis – 20 kN	61
6	Twin Contact Wire Clamp 80 – 150 mm ²	46
7	Insulated Stitch with Nugget Double Contact 1000	72
8	Ø42 Steel Tube – 3200 Length	86
9	Ø168 Pole Cap	88
10	Ø168 – 219 – Pole Brackets – Banded Assembly	34
11	Ø20 – Double Tongue Clevis	29
12	Ø42 Tube Cap	87
13	6mm Stainless Steel Wire Rope Thimble & Ferrule - 2570 Length	42
14	6mm Stainless Steel Wire Rope Thimble & Ferrule - 1670 Length	42
15	10 mm Quick Link	26
16	Registration Arm Assembly	39
17	Braced Arm Support	18



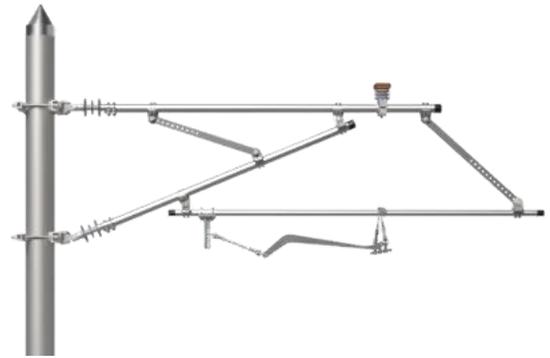
Cantilever Assemblies – Pull Off

Application

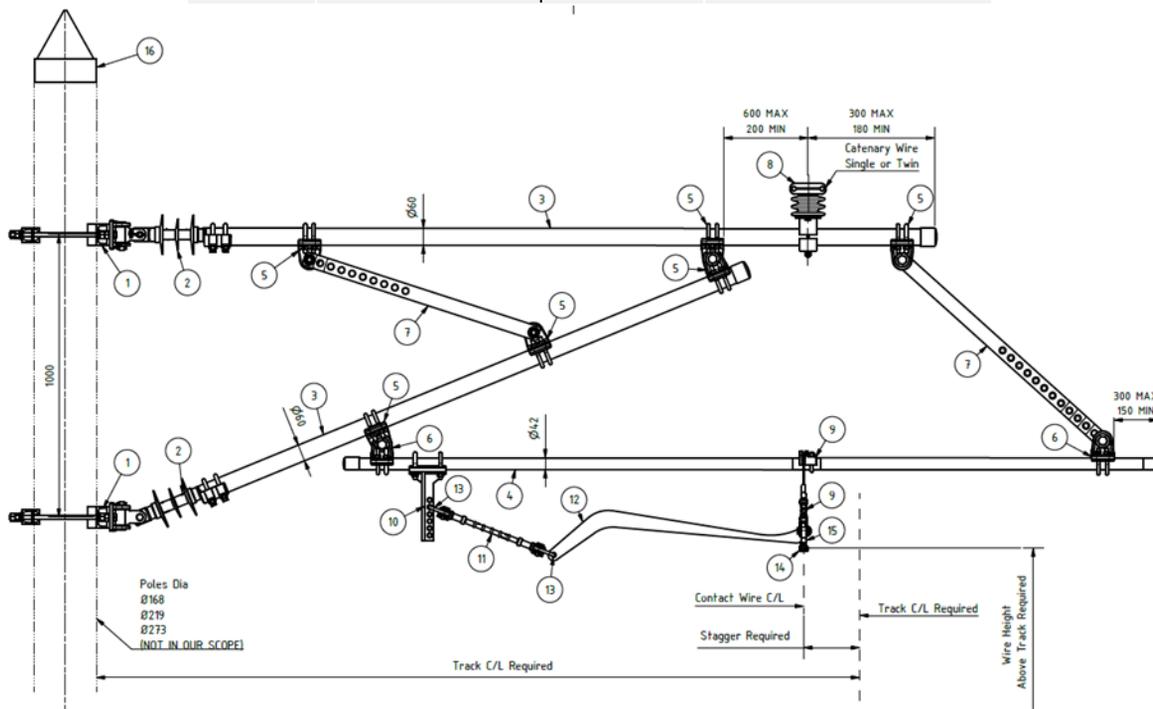
- Pull off Cantilever Assembly

Material

- See table for page reference, to see components in more detail.



Item	Description	Page Reference
1	Overlap Bracket Assembly	33
2	Cantilever Insulator	60
3	Ø60 Steel Tube	86
4	Ø42 Steel Tube	86
5	Eye Clamp Ø70 – Ø60	30
6	Eye Clamp Ø55 – Ø42	30
7	Brace Arm	17
8	Catenary Support Assembly	21
9	Stitch Support Assembly	37
10	Braced Arm Support	18
11	Tension Insulator	61
12	Registration Arm Assembly	39
13	10 mm Quick Link	27
14	Contact Wire Clamp	45
15	Deltram Nipple	47
16	Pole Cap	88



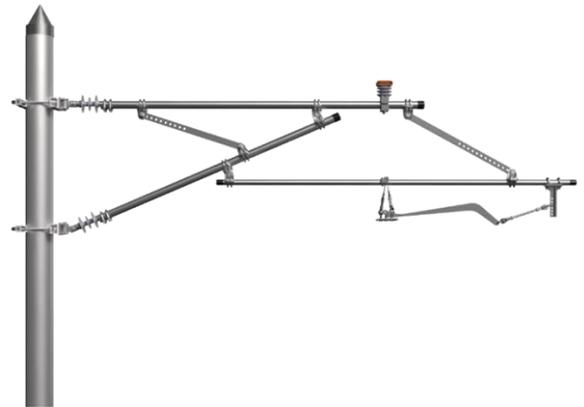
Cantilever Assemblies – Push Off

Application

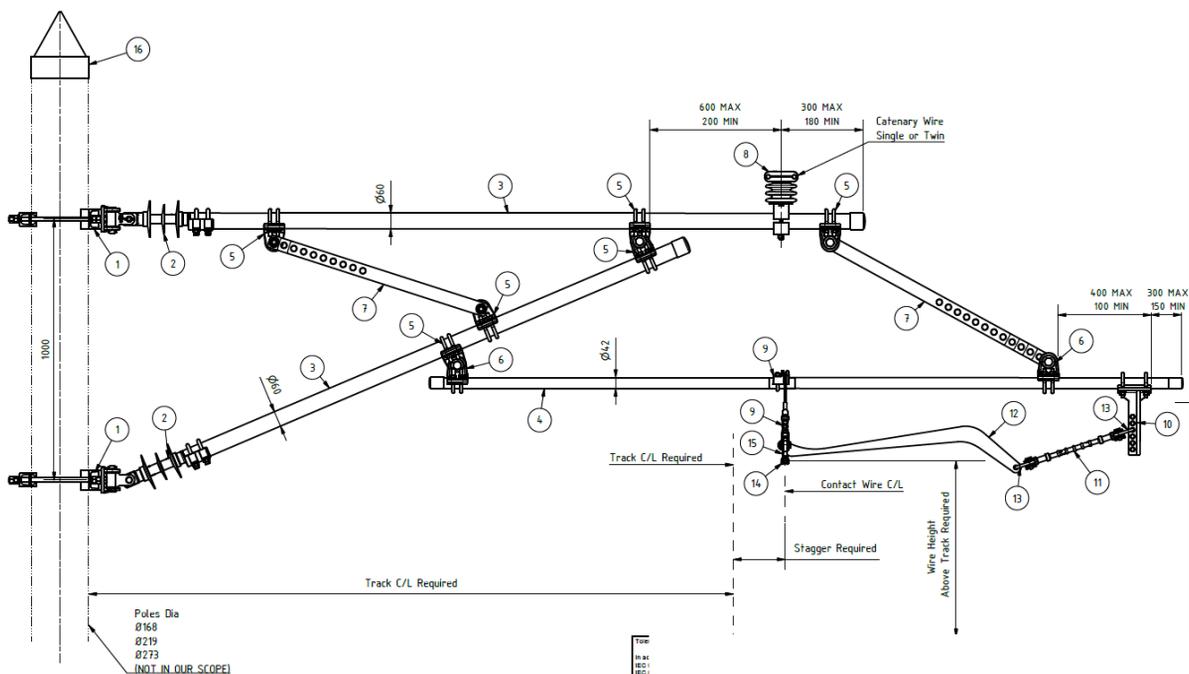
- Push off Cantilever Assembly

Material

- See table for page reference, to see components in more detail



Item	Description	Page Reference
1	Overlap Bracket Assembly	33
2	Cantilever Insulator	60
3	Ø60 Steel Tube	86
4	Ø42 Steel Tube	86
5	Eye Clamp Ø70 – Ø60	30
6	Eye Clamp Ø55 – Ø42	30
7	Brace Arm	17
8	Catenary Support Assembly	21
9	Support Stitch Assembly	37
10	Braced Arm Support	18
11	Tension Insulator	61
12	Strong Registration Arm Assembly	39
13	10 mm Quick Link	27
14	Contact Wire Clamp	45
15	Deltram Nipple	47
16	Pole Cap	88



CANTILEVER COMPONENTS

Bracket Arm Casting

Application

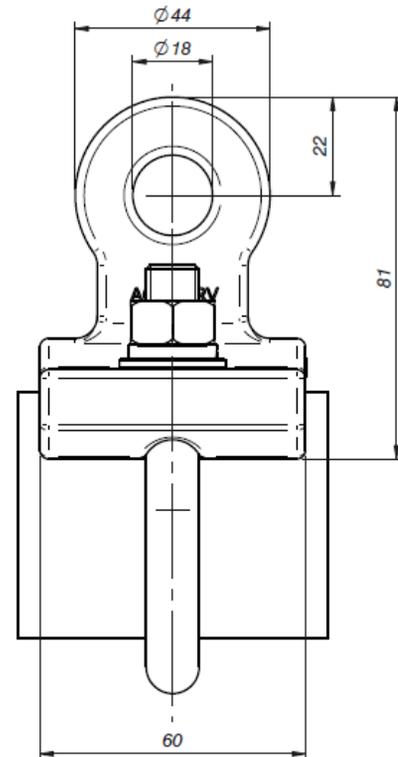
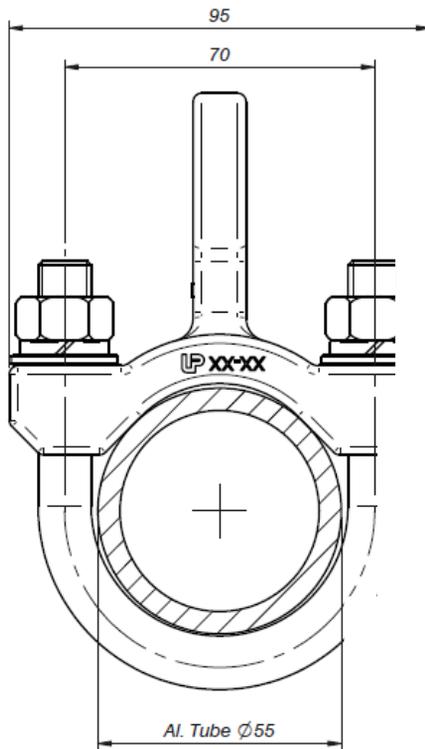
- This clamp is used for articulated connections.

Material

- Cast part: AlSi7Mg 0,6 T6 (UNE-EN 1706)
- Nuts: St Steel (A2-70) (EN ISO 3506)
- Washers: St. Steel (A2) (EN ISO 3506)
- U-bolt: St. Steel (A2-70) (EN ISO 3506)



Part Number	BW Reference	Description	Diameter Tube (mm)
ASM.A0-55TRV	-	Supplied as a complete assembly.	50



Bracket Arm Casting

Application

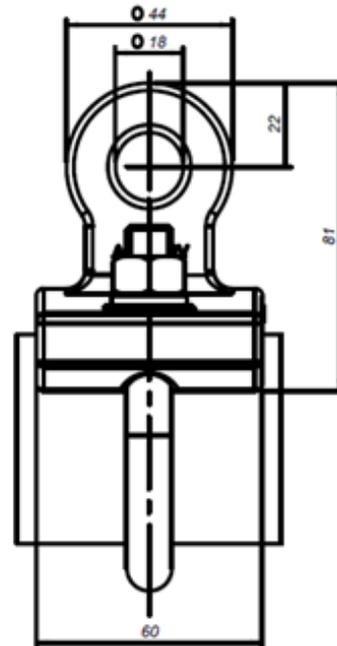
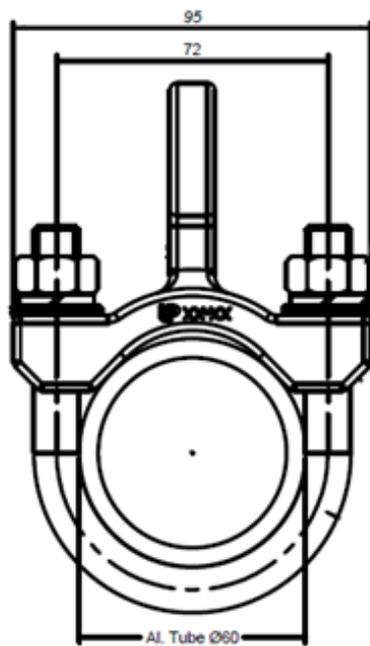
- This clamp is used for articulated connections.

Material

- Cast part: AlSi7Mg 0,6 T6 (UNE-EN 1706)
- Nuts: St Steel (A2-70) (EN ISO 3506)
- Washers: St. Steel (A2) (EN ISO 3506)
- U-bolt: St. Steel (A2-70) (EN ISO 3506)



Part Number	BW Reference	Description	Diameter Tube
A0-55TRV-V2	M40152-02-A	Supplied as a complete assembly	60



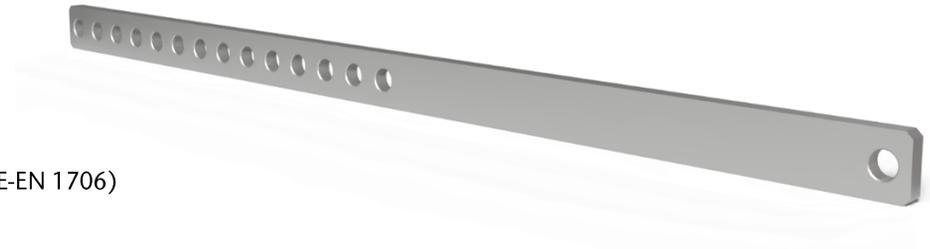
Brace Arm

Application

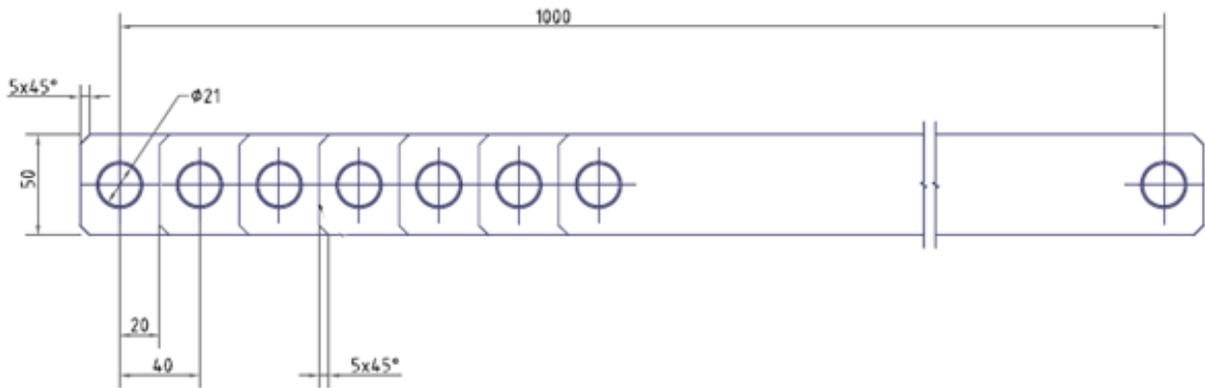
- Brace Arm

Material

- AlSi7Mg0, 6 T6 (UNE-EN 1706)



Part Number	BW Reference	Weight (Kg)
043258-00	-	1.998



Brace Arm Support

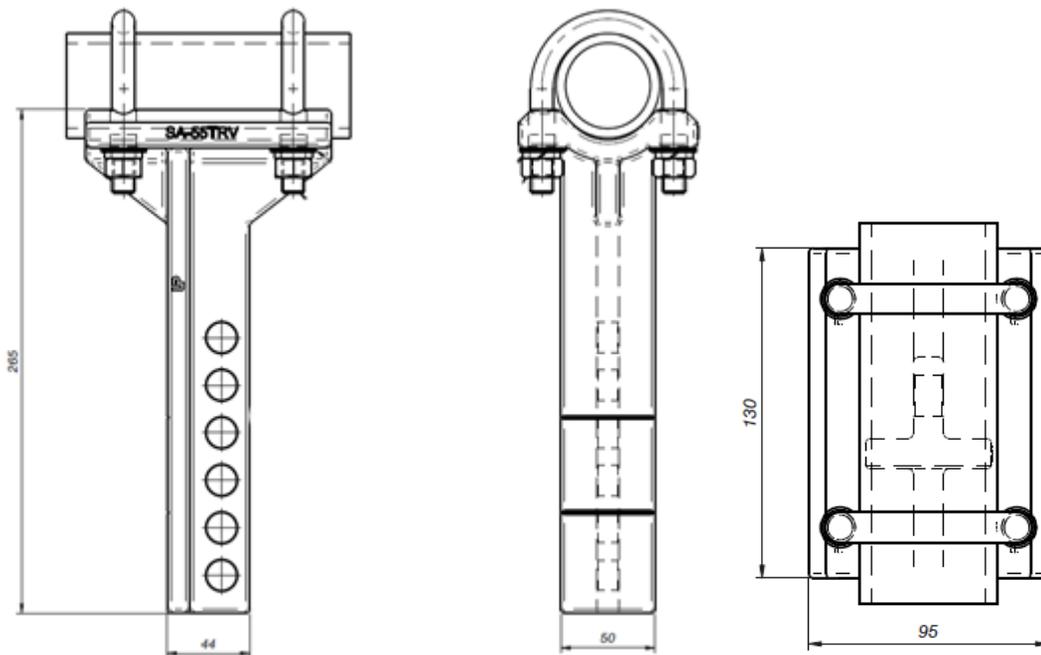
Application

- 55 Ø Tube
- Brace Arm Support

Material

- AlSi7Mg0, 6 T6 (UNE-EN 1706)

Part Number	BW Reference	Tube Ø (mm)
ASM.SA-55TRV V2	M45378-01-A	55



Brace Arm Support

Application

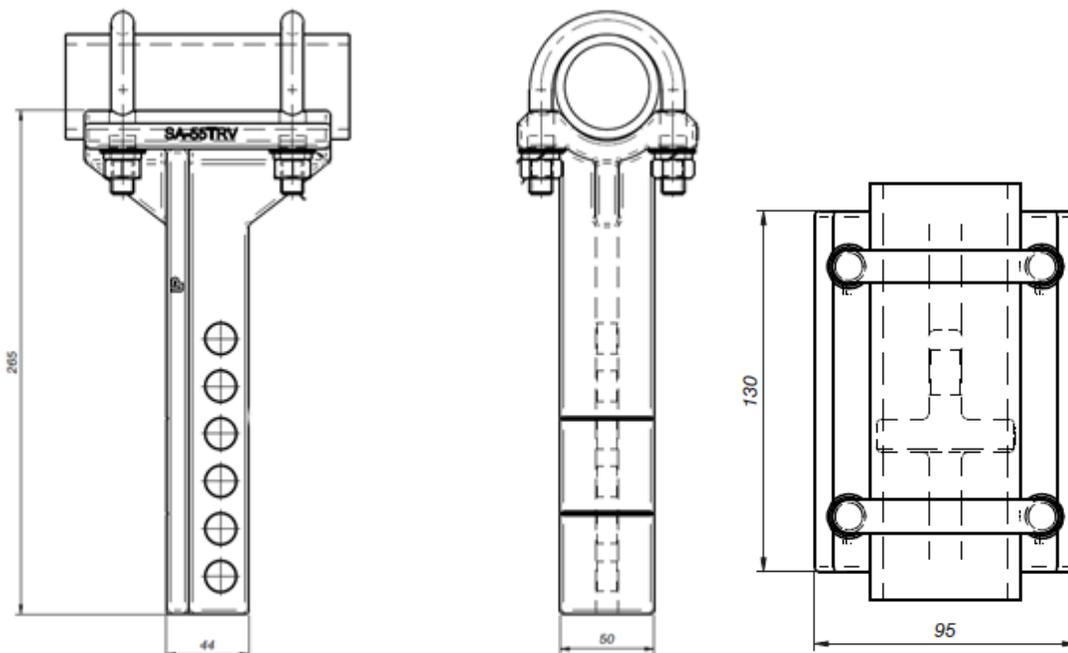
- 60 Ø Tube
- Brace Arm Support

Material

- AlSi7Mg0, 6 T6 (UNE-EN 1706)



Part Number	BW Reference	Tube Ø (mm)
ASM.SA-60TRV	M45378-02-A	60



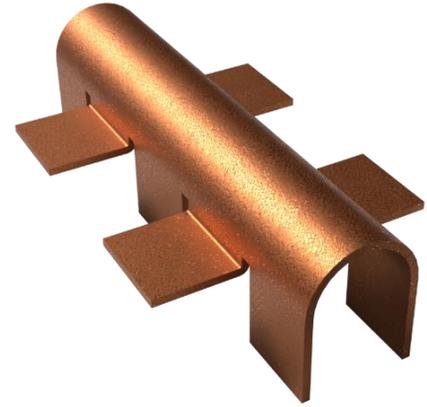
Bimetallic Liner

Application

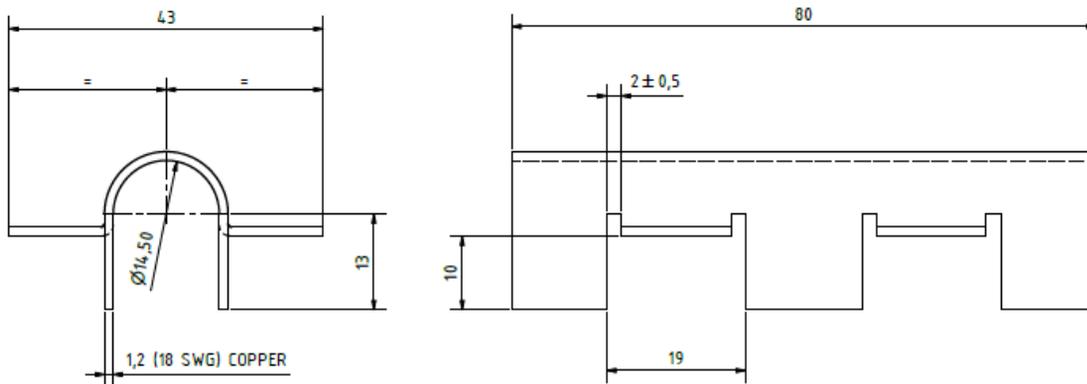
- Clamp inserts

Material

- Copper tin plated



Part Number	BW Reference	Description	Size	Weight (Kg)
RCS-24-P-014	145/025/006	Catenary Wire Saddle	19/2.84 (19/.112")	0.041



Catenary Support Assembly

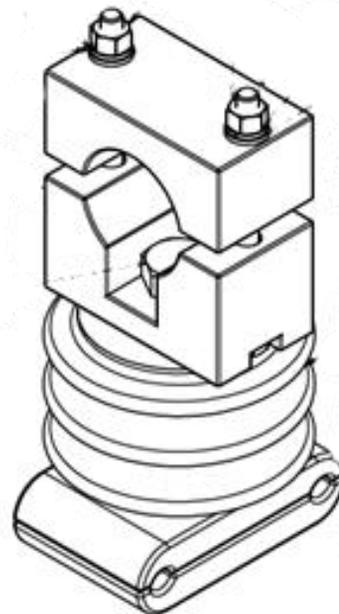
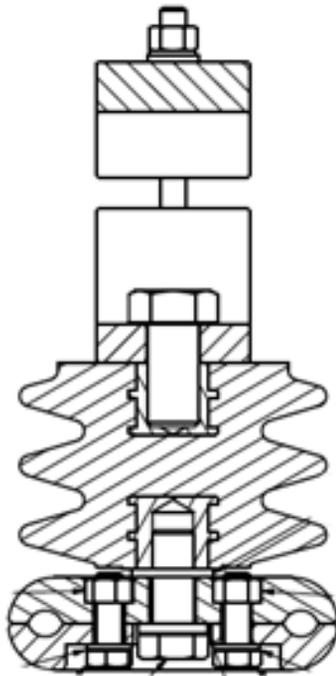
Application

- Twin messenger wire support assembly.

Material

- GRP Polyester, Stainless steel, Aluminium and Copper

Part Number	BW Reference	Ø (mm)
RCS-24-A-10	M42230-03-A	60
RCS-24-A-25	M42230-050	42



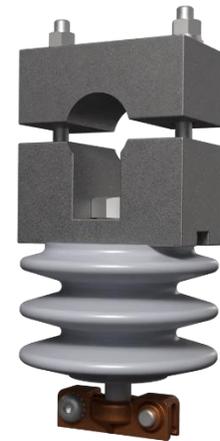
Contact Wire Support

Application

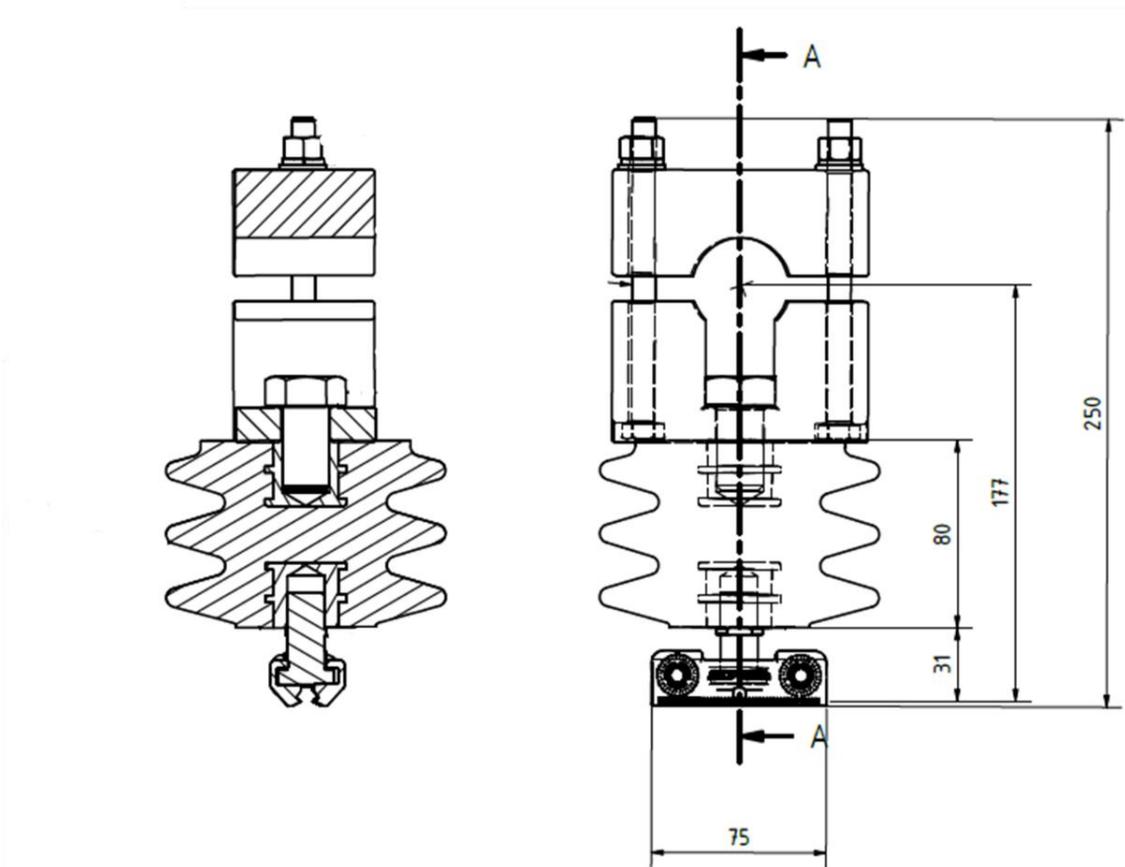
- The support and electrical insulation of single catenary contact wire.

Material

- GRP Polyester, Aluminium, Copper & Stainless Steel



Part Number	BW Reference	Dia	Weight (kg)
RCS-25-A-032	M42230-07-A	42	3.301



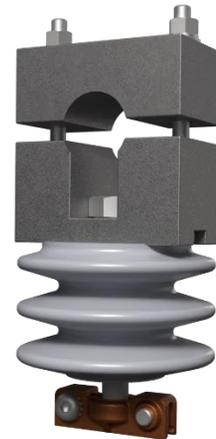
Contact Wire Support

Application

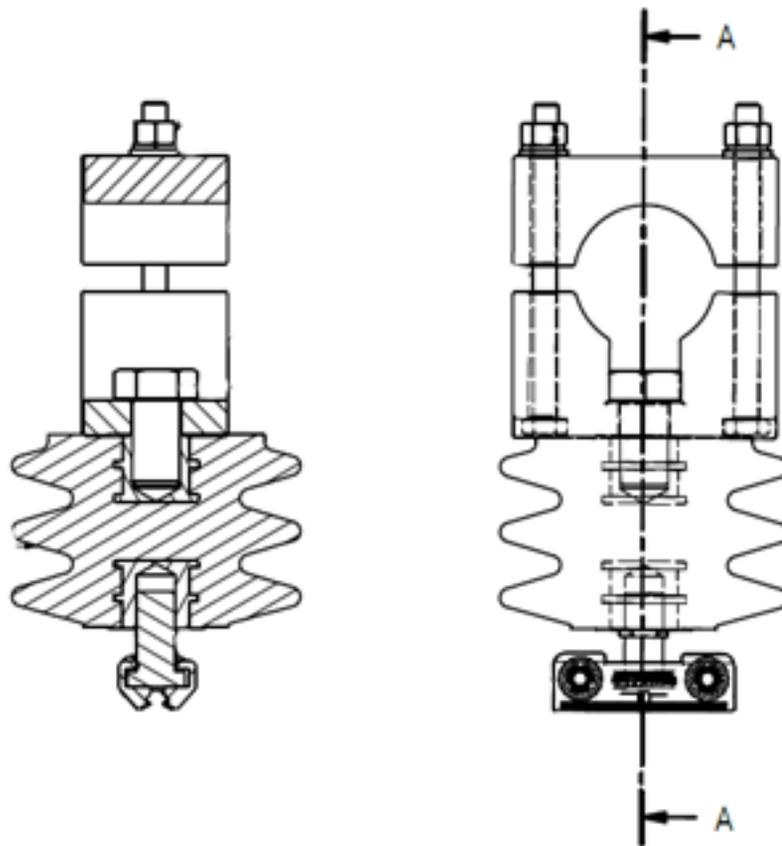
- The support and electrical insulation of single contact wire.

Material

- GRP Polyester, Aluminium, Copper & Stainless Steel



Part Number	BW Reference	Dia	Weight (kg)
RCS-25-A-033	M42230-09-A	60	3.148



Depot Contact Wire Support

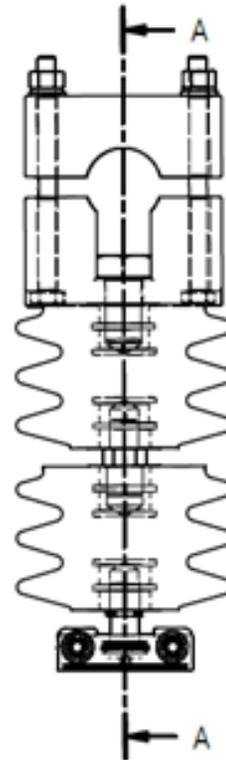
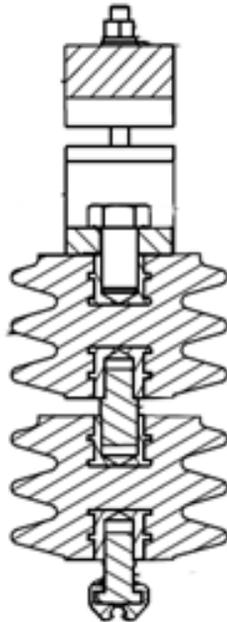
Application

- The support and electrical insulation of single contact wire.

Material

- GRP Polyester, Aluminium, Copper & Stainless Steel

Part Number	BW Reference	Dia	Weight (kg)
RCS-25-A-033	M42230-11-A	42	4.568



10 mm Chain Link

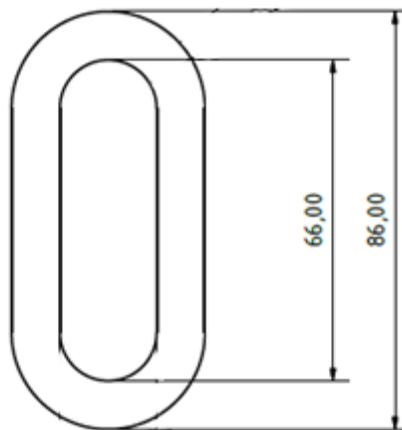
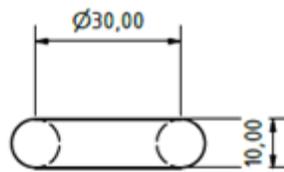
Application

- 10 mm Chain Link

Material

- Stainless steel.

Part Number	BW Reference
244 002 209	M45342-01-A



8 mm Quick Link

Application

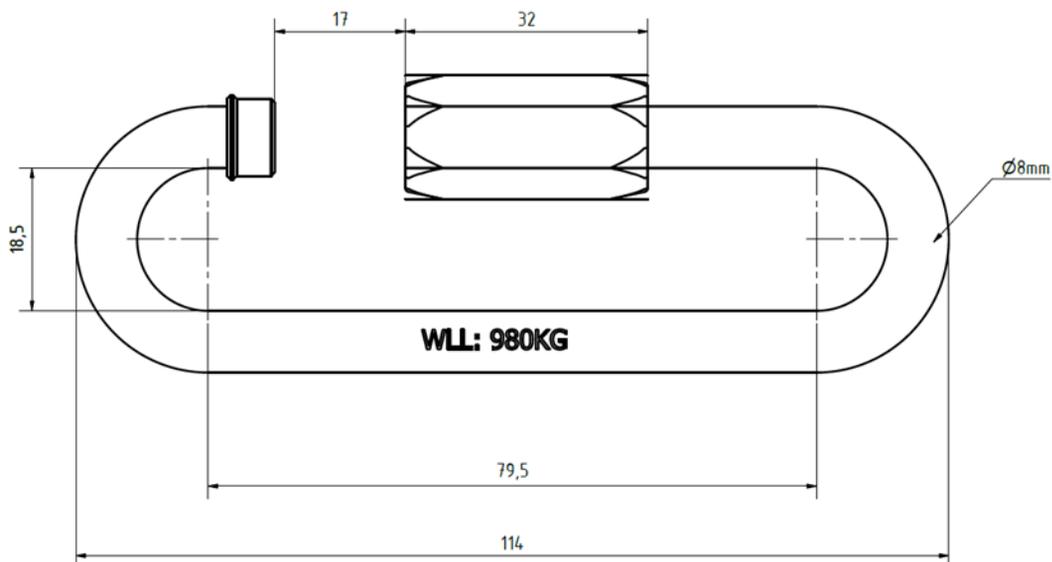
- Used as a connecting link for a rope or chain.

Material

- Stainless Steel: AISI 316 L



Part Number	BW Reference	Diameter (mm)	Max. Working Load (Kg)	Weight (Kg)
244 002 203	M41211-01-D	8	980	0.122



10 mm Quick Link

Application

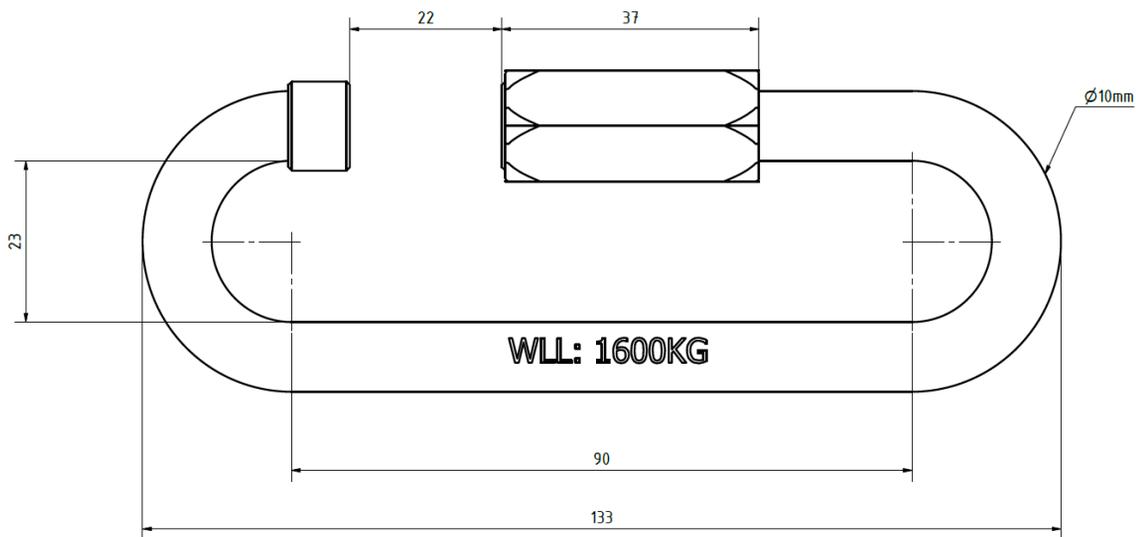
- Used as a connecting link for a rope or chain.

Material

- Stainless Steel: AISI 316 L



Part Number	BW Reference	Diameter	Routine Test Load (RTL) (kV)	Weight (Kg)
244 002 204	M41210-01-D	10	1600	0.211



10 mm Delta Quick Link

Application

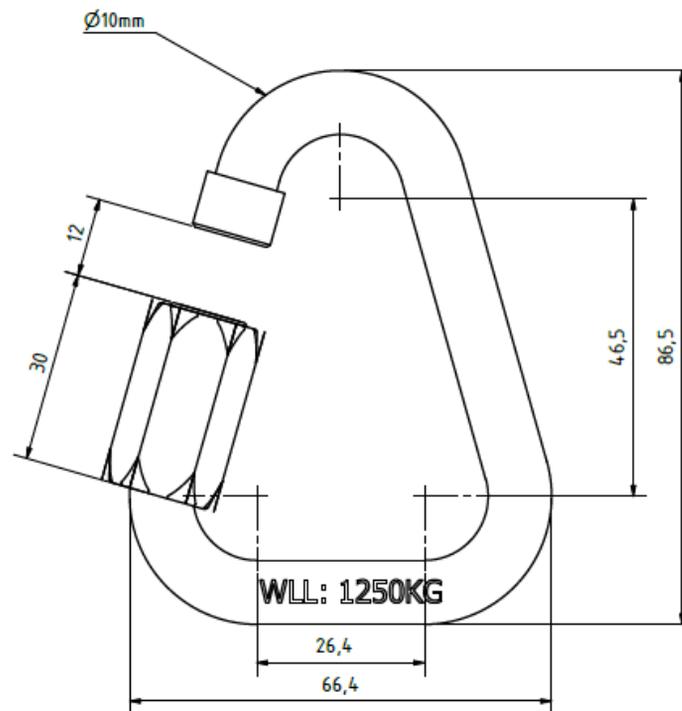
- Used as a connecting link for a rope or chain.

Material

- Stainless Steel AISI 316L



Part Number	BW Reference	Description	Max Working Load (kN)	Weight (Kg)
244 002 208	M42042-01-D	Delta quick link 10 mm 316 Stainless Steel	24.5	0.16



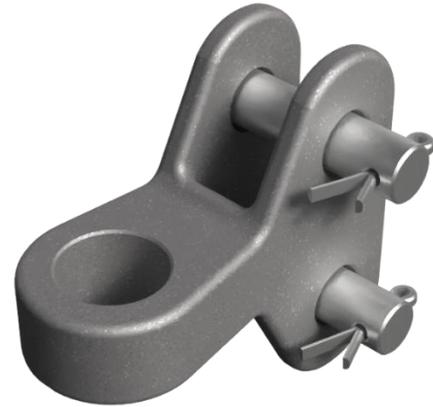
Double Tongue Clevis

Application

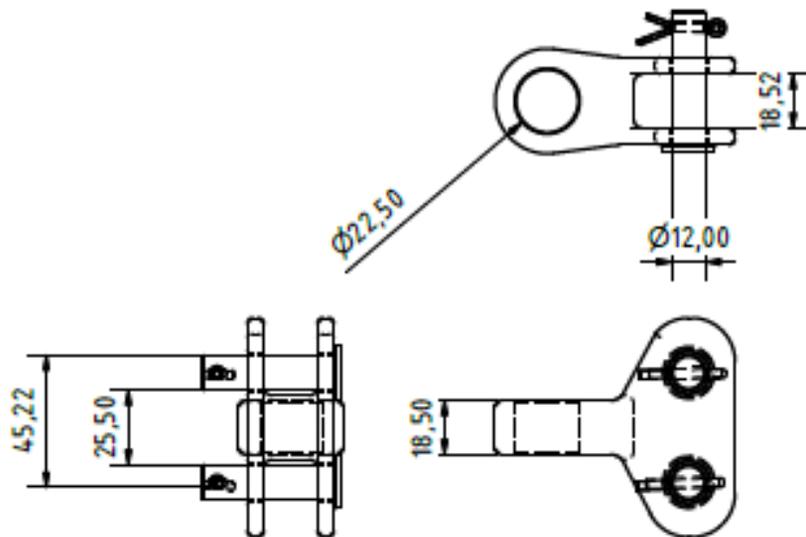
- Double tongue Clevis

Material

- Steel, hot dipped galvanized



Part Number	BW Reference	Dia Ø	Weight (kg)
RCS-25-A-070	-	20	0.44



Eye Clamp

Application

- To be used on the rotational joint between strut and cantilever tubes

Material

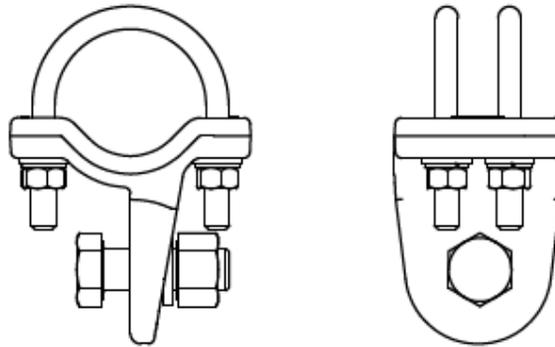
- Forged Main Component: EN AW-6082 (T6)
- Bolting: Stainless Steel (A2-70 AISI 304 / A4-70 6082 / A4-70 AISI 316)

Notes

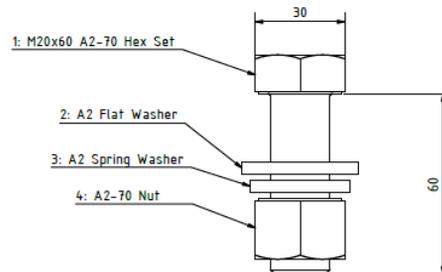
- RCS-24-A-028 (M20X60 A2-70 bolt, Flat Washer, Spring Washer and nut) to be ordered SEPERATLEY.
- Order both clamp and M20 connecting bolt. Depending on the application E.g.



Part Number	BW Reference	Tube Diameter (mm)	Max. Service Load (kN)	U – Bolt (mm)	Tightening Torque (Nm)	Weight (kg)
000701290-00	-	60 - 70	10.7	M12	35	1.00
000701290-01	-	42 - 55	10.7	M12	35	1.00



1 X 000701290-00 + 1 X RCS-24-A-028



RCS-24-A-028

Eye Clamp

Application

- To be used on the rotational joint between strut and cantilever tubes

Material

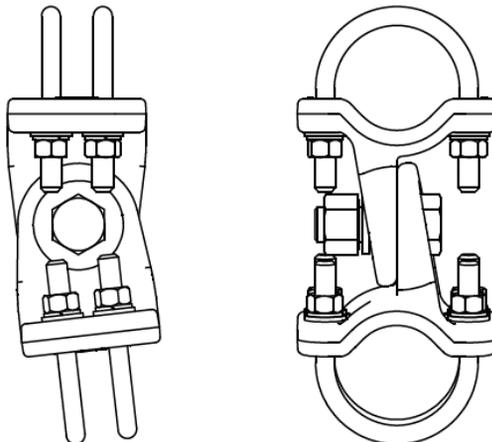
- Forged Main Component: EN AW-6082 (T6)
- Bolting: Stainless Steel (A2-70 AISI 304 / A4-70 6082 / A4-70 AISI 316)

Notes

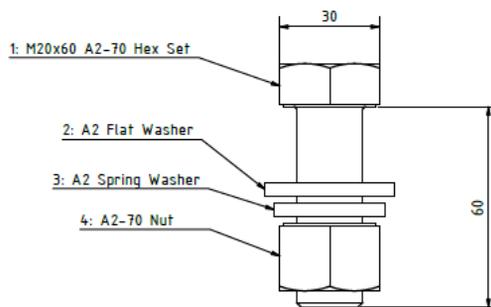
- RCS-24-A-028 (M20X60 A2-70 bolt, Flat Washer, Spring Washer and nut) to be ordered SEPERATLEY.
- Order both clamp and M20 connecting bolt. Depending on the application E.g.



Part Number	BW Reference	Tube Diameter (mm)	Max. Service Load (kN)	U – Bolt (mm)	Tightening Torque (Nm)	Weight (kg)
000701290-00	-	60 - 70	10.7	M12	35	1.00
000701290-01	-	42 - 55	10.7	M12	35	1.00



2 X 000701290-00 + 1 X RCS-24-A-028



RCS-24-A-028

Hook Clamp

Application

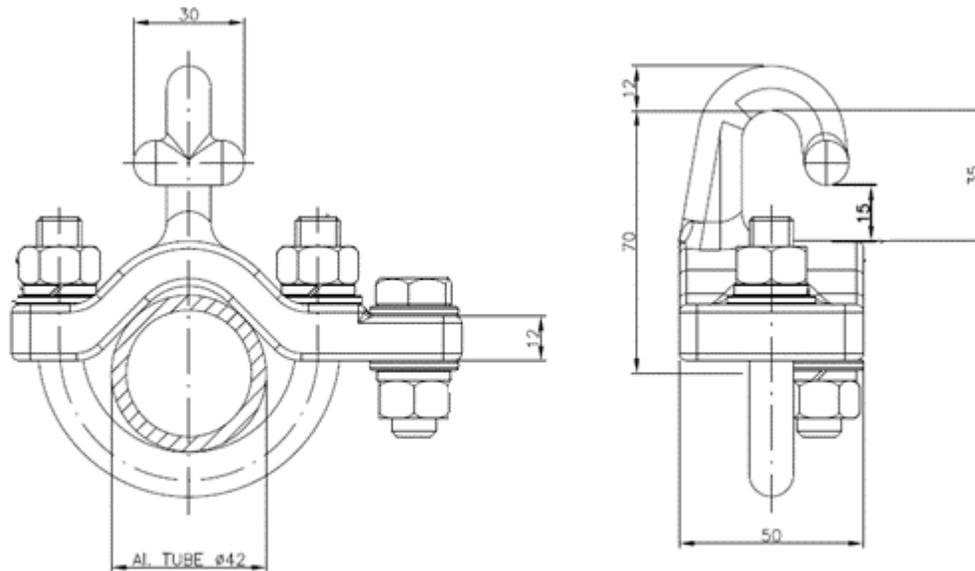
- Used for attaching the cantilever dropper to the registration tube

Material

- Main Casted Part: EN-AC 42200 – ALSi7Mg 0.6 (T6) – EN 1706
- Bolting: Stainless Steel (A2-70 AISI 304 / A4- 70 AISI 316)



Part Number	BW Reference	Diameter Tube	Dimension (mm)	Tightening Torque M12 (mm)	Weight (kg)
234 006 042	M45332-01-A	42	70	45	0.42



Overlap Bracket Assembly

Application

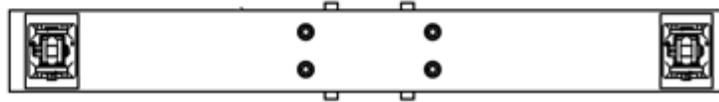
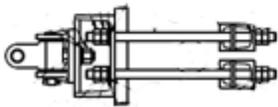
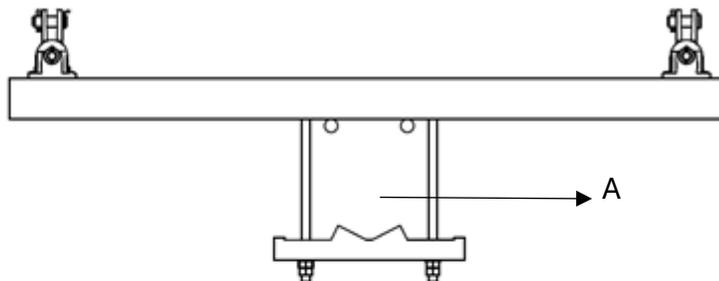
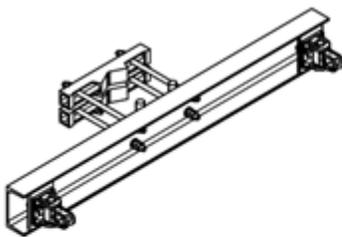
- Overlap Bracket Assembly.
- Clamps can be rotated horizontally or vertically.

Material

- Galvanized steel.



Part Number	BW Reference	A Back Bracket Diameter (Ø)
RCS-24-A-005	M46380-01-A	219
RCS-24-A-020	M46380-02-A	273
RCS-25-A-002	M46380-03-A	168



Pole Bracket Assembly

Application

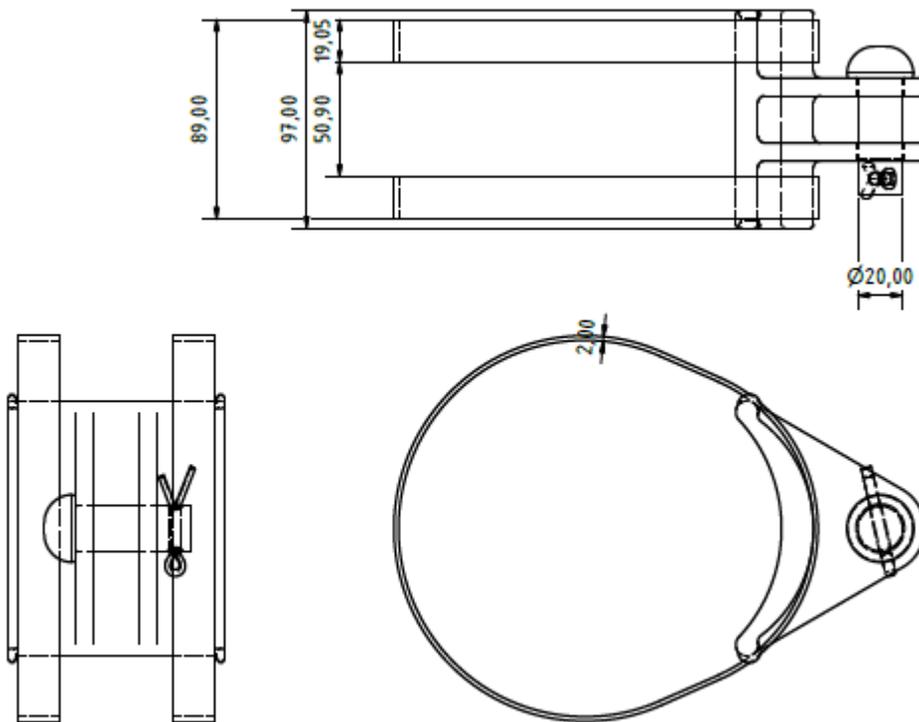
- Pole Bracket Assembly

Material

- Steel, hot dip galvanized.



Part Number	BW Reference	Band Diameter (Ø)	Weight (kg)
RCS-25-A-068	-	168 – 219	1.75



Polyamide Cable Hanger – Parafil Rope

Application

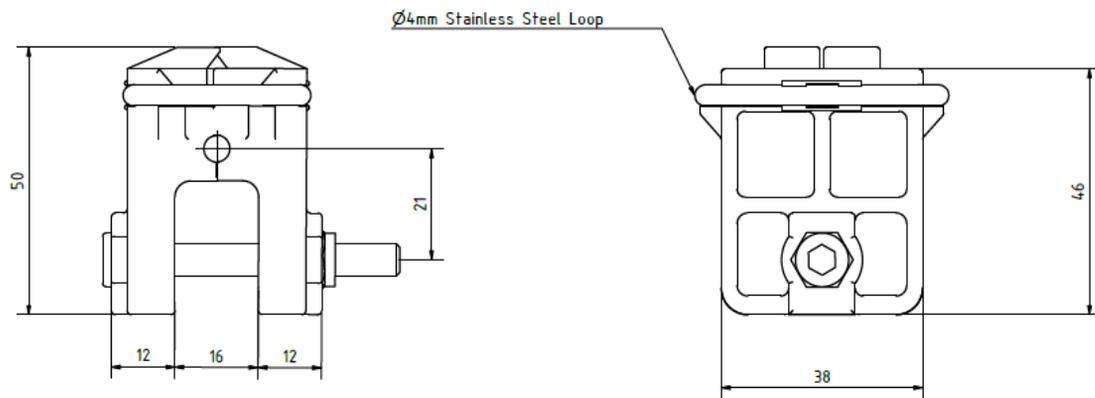
- Used for supporting parafil

Material

- Body: Polymide 6
- Bolt: Stainless Steel A4
- Nut: Stainless Steel A4 – 70



Part Number	BW Reference	Description	Parafil Type A (mm)	Max Vertical Working Load (N)	Weight (Kg)
244 002 202	M41224-01-D	7 mm Cable Hanger	7	400	0.32
244 002 220	M41223-01-D	8 mm Cable Hanger	8	400	0.32



Binding Cylinder

Application

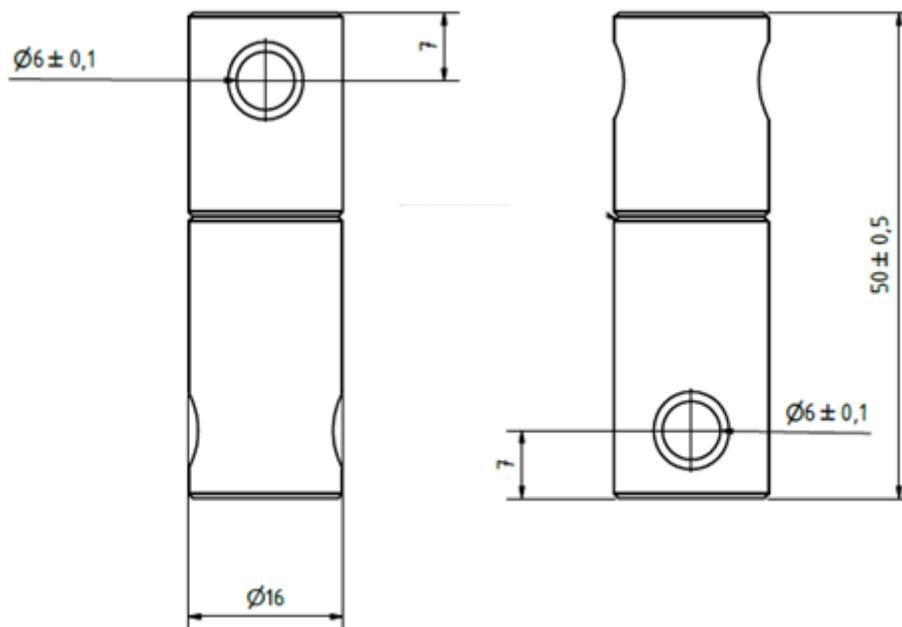
- Swivel pin connecting two parafil hangers

Material

- Stainless Steel Grade A4



Part Number	BW Reference	Weight (kg)
244 002 207	M41225-01-D	0.073



Stitch Support Assembly

Application

- Stitch support assembly.

Material

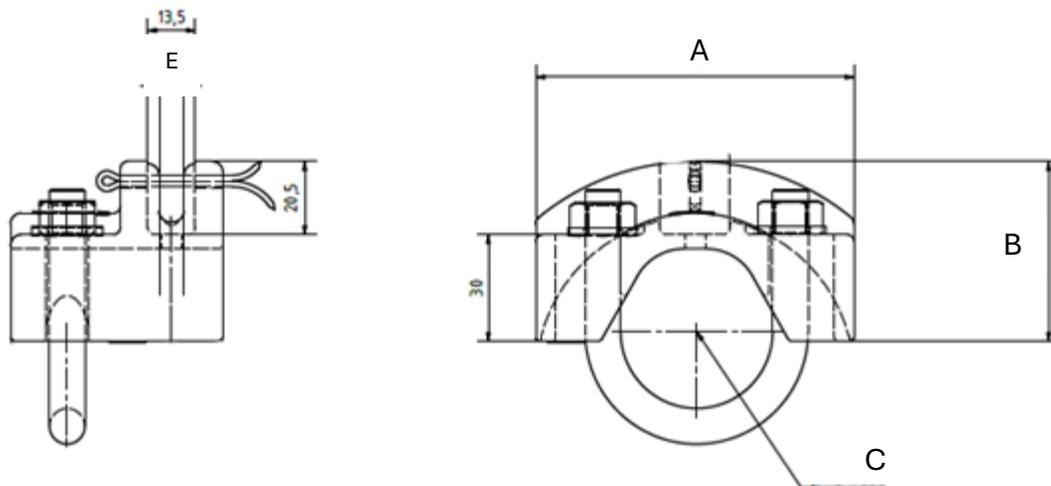
- Aluminium 6082 – T6 and Stainless Steel

Note

- U-Bolts ARE NOT range taking



Part Number	BW Reference	Diameter (Ø)	A (mm)	B (mm)	C Ø Tube (mm)	E (mm)
RCS-25-P-037-1	M45342-01-A	42	90	50.5	42	7
RCS-25-P-037-2	-	55	90	24.5	55	7



Stitch Support Assembly

Application

- Stitch support assembly.

Material

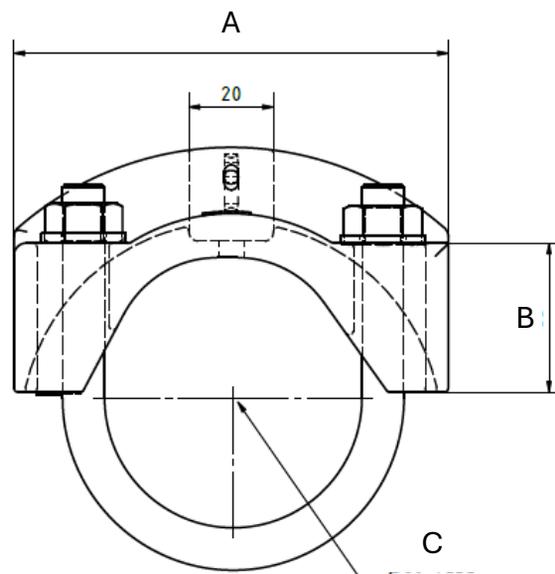
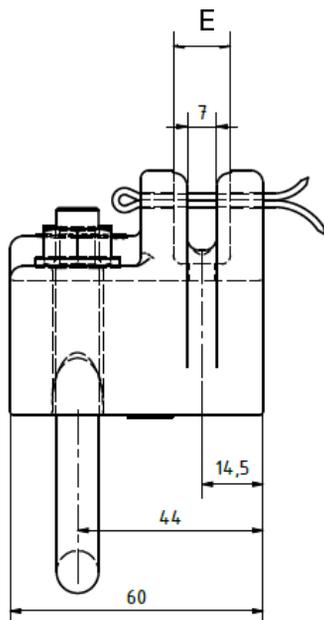
- Aluminium 6082 – T6 and Stainless Steel

Note

- U-Bolts ARE NOT range taking



Part Number	BW Reference	Diameter (Ø)	A (mm)	B (mm)	C Ø Tube (mm)	E (mm)
RCS-25-P-038-1	M4342-02-A	60	103	35	60	7
RCS-25-P-038-2	-	70	103	35	70	7



Registration Arm Assembly

Application

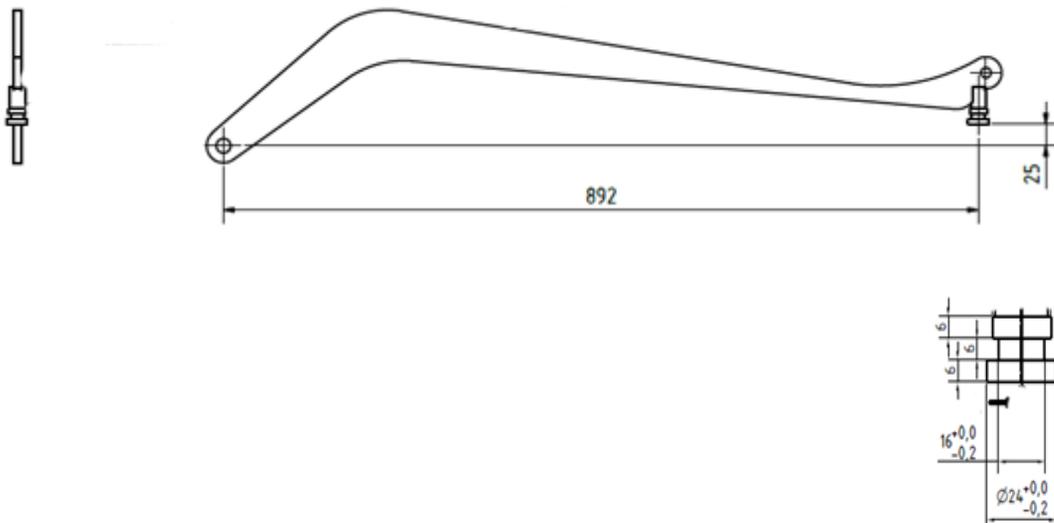
- Strong registration



Material

- Finish: hot dipped galvanize to BS EN ISO 1461
- Registration Arm Profile: Steel S275
- Connection Pin: Stainless Steel 306

Part Number	BW Reference	Diameter (Ø)
244 004 018	M45335-01-A	12



Registration Arm Assembly

Application

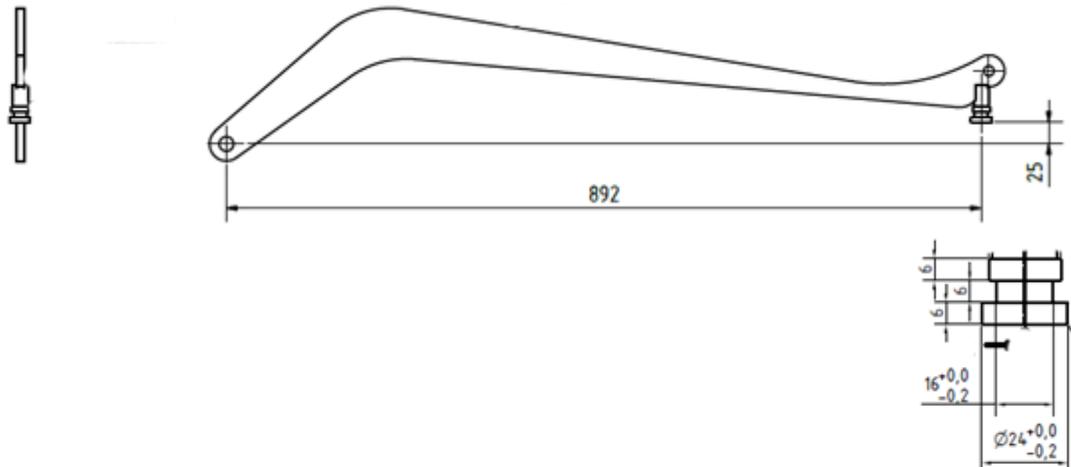
- Strong registration



Material

- Finish: hot dipped galvanize to bs en iso 1461:1999`
- Registration Arm Profile: Steel S275
- Connection Pin: Stainless Steel 306

Part Number	BW Reference	Diameter (Ø)
245 004 018	M45335-03-A	14



Insulated Registration Arm Assembly

Application

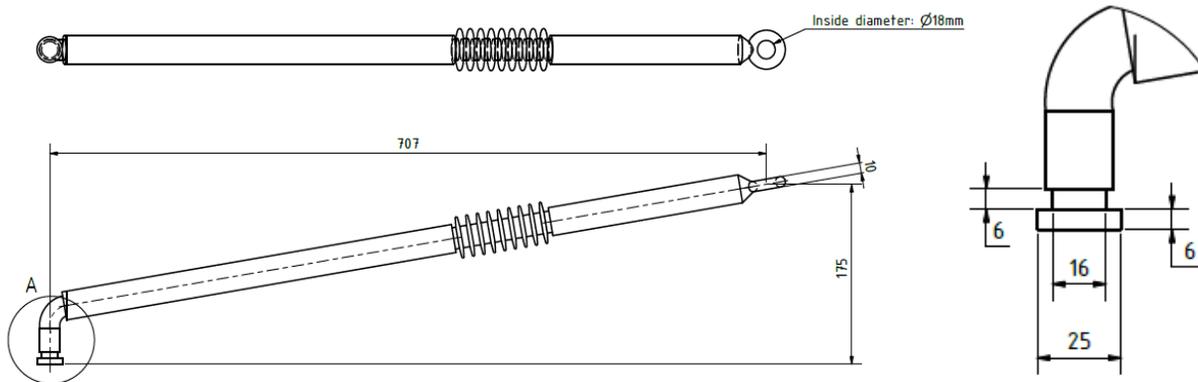
- Insulated steady arm



Material

- Polymetric Housing: Injection moulded silicone (RAL 7040)
- Composite core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø 20mm core)
- Fittings: Steel, Hot Dipped Galvanised per ISO 1461 (Min Ave 85µm)

Part Number	BW Reference	One Minute Power Frequency Withstand Voltage (kV)	Lightning Impulse withstand Voltage (kV)	Minimum Arcing Distance (mm)	Minimum Creepage (mm)
RCS-24-P-791	M45334-01-D	15	65	100	220



Thimble And Ferrule

Application

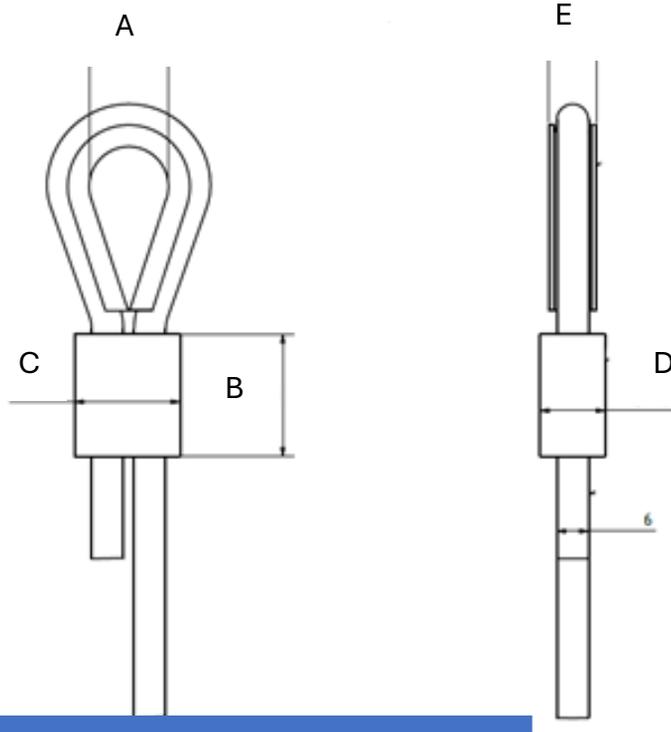
- Supporting rope.

Material

- Stainless Steel Thimble
- Copper Ferrule EN 13411
- Stainless Steel Rope (Supplied Separately)



Part Number	BW Reference	Description	Wire Rope Ø (mm)	Max Service Load (kN)	A	B	C	D Ø	E
RCS-24-A-035	-	6 mm Stainless Steel Thimble and Copper Ferrule Set	6	8	15	23	20	12.3	9
RCS-24-P-026	THSS6	6 mm Stainless Steel Thimble	Thimble and Ferrule can be ordered as a kit (RCS-24-A-035) Thimble and Ferrule can be ordered separately for spares.						
RCS-24-P-027	TCU6.5	6.5 mm Copper Ferrule							
RCS-24-A-036	-	8 mm Stainless Steel Thimble and Copper Ferrule Set	8	14.25	18	32	27	17.2	1 2
RCS-24-P-028	THSS8	8 mm Stainless Steel Thimble	Thimble and Ferrule can be ordered as a kit (RCS-24-A-036) Thimble and Ferrule can be ordered separately for spares.						
RCS-24-P-029	TCU9	9 mm Copper Ferrule							



CLAMPS

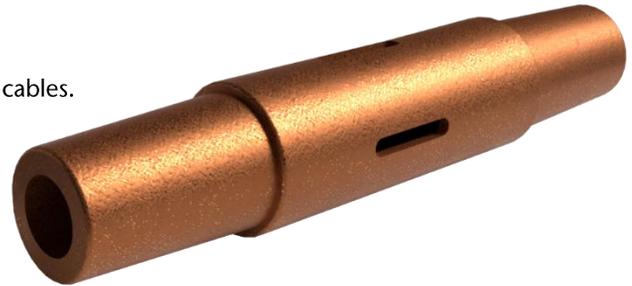
Conical Coupling CuNiSi

Application

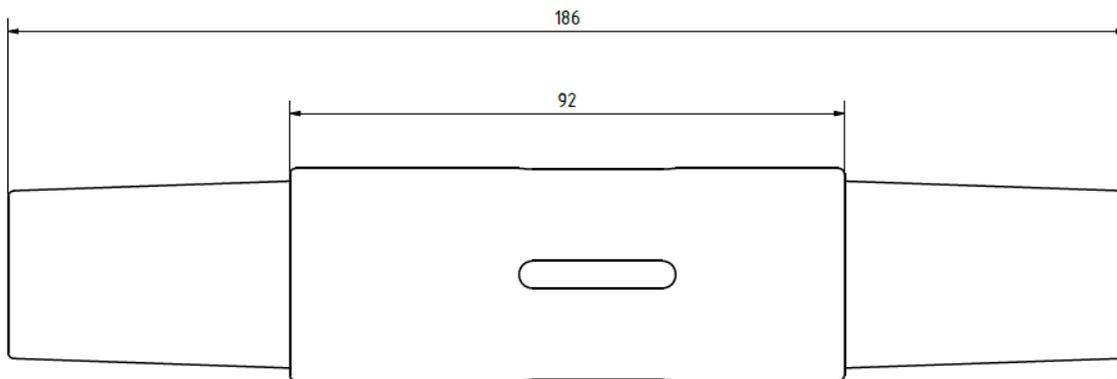
- Tensioned and current-proofed Cu, Cu-Steel, Steel or Bz cables.

Material

- Body - CuNiSi
- Collet – AlBz
- Spring – Stainless Steel



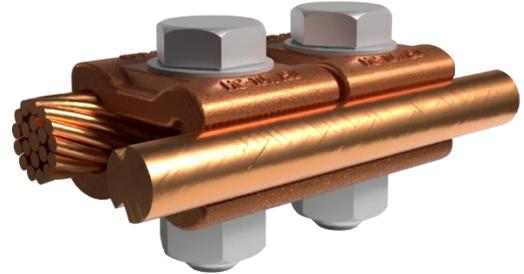
Part Number	BW Reference	Description	Breaking Load (kN)	Conductor Diameter (mm)	Service Load (kN)		Conductor Cross Section	Weight (Kg)
					Min	Max		
RCS-25-P-058	-	Conical Coupler	80	120	3	25	120 mm ²	0.612



Connection Clamp GPF – 70/150 M 1

Application

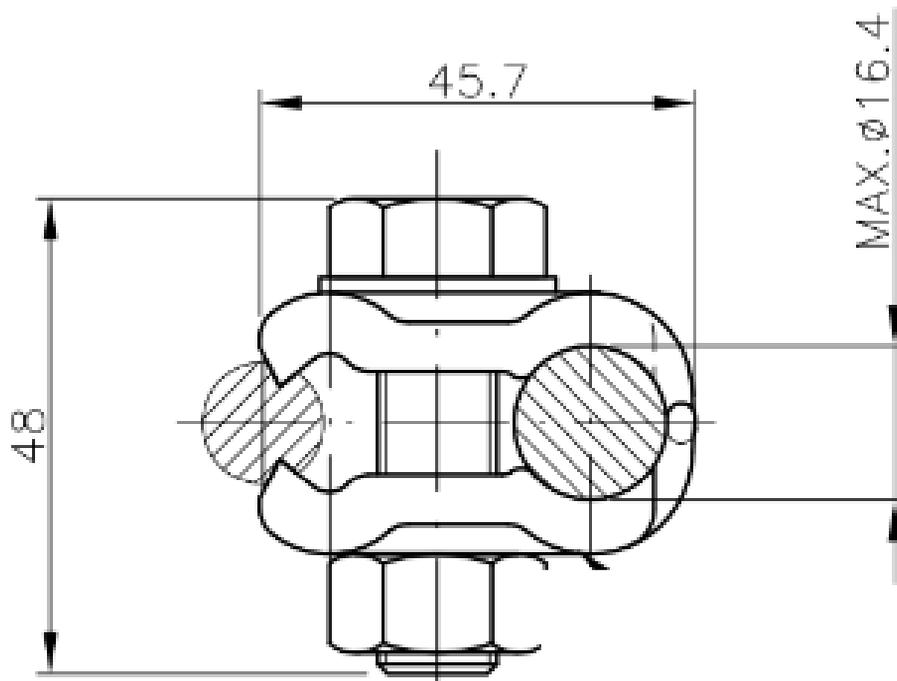
- Wires connection.
- Z-Wire
- Midpoint
- This clamp is used to anchor the Z-Wire to the messenger wire for midpoint.
- Bolted feeding jumpers as an alternative to compression assemblies.



Material

- Forged parts: CuNi2Si (CW111C) (EN12165)
- Screw: St. Steel (A2) (EN ISO 3506)
- Nuts: St. Steel (A2) (EN ISO 3506)
- Washer: St. Steel (A2) (EN ISO 3506)

Part Number	BW Reference	Contact Wire	Branch Wire Cross Section (mm ²)	Tightening Torque M12 (Nm)
325 102 003	M42517-01-D	AC/BC 80-150	Cu 70 – 150F	65



Single Contact Wire Clamp 80 – 150 mm

Application

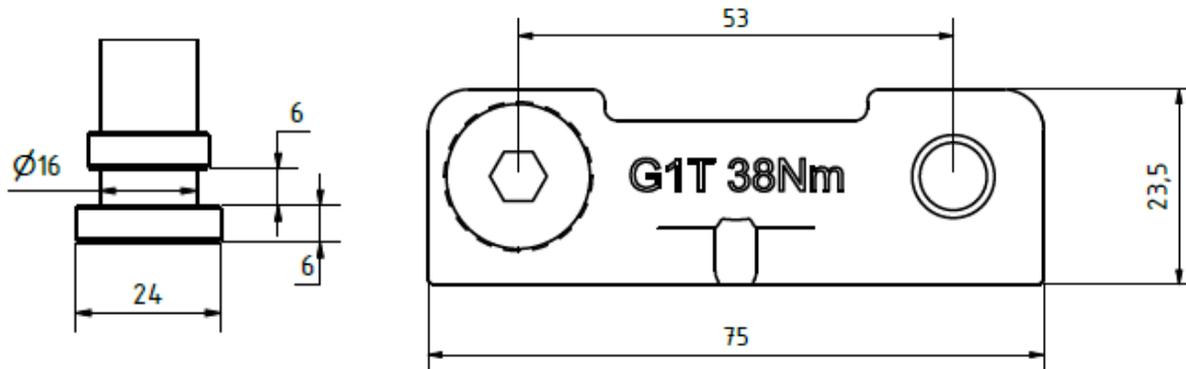
- Connection of contact wire to registration arm allowing for rotation.
- Used for cantilevers with forged and casted components.

Material

- Body: CuNi2Si (UNE EN-12165)
- External Tooth Star Washers: Stainless Steel (A2)
- Button Head Cap Screws : Stainless Steel (A2-80)



Part Number	BW Reference	Screw	Contact Wire	Tightening Torque M10	Weight (kg)
304 741 001	M42543-01-D	Hex	AC/BC 80-150	38	0.21



Twin Contact Wire Clamp

Application

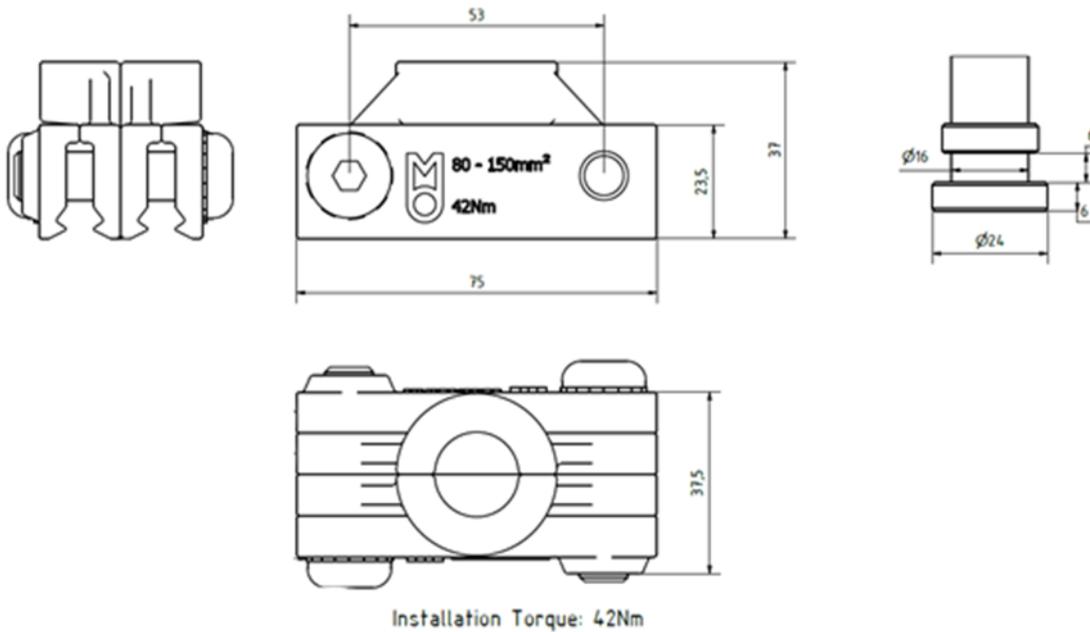
- Twin Contact Wire Clamp 80-150mm²

Material

- 1: Body - Outer: CuNi2Si (UNE EN-12165)
- 2: Body - Inner: CuNi2Si (UNE EN-12165)
- 3: External Tooth Star Washers: (Stainless Steel (A2))
- 4: Button Head Cap Screws: Stainless Steel (A2-80)



Part Number	BW Reference	Screw	Contact Wire	Tightening Torque M10	Weight (Kg)
RCS-24-P-020	M46395-01-A	Hex	AC/BC 80-150	42	0.41



Deltram Nipple

Application

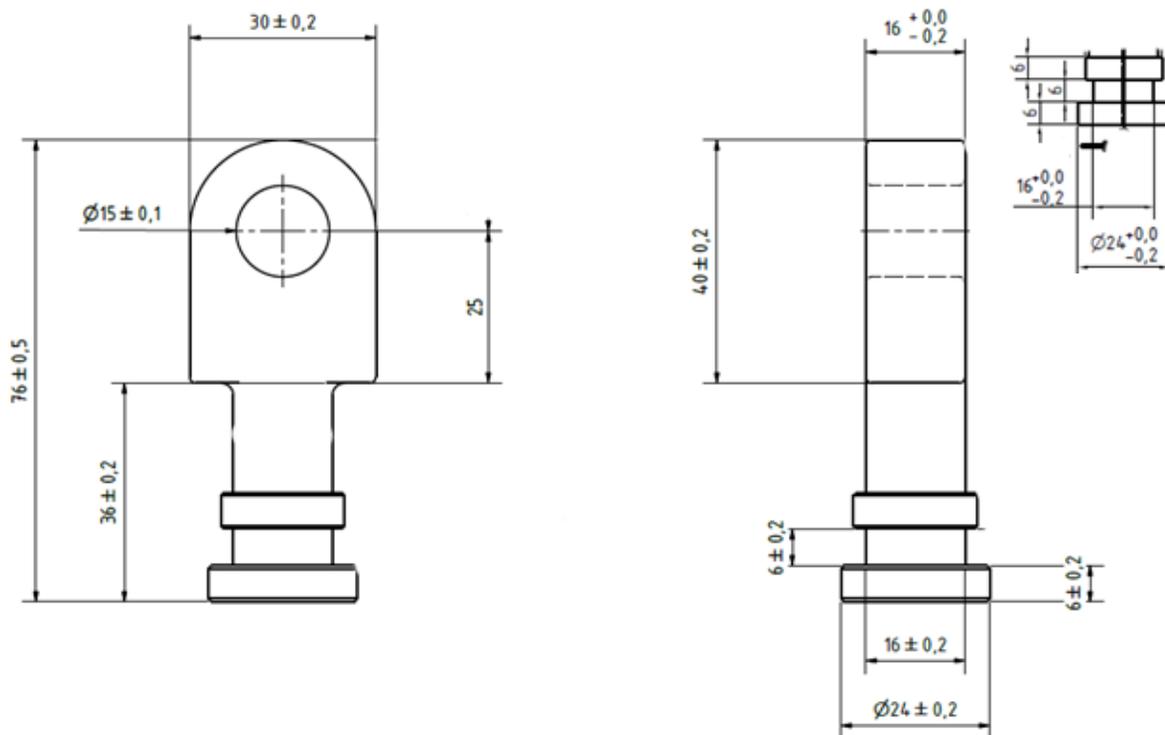
- Deltram Nipple - For Insulated Stitch Assemblies without Levers

Material

- `Stainless Steel



Part Number	BW Reference	Weight (kg)
244 004 020	M45073-01-D	0.193



Stitch Lever Assembly

Application

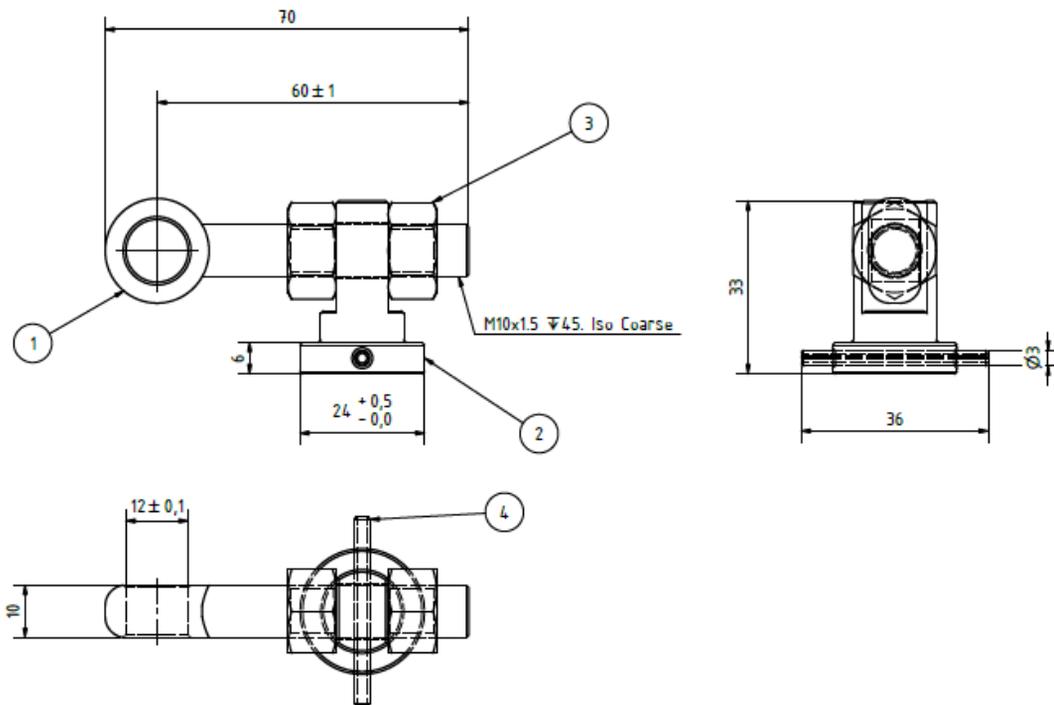
- For Insulated Stitch Assemblies with Levers

Material

- `Stainless Steel



Part Number	BW Reference	Weight (kg)
RCS-25-A-081	-	0.118
Part List		
Item	Qty	Description
1	1	M10 – Ø12 Eye Bolt – 45 mm Thread
2	1	Deltram Nipple – Levers
3	2	M10 A2 – 70 Hex Nut
4	1	Spring – Type Straight Pin – A2



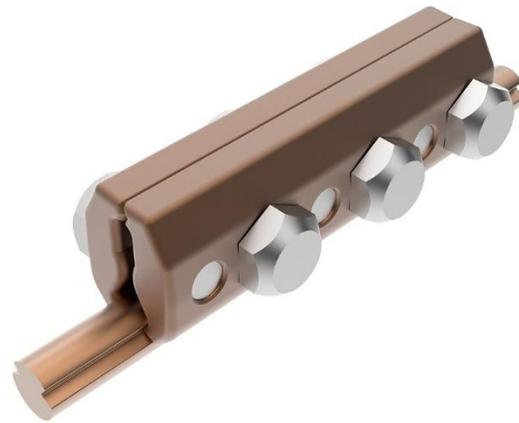
Wire Clamp

Application

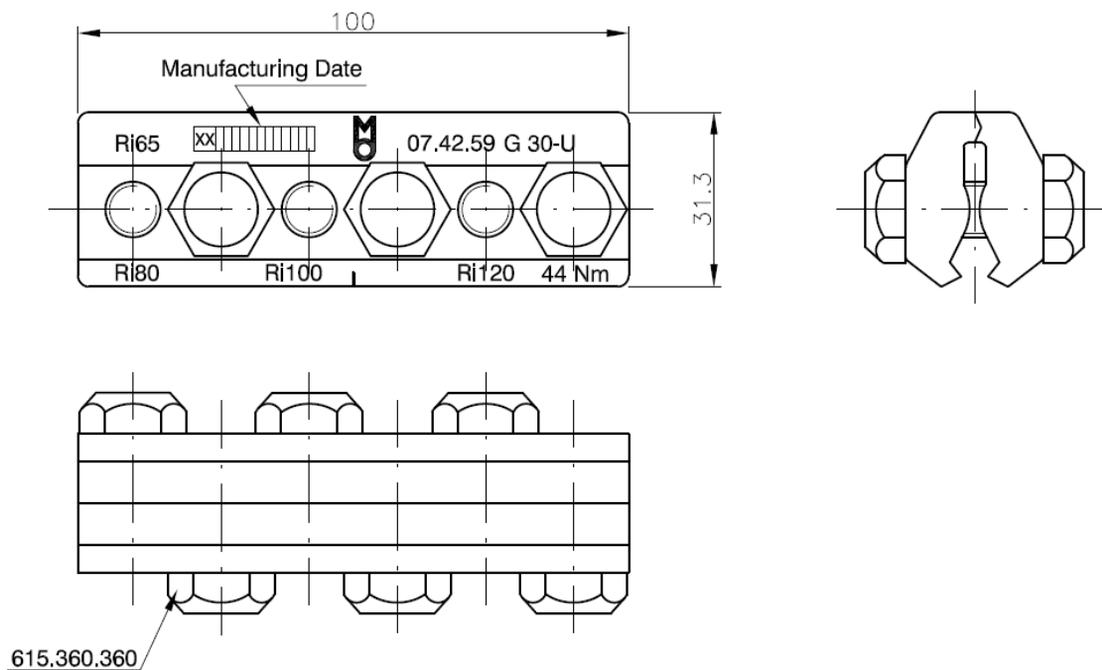
- Electrical and mechanical connection
- Traction wire splice
- This clamp is used to connect grooved overhead contact wires with full tension

Material

- Forged Parts: CuNi2Si (UNE-EN 12165)
- Screw: St. Steel (A2 (EN ISO 3506))



Part Number	BW Reference	Contact Wire	Tightening Torque M10 (Nm)	Weight (Kg)
302 537 537	M42543-01-D	Ac/BC 80-120	44	0.5



DROPPERS

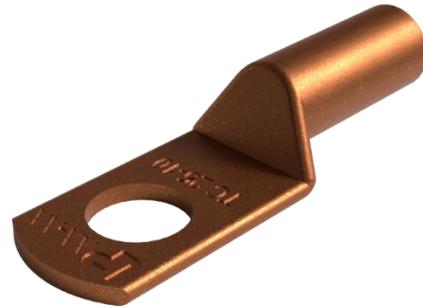
Cable Lugs

Application

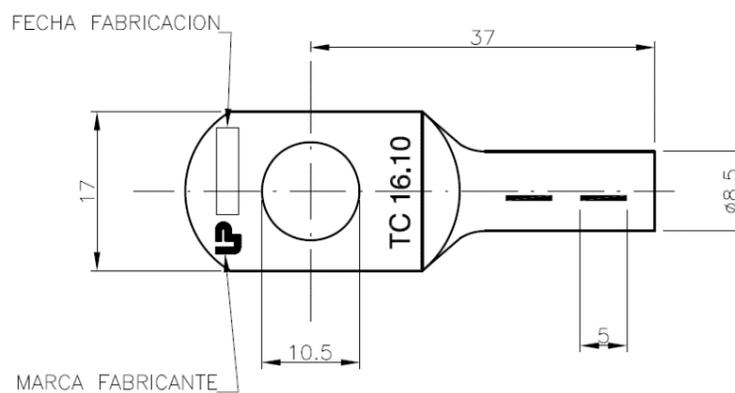
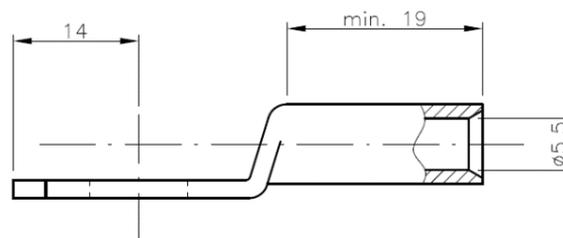
- Used on dropper equipotential loops.

Material

- Cu-ETP (EN12165)



Part Number	BW Reference	Compression Die	Wire Section (mm ²)
TC.16.10SE	-	300.353.356	10 – 12
TC.25.10SE	-	300.353.358	16 - 25



Copper Lug

Application

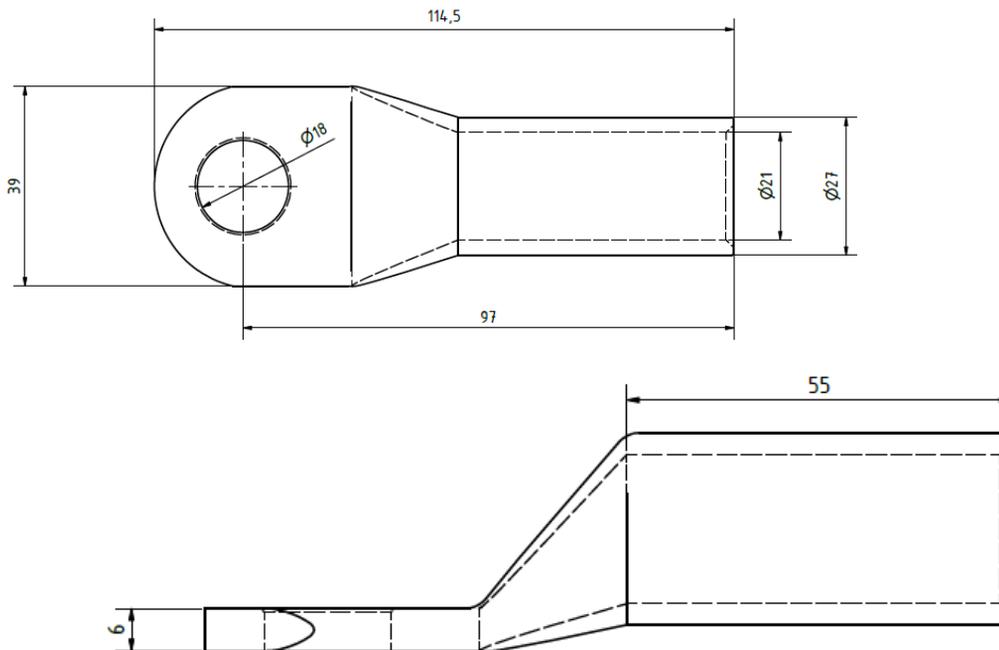
- Conductor termination

Material

- Tinned Copper



Part Number	BW Reference	Description	Material Electrolytic	Surface Treatment	Minimum Operating Temperature	Maximum Operating Temperature	Maximum Operating Voltage	Weight (kg)
RCS-24-P-860	A 30-M 16	Copper Lug 240 sq mm	>99.95% pure Copper	Tin Plated	- 50 °C	+ 150 °C	35kV	0.194



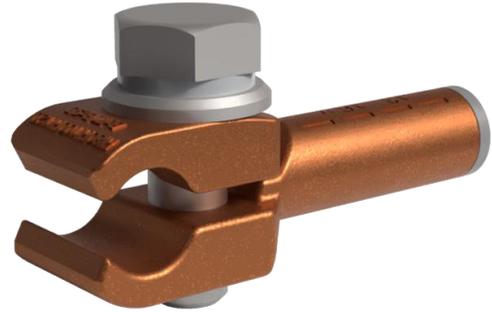
Cold Forged Crimped Dropper Clamp

Application

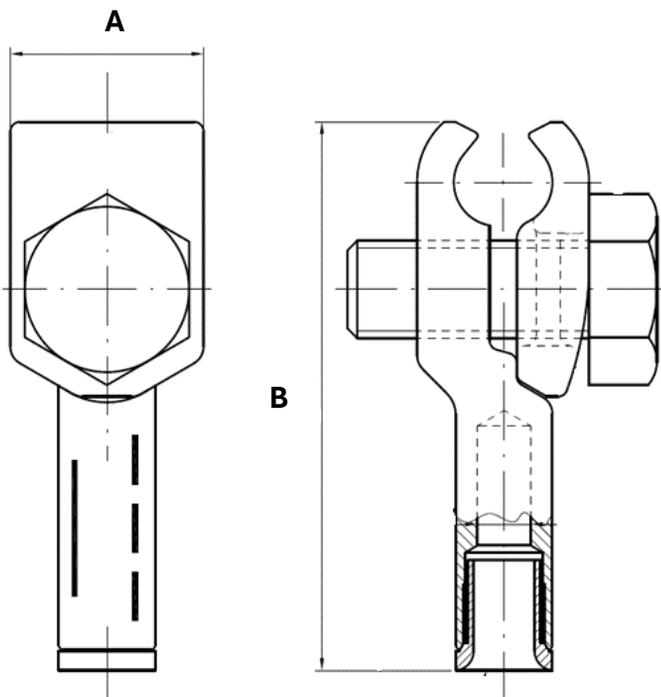
- Used on droppers on both ends crimped.

Material

- Hot forged parts: CuNi2Si (UNE-EN 13599)
- Screw: St. Steel (A2/A4) (EN ISO 3506)



Part Number	BW Reference	Contact Wire Section (mm ²)	Catenary Wire Section (mm ²)	Dropper Wire Cross Section (mm ²)	A (mm)	B (mm)	Tightening Torque (mm ²)	Compression Die
302.823.003	-	AC / BC 80 -120	50	10	20	56.3	30	300.353.358
302.825.825	-	AC / BC 80 - 120	50	25	20	57	30	300.353.361
303.848.002	-	AC / BC 80 - 120	70 - 95	16	20	69	30	300.353.361



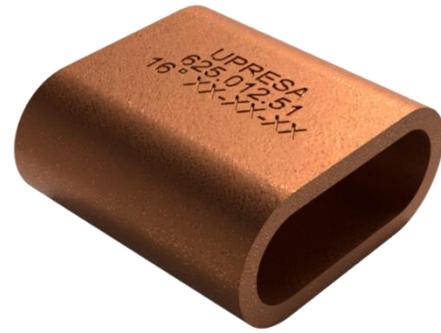
Compression Sleeve

Application

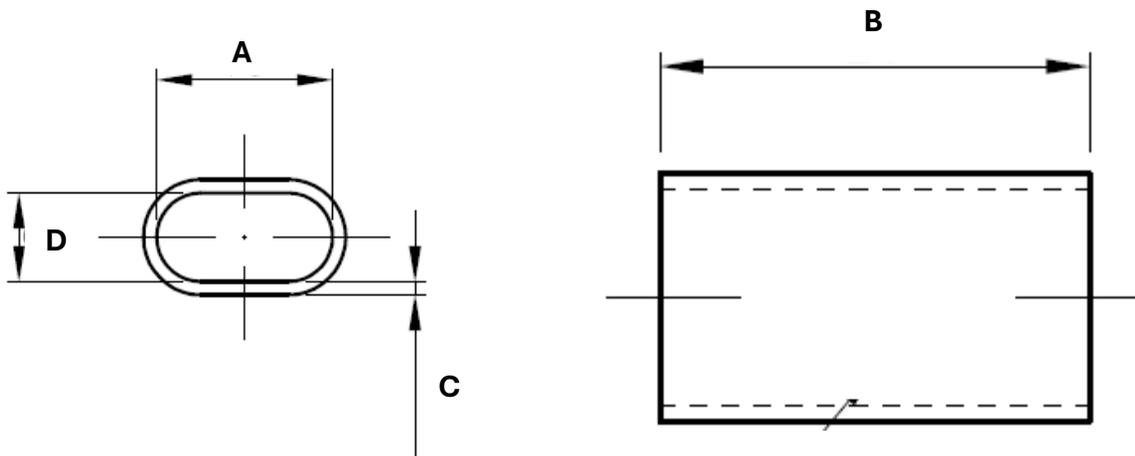
- This part is used for protecting the wire from wearing.

Material

- Cu-ETP (EN12165)



Part Number	BW Reference	A	B	C	D	Compression Die	Wire Section (mm ²)
625.012.41	-	10	20	0.75	5	HG.10.PO.8	10F
625.012.M3V	-	-	-	-	-	HG.15.PO.8	12F
625.012.51	-	17.5	20	1.50	10	HG.16.PO.11	16F
625.012.61	-	-	-	-	-	HG.17.PO.11	25F



Dropper Assemblies

Application

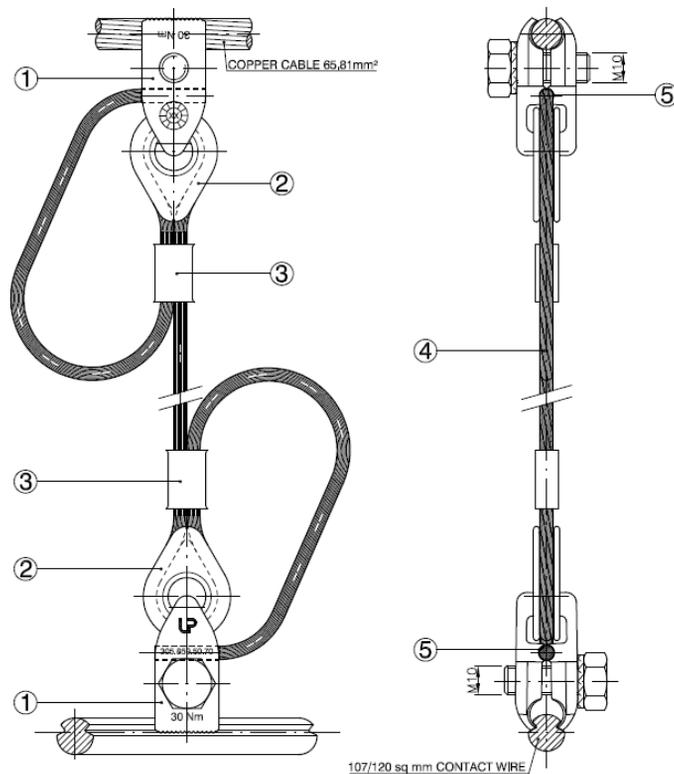
- Used for full current carrying suspension/ connection from / to the contact wire on the messenger wire.
- Can be supplied as a full assembly.

Material

- See table.



PADS No.	UKMS	Part Number	Parts					
			No.	Description	Qty.	Reference	Material	UNE
0091/000153	C99/F01/003	PE.HC 107/CU70.10 V2	1	Hanger Clamp 1 C.W	2	305.859.50.70	CuNi2Si	EN 12165
			2	Thimble Nylon	2	625.012.P10	Nylon	N/A
			3	Compression Sleeve	2	625.012.41	Cu - ETP	EN 13600
			4	Bz. Cable 10 sq mm	1	N/A	N/A	N/A
			5	Compression Sleeve	2	OC.10.1	Cu - ETP	EN 13600



Dropper Clamp for Contact Wire

Application

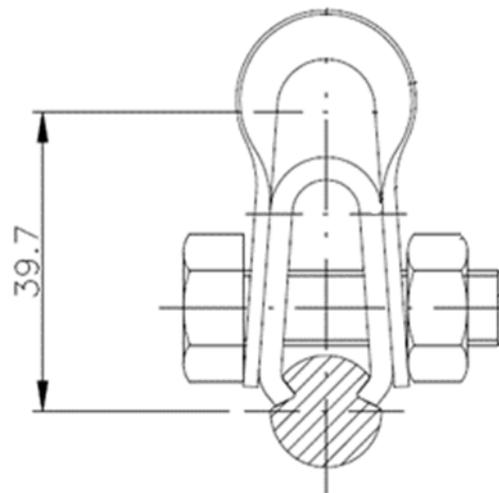
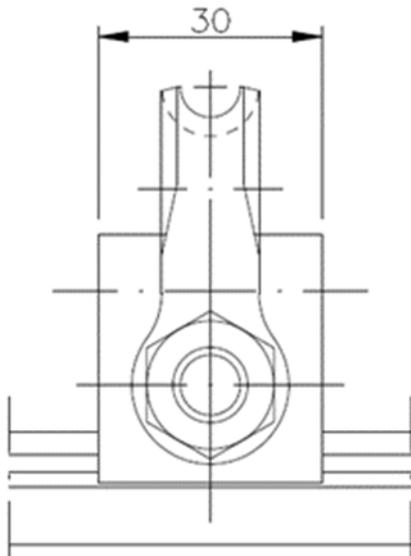
- Used to connect droppers to the contact wire.

Material

- Forged parts: CuNi2Si (UNE-EN 12165)
- Screw: St. Steel (A2/A4) (EN ISO 3506)
- Nut: St. Steel (A2/A4) (EN ISO 3506)



Part Number	BW Reference	Branch Wire Cross Section (mm ²)	Diameter (mm)	Tightening torque (Nm)
625.012.CONJ	-	AC/BC 80-150	CuNi2Si	25



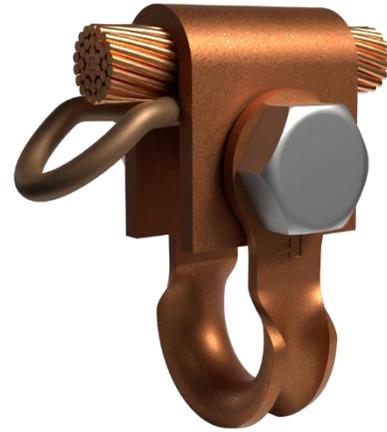
Dropper Clamp for Messenger Wire

Application

- Used to connect droppers to the catenary wire.

Material

- Forged parts: CuNi2Si (UNE-EN 12165)
- Screw: St. Steel (A2/A4) (EN ISO 3506)
- Nut: St. Steel (A2/A4) (EN ISO 3506)



Part Number	BW Reference	Wire Section (mm ²)	Material	Tightening torque (Nm)
625.012.CONJ.25	-	25	CuNi2Si	25
625.012.CONJ.35	-	35	CuNi2Si	25
625.012.CONJ.70H	-	65 – 70	CuNi2Si	25
625.012.CONJ.95	-	95	CuNi2Si	25
625.012.CONJ.120	-	120	CuNi2Si	25
625.012.CONJ.150	-	150	CuNi2Si	25

Hot Forged Bolted Dropper Clamp

Application

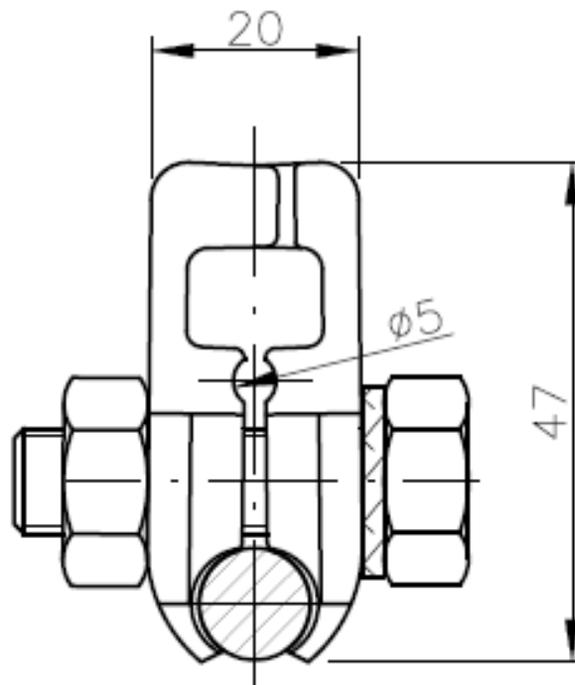
- Dropper clamps able to be installed in either contact wire or catenary wire.

Material

- Hot forged parts: CuNi2Si (EN12165)
- Screw: St. Steel (A2/A4) (EN ISO 3506)
- Washer: St. Steel (A2/A4) (EN ISO 3506)



Part Number	BW Reference	A	B	Contact Wire Section (mm ²)	Messenger Wire Section (mm ²)	Tightening Torque (mm ²)
305.859.50.70	-	20	47	AC / BC -107-150	50 – 70	30
305.859.120	-			AC / BC -107-150	95 - 120	30
305.859.002	-			AC / BC -107-150	150 - 185	30
305.859.300	-	24	64.61	N/A	300	30



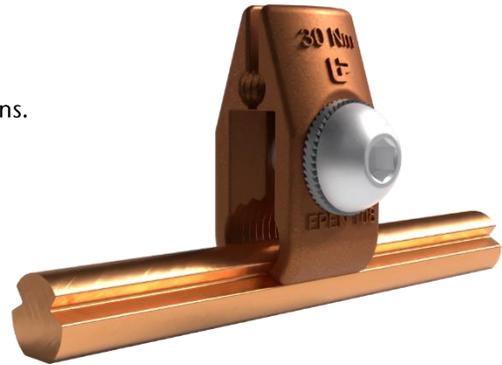
Rigid Dropper Clamp

Application

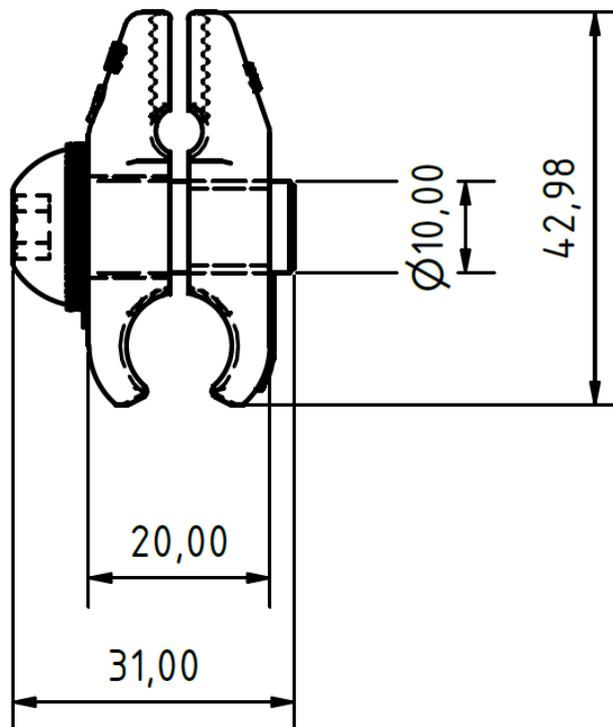
- Droppers for narrow system heights on reduced clearance locations.

Material

- Forged parts: CuNi2Si (UNE-EN 12165)
- Screw: St. Steel (A2/A4) (EN ISO 3506)
- Washer: St. Steel (A2/A4) (EN ISO 3506)



Part Number	BW Reference	Contact Wire Section (mm ²)	Tightening Torque (mm ²)
EPEN.108	-	BC 107 -150	30



Thimble

Application

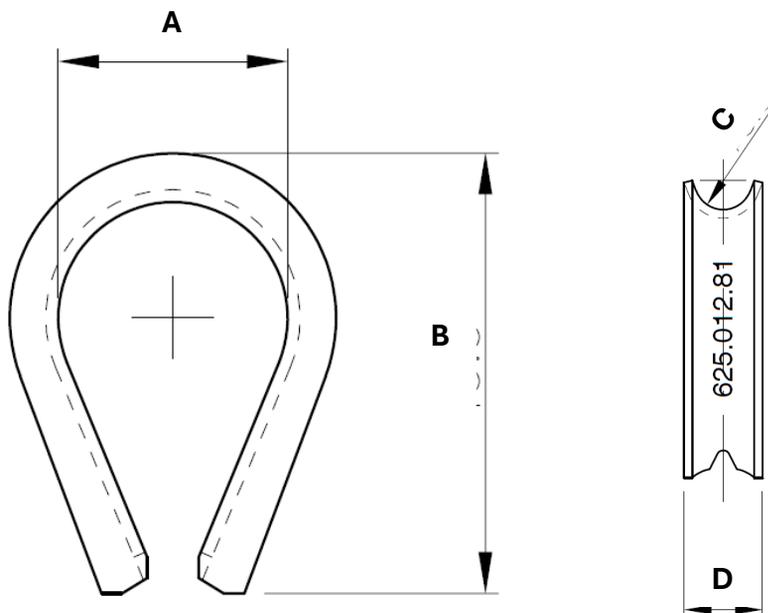
- This part is used for protecting the wire from wearing.

Material

- See table below



Part Number	BW Reference	A	B	C Ø	D	Material	Wire Section (mm ²)
625.012.712V1	-					St. Steel A2 / A4	10 – 12
625.012.712CU	-					Cu – ETP	10 – 12
625.012.81	-	22.5	43.5	8.5	11.5	St. Steel A2 / A4	16 – 25
625.012.71	-	14.5	27	8	10.5	Cu – ETP	16 – 25
625.012.91	-					St. Steel A2 / A4	65



INSULATORS

Cantilever Insulator

Application

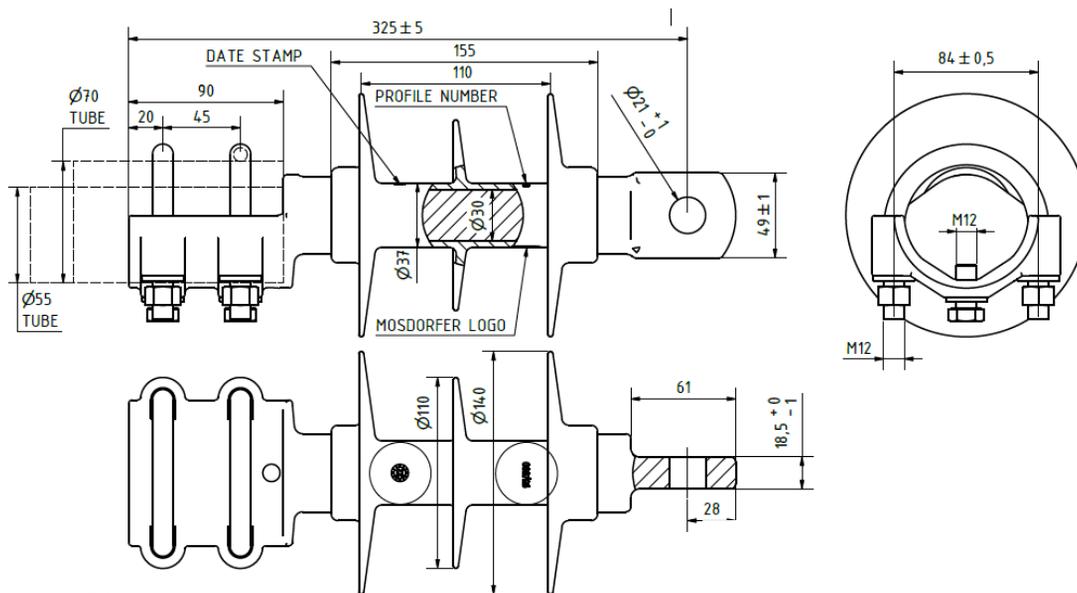
- 95/380 Tongue and 55 – 70 Pipe End 8kN



Material

- Housing: Injection moulded HTV Silicone with ATH Filler (Grey RAL 7040, min. 3mm thk)
- Composite core: Pultruded ECR-Glass Fibre and Epoxy Resin (Ø30mm Rod)
- End fittings: Steel – Hot Dip Galv. In acc. To ISO 1461 (min ave. 85µm)

Part Number	Power Frequency withstand Voltage (kV)	Lightning impulse withstand voltage (kV)	Minimum dry arcing distance (mm)	Minimum Creepage Distance (mm)	Specified Cantilever Load (kN)	Max Design Cantilever load (MDCL) (kN)	Specified Tensile Load (STL) (kN)	Number of sheds	Ø	Weight (Kg)
803 022 001	40	95	205	380	8	3	25	2/1	55 - 77	2.477
803 022 001 - 00001	40	95	205	380	8	3	25	2/1	38 - 50	3.1



Tension Insulator

Application

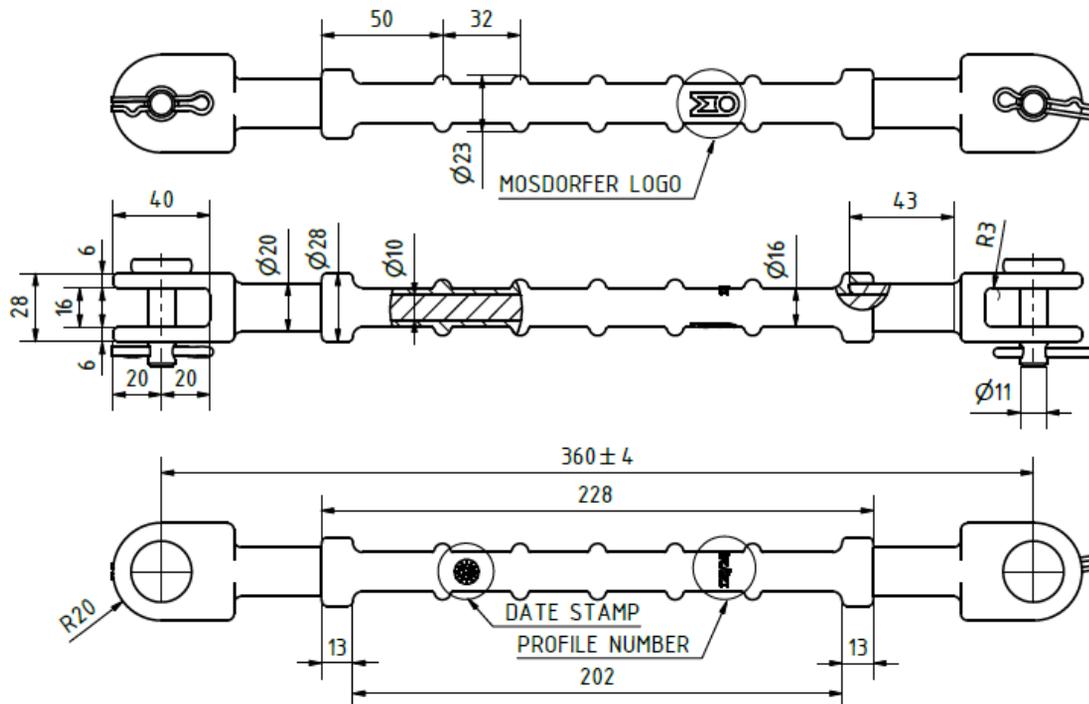
- Tension insulator 125/240 Clevis & Clevis 20 kN



Material

- Polymeric Housing: Injection moulded HTV Silicone Rubber with ATH Filler (Grey RAL 7040, min 3mm thk)
- Composite core: Pultruded ECR – Glass Fibre and Epoxy Resin (Ø 10mm Rod)
- End fitting Steel: Hot dip Galv. In acc. To EN ISO 1461. (min.ave. 85µm)

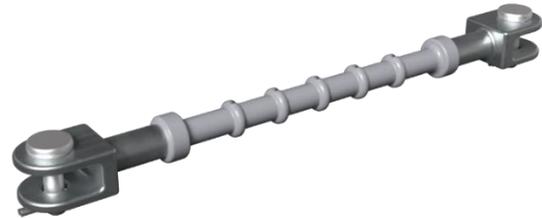
Part Number	BW Reference	Power Frequency withstand Voltage (kV)	Lightning impulse withstands voltage (kV)	Minimum dry arcing distance (mm)	Minimum Creepage Distance (mm)	Specified Mechanical Load (SML) (kN)	Routine Test Load (RTL) (kN)	Number of sheds	Mass (kg)
801 011 001	M46149-01-D	40	125	228	240	20	10	5	1.4



Tension Insulator

Application

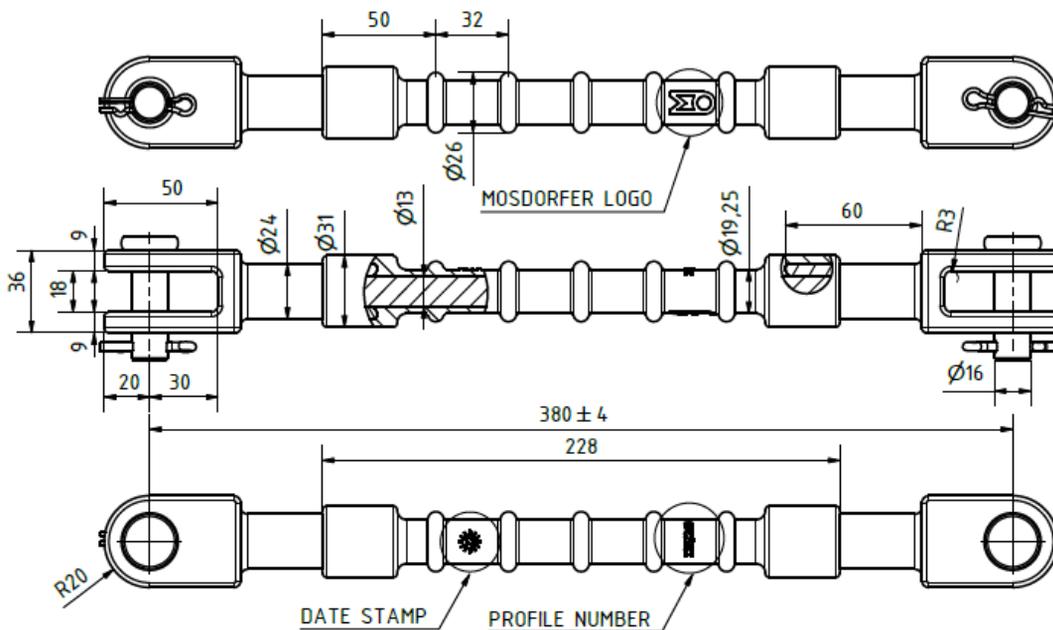
- Tension insulator 125/240 Clevis & Clevis 70 kN



Material

- Polymeric Housing: Injection moulded HTV Silicone Rubber with ATH Filler (Grey RAL 7040, min 3mm thk)
- Composite core: Pultruded ECR – Glass Fibre and Epoxy Resin (Ø 12mm Rod)
- End fitting Steel: Hot dip Galv. In acc. To EN ISO 1461. (min.ave. 85µm)

Part Number	BW Reference	Power Frequency withstand Voltage (kV)	Lightning impulse withstand voltage (kV)	Minimum dry arcing distance (mm)	Minimum Creepage Distance (mm)	Specified Mechanical Load (SML) (kN)	Routine Test Load (RTL) (kN)	Number of sheds	Mass (kg)
801 021 001	-	40	125	228	240	70	35	5	1.9



GRP Insulator

Application

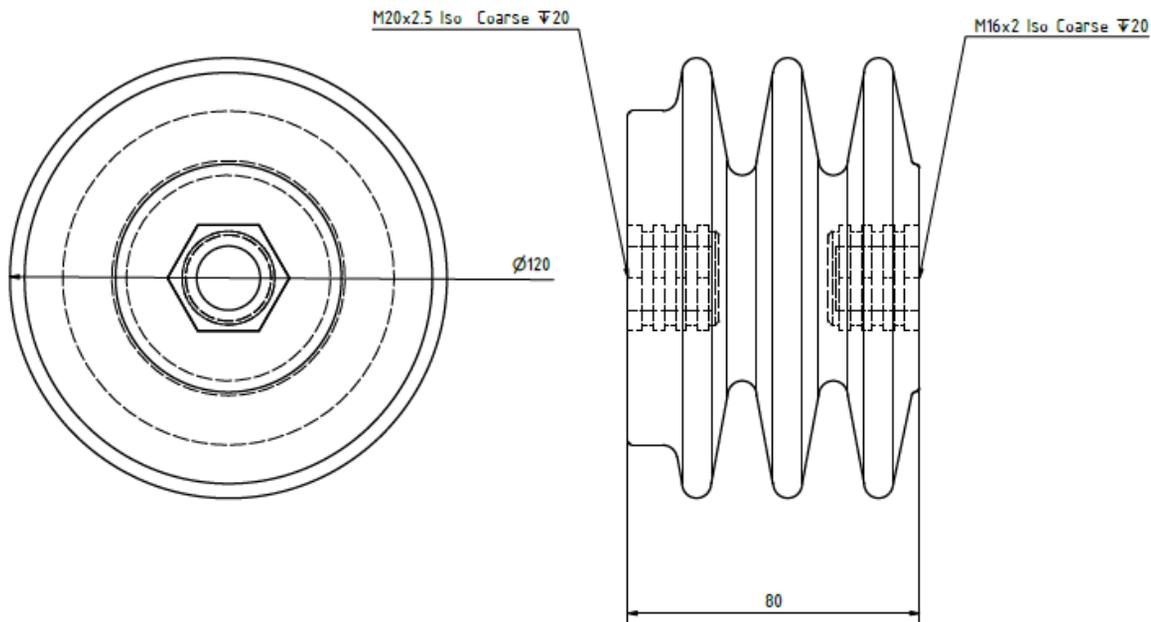
- Cantilever Insulator 65/200 M16-M20

Material

- Polymeric housing: flame retardant glass reinforced polyester
- End fittings: brass



Part Number	BW Reference	One Minute Power Frequency withstand voltage (50Hz, Wet) (kV)	Lightning Impulse withstand Voltage (1.2/50, positive) (kV)	Minimum Dry Arcing Distance (mm)	Minimum Creepage Distance (mm)	Specified Cantilever Load (Perpendicular to Track) (kN)	Specified Cantilever Load (In line with Track) (kN)	Specified Compression Load (kN)	Number of Sheds Small/Large	Estimated Mass (kg)
801 042 001	M03991-01-A	15	65	100	200	6	12	60	3	1.3



Insulated Knuckle Bar Assembly

Application

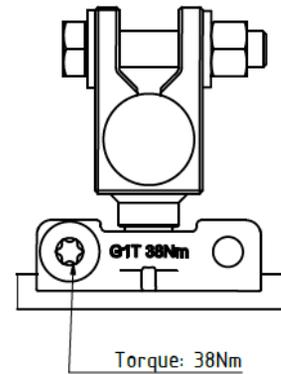
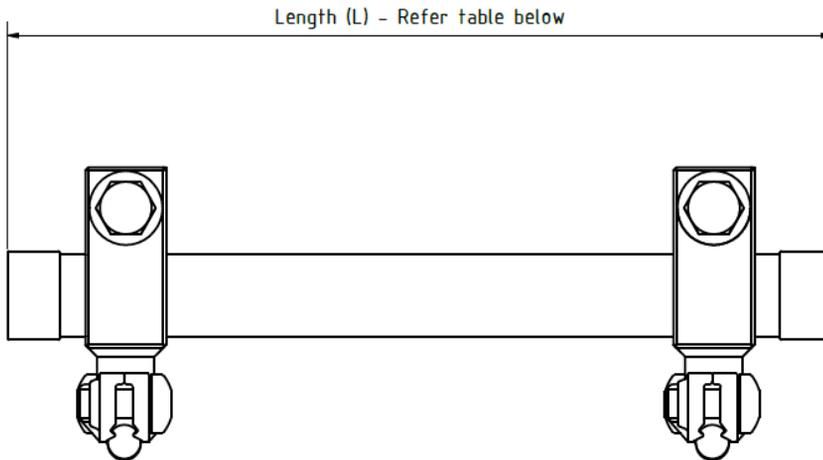
- Fixed distance separation of contact wire

Material

- GRP rod, Stainless Steel, Copper and Rubber Caps.



Part Number	BW Reference	Length (L)	Insulator	Registration Clamp Arm	Contact Wire Clamp
RCS-25-P-049-4	M41631-04-A	1000 mm	RCS-25-P-051-4	RCS-25-P-050	304 741 001
RCS-25-P-049-3	M41631-01-A	750 mm	RCS-25-P-052-3	RCS-25-P-050	304 741 001
RCS-25-P-049-2	M41631-02-A	500 mm	RCS-25-P-051-2	RCS-25-P-050	304 741 001
RCS-25-P-049-1	M41631-03-A	250 mm	RCS-25-P-051-1	RCS-25-P-050	304 741 001



Insulated Stitch

Application

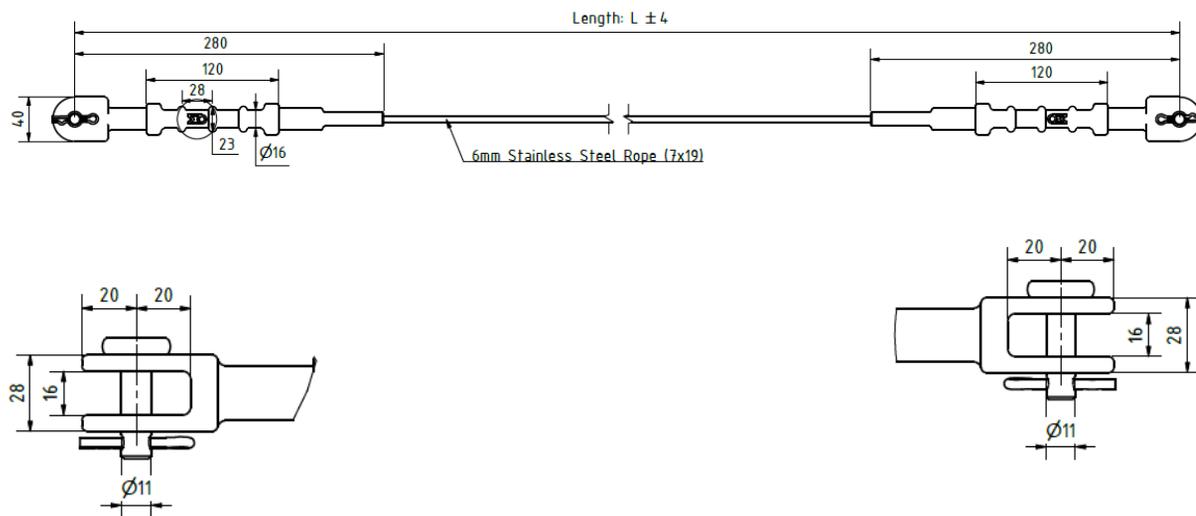
- Stitch insulator 75/135 Clevis & Clevis - L 20kN
- Insulated Stitch without nuggets for fixed tension.



Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)

Part Number	BW Reference	Power Frequency withstand Voltage (kV)	Lightning impulse withstands voltage (kV)	Minimum dry arcing distance (mm)	Minimum Creepage Distance (mm)	Specified Mechanical Load (SML) (kN)	Routine Test Load (RTL) (kN)	Length (L) (mm)	Number of sheds
801 031 001 – 10000	M45035-00-D-02	15	75	120	135	20	10	1000	3
801 031 001 – 15500	-	15	75	120	135	20	10	1550	3
801 031 001 – 30000	M45035-00-D-001	15	75	120	135	20	10	3000	3
801 031 001 – 50000	-	15	75	120	135	20	10	5000	3



Insulated Stitch with Nuggets

Application

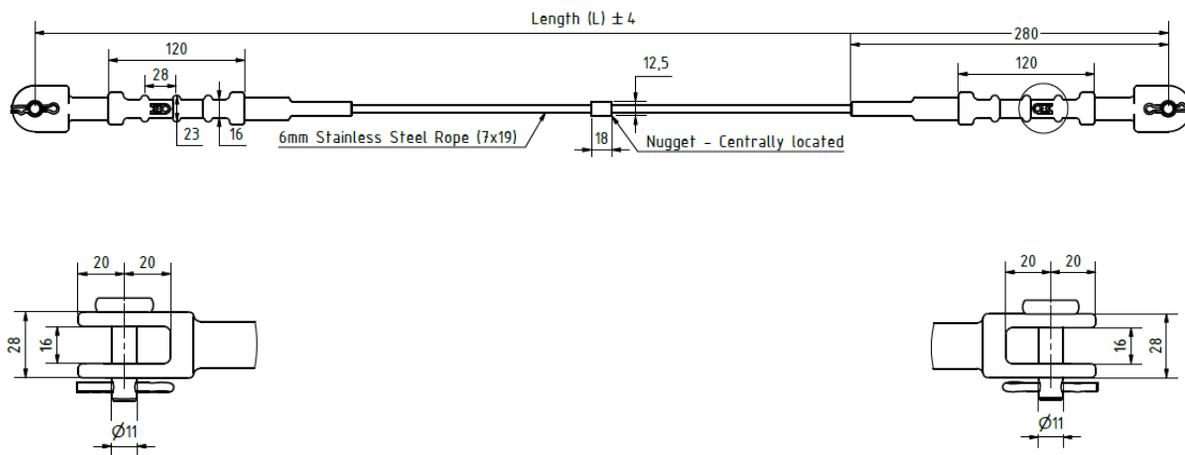
- Stitch insulator 75/135 Clevis & Clevis - L with Nuggets 20kN
- Insulated stitched with nuggets for auto tension.



Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)

Part Number	BW Reference	Power Frequency withstand Voltage (kV)	Lightning impulse withstand voltage (kV)	Minimum dry arcing distance (mm)	Minimum Creepage Distance (mm)	Specified Mechanical Load (SML) (kN)	Routine Test Load (RTL) (kN)	Length (L) (mm)	Number of sheds
801 031 001 – 10001	M45035-00-D-004	15	75	120	135	20	10	1000	3
801 031 001 - 15501	M45035-00-D-005	15	75	120	135	20	10	1550	3
801 031 001 – 30001	M45035-00-D-003	15	75	120	135	20	10	3000	3
801 031 001 - 50001	M45035-00-D-006	15	75	120	135	20	10	5000	3



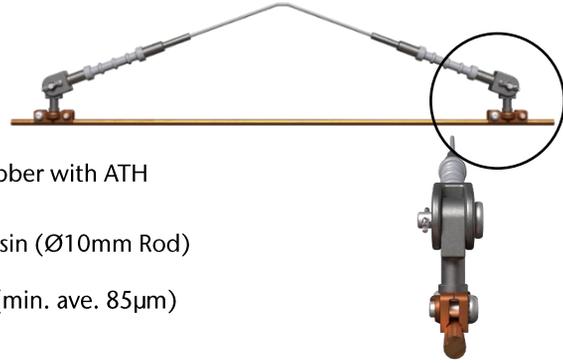
Insulated Stitch Assembly Single Contact Wire

Application

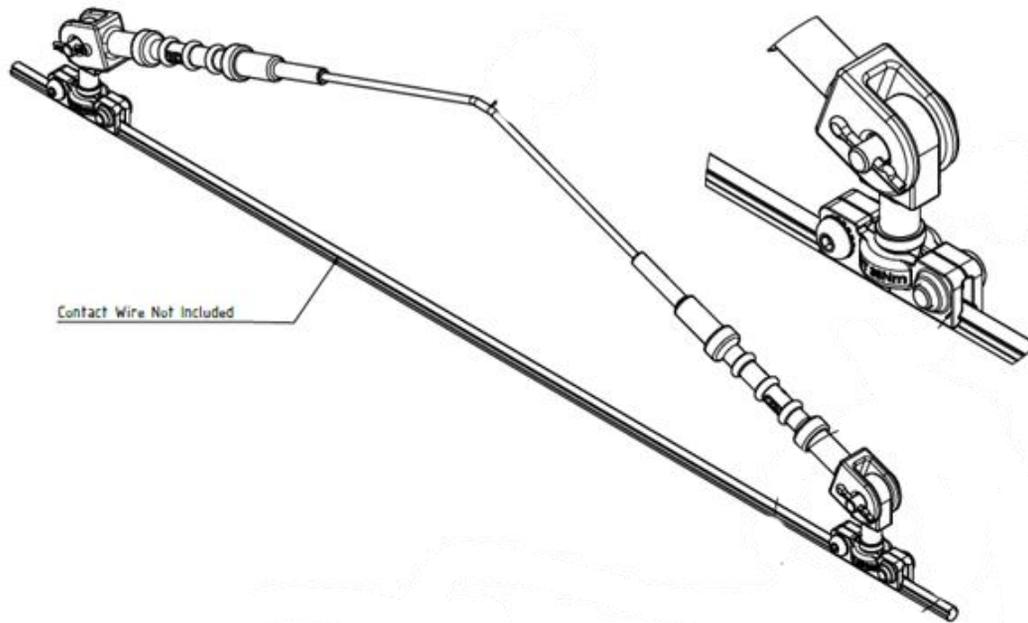
- Insulated Stitch with Single Contact Wire w/o Nuggets.

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-048	-	1000
RCS-25-A-049	M45071-01-A	1550
RCS-25-A-050	-	3000
RCS-25-A-051	-	5000



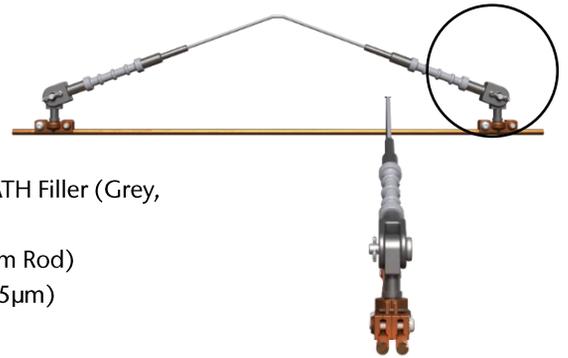
Insulated Stitch Assembly Twin Contact Wire

Application

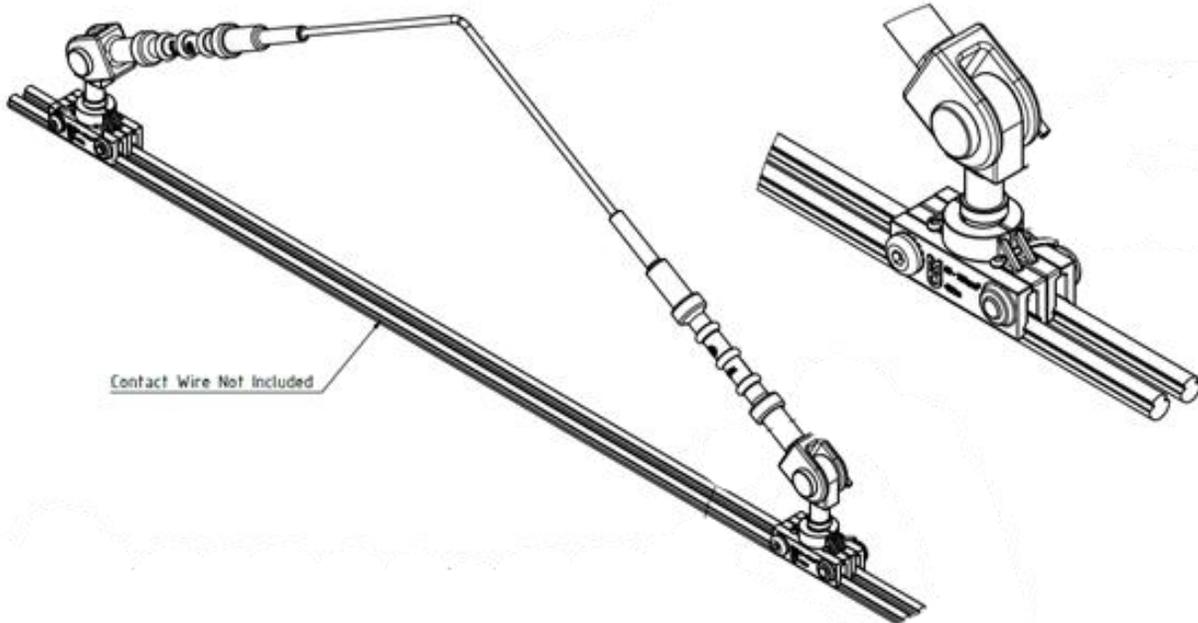
- Insulated Stitch Assembly w/o Nugget - Twin Wire

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-056	M45071-06-A	1000
RCS-25-A-057	M45071-08-A	3000
RCS-25-A-058	M45071-10-A	1550
RCS-25-A-059	-	5000



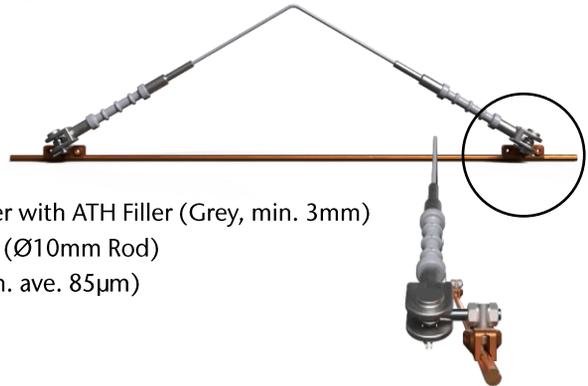
Insulated Stitch Assembly with Levers Single Contact

Application

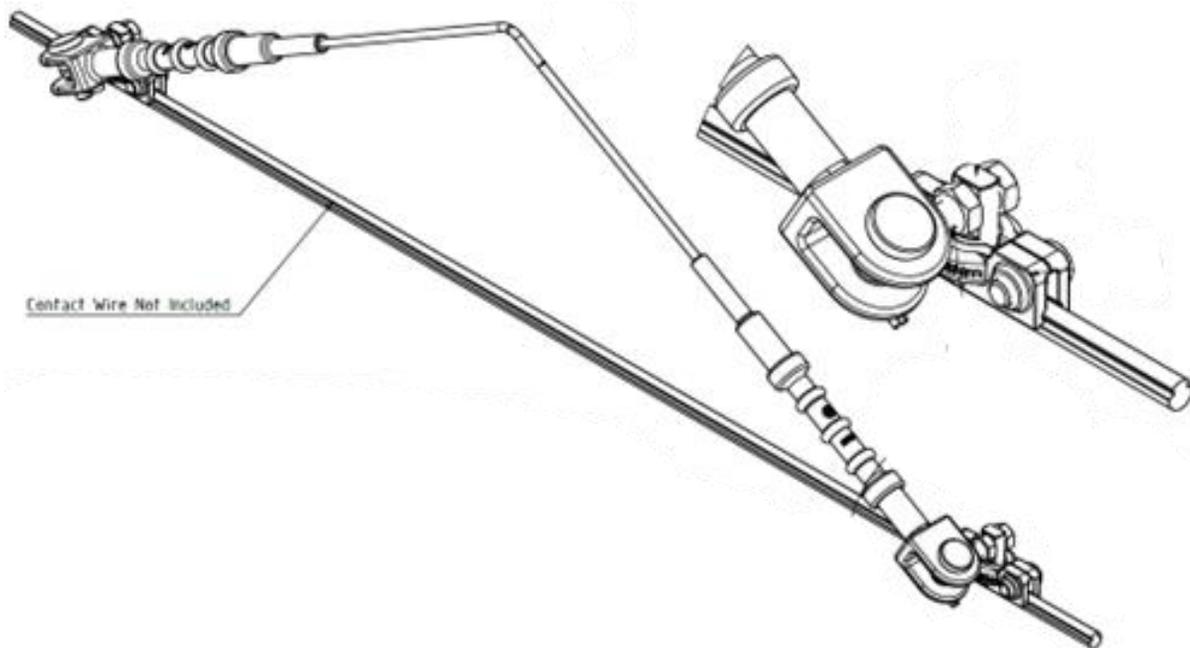
- Insulated Stitch with Levers

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-036	M45070-01-A	1000
RCS-25-A-037	M45070-08-A	1550
RCS-25-A-038	M45070-02-A	3000
RCS-25-A-039	-	5000



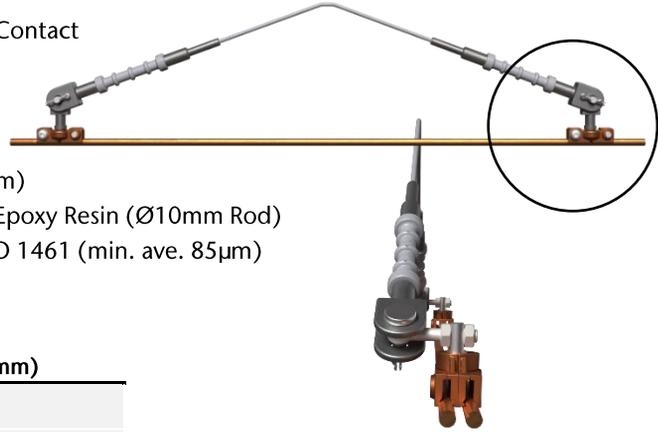
Insulated Stitch Assembly with Levers Twin Contact

Application

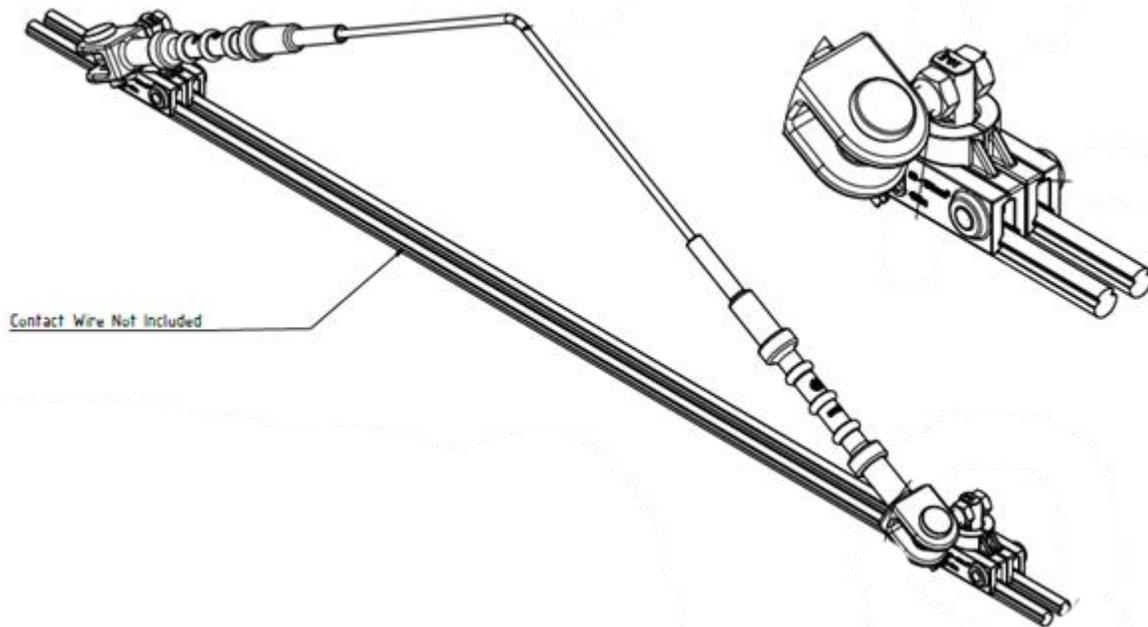
- Insulated Stitch Assembly w/o Nugget – Twin Contact

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-064	-	1000
RCS-25-A-065	M45070-09-A	1550
RCS-25-A-066	-	3000
RCS-25-A-067	-	5000



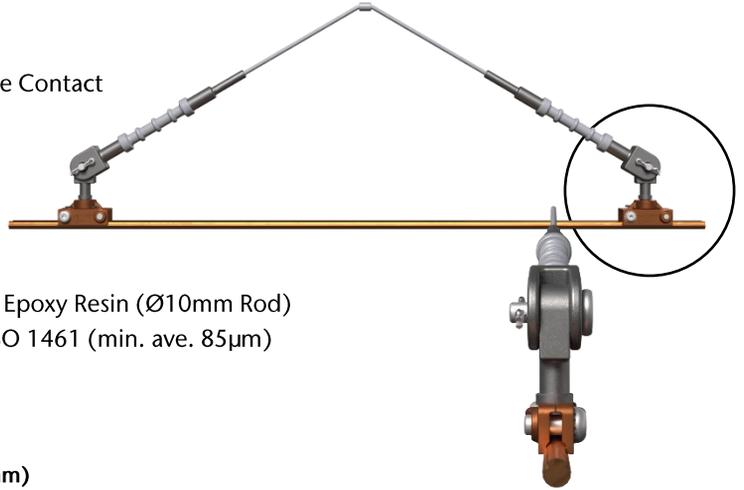
Insulated Stitch Assembly with Nuggets Single Contact

Application

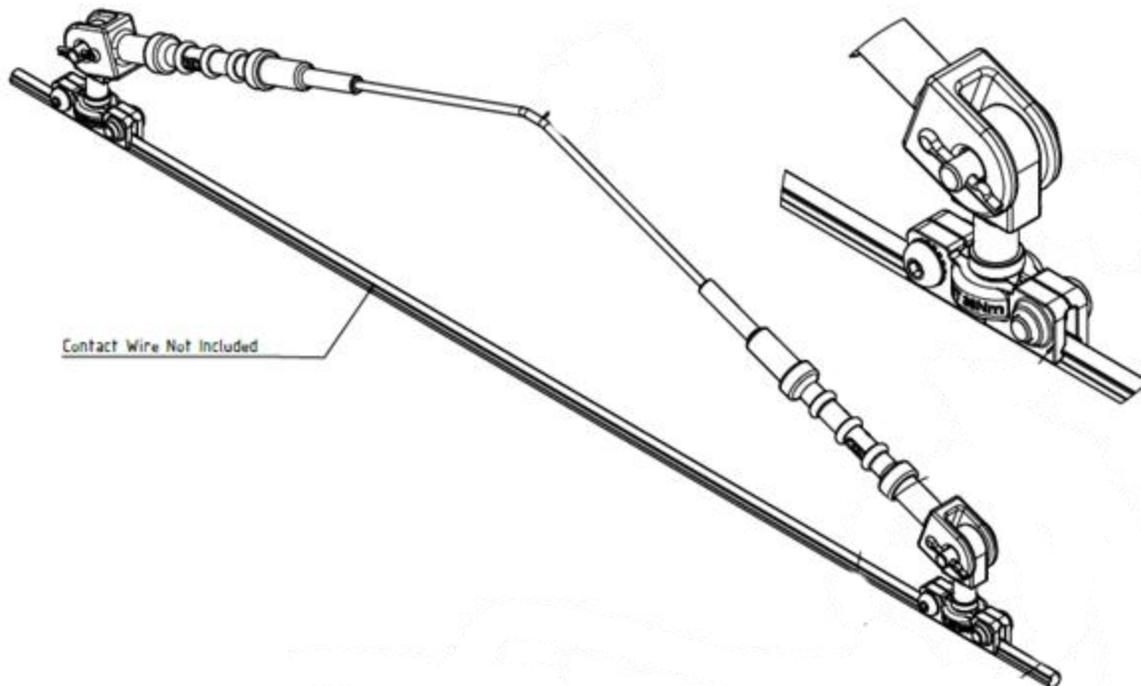
- Insulated Stitch Assembly with Nugget – Single Contact

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Referencer	Length (L) (mm)
RCS-25-A-052	M45071-04-A	1000
RCS-25-A-053	-	1550
RCS-25-A-054	M45071-03-A	3000
RCS-25-A-055	-	5000



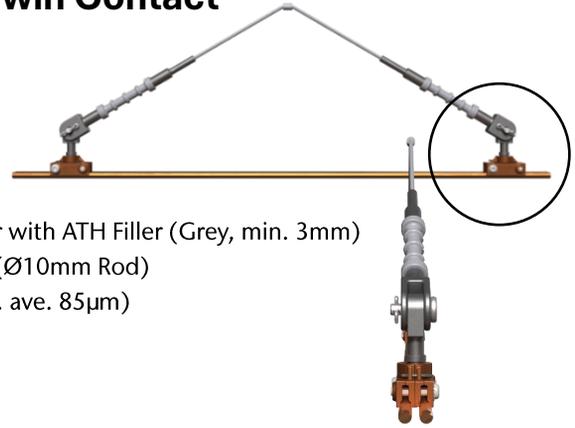
Insulated Stitch Assembly with Nuggets Twin Contact

Application

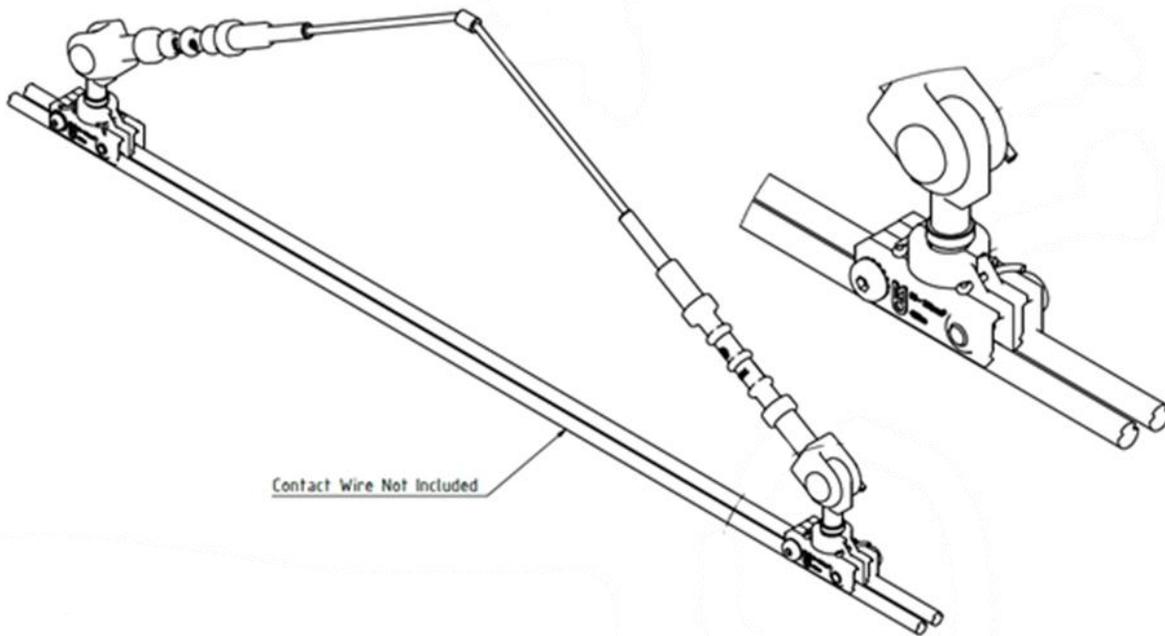
- Insulated stitch with nugget - Twin Contact Wire

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-056	M45071-06-A	1000
RCS-25-A-057	M45071-08-A	3000
RCS-25-A-058	M45071-10-A	1550
RCS-25-A-059	-	5000



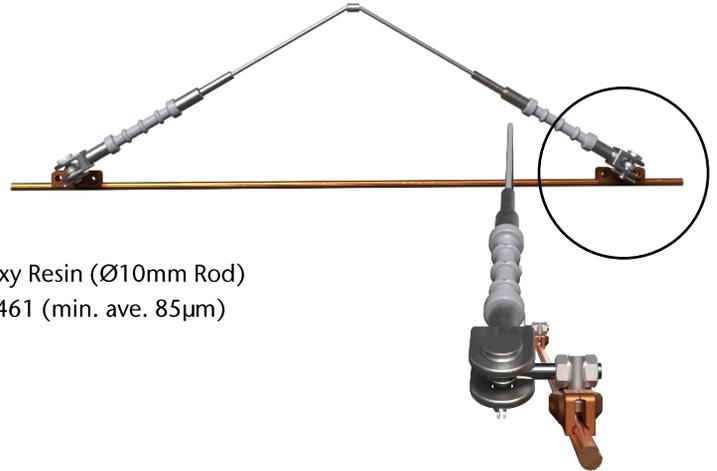
Insulated Stitch with Levers and Nuggets Single Contact

Application

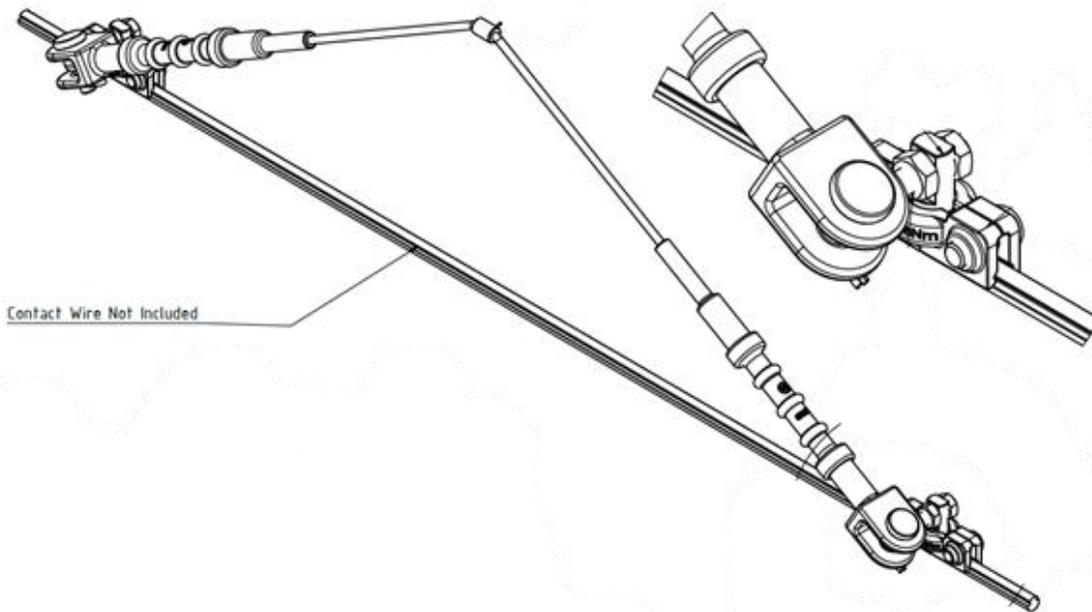
- Insulated Stitch with Levers and Nuggets

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-040	M45070-04-A	1000
RCS-25-A-041	M45070-06-A	1550
RCS-25-A-042	M45070-03-A	3000
RCS-25-A-043	-	5000



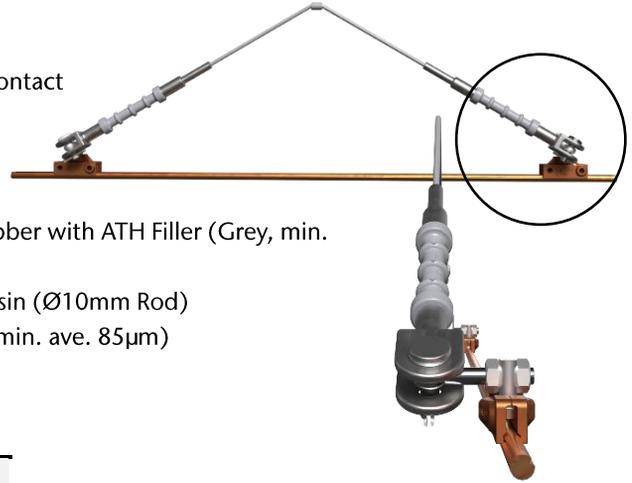
Insulated Stitch with Levers and Nugget Twin Contact Wire

Application

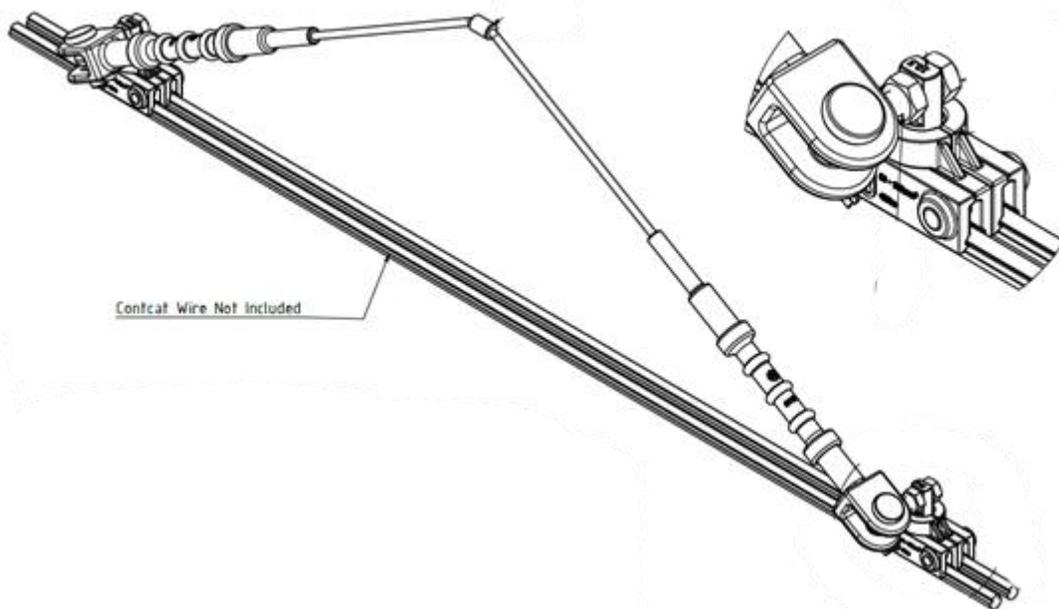
- Insulated Stitch Assembly with Levers & Nugget Twin Contact Wire

Material

- Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm)
- Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø10mm Rod)
- End Fitting Steel: Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 85µm)



Part Number	BW Reference	Length (L) (mm)
RCS-25-A-044	-	1000
RCS-25-A-045	M45070-07-A	1550
RCS-25-A-046	-	3000
RCS-25-A-047	-	5000



PINS

10 mm Pin

Application

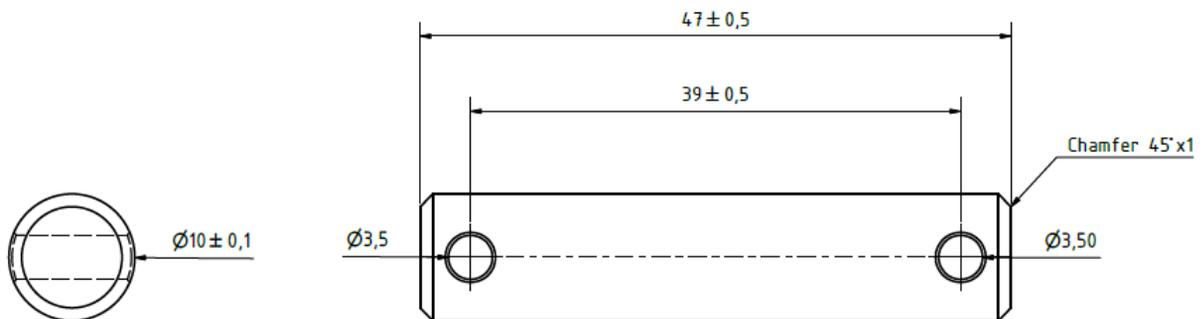
- For fixing and positioning.

Material

- Stainless Steel GRADE 316 S31



Part Number	BW Reference	Diameter (mm) Ø
RCS-25-P-055	M41208-04-D	10



BW Ref: M41208-04-D

12 mm Pin

Application

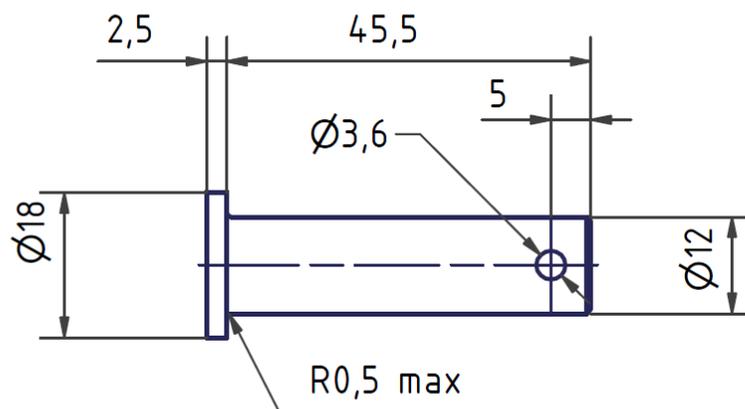
- Pin adaptor 12 DIA x 42

Material

- AISI 304



Part Number	BW Reference	Ø (mm)	Length (mm)	Weight (kg)
043262-00	M42224-02-D	12	45.5	0.045



16 mm Pin

Application

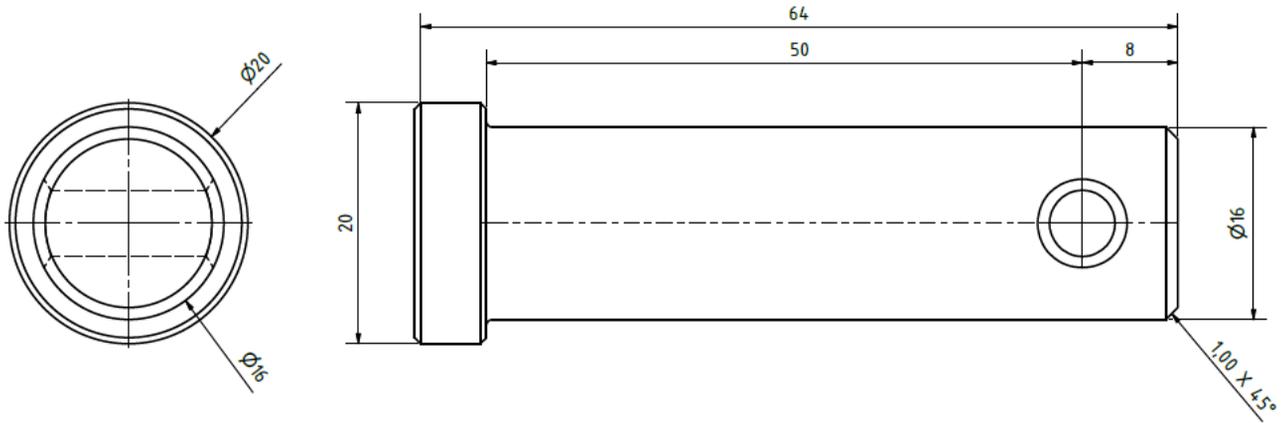
- Pin adaptor 16mm

Material

- Stainless steel AISI 304



Part Number	BW Reference	Ø (mm)	Length (mm)	Weight (kg)
RCS-24-P-022	M42224-03-D	16	58	0.105



20 mm Pin

Application

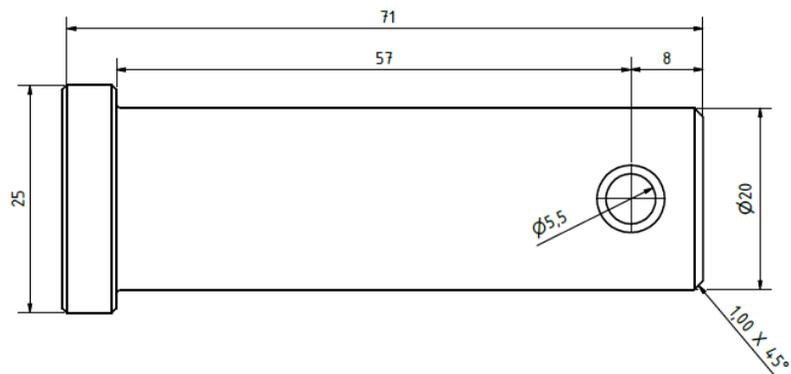
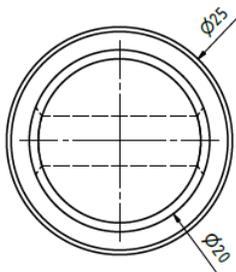
- Pin adaptor 20 mm

Material

- Stainless steel AISI 304



Part Number	BW Reference	Ø (mm)	Length (mm)	Weight (kg)
RCS-24-P-023	M42224-04-D	20	65	0.183



16 mm Pin Bracket Foot

Application

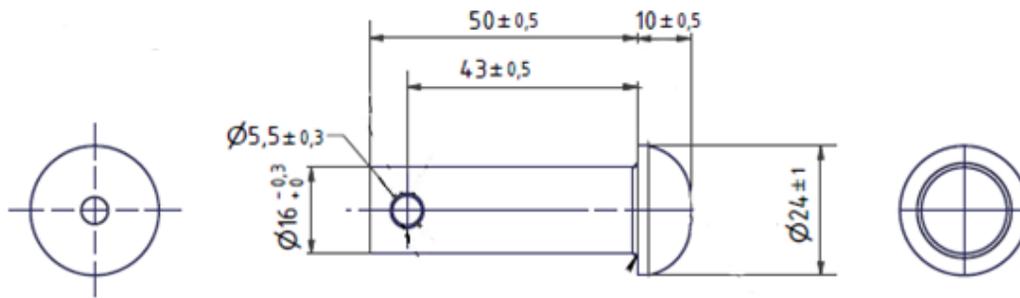
- Pin bracket foot

Material

- Stainless Steel AISI 316



Part Number	BW Reference	Ø (mm)	Length (mm)	Weight (kg)
042731-01	M42224-01-D	16	50	0.102



Round Eye Bolt

Application

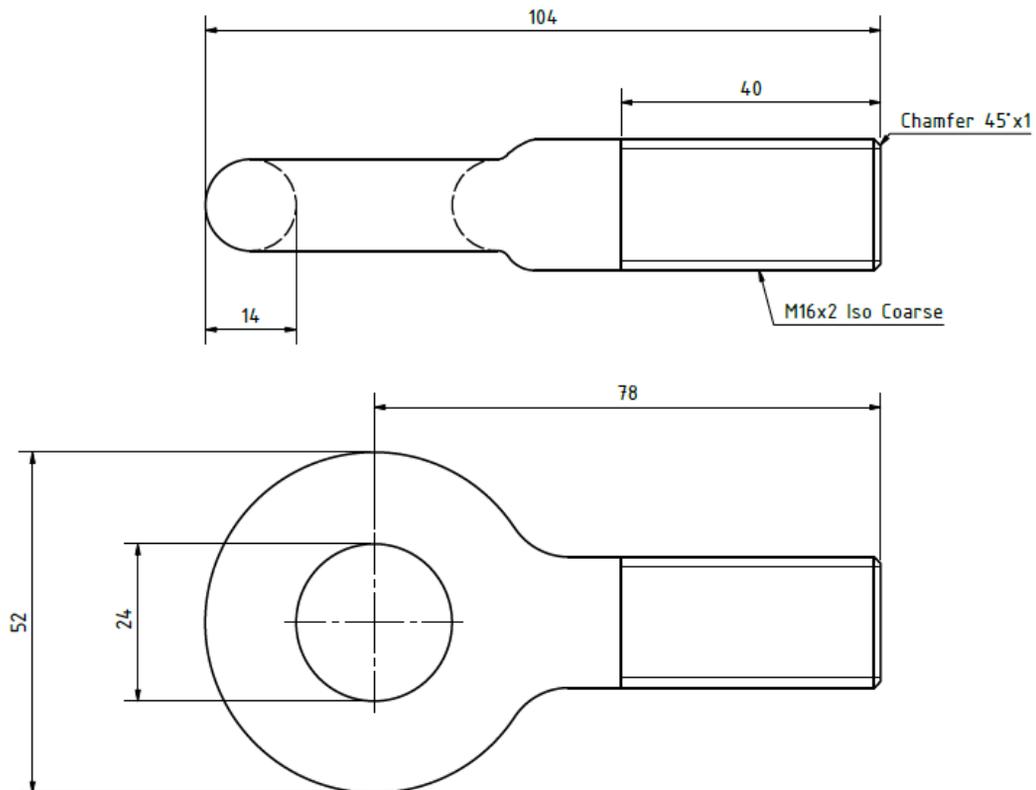
- M20X50

Material

- Mild Steel
- Hot Dip Galvanised EN ISO 1461



Part Number	BW Reference	Description
RCS-25-P-056	M40207-01-D	M20X50



Surge Arrestors

Surge Arrestor

Application

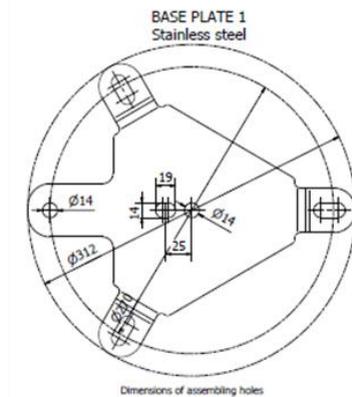
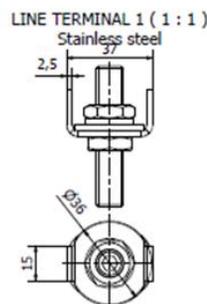
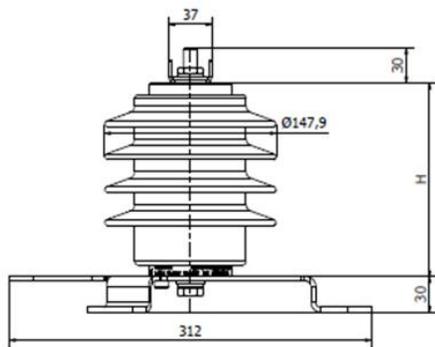
- Surge divertor
- According to IEC 60099-4

Material

- Silicone
- Stainless Steel



Part Number	BW Reference	Description	Rated Voltage (kV)	MCOV (Kv)	Lightening Impulse Withstand (kV)	Power Frequency Wet Withstand (kV)	Creepage Distance (mm)	Phase to Ground (mm)	Phase to Phase (mm)
PROXAR-IVN 2 DC 11100	HE60MC10	Surge Arrestor	2	2	75	17	318	100	180



Surge Arrestor Mounting Bracket

Application

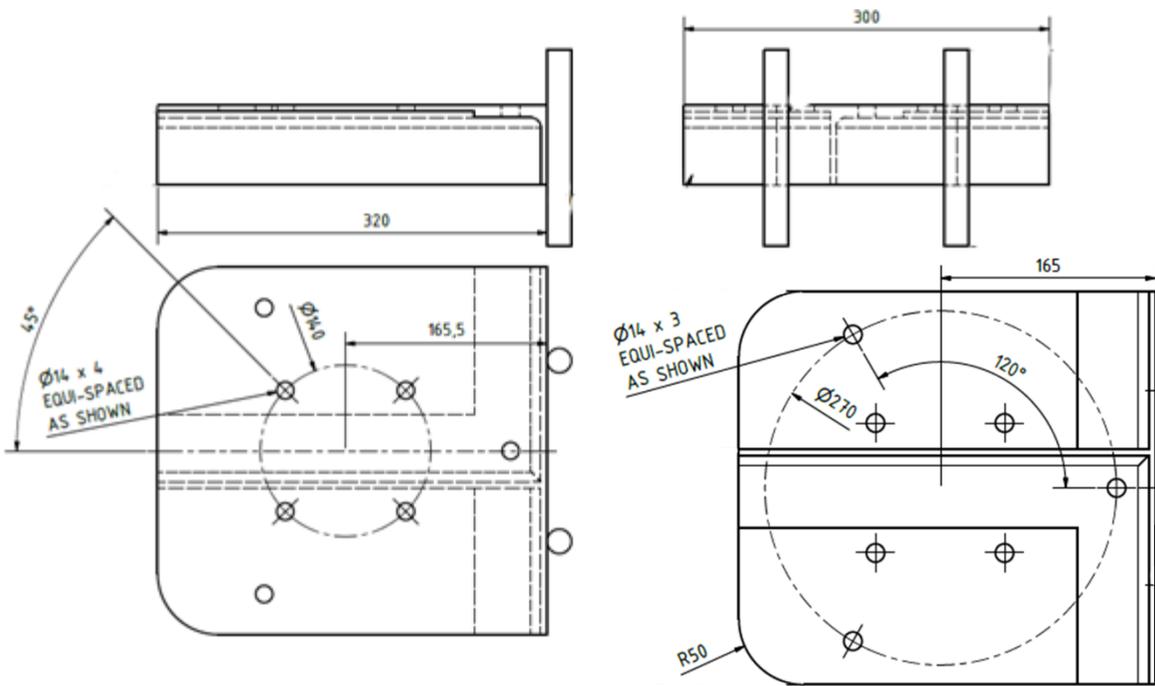
- Mounting bracket for a Surge Divertor

Material

- Steel S275 JR
- Hot dip galvanized EN ISO 1561



Part Number	BW Reference	General Tolerance	Holes and Chamfers
24-03-P-B-004	M41624-02-FB	UNI EN 586-3	0.5 x 45



TENSIONING

Tensorex C+

Application

- For railways and Tramways
- Best solution for portals, tunnels, noise protection walls and platforms.
- Inner city installations where low visual impact is requested.



Description

- An automatic tensioning device that uses the force of a spiral spring to constantly tension the railway contact wire and/or messenger wire. It therefore effectively compensates the expansion caused by fluctuating daytime and nighttime temperatures as well as the change in the season while keeping the tension at a constant level.

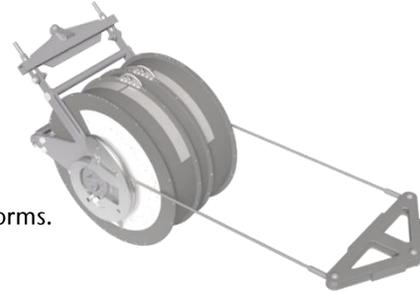
Part Number	BW Reference	Size	Springs	Compensation Length * (mm)	Pull Force (kg) *	Weight (Kg)
000700696	-	TRC + 1	9.5 x 60	800 to 450	450 to 800 (4.5 to 8kN)	90
000700697	-	TRC + 2	9.5 x 60	1000 to 400	500 to 1800 (5.0 to 18 kN)	120
000700698	-	TRC + 3	9.5 x 60	1100 to 450	850 to 2400 (8.5 to 24 kN)	150
000700699	-	TRC + 4	9.5 x 60	1100 to 450	1350 to 3000 (13.5 to 30 kN)	180
000700695	-	TRC + 4S	11 x 60	1100 to 675	1500 to 2800 (15 to 28 kN)	235
000700694	-	TRC + 5S	11 x 60	1100 to 550	2000 to 4000 (20 to 40 kN)	290
000700693	-	TRC + 5 SL	11 x 60 XL	1100 to 650	2400 to 4000 (24 to 40 kN)	350

*please note that not all combinations of pull force and compensation length are possible due to technical limitations. Please contact Mosdorfer Rail for all compensation lengths.

Tensorex C+ 3D

Application

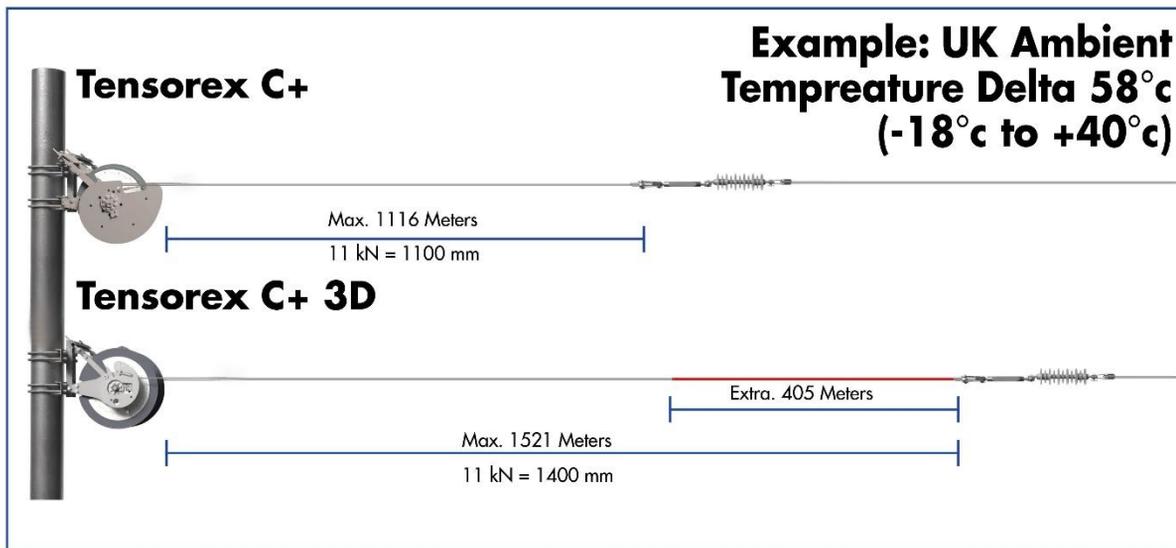
- For railways and Tramways
- Best solution for portals, tunnels, noise protection walls and platforms.
- Inner city installations where low visual impact is requested.



Description

- Tensorex C+ 3D is a tensioning device designed to allow for an increased compensation capability in comparison to the standard Tensorex C+ range. The Tensorex C+ 3D range is capable of upto 40% additional compensation length.

Part Number	BW Reference	Size	Compensation Length (mm)	Pull Force (kg)	Weight (Kg)
000700696	-	TRC + 3D 2	1200 to 1300	1000	200
000700697	-	TRC + 3D 3	1200 to 1490	1100 to 1500	250
000700698	-	TRC + 3D 4	1165 to 1345	2000 to 2250	300
000700699	-	TRC + 3D 5	1100 to 1480	2250 to 3000	360



TUBES

Aluminium Tubes

Application

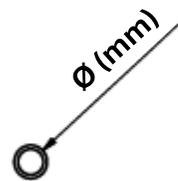
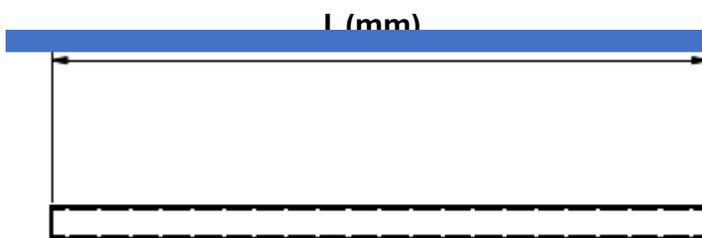
- Structure and support for Cantilevers



Material

- Aluminium – 6082 – T6

Part Number	BW Reference	Length (mm)	Minimum Wall Thickness (mm)	Diameter Ø	Weight (kg)
RCS-AL-1155	-	1100	6	55	2.743
RCS-AL-1255	-	1200	6	55	2.993
RCS-AL-1270	-	1200	6	70	3.909
RCS-AL-1670	-	1600	6	70	5.212
RCS-AL-1755	-	1700	6	55	4.239
RCS-AL-1770	-	1700	6	70	5.537
RCS-AL-1870	-	1800	6	70	5.863
RCS-AL-1955	-	1900	6	55	4.738
RCS-AL-1970	-	1900	6	70	6.189
RCS-AL-2570	-	2500	6	70	8.143



Steel Tubes

Application

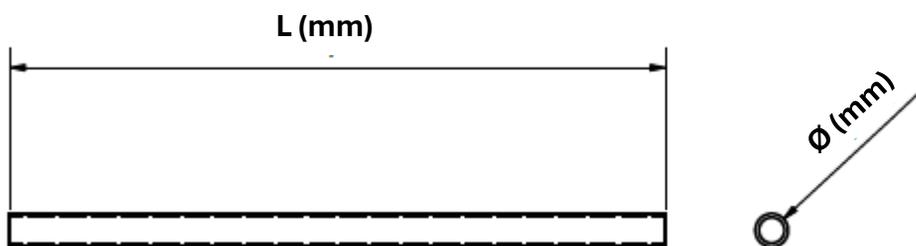
- Structure and support for Cantilevers



Material

- Steel: 5275 – JR
- Hot Dipped Galvanised per ISO 1461

Part Number	BW Reference	Length (mm)	Minimum Wall Thickness (mm)	Diameter Ø	Weight (kg)
RCS-ST-1142	-	1100	4	42	4.167
RCS-ST-1242	-	1200	4	42	4.546
RCS-ST-1342	-	1300	4	42	4.924
RCS-ST-1442	-	1400	4	42	2.565
RCS-ST-1660	-	1600	5	60	10.891
RCS-ST-1742	-	1700	4	42	6.440
RCS-ST-1860	-	1800	5	60	14.383
RCS-ST-1942	-	1900	4	42	10.121
RCS-ST-1960	-	1900	5	60	12.932
RCS-ST-2060	-	2000	4	60	15.981
RCS-ST-2142	-	2100	5	42	8.222
RCS-ST-2160	-	2100	4	60	16.780
RCS-ST-2242	-	2200	5	42	8.614
RCS-ST-2560	-	2500	4	60	17.078
RCS-ST-2642	-	2600	5	42	13.850
RCS-ST-2660	-	2600	4	60	7.145
RCS-ST-2742	-	2700	5	42	14.383
RCS-ST-2760	-	2700	4	60	18.444
RCS-ST-2942	-	2900	5	42	15.448
RCS-ST-2960	-	2900	4	60	23.172
RCS-ST-3060	-	3000	5	60	20.346



Tube Caps

Application

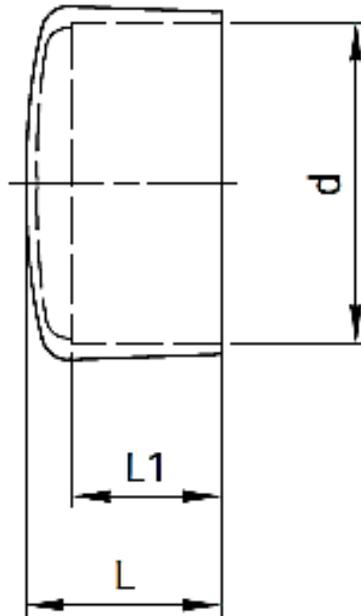
- Tube cap

Material

- Black Vinyl



Part Number	BW Reference	Description	Length (L)	Inside Length (L1)	Diameter Ø (d)	Weight (kg)
RCS-24-P-009	8WL21814-1	Tube Cap	57	50	44	0.33
RCS-24-P-018	8WL21814-2	Tube Cap			55	
RCS-24-P-010	8WL21814-3	Tube Cap	57	53	60	0.021
RCS-24-P-019	8WL21814-4	Tube Cap			70	



Pole Caps

Application

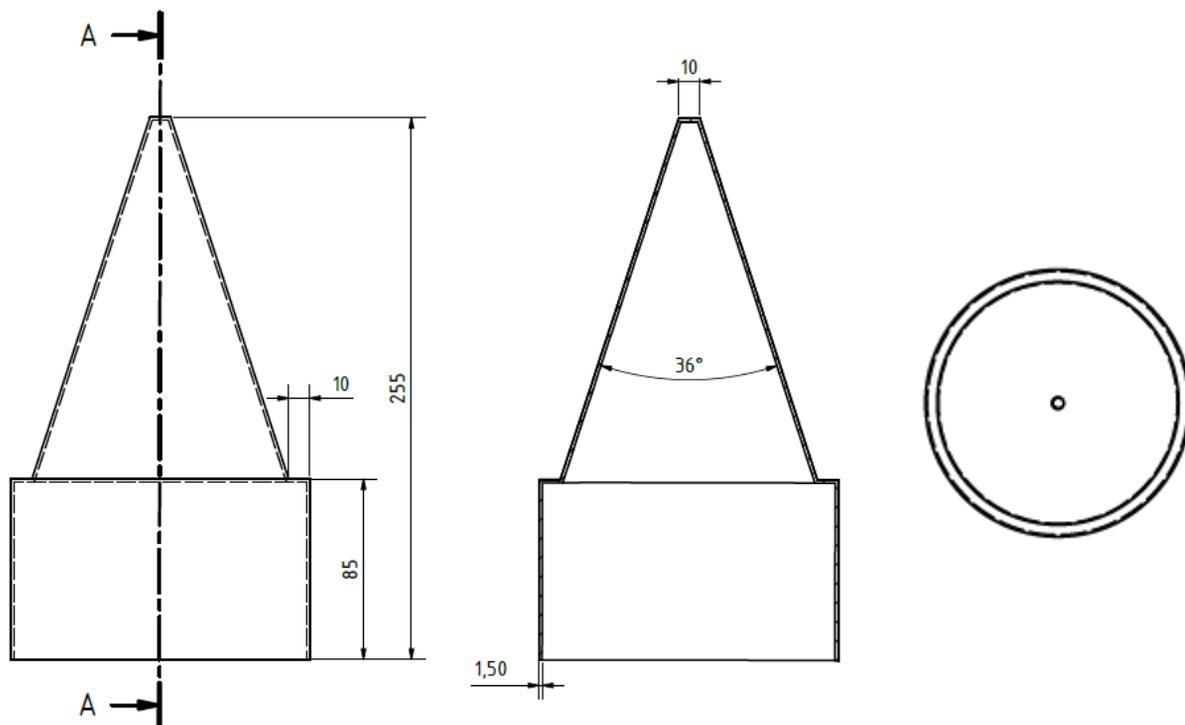
- Pole caps

Material

- Aluminium



Part Number	BW Reference	Description	Diameter Ø (mm)	A (°)	Weight (kg)
RCS-24-P-016	M46130-00-D	Pole Cap	139	36	0.916
244004016	M46131-01-D	Pole Cap	168	45	1.128
244004014	M46132-01-D	Pole Cap	219	59	1.523
244004013	M46133-01-D	Pole Cap	273	72	2.056
RCS-24-P-017	M46134-01-D	Pole Cap	323	82	2.436



TURNBUCKLES

EYE – EYE

Application

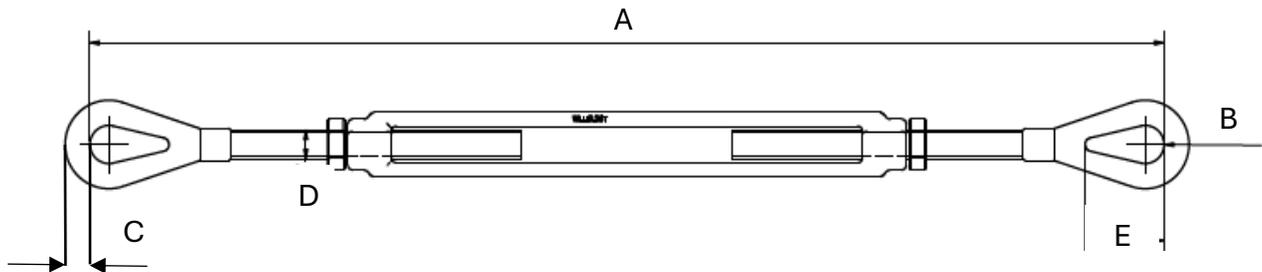
- Turnbuckle eye/eye

Material

- Steel Galvanized per ISO 1461



Part Number	BW Reference	Cross Section \varnothing	A Length min – max (mm)	B (mm)	C (mm)	D (mm)	E \varnothing (mm)	Max. Working Load (kg)	Breaking Load (kg)	Weight (kg)
RCS-24-P-911	M41642-04-D	3/4"	584 - 889	25	17	52.50	19	2360	11800	2.8
RCS-24-P-912	M41642-07-D	1/2"	490 - 795	18	11	35	12	1000	5000	1.0



JAW – JAW

Application

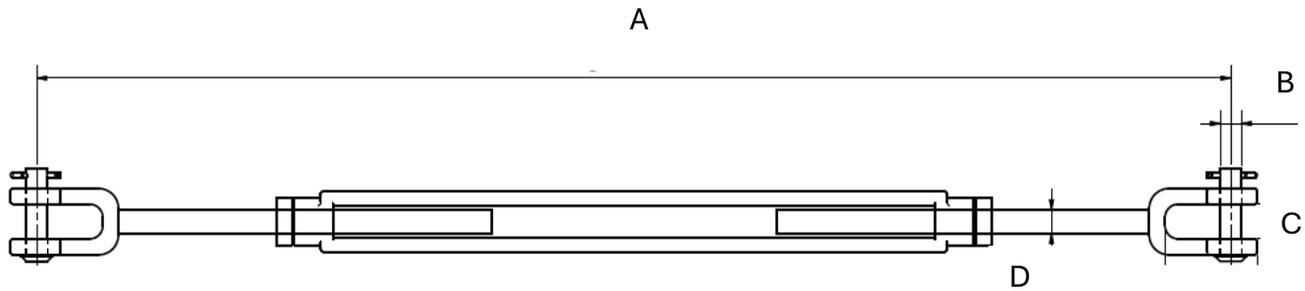
- Turnbuckle jaw/jaw

Material

- Steel Galvanized per ISO 1461



Part Number	BW Reference	Cross Section \varnothing	A Length min – max (mm)	Max. Working Load (kg)	Breaking Load (kg)	B Pin \varnothing (mm)	C (mm)	D \varnothing (mm)	Weight (kg)
RCS-24-P-913	M41642-02-D	3/4"	734 - 1194	2360	11800	16	26	18	3.5
RCS-24-P-914	M41642-05-D	3/4"	584 – 889	2360	11800	16	26	19	3.1
RCS-24-P-915	M41642-10-D	1"	829 – 1286	4540	22700	21.8	32	24.5	7.9



EYE – JAW

Application

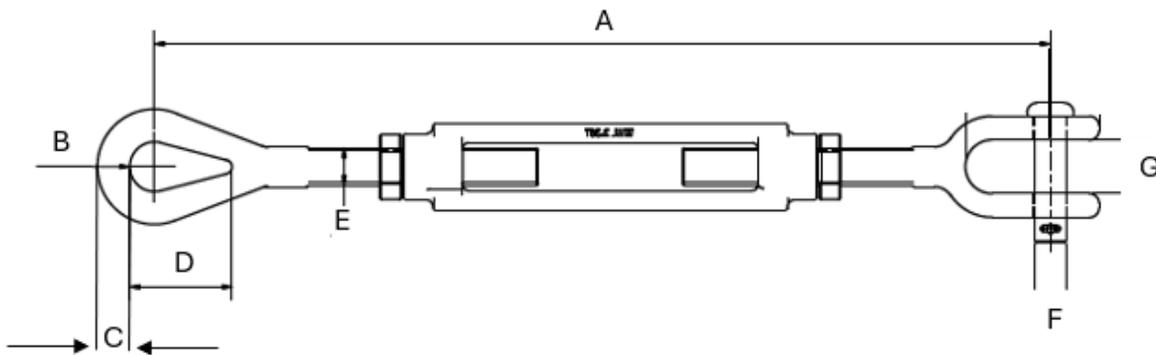
- Turnbuckle eye/jaw

Material

- Steel Galvanized per ISO 1461



Part Number	BW Reference	Cross Section \varnothing	A Length min – max (mm)	B (mm)	C (mm)	D Pin Diameter (mm)	E \varnothing (mm)	F \varnothing (mm)	G (mm)	Max. Working Load (kg)	Breaking Load (kg)	Weight (kg)
RCS-24-P-916	M41642-03-D	3/4"	432 - 584	25	16	16	19	16	27	2360	11800	2.2
RCS-24-P-917	M41642-08-D	3/4"	584 – 889	26	16	16	18	16	26	2360	11800	2.5
RCS-24-P-918	M41642-09-D	1/2"	338 - 490	17	12	9	12	9	18	1000	5000	0.5



BACKSTAY

Anchor Tie Rod Assembly

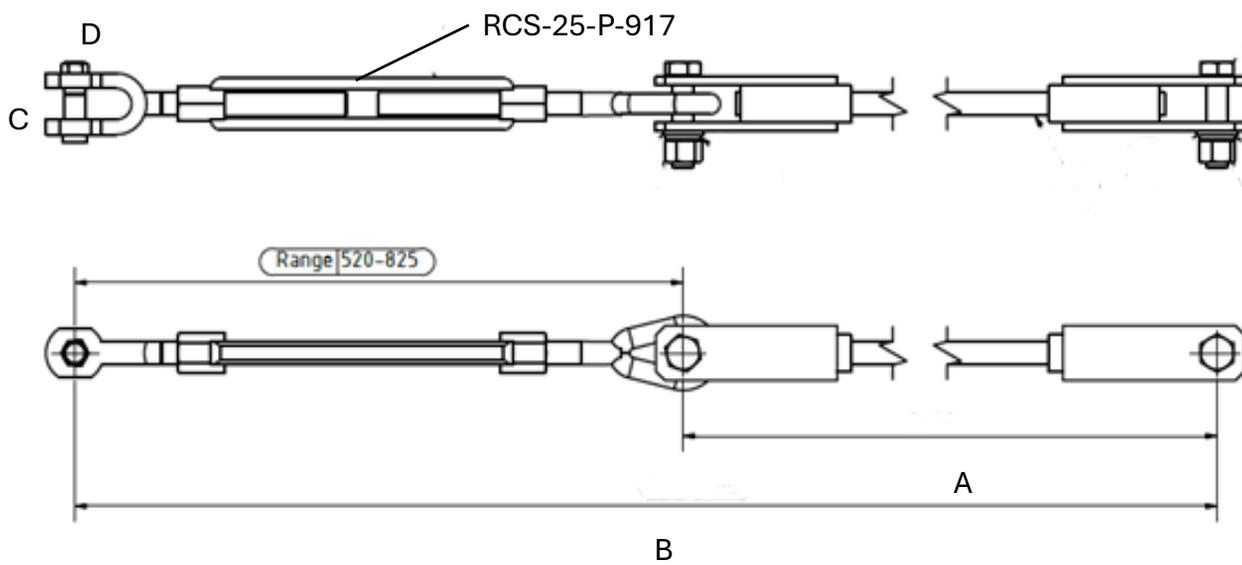
Application

- Tie rod assembly
- Maximum Working Load: 23.15 kN

Material

- Galvanized, Steel

Part Number	BW Reference	Description	Length A (mm)	Length B (mm)	C mm	D Pin Ø (mm)
RCS-25-A-027	M41351-01-A	Tie rod	5050	5700	26	16
RCS-25-A-026	M41351-03-A	Tie rod	5450	6100	26	16
RCS-25-A-025	M41351-14-A	Tie rod	5950	6600	26	16



Balance Plates

Application

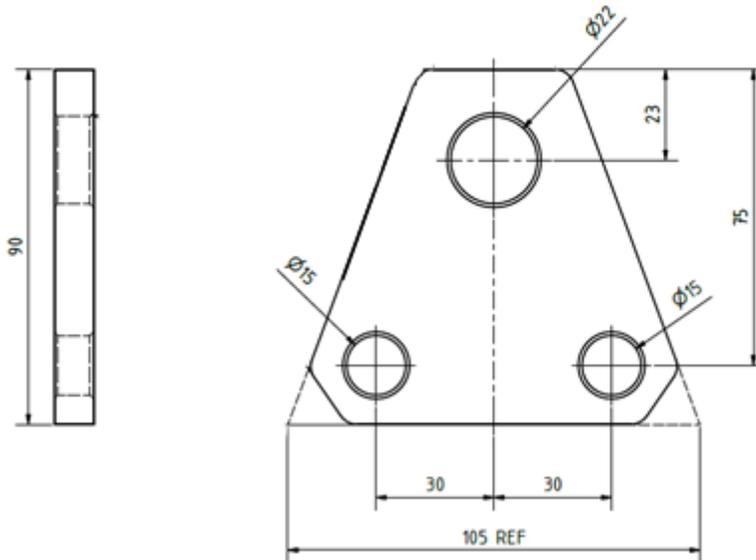
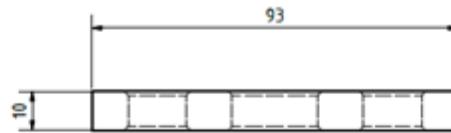
- Split mechanical loads

Material

- Steel Grade S275 - Galvanised



Part Number	BW Reference
24-00-P-C-001	M41642-08-D



SPARES

M10 U-Bolt Assembly

Application

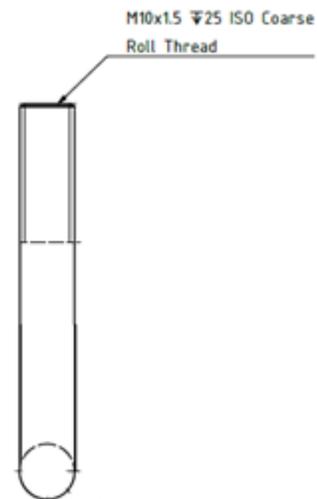
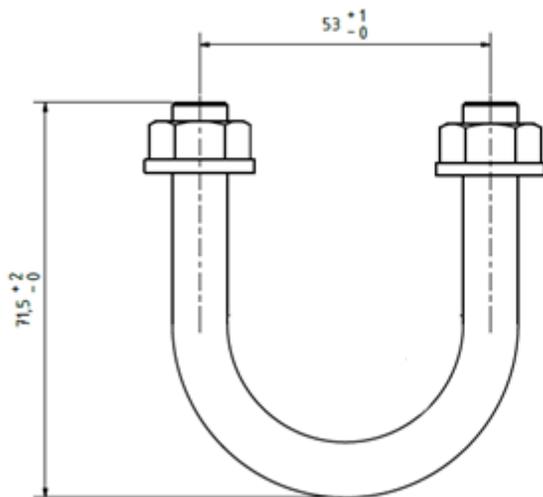
- Fasten components to secure various components to the track or structure.

Material

- Stainless Steel (304/A2-70)



Part Number	BW Reference	Diameter Tube Ø
RCS-25-P-039	M45337-01-A	43



M10 U-Bolt Assembly

Application

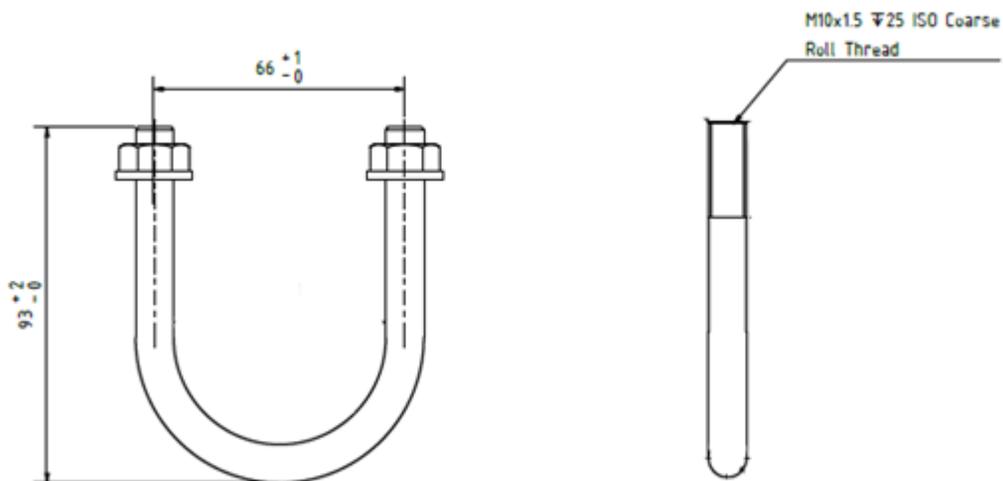
- Fasten components to secure various components to the track or structure.

Material

- Stainless Steel (304/A2-70)



Part Number	BW Reference	Diameter Tube Ø
RCS-25-P-040	-	55



M10 U-Bolt Assembly

Application

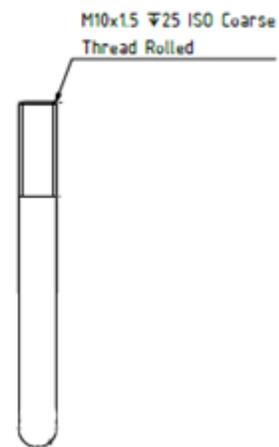
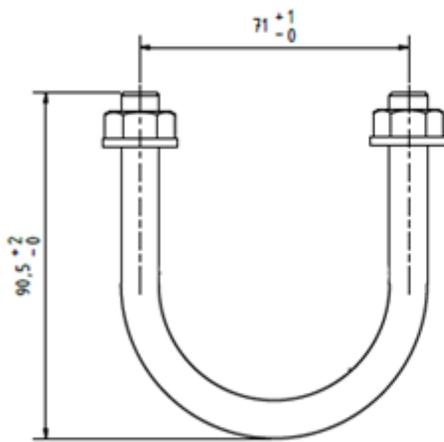
- Fasten components to secure various components to the track or structure.

Material

- Stainless Steel (304/A2-70)



Part Number	BW Reference	Diameter Tube Ø
RCS-25-P-041	-	60



M10 U – Bolt Assembly

Application

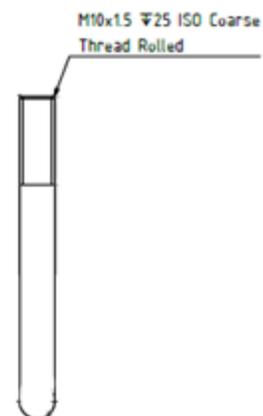
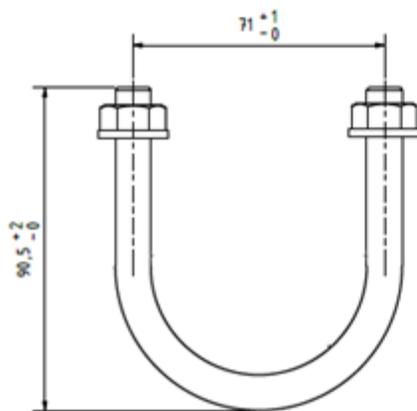
- Fasten components to secure various components to the track or structure.

Material

- Stainless Steel (304/A2-70)



Part Number	BW Reference	Diameter Tube Ø
RCS-25-P-041	-	70



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