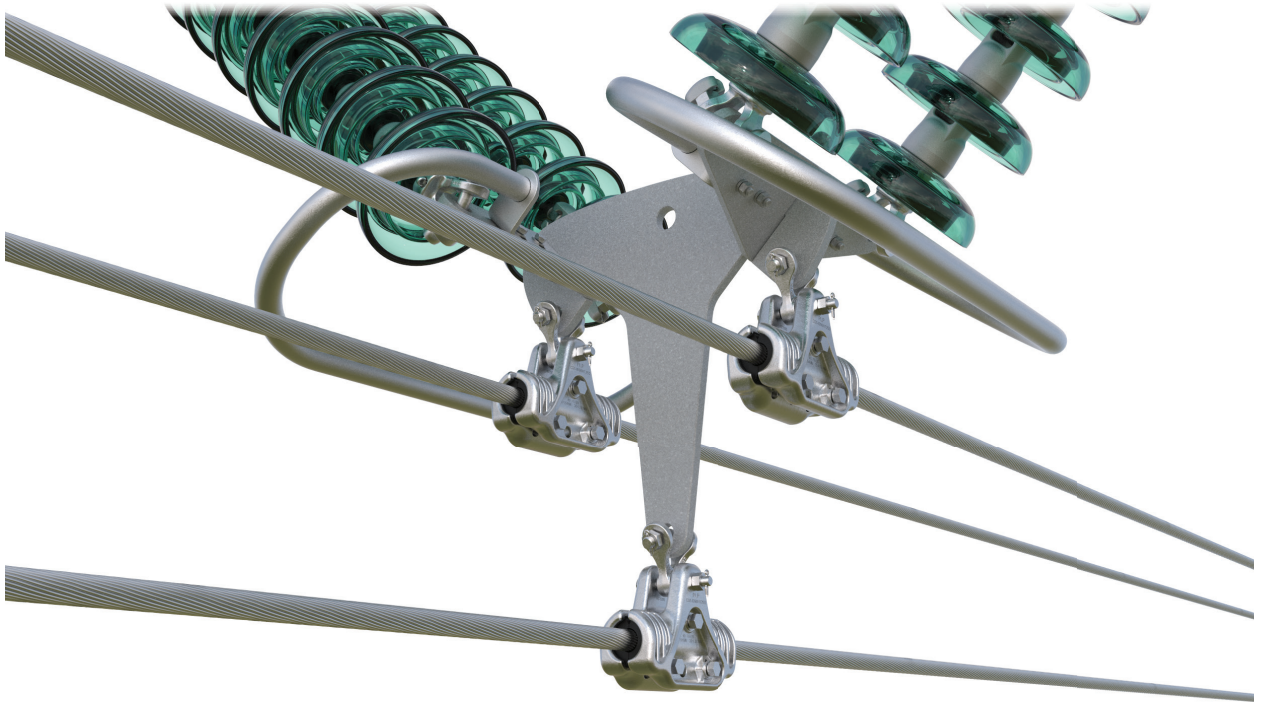
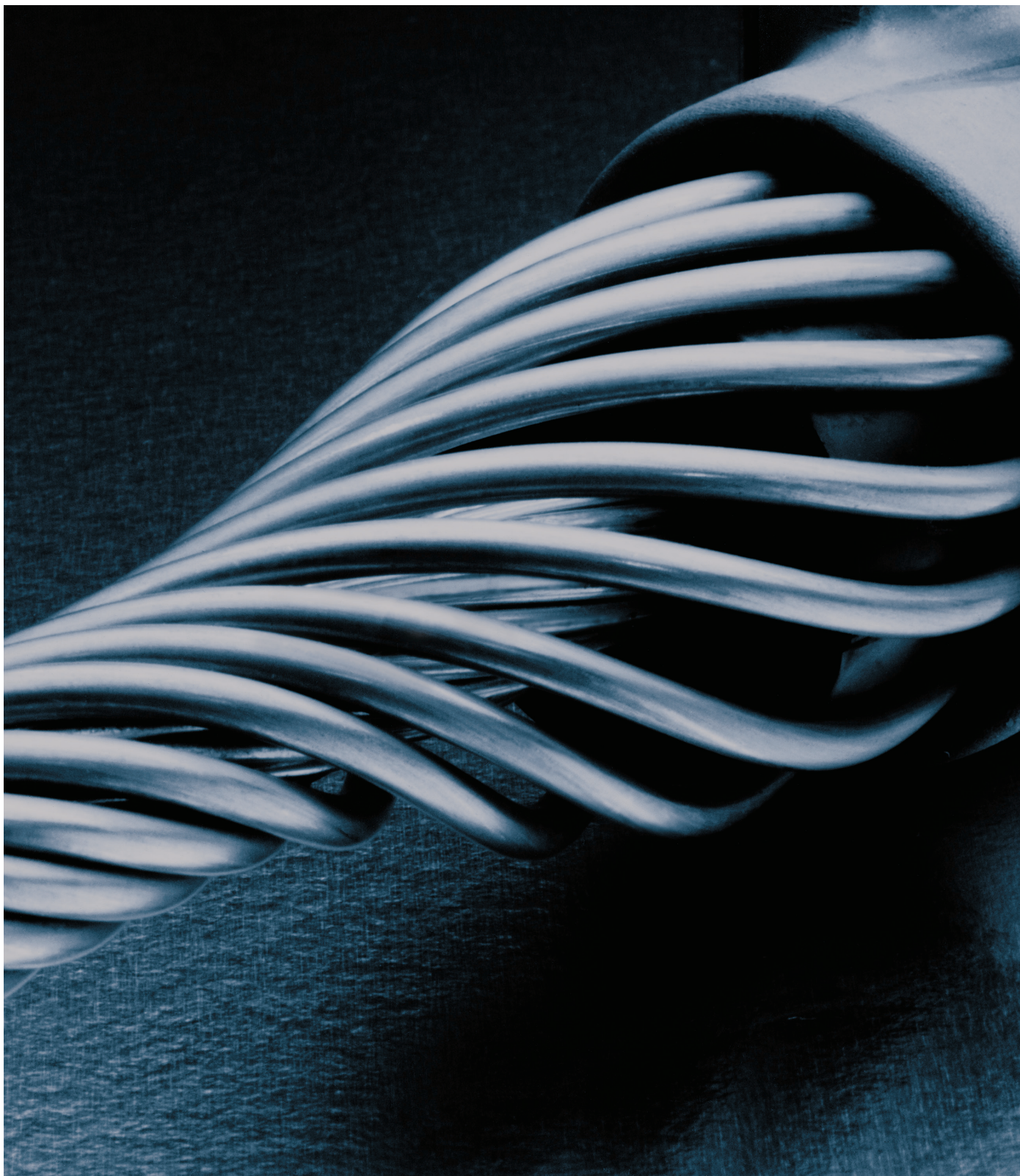




TRANSMISSION LINE STRING ASSEMBLIES AND HARDWARE

Tangent Assemblies | Dead-End Assemblies | Hardware Components



ABOUT PLP

PLP protects the world's most critical connections by creating stronger and more reliable networks. Our precision-engineered solutions are trusted by energy and communications providers to perform better and last longer. PLP, a recognized world leader in conductor protection and support, began operations in 1947 with the introduction of the Armor Rod, an innovative helical product that fundamentally changed the electric utility industry. Since then, PLP has continued to introduce innovative products, like the ARMOR-GRIP® Suspension, which to this day still provides the best protection against static and dynamic stresses at the conductor's support point. With offices and manufacturing facilities in over 20 countries, PLP now works as a united global corporation, delivering high-quality products and unparalleled service to customers around the world.





SALES CONTACTS



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SALES**

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ENGINEERING AND DESIGN

Since 1947, PLP has been an industry leader in designing high-quality, field-proven solutions for the electric power industry. Transmission systems worldwide rely on PLP armor rods, suspensions, dead-ends, dampers, spacers, string hardware, and many other critical components when solutions that perform better and last longer are essential.

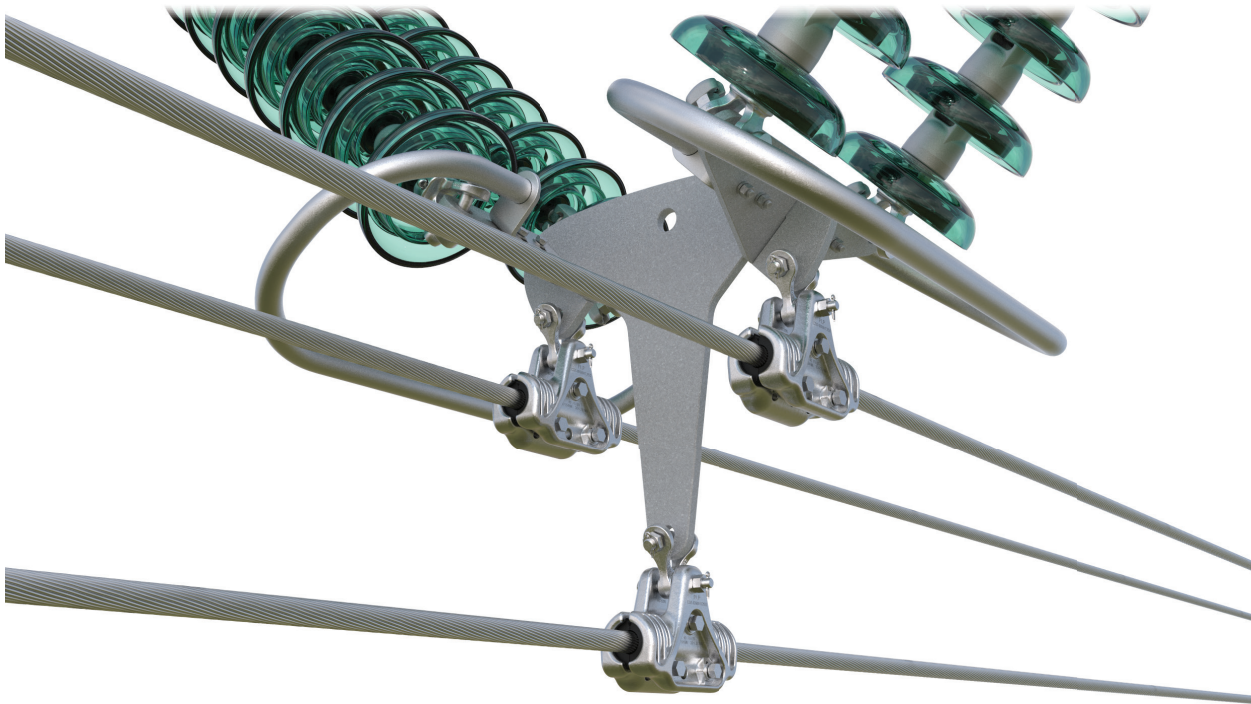
The strength, durability, and longevity of PLP products begins with our dedicated engineering teams. PLP engineers utilize our 70+ years of industry experience, the latest design software, and cutting-edge engineering techniques to help ensure our products live up to the PLP name.



TESTING & QUALITY CONTROL

Product testing has been at the forefront of PLP's culture since the company began in 1947. Testing of all products is performed at the time of design and throughout the manufacturing process as part of our sample testing program for utility capital projects. PLP follows the IEEE C135.61 Standard for the Testing of Overhead Transmission and Distribution Line Hardware for all design and sample testing of string hardware components.

PLP's state-of-the-art lab in Cleveland is one of the largest facilities dedicated to testing the strength and endurance of power utility hardware. 50,000-pound and 450,000-pound tensile machines at the lab allow us to test the strength and durability of fittings prior to delivery to the customer. While competitors have reduced or eliminated their testing labs and programs, PLP has expanded its lab by 50 percent making it a 23,000 square foot facility



STRING HARDWARE ASSEMBLIES

PLP String Hardware Assemblies include a full range of hardware solutions for tangent suspension, angled suspension, or dead-end, and tri-bundle assemblies. Each component in the standard assembly packages was carefully selected to ensure proper fitment and optimal performance. All components arrive at the job site in project-specific, weather-resistant packaging to help expedite identification and installation. Different kitting and packaging solutions can be designed as specified.

FEATURES AND BENEFITS

- Assemblies can be rated up to 500 kV, depending on design and component selection
- All parts are packaged together in weather-resistant crates per customer specifications
- Packaged and marked by string or structure type, facilitating identification and installation
- Customized string assembly configurations and designs are available. Contact PLP for modification requests or customized packages.

NOTE: The catalog numbers provided represent commonly used string configurations only and do not represent final string designs.

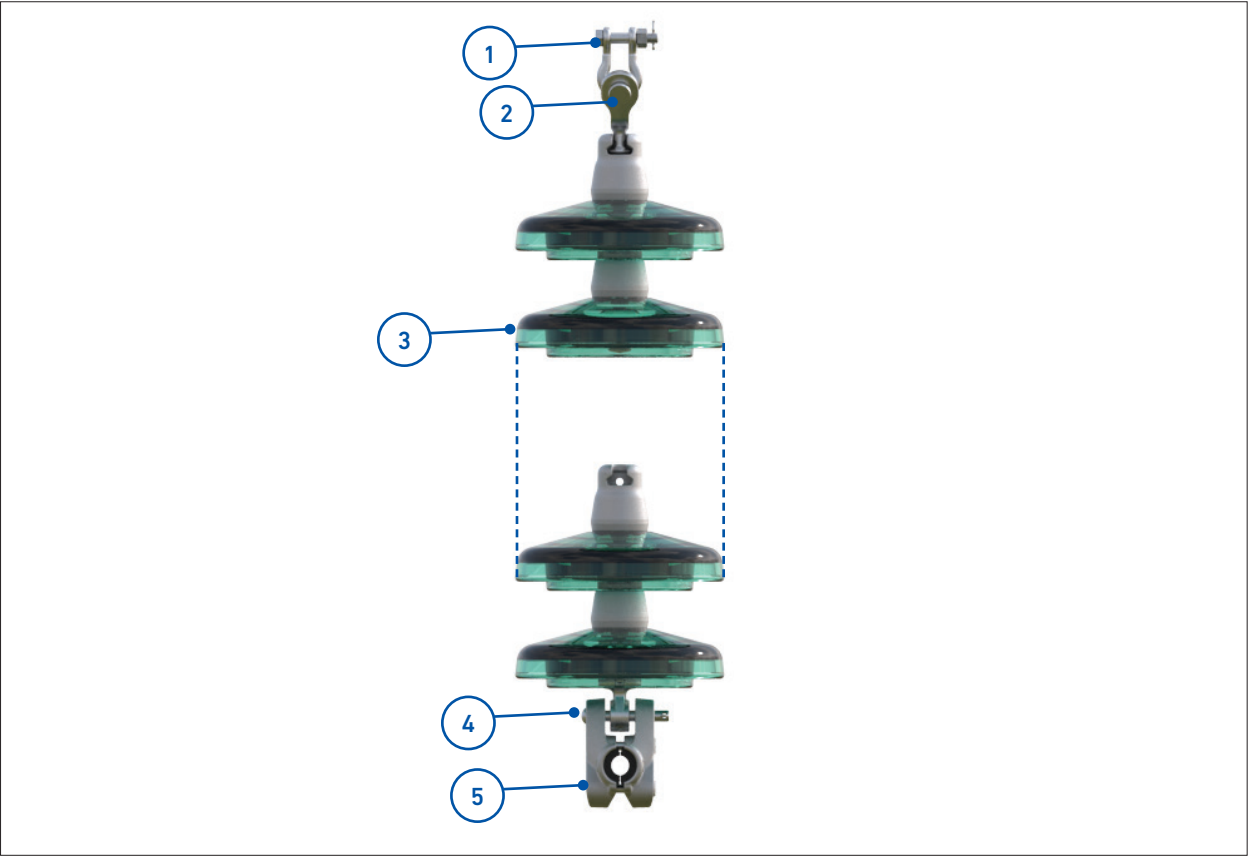
IMPORTANT NOTES

STRING HARDWARE ASSEMBLIES

1. Catalog numbers for assemblies are provided as design examples only. Specific assembly designs and part numbers will be configured per customer specifications. Please contact PLP Technical Support for project-specific part numbers.
2. All galvanizing has been performed per ASTM A153. Parts are available with Charpy compliance, magnetic particle inspection, and radiographic inspections as specified. Please contact PLP for details.
3. Parts with length "XX" are variable length and dependent on the string design and line parameters.
4. Suspension clamps and associated hardware will be specified on a per-application basis. Please see the Suspension and Support catalog for options and details.
5. Compression Dead-End Assemblies and associated hardware to be specified on a per-application basis.
6. Corona rings, when required, are packaged separately to avoid damage.
7. Please see the individual component drawings for detailed dimensions and material properties of parts.
8. For bundle spacings differing from examples shown, please contact PLP.

I-STRING ASSEMBLY

Tangent Suspension Single Conductor, 30 K
 Catalog Number: S-IX-11-30-XXX



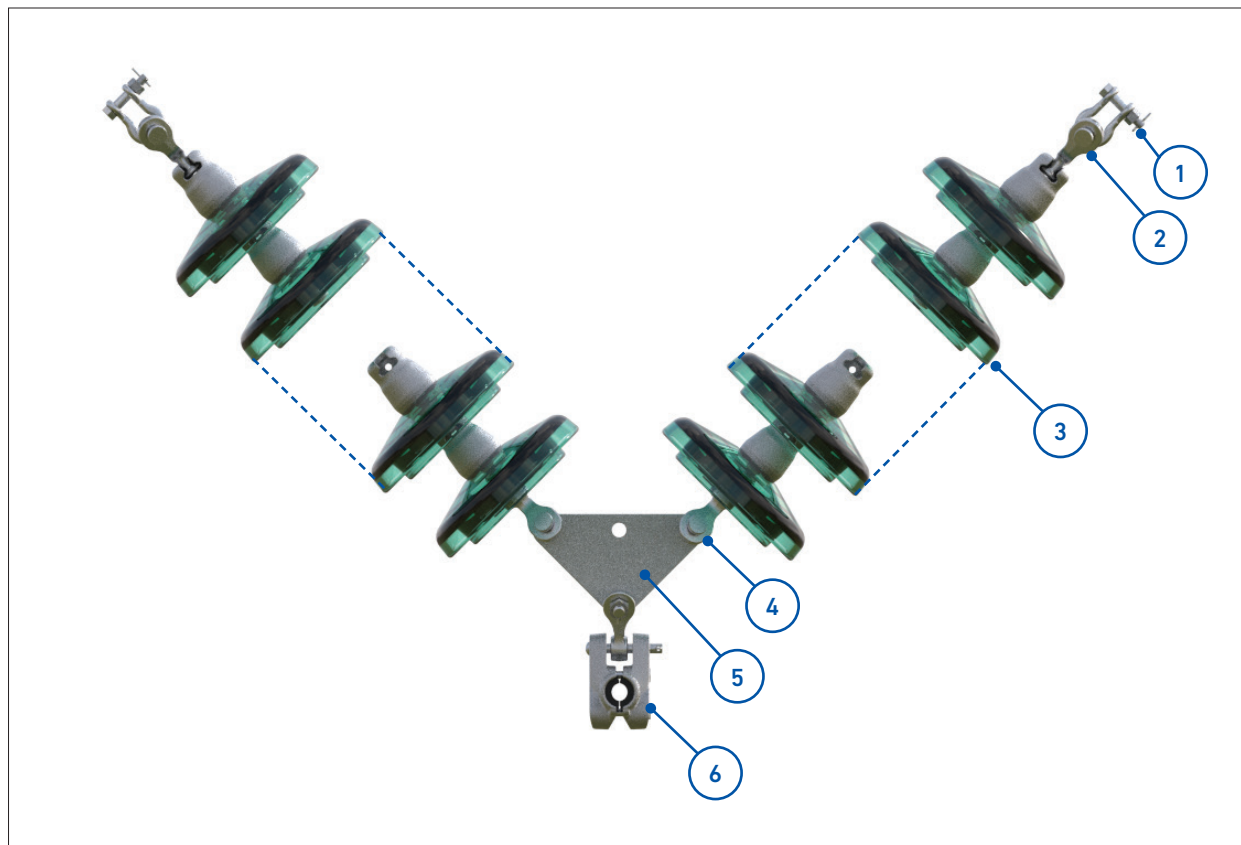
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	–	–	30,000	133
4	See Note 4 on Page 9	Attachment Hardware	1	Galvanized Steel	25,000	111
5	See Note 4 on Page 9	CUSHION-GRIP® Suspension	1	Aluminum	25,000	111

V-STRING ASSEMBLY

Tangent Suspension Single Conductor, 30 K

Catalog Number: S-VX-12-30-XXX



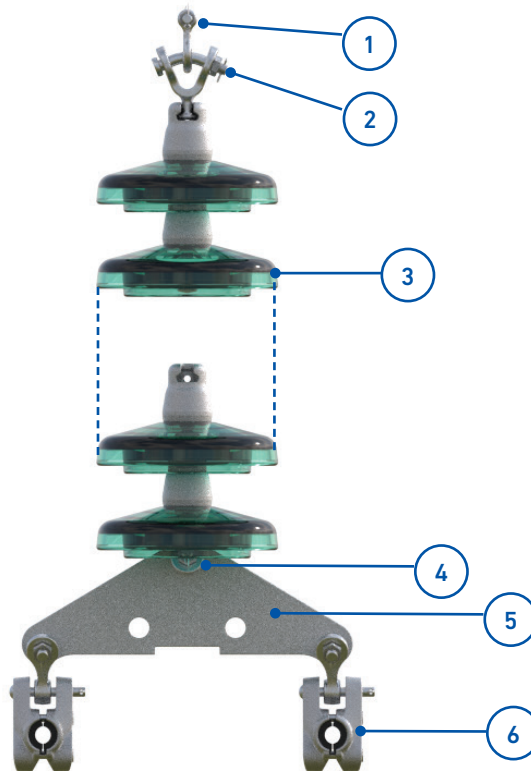
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	2	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	2	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	–	–	30,000	133
4	SYC-30	Socket Y-Clevis	2	Galvanized Steel	30,000	133
5	YPD-65643	Yoke Plate, Delta	1	Galvanized Steel	30,000	133
6	See Note 4 on Page 9	Attachment Hardware	1	Galvanized Steel	25,000	111
7	See Note 4 on Page 9	CUSHION-GRIP® Suspension	1	Aluminum	25,000	111

I-STRING ASSEMBLY

Tangent Suspension Twin-Bundle Conductor, 30 K

Catalog Number: S-IH-21-30-XXX



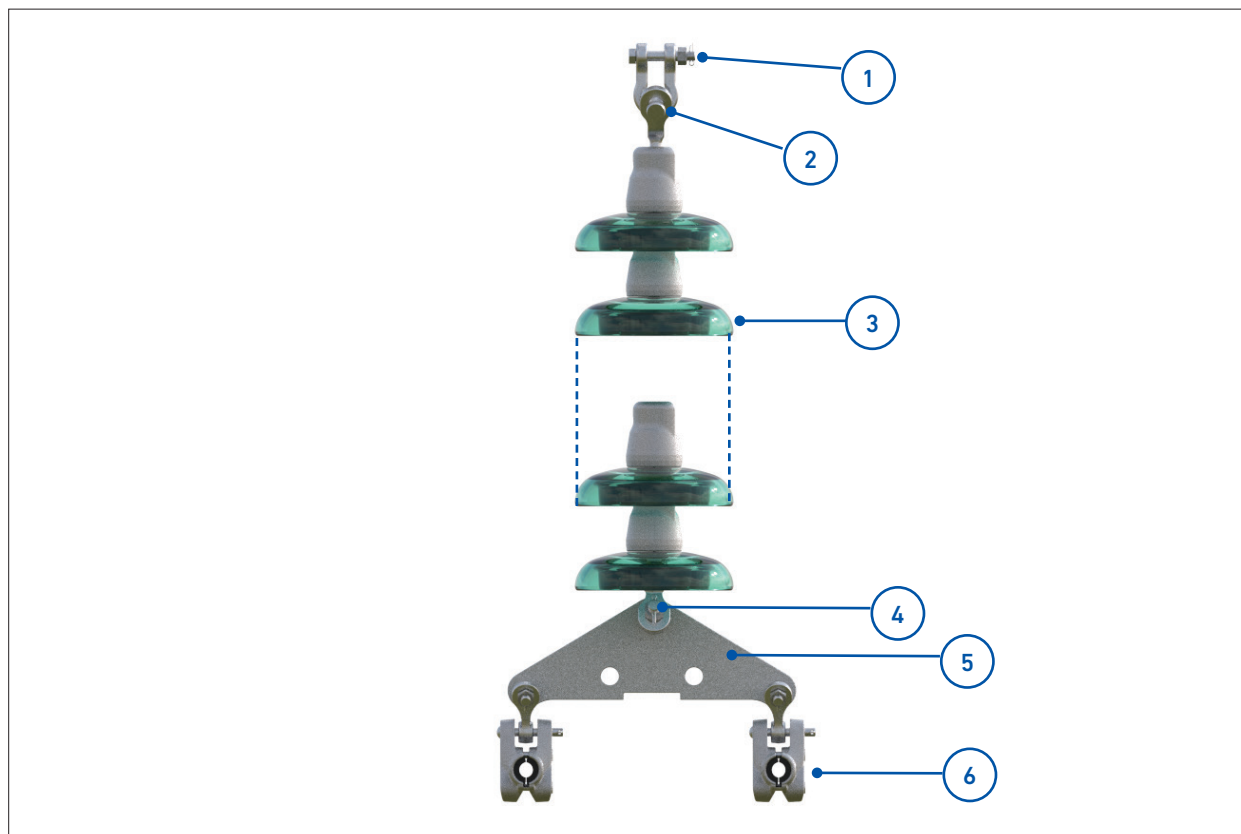
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	–	–	30,000	133
4	SYC-30	Socket Y-Clevis	1	Galvanized Steel	30,000	133
5	YPD-65961	Delta Yoke Plate	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	Attachment Hardware	2	Galvanized Steel	25,000	111
7	See Note 4 on Page 9	CUSHION-GRIP® Suspension	2	Aluminum	25,000	111

I-STRING ASSEMBLY

Tangent Suspension Twin-Bundle Conductor, 50 K

Catalog Number: S-IH-21-50-XXX



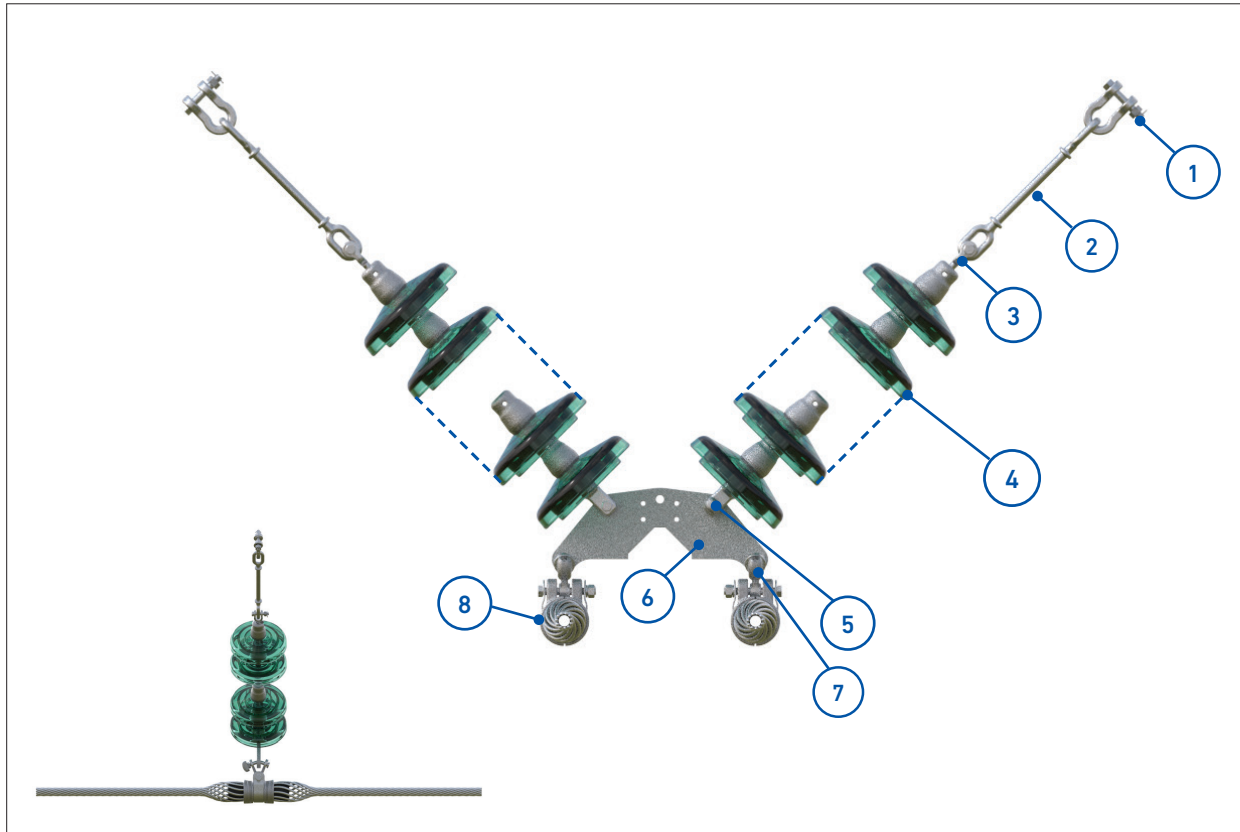
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	1	Galvanized Steel	60,000	267
2	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
3	Supplied By Other	Insulator String	–	–	50,000	222
4	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
5	YPD-65961	Delta Yoke Plate	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	Attachment Hardware	2	Galvanized Steel	25,000	111
7	See Note 4 on Page 9	CUSHION-GRIP® Suspension	2	Aluminum	25,000	111

V-STRING ASSEMBLY

Tangent Suspension Twin-Bundle Conductor, 30 K

Catalog Number: S-VH-22-30-XXX



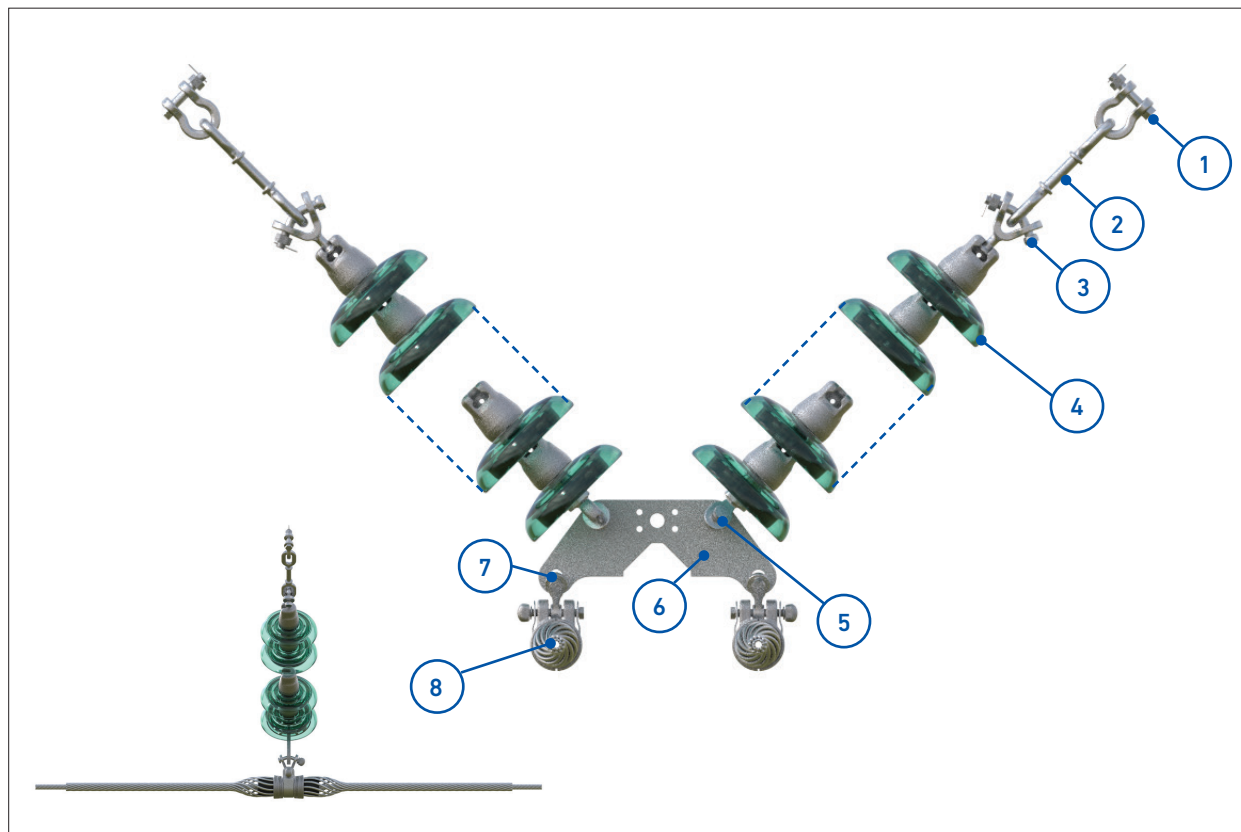
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	2	Galvanized Steel	60,000	267
2	EEL-30-XX	Extension Link, Variable Length	2	Galvanized Steel	30,000	133
3	BYC-30BNK	Ball Y-Clevis	2	Galvanized Steel	30,000	133
4	Supplied By Other	Insulator String	2	Glass	30,000	133
5	SYC-30BNK	Socket Y-Clevis	2	Galvanized Steel	30,000	133
6	YPV-66261	Yoke Plate, V- String	1	Galvanized Steel	30,000	133
7	See Note 4 Page 9	Attachment Hardware	2	Galvanized Steel	30,000	133
8	See Note 4 Page 9	ARMOR-GRIP Suspension	2	Aluminum	25,000	111

V-STRING ASSEMBLY

Tangent Suspension Twin-Bundle Conductor, 50 K

Catalog Number: S-VH-22-50-XXX



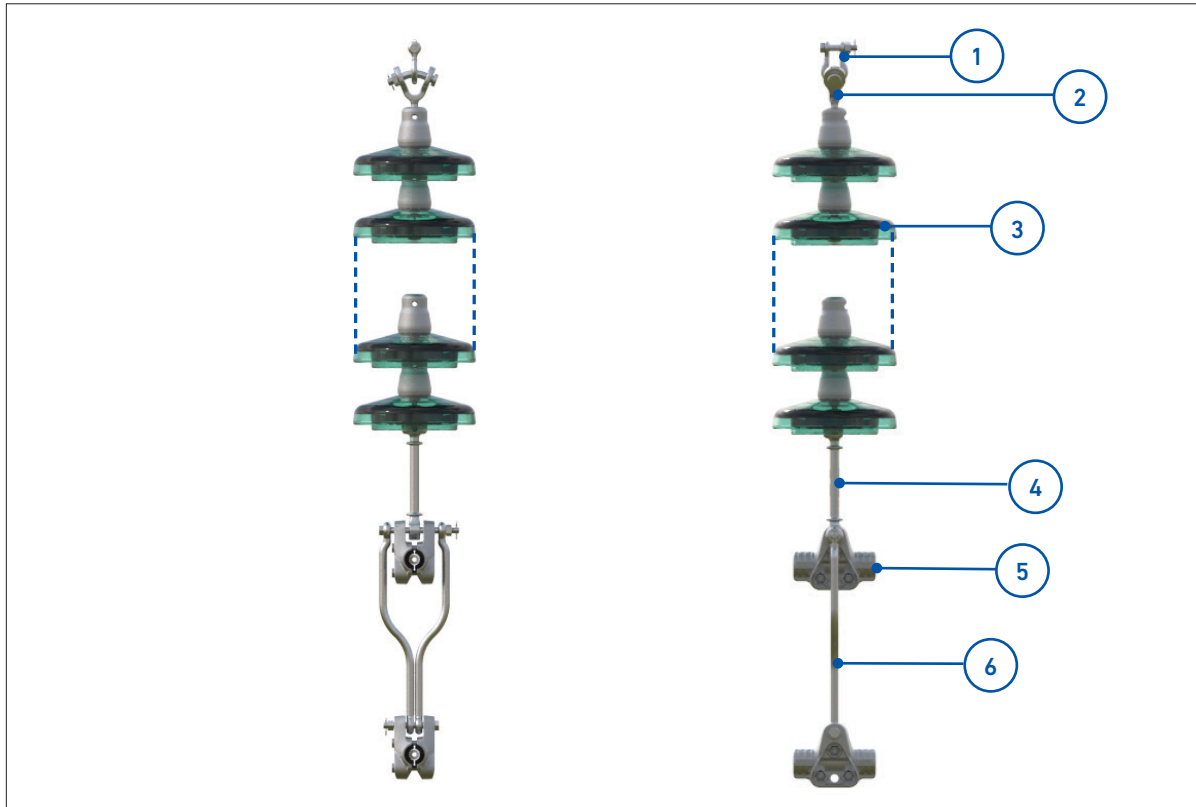
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60WBNK	Anchor Shackle, Wide	2	Galvanized Steel	60,000	267
2	EEL-50-XX	Extension Link, Variable Length	2	Galvanized Steel	50,000	222
3	BYC-50	Ball Y-Clevis	2	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	2	Glass	30,000	133
5	SYC-50	Socket Y-Clevis	2	Galvanized Steel	50,000	222
6	YPV-65617	Yoke Plate, V Configuration	1	Galvanized Steel	50,000	222
7	See Note 4 Page 9	Attachment Hardware	2	Galvanized Steel	30,000	133
8	See Note 4 Page 9	ARMOR-GRIP® Suspension, EHV	2	Aluminum	25,000	111

V-STRING ASSEMBLY

Tangent Suspension Twin Vertical Bundle Conductor, I-String, 30 K

Catalog Number: S-IV-21-30-XXX



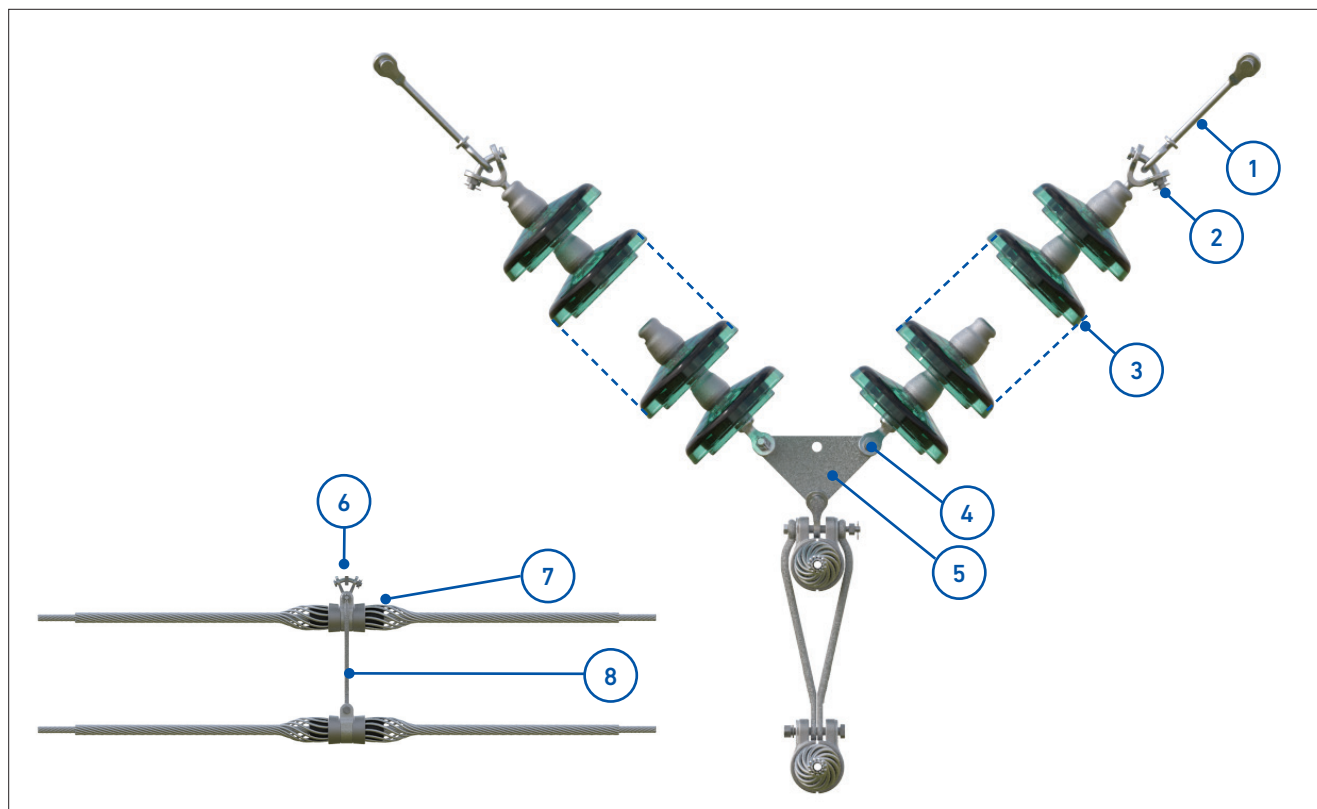
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	–	–	–	–
4	SEL-30	Socket Eye Link	1	Galvanized Steel	30,000	133
5	See Note 4 on Page 9	CUSHION-GRIP® Suspension	2	Aluminum	25,000	111
6	See Note 4 on Page 9	Vertical Bundling Link	1	Galvanized Steel	25,000	111

V-STRING ASSEMBLY

Tangent Suspension Twin Vertical Bundle Conductor, V-String, 30 K

Catalog Number: S-VV-22-30-XXX



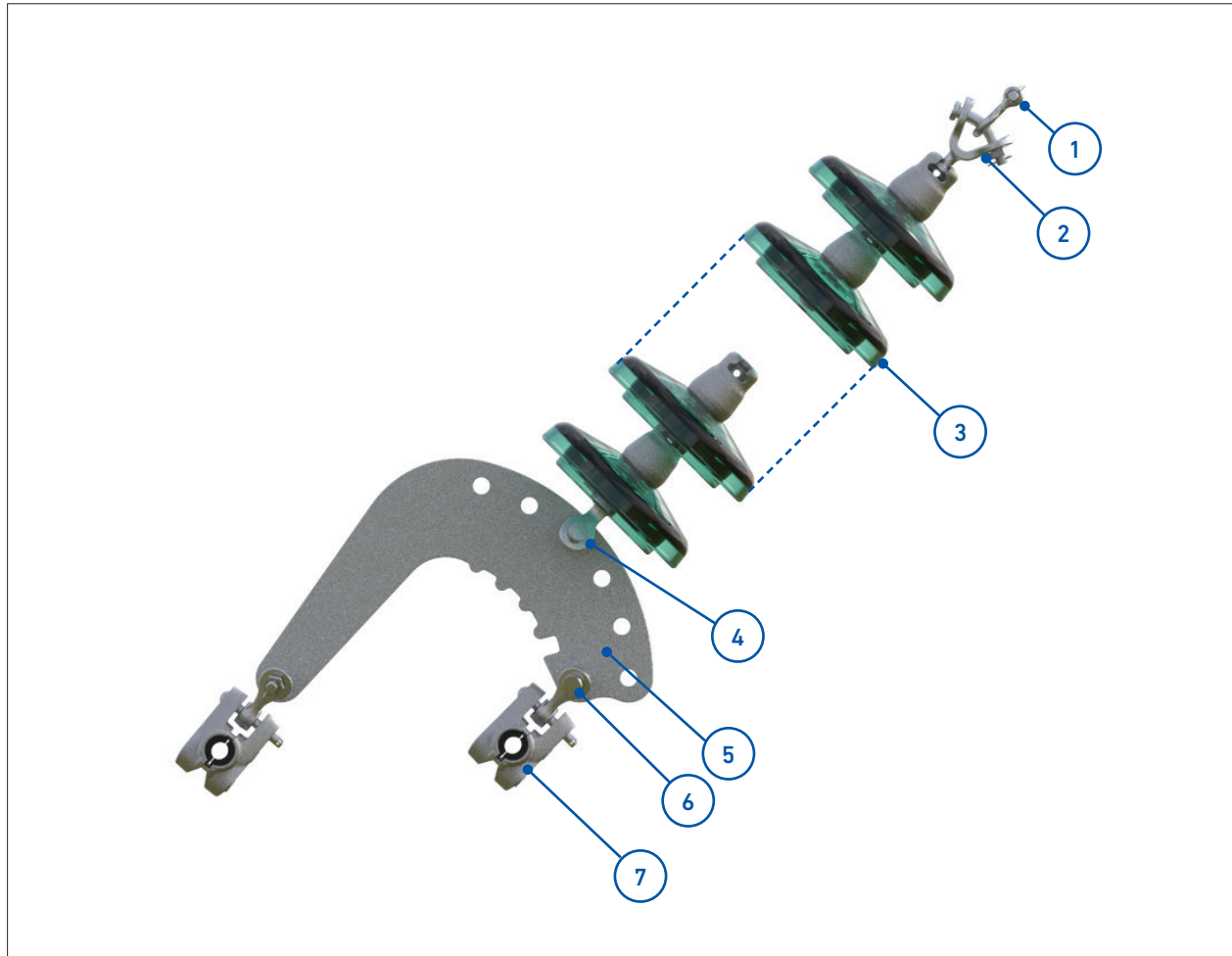
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	EYCL-30-12	Y-Clevis Eye Link, 12"	2	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	2	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	–	–	–	–
4	SYC-30	Socket Eye Link	2	Galvanized Steel	30,000	133
5	YPD-65643	Delta Yoke Plate	1	Galvanized Steel	30,000	133
6	See Note 4 on Page 9	Attachment Hardware	1	Galvanized Steel	25,000	111
7	See Note 4 on Page 9	ARMOR-GRIP® Suspension	2	Aluminum	25,000	111
8	VBL-07	Vertical Bundling Link	1	Galvanized Steel	30,000	133

I-STRING ASSEMBLY

Angled Suspension Twin-Bundle Conductor, 30 K

Catalog Number: A-IH-21-30-XXX



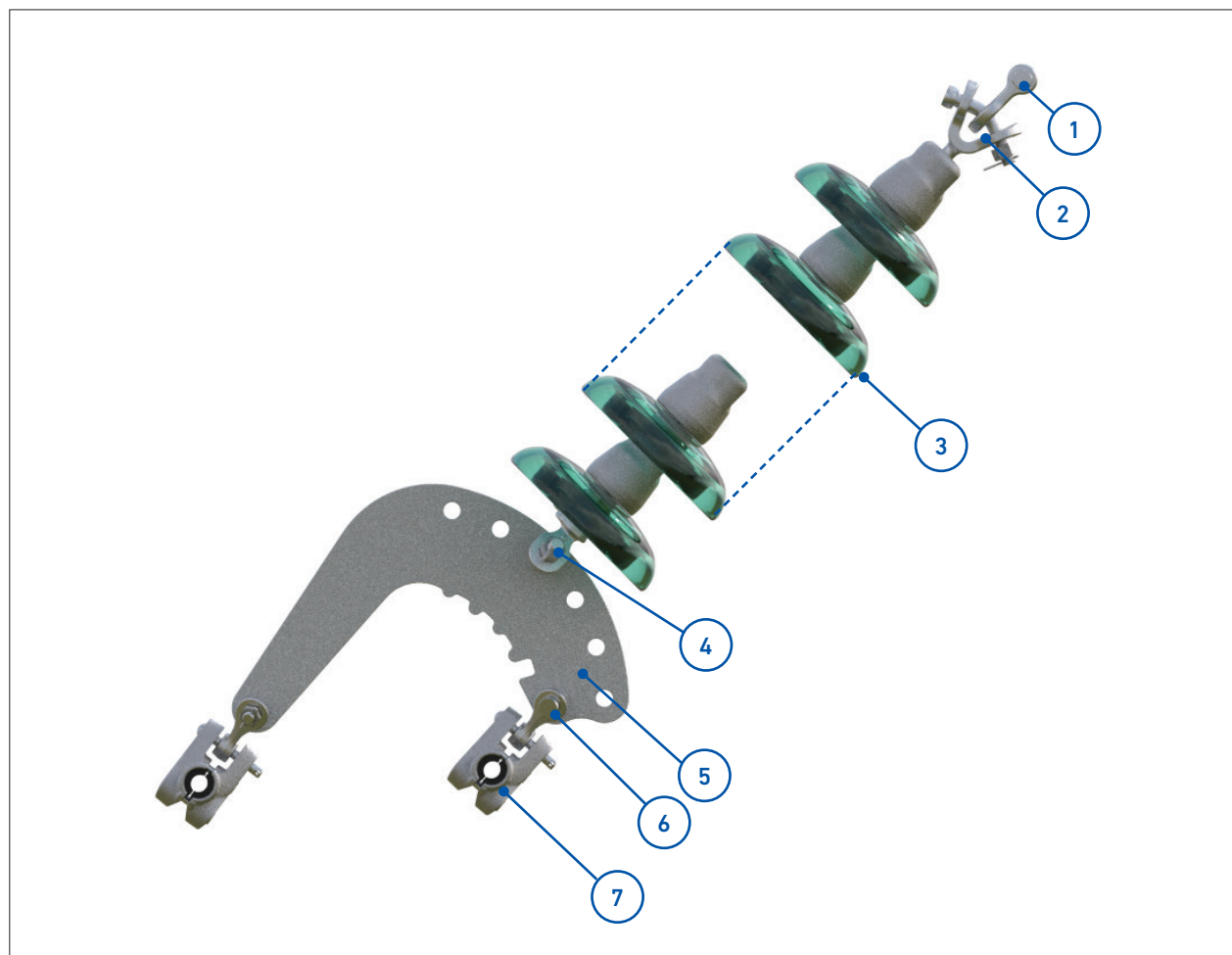
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied by Other	Insulator String	—	—	30,000	133
4	SYC-30	Socket Y-Clevis	1	Galvanized Steel	30,000	133
5	YPC-65613	Crescent Yoke Plate	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	Attachment Hardware	2	Galvanized Steel	50,000	222
7	See Note 4 on Page 9	CUSHION-GRIP® Suspension	2	Aluminum	50,000	222

I-STRING ASSEMBLY

Angled Suspension Twin-Bundle Conductor, 50 K

Catalog Number: A-IH-21-50-XXX



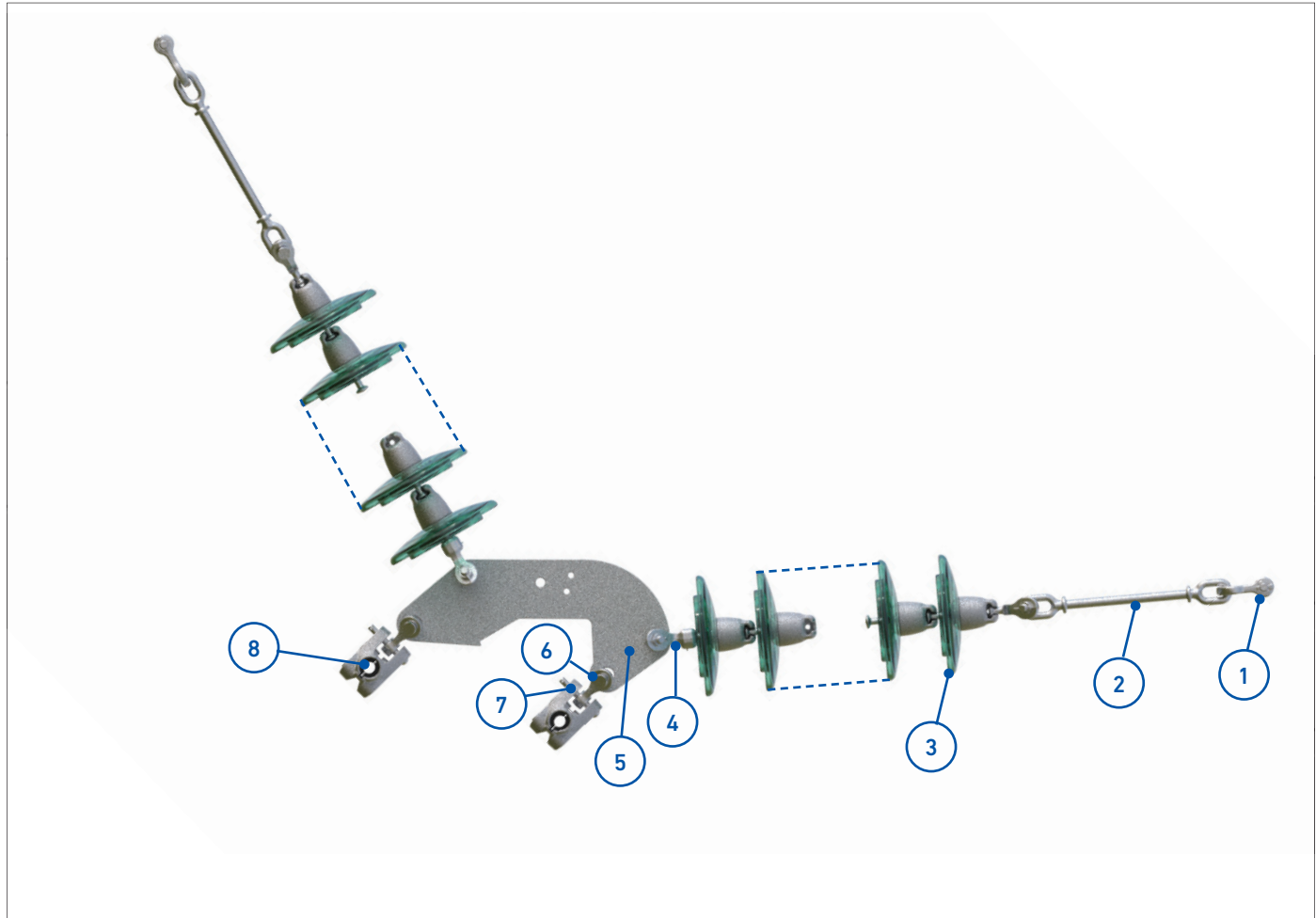
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	1	Galvanized Steel	60,000	267
2	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
3	Supplied by Other	Insulator String	—	—	50,000	222
4	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
5	YPC-65613	Crescent Yoke Plate	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	Attachment Hardware	2	Galvanized Steel	50,000	222
7	See Note 4 on Page 9	CUSHION-GRIP® Suspension	2	Aluminum	50,000	222

V-STRING ASSEMBLY

Angled Suspension Twin Horizontal Bundle Conductor, 30 K

Catalog Number: A-VH-22-30-XXX



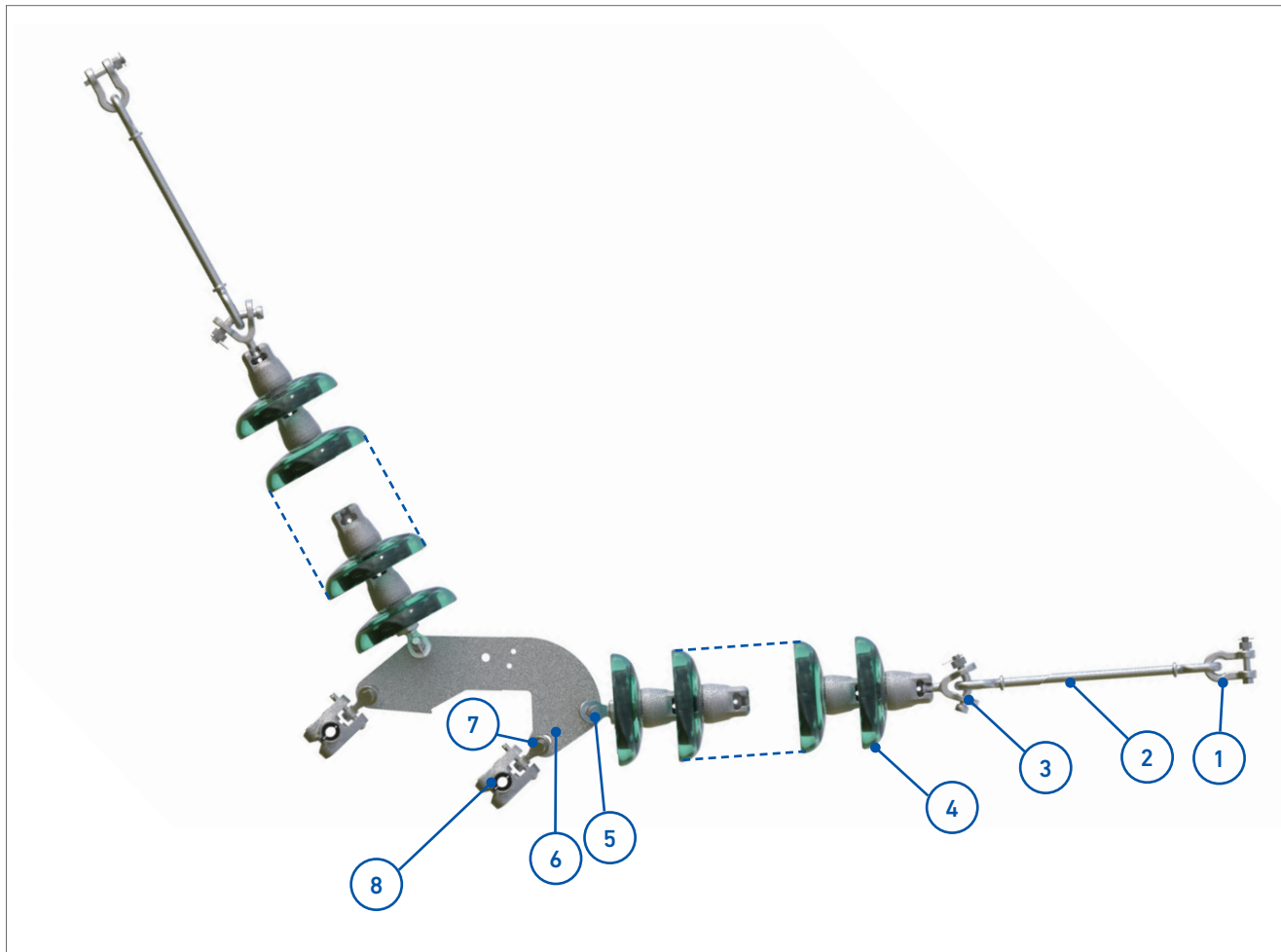
Bill of Materials

Symbol	Part Number	Description	Qty	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	2	Galvanized Steel	60,000	267
2	EEL-30-XX	Eye-Eye Link, Variable Length	2	Galvanized Steel	30,000	133
3	BYC-30	Ball Y-Clevis	2	Galvanized Steel	30,000	133
4	Supplied By Other	Insulator String	2	Glass	30,000	133
5	SYC-30	Socket Y-Clevis	2	Galvanized Steel	30,000	133
6	YPC-65962	Yoke Plate, Crescent	1	Galvanized Steel	50,000	222
7	See Note 4 Page 9	Attachment Hardware	2	Galvanized Steel	30,000	133
8	See Note 4 Page 9	Cushion-Grip Suspension	2	Aluminum	25,000	111

V-STRING ASSEMBLY

Angled Suspension Twin Horizontal Bundle Conductor, 50 K

Catalog Number: A-VH-22-50-XXX



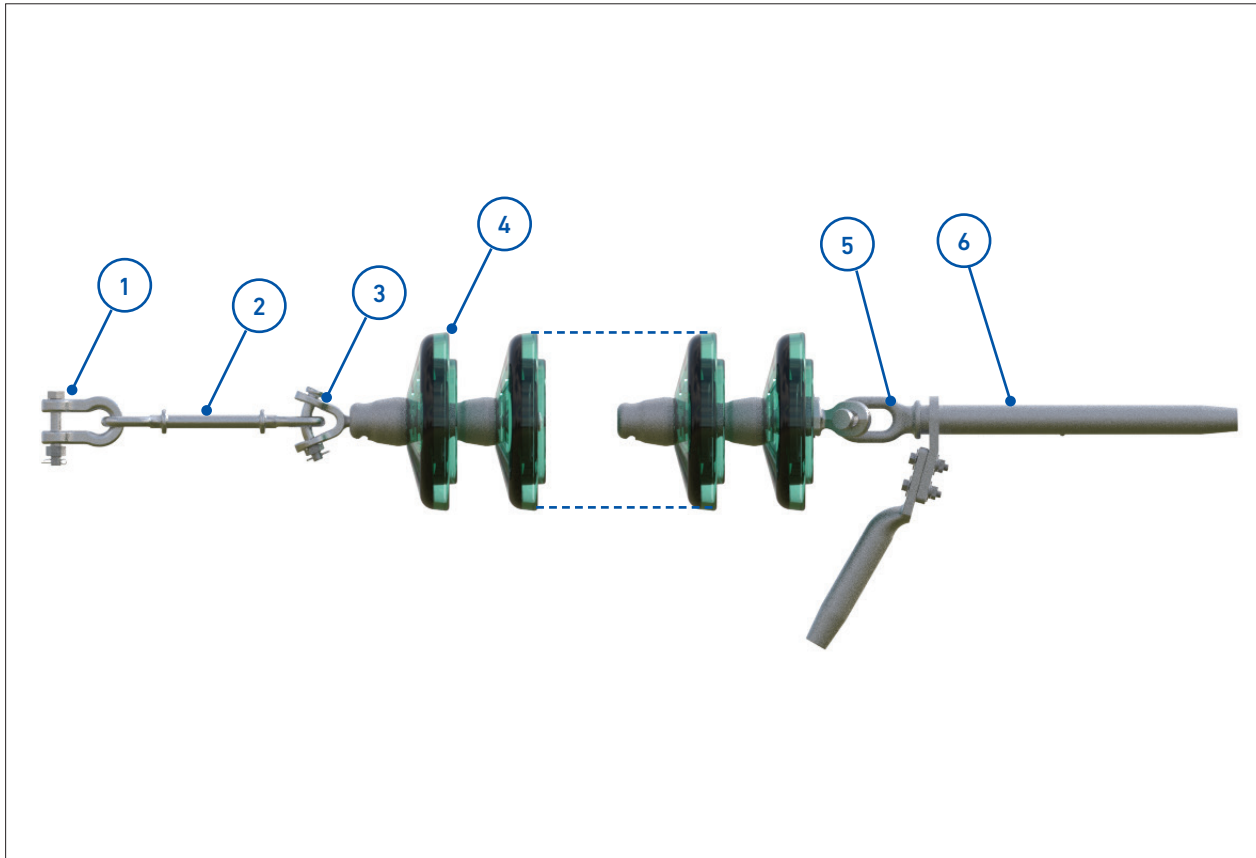
Bill of Materials

Symbol	Part Number	Description	Qty	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	2	Galvanized Steel	60,000	267
2	EEL-50-XX	Eye Eye Link, Variable Length	2	Galvanized Steel	50,000	222
3	BYC-50	Ball Y-Clevis	2	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	2	Glass	50,000	222
5	SYC-50	Socket Y-Clevis	2	Galvanized Steel	50,000	222
6	YPC-65962	Yoke Plate, Crescent	1	Galvanized Steel	50,000	222
7	See Note 4 Page 9	Attachment Hardware	2	Galvanized Steel	30,000	133
8	See Note 4 Page 9	CUSHION-GRIP® Suspension	2	Aluminum	25,000	111

DEAD-END ASSEMBLY

Single Conductor, 30 K

Catalog Number: D-IX-11-30-XXX



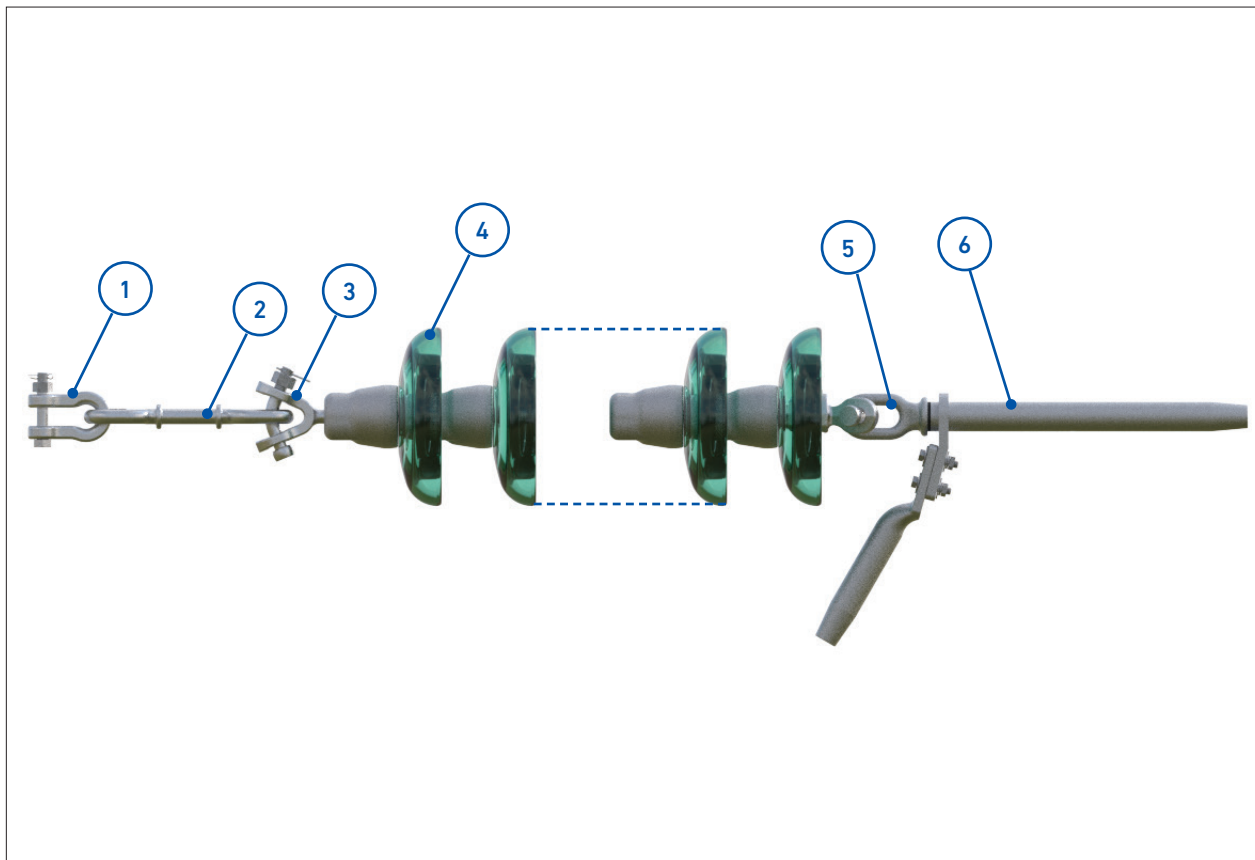
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	EEL-30-XX	Eye-Eye Link, Variable Length	1	Galvanized Steel	30,000	133
3	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	1	–	30,000	133
4	SYC-30	Socket Y-Clevis	1	Galvanized Steel	30,000	133
5	See Note 4 on Page 9	Compression Dead-End Jumper Assembly	1	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

Single Conductor, 50 K

Catalog Number: D-IX-11-50-XXX



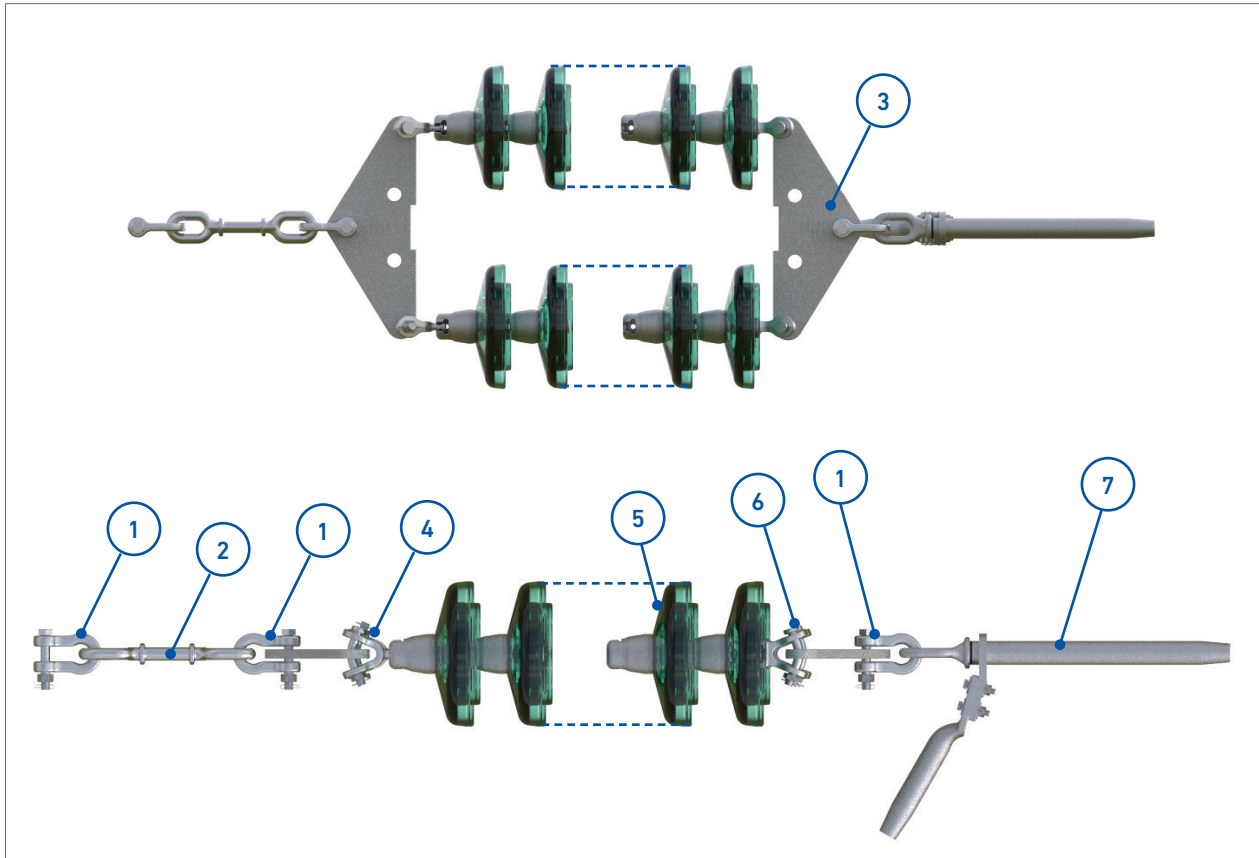
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	1	Galvanized Steel	60,000	267
2	EEL-50-XX	Eye-Eye Link, Variable Length	1	Galvanized Steel	50,000	222
3	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	1	—	50,000	222
5	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	Compression Dead-End Jumper Assembly	1	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

Single Conductor, Double Insulator, 30 K

Catalog Number: D-IX-12-30-XXX



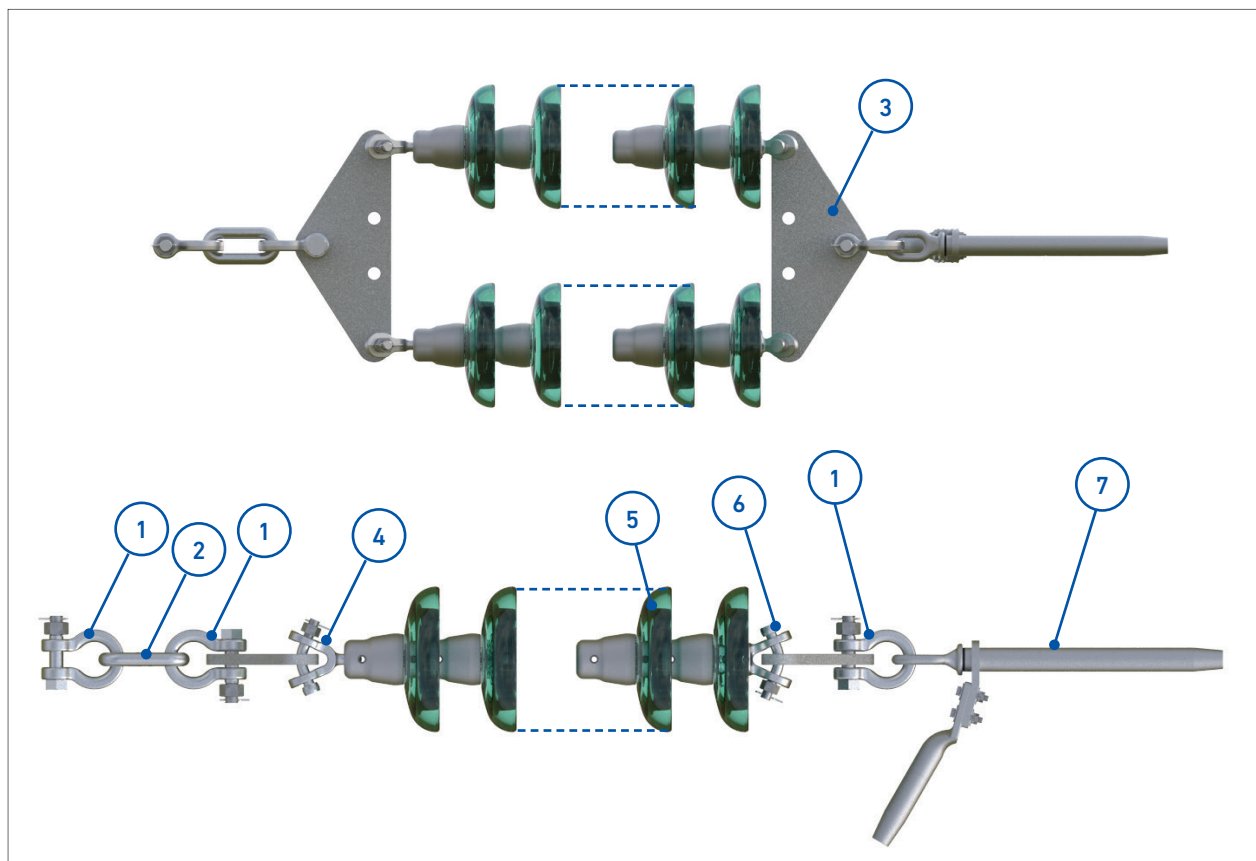
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	3	Galvanized Steel	60,000	267
2	EEL-60-XX	Eye-Eye Link	1	Galvanized Steel	60,000	267
3	YPD-69107	Delta Yoke Plate	2	Galvanized Steel	60,000	267
4	BYC-30	Ball Y-Clevis	2	Galvanized Steel	30,000	133
5	Supplied By Other	Insulator String	–	–	30,000	133
6	SYC-30	Socket Y-Clevis	2	Galvanized Steel	30,000	133
7	See Note 4 on Page 9	Compression Dead-End Assembly	1	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

Single Conductor, Double Insulator, 50 K

Catalog Number: D-IX-12-50-XXX



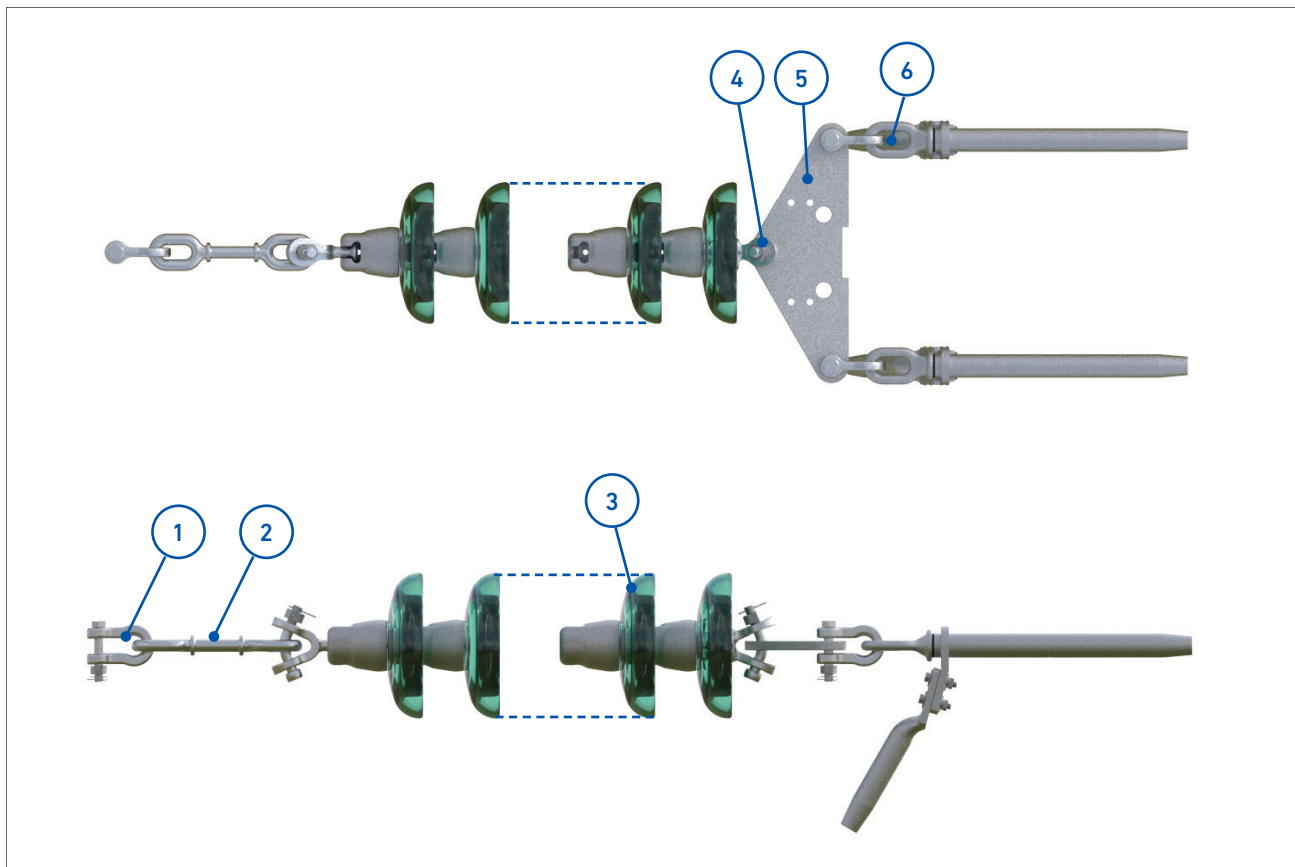
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-100BNK	Anchor Shackle	5	Galvanized Steel	100,000	444
2	CL-100	Chain Link	1	Galvanized Steel	100,000	444
3	YPD-65965	Delta Yoke Plate	2	Galvanized Steel	100,000	444
4	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
5	Supplied By Other	Insulator String	–	–	50,000	222
6	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
7	See Note 4 on Page 9	Compression Dead-End Assembly	1	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

Single Insulator, Twin Bundle 50 K

Catalog Number: D-IH-21-50-XXX



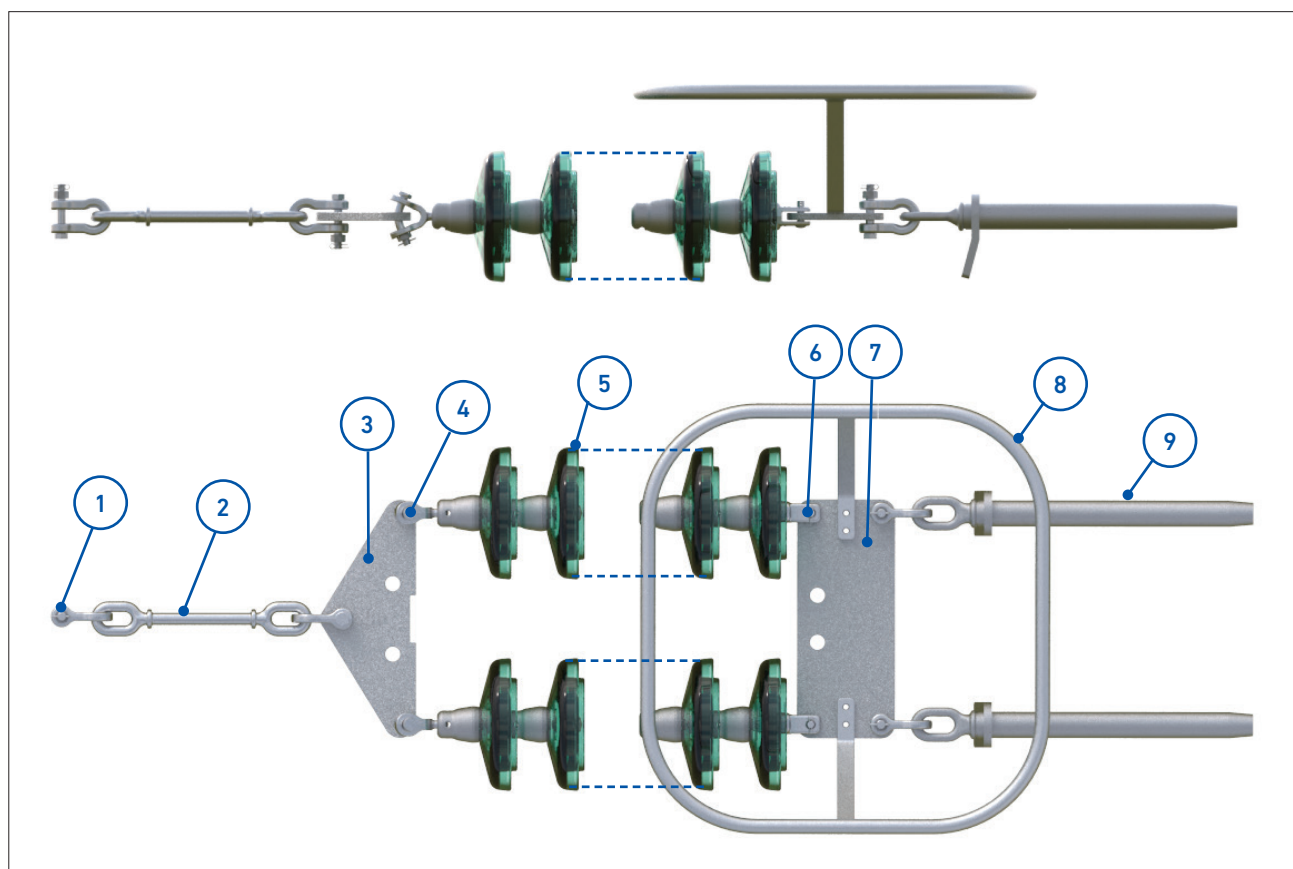
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	3	Galvanized Steel	60,000	267
2	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
3	Supplied By Other	Insulator String	–	–	50,000	222
4	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
5	YPD-65961	Yoke Plate, Delta	1	Galvanized Steel	50,000	222
6	See Note 4 on Page 9	CUSHION-GRIP® Suspension	1	Aluminum	25,000	111

DEAD-END ASSEMBLY

Twin Bundle Conductor, Double Insulator, 30 K

Catalog Number: D-IH-22-30-XXX



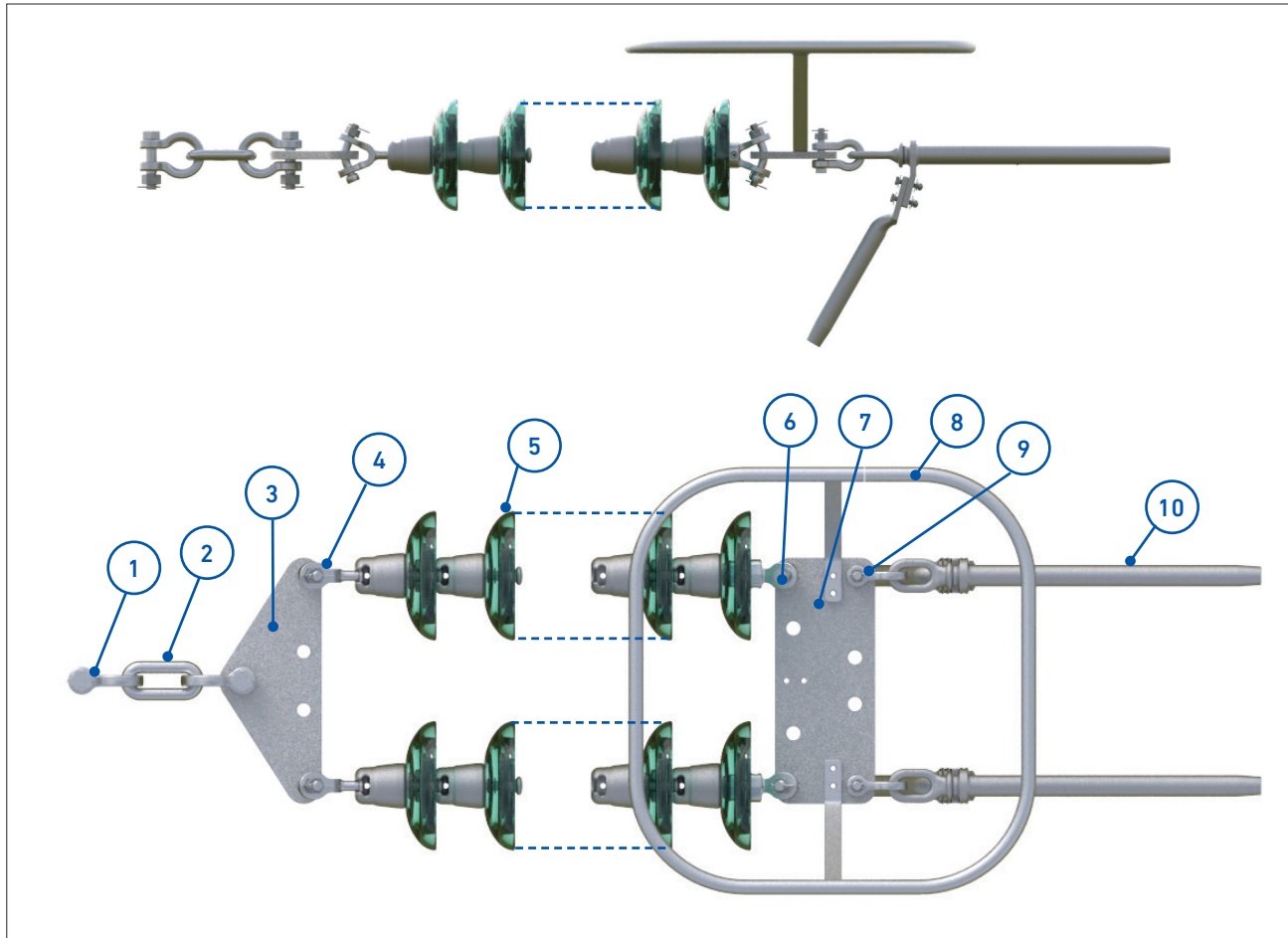
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	4	Galvanized Steel	60,000	267
2	EEL-60-XX	Eye-Eye Link, Variable Length	1	Galvanized Steel	60,000	267
3	YPD-69107	Yoke Plate, Delta	1	Galvanized Steel	60,000	267
4	BYC-30	Ball Y-Clevis	2	Galvanized Steel	30,000	111
5	Supplied By Other	Insulator String	–	–	–	–
6	SYC-50	Socket Clevis	2	Galvanized Steel	30,000	133
7	YPR-65606	Rectangular Yoke Plate	1	Galvanized Steel	30,000	133
8	CR-003	Corona Ring	1	Aluminum	–	–
9	See Note 4 on Page 9	Compression Dead-End Assembly	2	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

Twin Bundle Conductor, Double Insulator, 50K

Catalog Number: D-IH-22-50-XXX



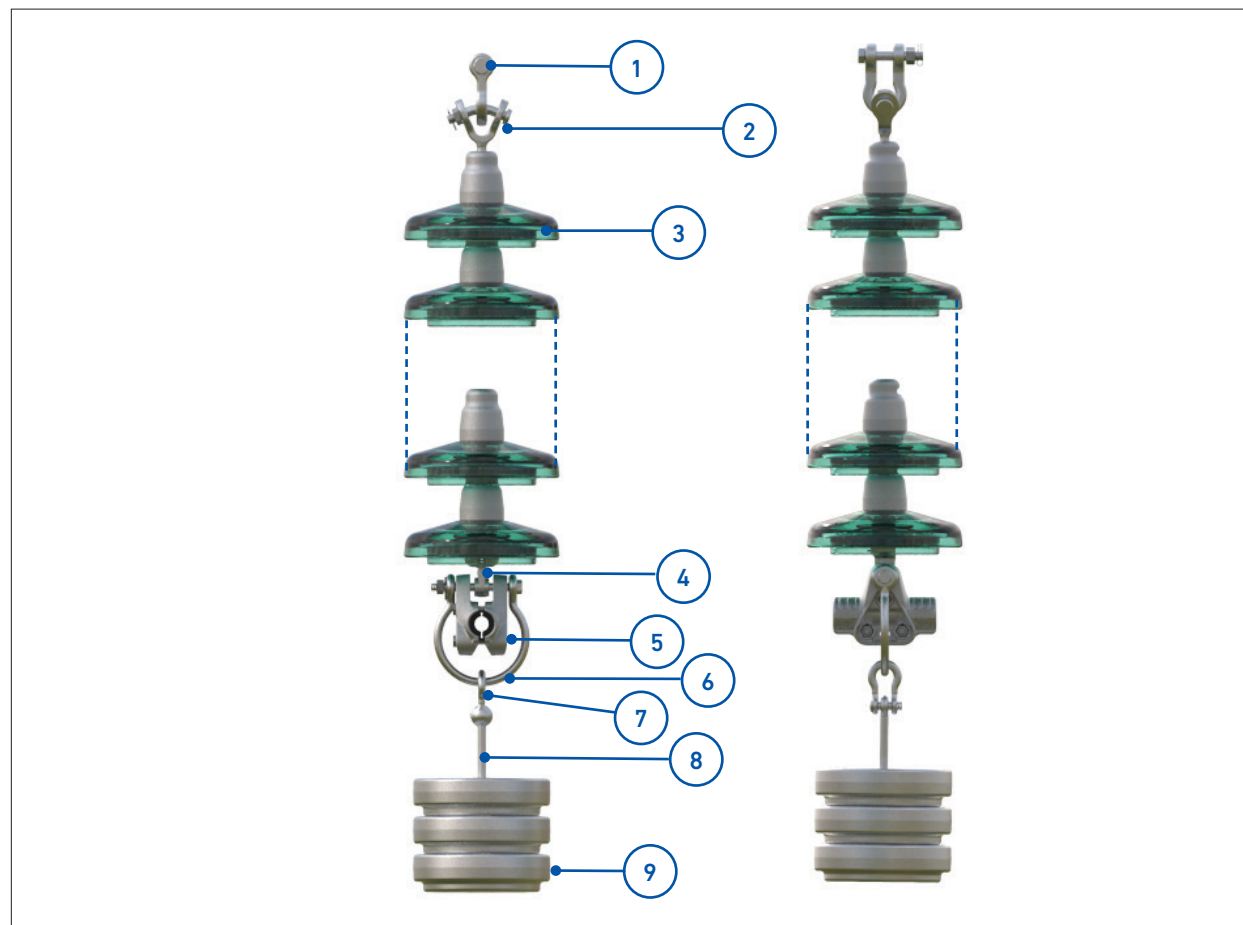
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-100BNK	Anchor Shackle	2	Galvanized Steel	100,000	444
2	CL-100	Chain Link	1	Galvanized Steel	100,000	444
3	YPD-65965	Delta Yoke Plate	1	Galvanized Steel	100,000	444
4	BYC-50	Ball Y-Clevis	2	Galvanized Steel	50,000	222
5	Supplied By Other	Insulator String	–	–	–	–
6	SYC-50	Socket Y-Clevis	2	Galvanized Steel	30,000	133
7	YPR-65608	Rectangular Yoke Plate	1	Galvanized Steel	30,000	133
8	CR-003	Corona Ring	1	Aluminum	–	–
9	AS-60BNK	Anchor Shackle	2	Galvanized Steel	60,000	267
10	See Note 4 on Page 9	Compression Dead-End Assembly	2	Galvanized Steel and Aluminum	95% RBS	

JUMPER ASSEMBLY

Single Conductor, I-String, 30K

Catalog Number: J-IX-11-30-XXX

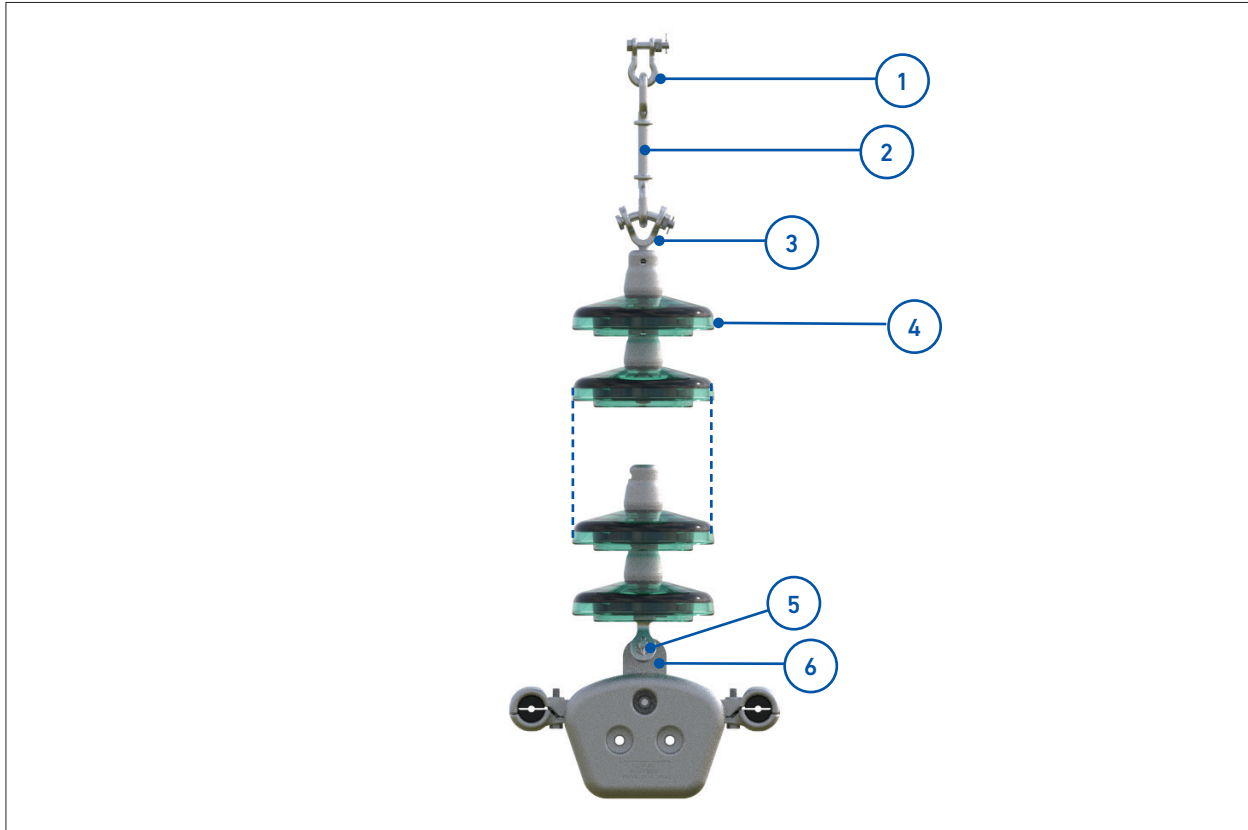


Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	BYC-30	Ball Y-Clevis	1	Galvanized Steel	30,000	133
3	Supplied By Other	Insulator String	-	-	-	-
4	See Note 4 on Page 9	Socket Eye Attachment Hardware	1	Galvanized Steel	25,000	111
5	See Note 4 on Page 9	CUSHION-GRIP® Suspension	1	Aluminum	25,000	111
6	HDS-06	Hold Down Shackle	1	Galvanized Steel		
7	AS-5L	Anchor Shackle	1	Galvanized Steel	30,000	133
8	00066148	Eye Bolt	1	Galvanized Steel		
9	00069157	Hold Down Weight	3	Galvanized Steel	-	-

DEAD-END ASSEMBLY

Jumper Assembly, Twin Horizontal Bundle Conductor, I-String, 30K
Catalog Number: J-IH-21-30-XXX



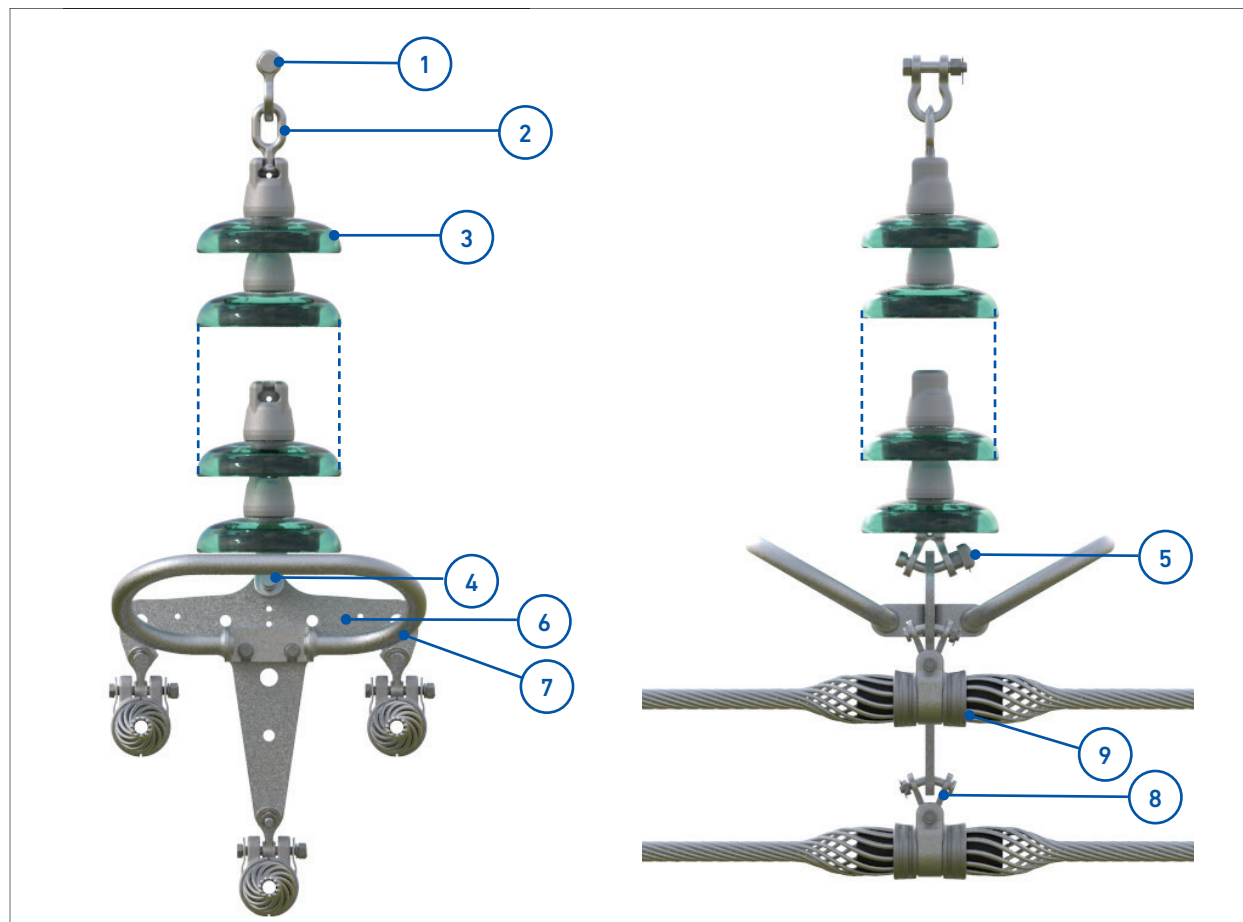
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-30BNK	Anchor Shackle	1	Galvanized Steel	30,000	133
2	EEL-30-L	Eye-Eye Link	1	Galvanized Steel	30,000	133
3	BYC-30	Ball Y-Clevis	1	Ductile Iron	30,000	133
4	Supplied by Other	Insulator String	2	–	30,000	133
5	SYC-30	Socket Y-Clevis	2	Ductile Iron	30,000	133
6	CGJY-2XX-YYY	CUSHION-GRIP® Jumper Yoke Assembly	1	Ductile Iron	30,000	133

DEAD-END ASSEMBLY

Tangent Suspension, Tri-Bundle Conductor, Single I-String, 50K

Catalog Number: S-IT-31-50-XXX



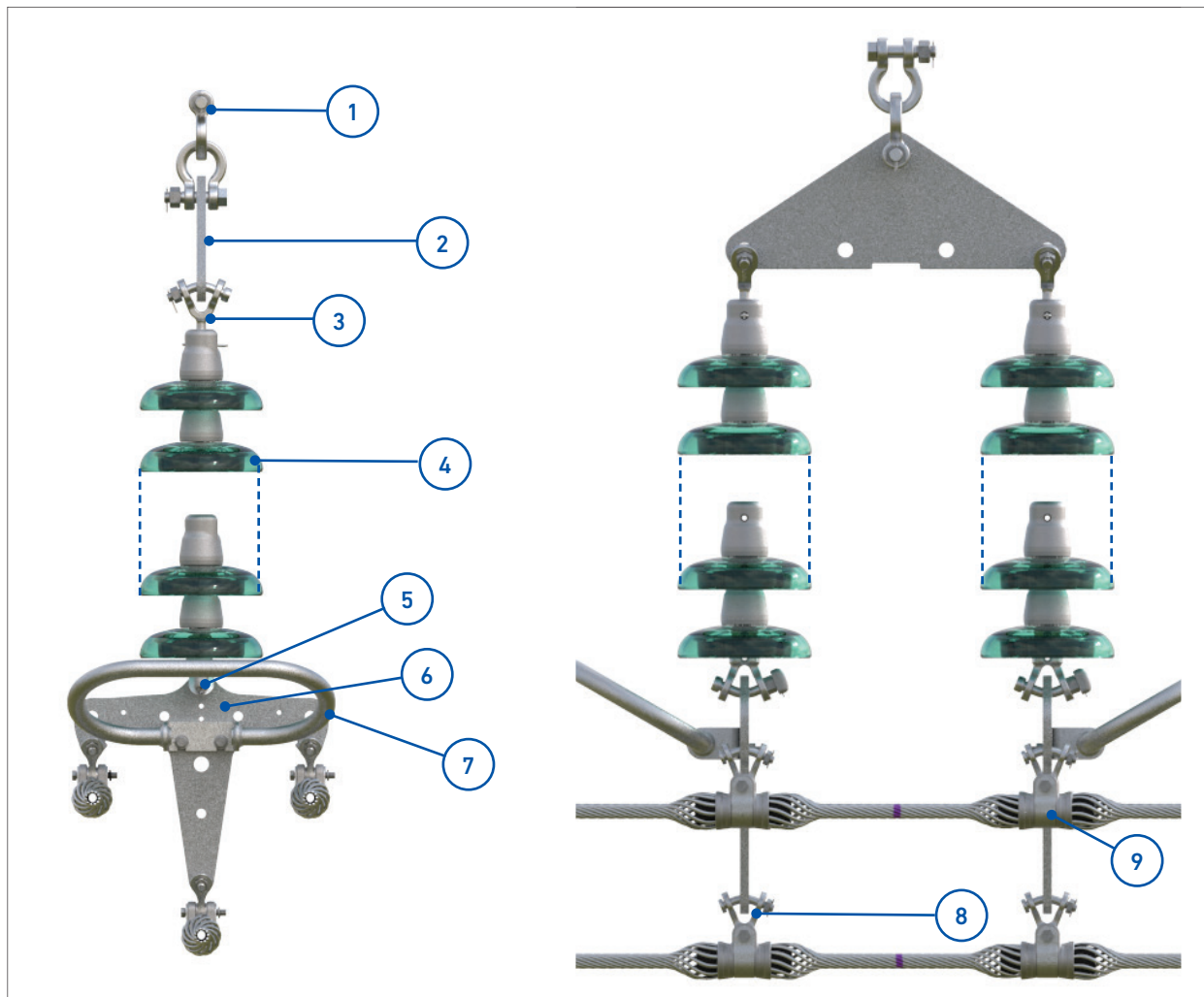
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	1	Galvanized Steel	60,000	267
2	BE-50	Ball Eye	1	Galvanized Steel	50,000	222
3	Supplied By Other	Insulator String	-	-	-	-
4	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
5	SN-78	Corona Shield Nut	1	Aluminum	-	-
6	YPT-66278	Tri-Bundle Yoke Plate	1	Galvanized Steel	50,000	222
7	CR-022	Corona Ring	1	Aluminum	-	-
8	See Note 4 on Page 9	Attachment Hardware	3	Galvanized Steel	25,000	111
9	See Note 4 on Page 9	ARMOR-GRIP® Suspension	3	Aluminum	25,000	111

SUSPENSION ASSEMBLY

Tangent Suspension, Tri-Bundle Conductor, Double I-String, 50K

Catalog Number: S-IT-32-50-XXX



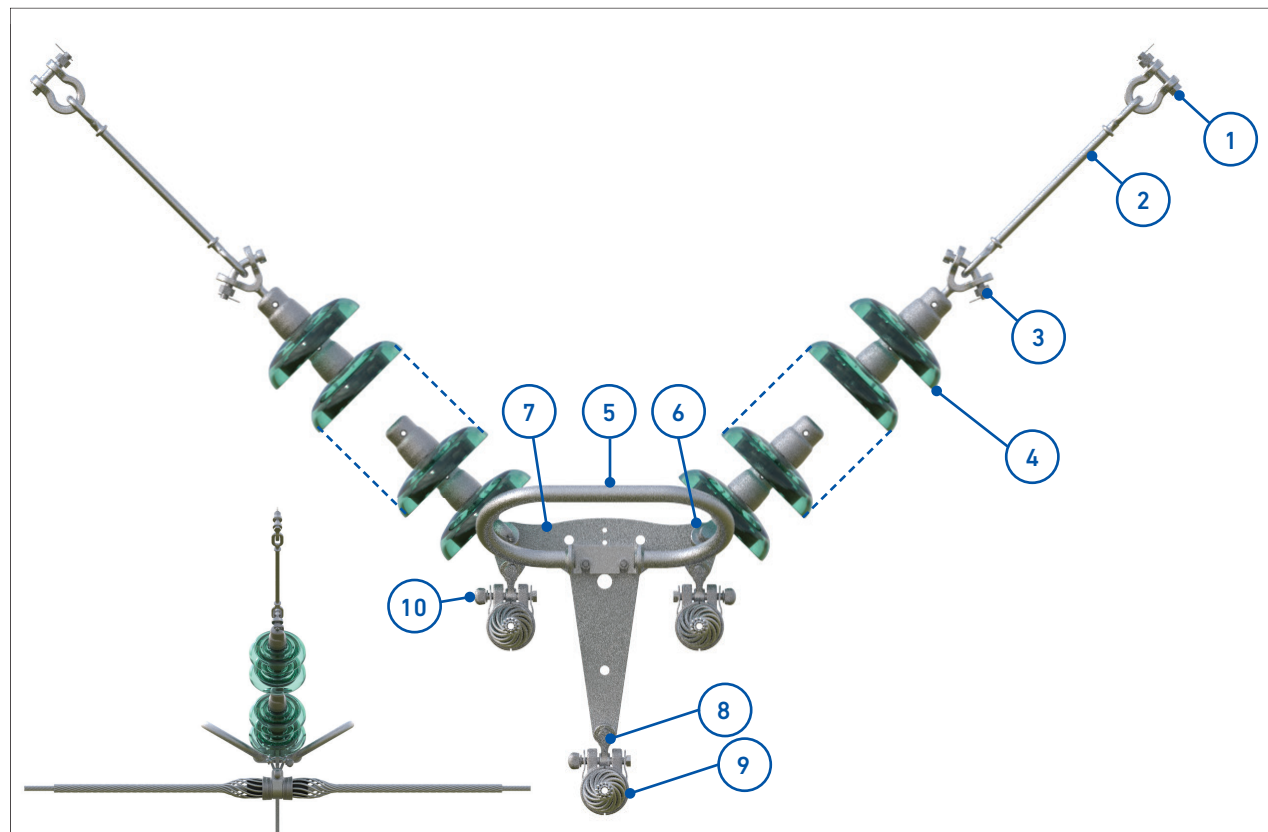
Bill of Materials

Symbol	Part Number	Description	Qty	Material	UBS	
					lb	kN
1	AS-100LBNK	Anchor Shackle	2	Galvanized Steel	100,000	444
2	YPD-66827	Delta Yoke Plate	1	Galvanized Steel	100,000	444
3	BYC-50	Ball Y-Clevis	2	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	-	-	-	-
5	SYC-50	Socket Y-Clevis	2	Galvanized Steel	50,000	222
6	YPT-66278	Tri-Bundle Yoke Plate	2	Galvanized Steel	50,000	222
7	CR-022	Corona Ring	1	Aluminum	-	-
8	See Note 4 on Page 9	Attachment Hardware	6	Galvanized Steel	25,000	111
9	See Note 4 on Page 9	Double ARMOR-GRIP® Suspension	3	Aluminum	25,000	111

SUSPENSION ASSEMBLY

Tangent Suspension Tri-Bundle Conductor, Single V-String, 50 K

Catalog Number: S-VT-32-50-XXX



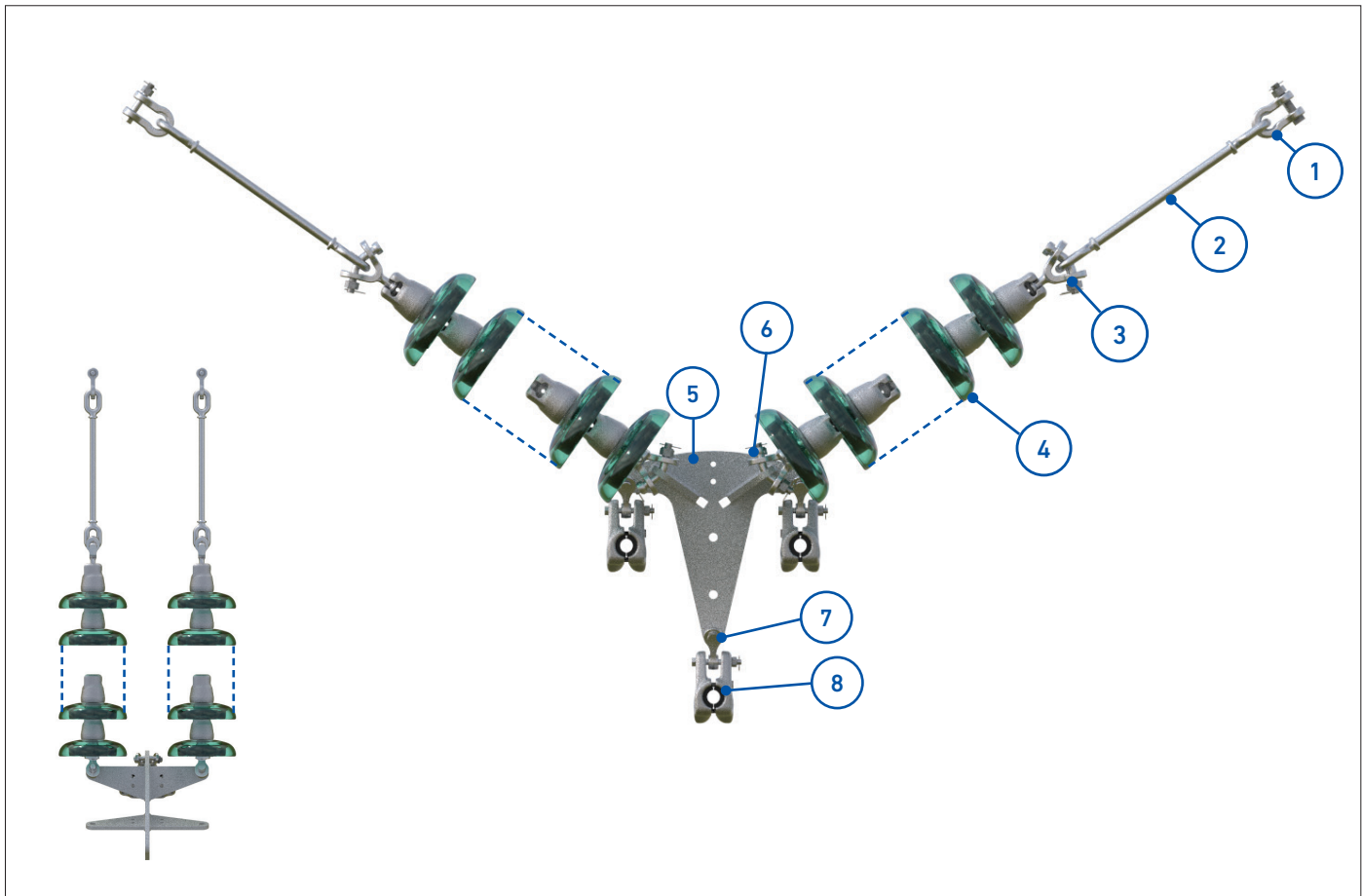
Bill of Materials

Symbol	Part Number	Description	Qty	Material	UBS	
					lb	kN
1	AS-60WBNK	Anchor Shackle	2	Galvanized Steel	60,000	267
2	EEL-40-XX	Eye-Eye Link, Variable Length	2	Galvanized Steel	40,000	177
3	BYC-50	Ball Y-Clevis	2	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	2	Glass	40,000	177
5	CR-022	Corona Ring	1	Aluminum	-	-
6	SYC-50	Socket Y-Clevis	2	Galvanized Steel	50,000	222
7	YPT-66115	Tri-Bundle Yoke Plate	1	Galvanized Steel	50,000	222
8	See Note 4 Page 9	Attachment Hardware	2	Galvanized Steel	30,000	133
9	See Note 4 Page 9	ARMOR-GRIP® Suspension, EHV	2	Aluminum	25,000	111
10	SN-34	Shield Nut, 3/4"	7	Aluminum	-	-

SUSPENSION ASSEMBLY

Tangent Suspension Tri-Bundle Conductor, 50 K

Catalog Number: S-VT-34-50-XXX



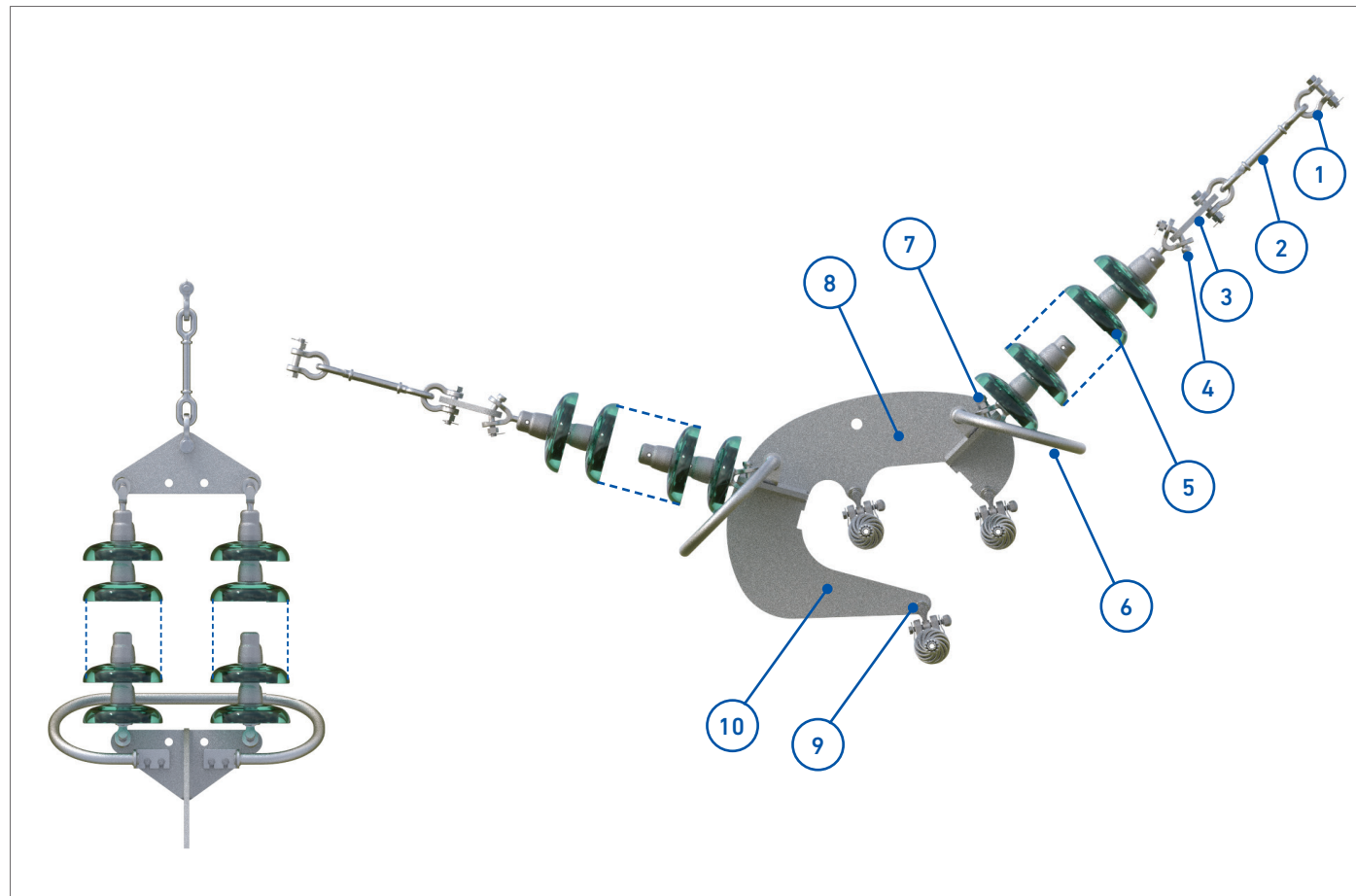
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-60BNK	Anchor Shackle	4	Galvanized Steel	60,000	267
2	EEL-50-XX	Eye-Eye Link, Variable Length	4	Galvanized Steel	50,000	222
3	BYC-50	Ball Y-Clevis	4	Galvanized Steel	50,000	222
4	Supplied By Other	Insulator String	4	Glass	50,000	222
5	SYC-50	Socket Y-Clevis	4	Galvanized Steel	50,000	222
6	YPT-66118	Tri-Bundle Yoke Plate	1	Galvanized Steel	50,000	222
7	See Note 4 Page 9	Attachment Hardware	3	Galvanized Steel	30,000	133
8	See Note 4 Page 9	CUSHION-GRIP® Suspension	3	Aluminum	25,000	111

SUSPENSION ASSEMBLY

Angled Suspension Tri-Bundle Conductor, 50 K

Catalog Number: A-VT-34-50-XXX



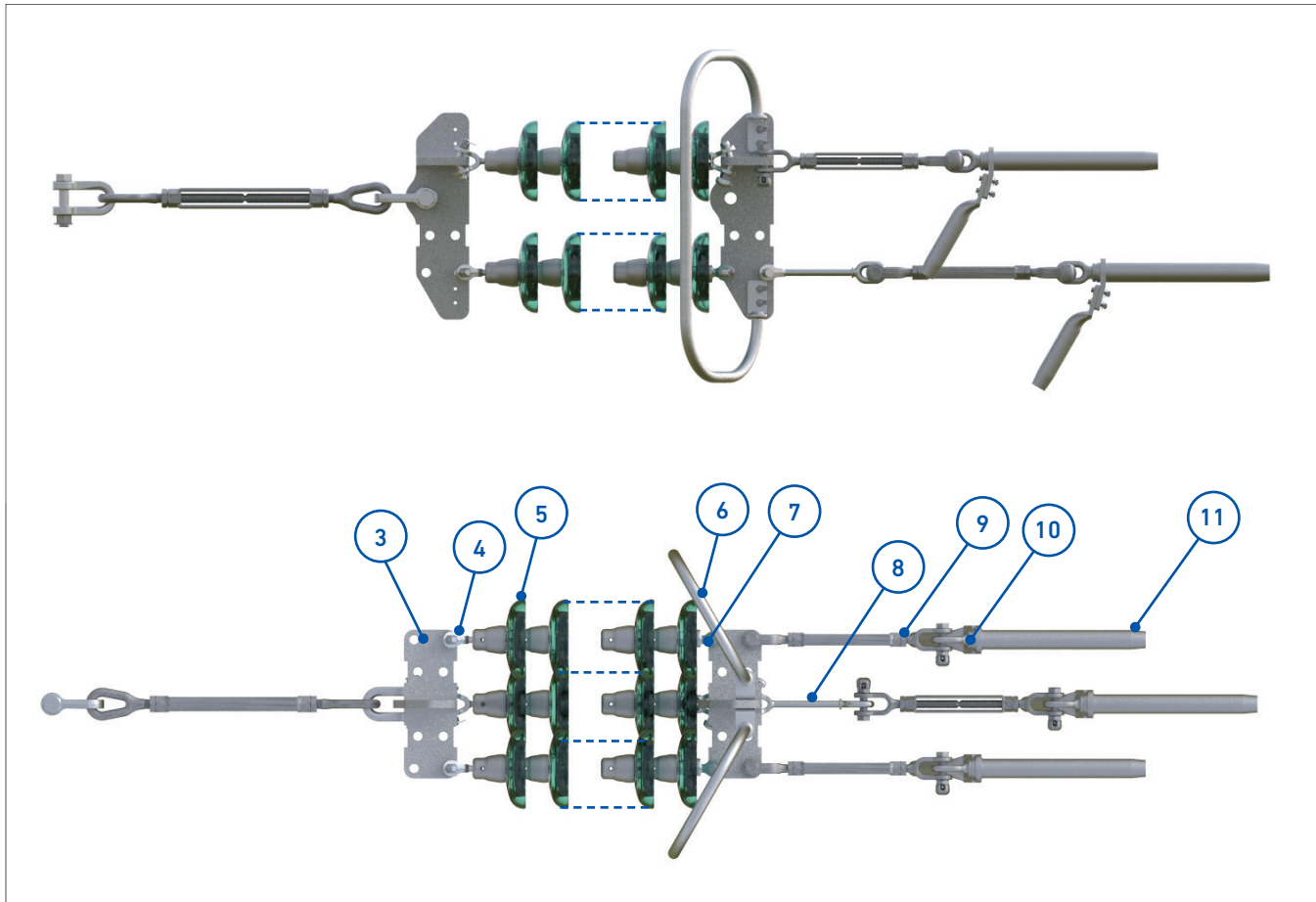
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-80BNK	Anchor Shackle	4	Galvanized Steel	80,000	267
2	EEL-80-XX	Eye-Eye Link, 15"	2	Galvanized Steel	80,000	222
3	YPD-65965	Delta Yoke Plate	2	Galvanized Steel	100,000	222
4	BYC-50	Ball Y-Clevis	4	Galvanized Steel	50,000	222
5	Supplied By Other	Insulator String	4	Glass	40,000	222
6	CR-012	Corona Ring	2	Aluminum	-	222
7	SYC-50	Socket Y-Clevis w/Shield Nut	4	Galvanized Steel	50,000	133
8	YPT-66211	Angled Tri-Bundle Yoke Plate	1	Galvanized Steel	100,000	111
9	See Note 4 Page 9	Attachment Hardware	3	Galvanized Steel	30,000	133
10	See Note 4 Page 9	ARMOR-GRIP® Suspension, EHV	2	Aluminum	25,000	111
11	SN-34	Shield Nut, 3/4"	7	Aluminum	-	
12	SN-58	Shield Nut, 5/8"	2	Aluminum	-	

SUSPENSION ASSEMBLY

Tri-Bundle Conductor, 50 K

Catalog Number: D-IT-33-50-XXX



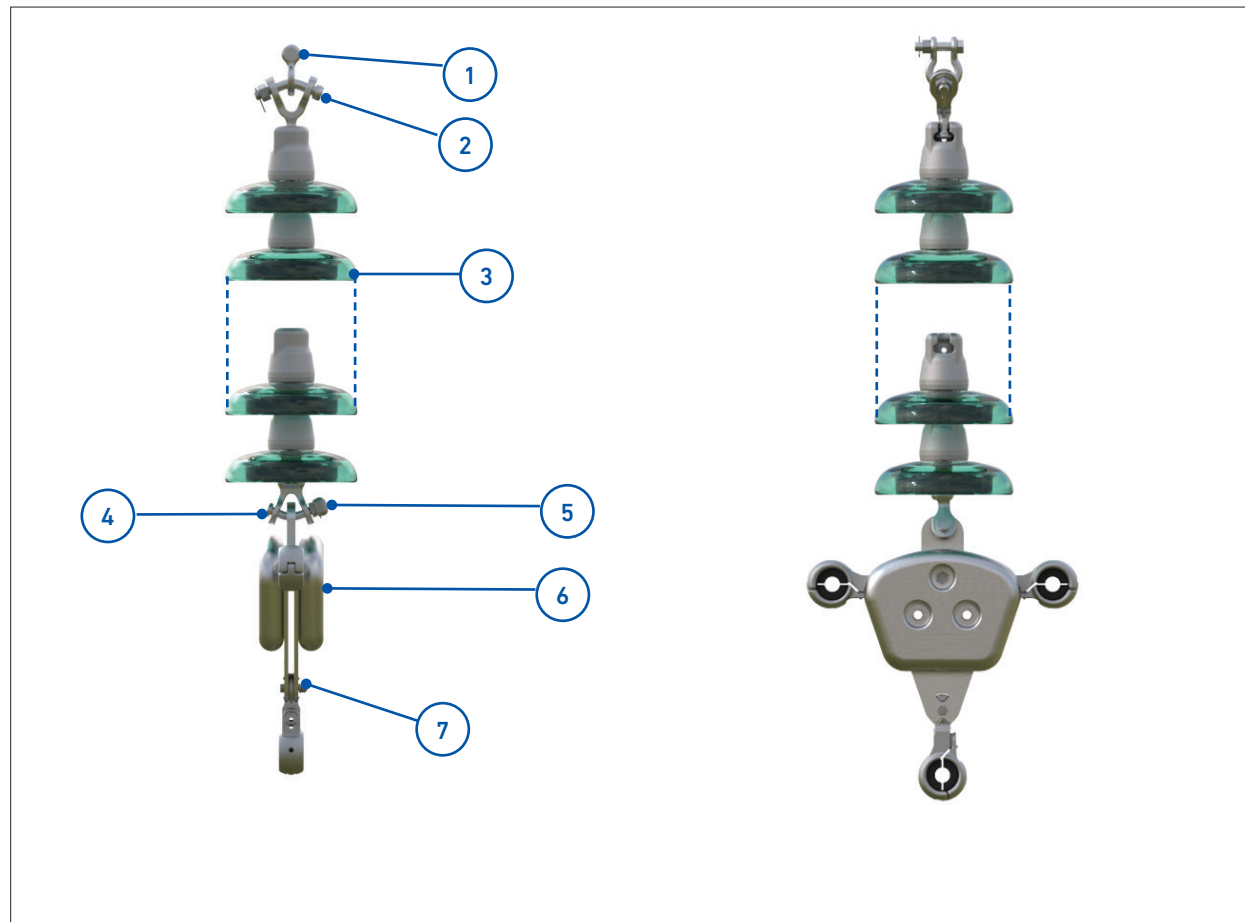
Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-150LBNKC	Anchor Shackle	2	Galvanized Steel	150,000	667
2	TB-EE-2-24-XXX	Eye-Eye Turnbuckle	1	Galvanized Steel	185,000	822
3	YPT-66215C	Tri Bundle Yoke Plate	2	Galvanized Steel	150,000	667
4	BYC-50	Ball Y-Socket	3	Galvanized Steel	50,000	222
5	Supplied By Other	Insulator String	-	-	-	-
6	CR-013	Corona Ring	1	Aluminum	-	-
7	SYC-50	Socket Y-Clevis	3	Galvanized Steel	50,000	222
8	OYCL-50-XXX	Oval Eye Y-Clevis Link	1	Galvanized Steel	50,000	222
9	TB-JJ-114-XX	Jaw-Jaw Turnbuckle	3	Galvanized Steel	76,000	337
10	SN-118	Shield Nut	6	Aluminum	-	-
11	See Note 4 on Page 9	Compression Dead-End Assembly	3	Galvanized Steel and Aluminum	95% RBS	

DEAD-END ASSEMBLY

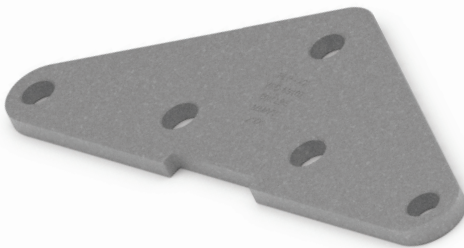
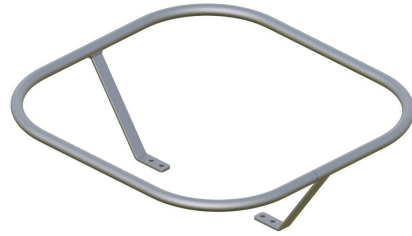
Angled Suspension, Tri-Bundle Conductor, 50 K

Catalog Number: J-IT-31-50-XXX



Bill of Materials

Symbol	Part Number	Description	Quantity	Material	UBS	
					lb	kN
1	AS-50BNK	Anchor Shackle	1	Galvanized Steel	50,000	222
2	BYC-50	Ball Y-Clevis	1	Galvanized Steel	50,000	222
3	Supplied By Other	Insulator String	-	-	-	
4	SYC-50	Socket Y-Clevis	1	Galvanized Steel	50,000	222
5	SN-78	Shield Nut	1	Aluminum	-	
6	00069138	Jumper Yoke Hold Down Weight	2	Galvanized Steel	-	
7	See Note 4 on Page 9	CUSHION-GRIP® Jumper Yoke	1	Aluminum	50,000	222



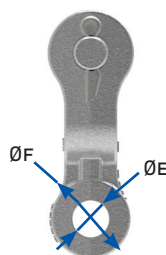
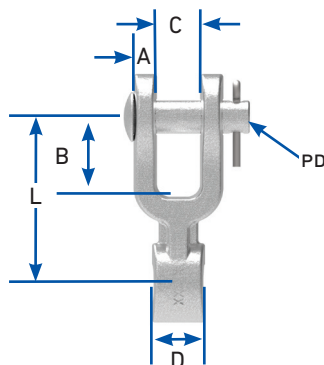
STRING HARDWARE COMPONENTS

PLP's **String Hardware Assemblies** solutions include a complete range of individual hardware components needed for tangent suspensions, angled suspensions, and dead-end applications.

FEATURES AND BENEFITS

- Complete selection of high-quality clevises, extension links, anchor shackles, turnbuckles, vertical bundling links, yoke plates, corona rings, and associated hardware
- Multiple sizes and configurations to accommodate every project
- Precision manufactured to maximize strength and durability
- Meets IEEE C135.100 Standard for the Testing of Overhead Transmission and Distribution Line Hardware requirements

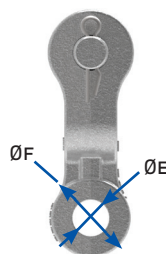
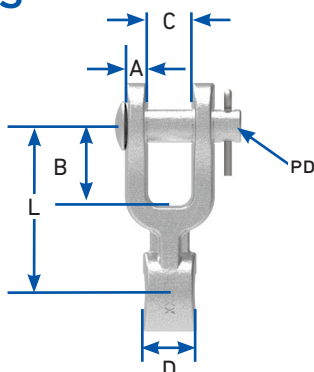
CLEVIS EYE



Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	Dimensions								Vertical Ultimate Strength	Weight
	in (mm)									
	A	B	C	D	E	F	L	PD	lb (kg)	lb (kg)
CE-5259	7/16 (11)	1-1/2 (38)	13/16 (21)	9/16 (14)	11/16 (17)	1-9/16 (40)	3-1/8 (79)	5/8 (16)	15,000 (67)	1.1 (0.5)
CE-5261	7/16 (11)	1-1/2 (38)	13/16 (21)	3/4 (19)	11/16 (17)	1-9/16 (40)	3-1/8 (79)	5/8 (16)	20,000 (84)	1.2 (0.5)
CE-5105	7/16 (11)	1-1/2 (38)	13/16 (21)	1-1/16 (27)	13/16 (21)	1-1/2 (38)	3-1/8 (79)	5/8 (16)	25,000 (111)	1.2 (0.5)
CE-5106	7/16 (11)	1-1/2 (38)	13/16 (21)	2-1/8 (54)	13/16 (21)	1-1/2 (38)	3-1/8 (79)	5/8 (16)	25,000 (111)	1.6 (0.7)
CE-5107	7/16 (11)	1-1/2 (38)	13/16 (21)	1 (25)	11/16 (17)	1-1/2 (38)	3-1/8 (79)	5/8 (16)	25,000 (111)	1.2 (0.5)

CLEVIS EYE FOR ALS

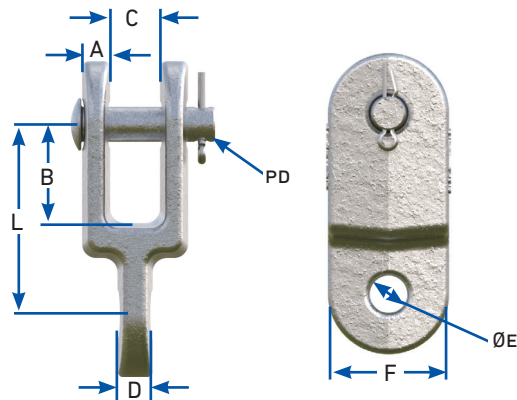
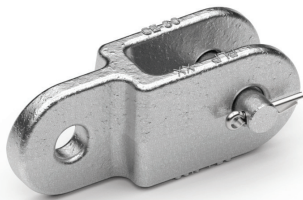


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions								Vertical Ultimate Strength	Weight
	in (mm)									
	A	B	C	D	E	F	L	PD	lbf (kN)	lb (kg)
CE-9109	7/16 (11)	1-1/4 (32)	7/8 (22)	5/8 (16)	11/16 (17)	1-9/16 (40)	2-7/8 (73)	5/8 (16)	15,000 (67)	1.1 (0.5)
CE-9110	1/2 (13)	1-1/4 (32)	7/8 (22)	3/4 (19)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.3 (0.6)
CE-9111	1/2 (13)	1-1/4 (32)	7/8 (22)	1-1/4 (32)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.5 (0.7)
CE-9112	1/2 (13)	1-1/4 (32)	7/8 (22)	1-3/4 (44)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.8 (0.8)
CE-9113	1/2 (13)	1-1/4 (32)	7/8 (22)	2-1/4 (57)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	2.0 (0.9)
CE-6110	1/2 (13)	1-1/4 (32)	7/8 (22)	2-3/4 (70)	13/16 (21)	1-3/4 (45)	2-7/8 (73)	5/8 (16)	30,000 (133)	2.5 (1.1)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number. (Ex: CE-5106BNK) (Ex: CE-9110BNK)

CLEVIS EYE – 30 K

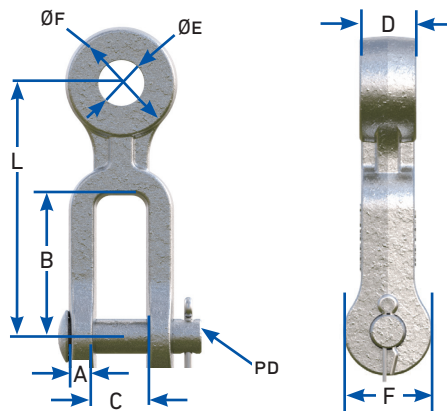
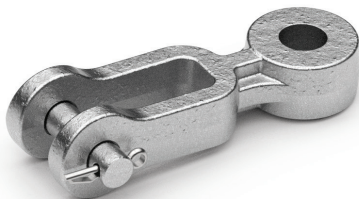


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions								Vertical Ultimate Strength	Weight
	in (mm)									
	A	B	C	D	E	F	L	PD	lbf (kN)	lb (kg)
CE-30	1/2 (13)	1-3/4 (44)	7/8 (22)	5/8 (16)	11/16 (17)	2-1/4 (57)	3-3/8 (86)	5/8 (16)	30,000 (133)	2.7 (1.2)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: CE-30BNK).

ROTATED CLEVIS EYE

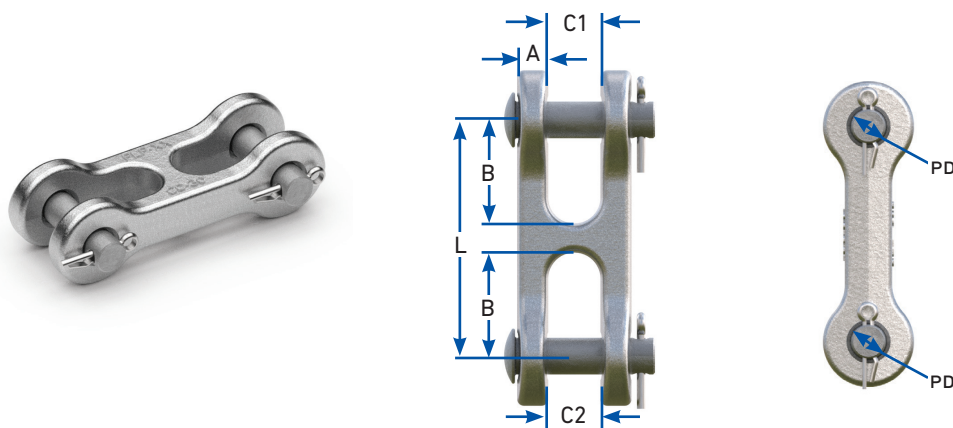


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions								Vertical Ultimate Strength	Weight
	in (mm)									
	A	B	C	D	E	F	L	PD	lbf (kN)	lb (kg)
CE-30-90	1/2 (13)	2-1/2 (64)	7/8 (22)	1-1/16 (27)	13/16 (21)	1-15/16 (49)	4-1/2 (114)	5/8 (16)	30,000 (133)	2.0 (0.9)
CE-50-90	11/16 (17)	2 (51)	7/8 (22)	1-1/16 (27)	13/16 (21)	2-1/4 (57)	4 (102)	3/4 (19)	50,000 (222)	2.8 (1.3)
CE-9025-90	7/16 (11)	1-1/4 (32)	7/8 (22)	5/8 (16)	11/16 (17)	1-1/2 (39)	2-7/8 (73)	5/8 (16)	15,000 (67)	1.1 (0.5)
CE-9026-90	1/2 (13)	1-1/4 (32)	7/8 (22)	3/4 (19)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.3 (0.6)
CE-9027-90	1/2 (13)	1-1/4 (32)	7/8 (22)	1-1/4 (32)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.5 (0.7)
CE-9028-90	1/2 (13)	1-1/4 (32)	7/8 (22)	1-3/4 (44)	11/16 (17)	1-1/2 (39)	2-7/8 (73)	5/8 (16)	25,000 (111)	1.7 (0.8)
CE-9029-90	1/2 (13)	1-1/4 (32)	7/8 (22)	2-1/4 (57)	11/16 (17)	1-5/8 (41)	2-7/8 (73)	5/8 (16)	25,000 (111)	2.0 (0.9)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: CE-30-90BNK).

CLEVIS CLEVIS – 30 K & 40K

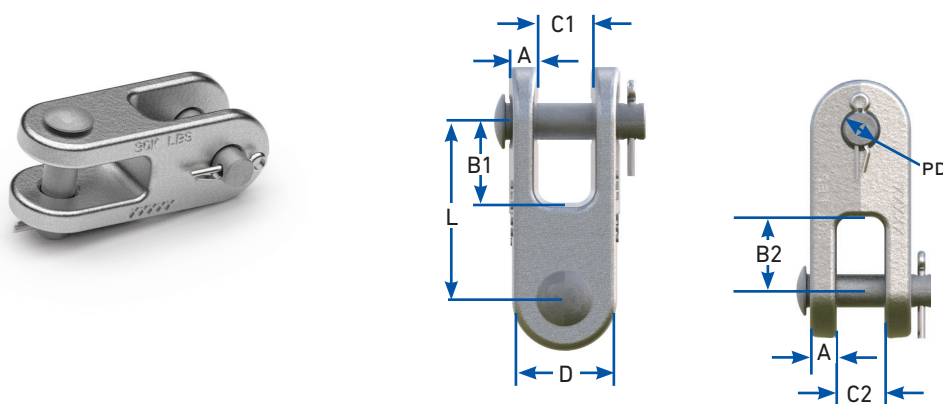


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C1	C2	L	PD1	PD2	lbf (kN)	lb (kg)
CC-30	1/2 (13)	1-3/4 (44)	7/8 (22)	7/8 (22)	4 (102)	5/8 (16)	5/8 (16)	30,000 (133)	2.0 (0.9)
CC-80BNK	7/8 (22)	2-1/4 (57)	1-1/4 (32)	1-5/8 (41)	5-1/8 (130)	1 (25)	1-1/8 (29)	80,000 (356)	9.8 (4.4)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: CC-30BNK).

ROTATED CLEVIS CLEVIS – 30 K

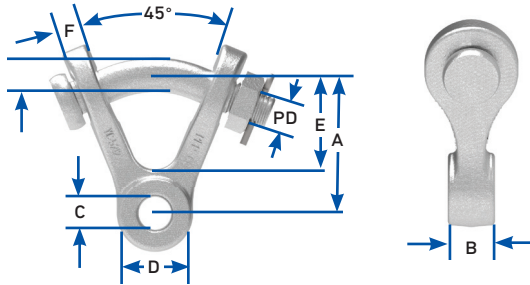


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions								Vertical Ultimate Strength	Weight
	in (mm)									
	A	B1	B2	C1	C2	L	PD1	PD2		
									lbf (kN)	lb (kg)
CC-30-90	1/2 (13)	1-3/8 (35)	1-3/8 (35)	7/8 (22)	7/8 (22)	3 (76)	5/8 (16)	5/8 (16)	30,000 (133)	2.3 (1.0)
CC-50-90	5/8 (16)	2-3/8 (60)	2-3/8 (60)	1-1/4 (32)	15/16 (24)	5-1/4 (133)	3/4 (19)	3/4 (19)	50,000 (222)	5.7 (2.6)
CC-80-90	7/8 (22)	2-1/4 (57)	2-1/4 (57)	1 (25)	1 (25)	5-1/8 (130)	1 (25)	1 (25)	80,000 (356)	11.0 (5.0)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: CC-30-90BNK).

Y-CLEVIS EYE FOR SUSPENSIONS (90 DEGREE)

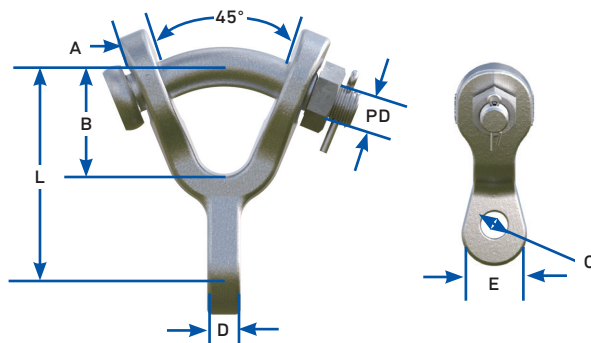


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C	D	E	F	PD	lbf (kN)	lb (kg)
YC-5206	2-31/32 (75.4)	5/8 (15.9)	11/16 (18)	1-5/8 (41.3)	2-5/32 (55)	19/32 (15)	3/4 (19)	15,000 (67)	1.7 (0.77)
YC-5207	2-15/16 (74.8)	3/4 (19)	11/16 (18)	1-5/8 (41.3)	2-1/8 (54)	19/32 (15)	3/4 (19)	20,000 (84)	1.7 (0.77)
YC-5209	2-31/32 (75.4)	1-1/16 (26.9)	13/16 (20.6)	1-5/8 (41.3)	2-1/32 (51.6)	19/32 (15)	3/4 (19)	25,000 (111)	1.7 (0.78)
YC-5211	2-31/32 (75.4)	2-1/8 (54.0)	13/16 (20.6)	1-5/8 (41.3)	2-1/32 (51.6)	19/32 (15)	3/4 (19)	25,000 (111)	2.0 (0.88)
YC-5212	2-31/32 (75.4)	1 (25.4)	11/16 (17.5)	1-5/8 (41.3)	2-1/32 (51.6)	19/32 (15)	3/4 (19)	25,000 (111)	1.8 (0.81)
YCE-50	3-1/32 (77.2)	1-1/8 (28.6)	13/16 (20.6)	2 (50.8)	2-1/32 (51.6)	3/4 (19)	7/8 (22)	50,000 (222)	2.6 (1.17)
YC-9030	2-13/16 (71.4)	5/8 (15.9)	11/16 (18)	1-5/8 (41.3)	2 (50.8)	19/32 (15)	3/4 (19)	15,000 (67)	1.2 (0.56)
YC-9031	2-13/16 (71.4)	3/4 (19.1)	11/16 (18)	1-11/16 (42.9)	2 (50.8)	19/32 (15)	3/4 (19)	25,000 (111)	1.3 (0.60)
YC-9032	2-13/16 (71.4)	1-1/4 (31.8)	11/16 (18)	1-11/16 (42.9)	2 (50.8)	19/32 (15)	3/4 (19)	25,000 (111)	1.5 (0.70)
YC-9033	2-13/16 (71.4)	1-3/4 (44.5)	11/16 (18)	1-11/16 (42.9)	2 (50.8)	19/32 (15)	3/4 (19)	25,000 (111)	1.7(0.80)
YC-9034 ¹	3-3/32 (78.6)	2-1/4 (57.2)	11/16 (18)	1-11/16 (42.9)	2-5/32 (55)	19/32 (15)	3/4 (19)	30,000 (133)	2.3 (1.0)
YC-6106 ¹	2-31/32 (75.4)	2-1/4 (57.2)	13/16 (20.6)	1-5/8 (41.3)	2 (50.8)	19/32 (15)	3/4 (19)	30,000 (133)	1.7 (0.75)
YC-6107 ¹	2-31/32 (75.4)	1 (25.4)	11/16 (17.5)	1-5/8 (41.3)	2 (50.8)	19/32 (15)	3/4 (19)	30,000 (133)	1.4 (0.62)
YC-6108 ¹	2-5/32 (55)	2-3/4 (69.9)	13/16 (20.6)	1-13/16 (46)	2-5/32 (55)	19/32 (15)	3/4 (19)	30,000 (133)	2.6 (1.18)

¹ Body is forged steel.

Y-CLEVIS EYE

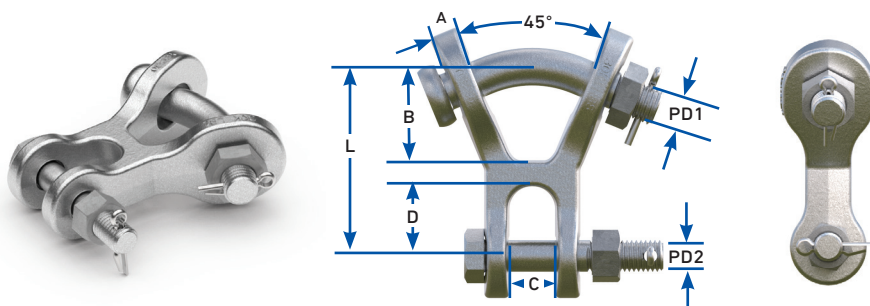


Component	Materials
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C	D	E	L	PD	lbf (kN)	lb (kg)
YCE-30	19/32 (15)	1-3/4 (44.5)	11/16 (17.5)	5/8 (15.9)	1-11/16 (42.8)	3-5/32 (80)	3/4 (19)	30,000 (133)	1.90 (0.86)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: YCE-30BNK).

Y-CLEVIS CLEVIS – 30 K

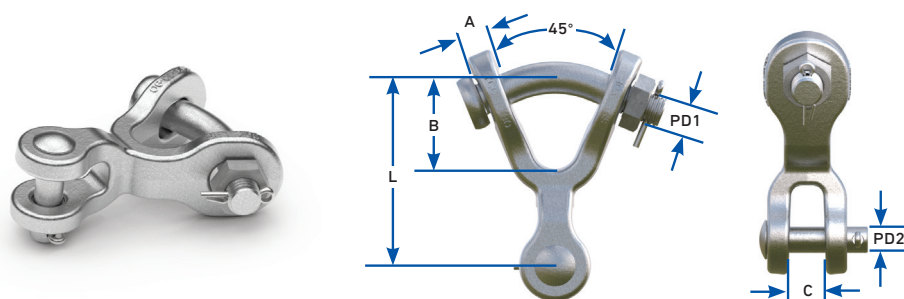


Component	Materials
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C	D	L	PD1	PD2	lbf (kN)	lb (kg)
YCC-30	19/32 (15)	1-15/32 (37)	7/8 (23)	1-3/8 (35)	3-5/16 (84)	3/4 (19)	5/8 (16)	30,000 (133)	2.40 (1.08)

For bolt, nut, and cotter in place of clevis pin, add BNK to the catalog number (Ex: YCC-30BNK).

ROTATED Y-CLEVIS CLEVIS – 30 K

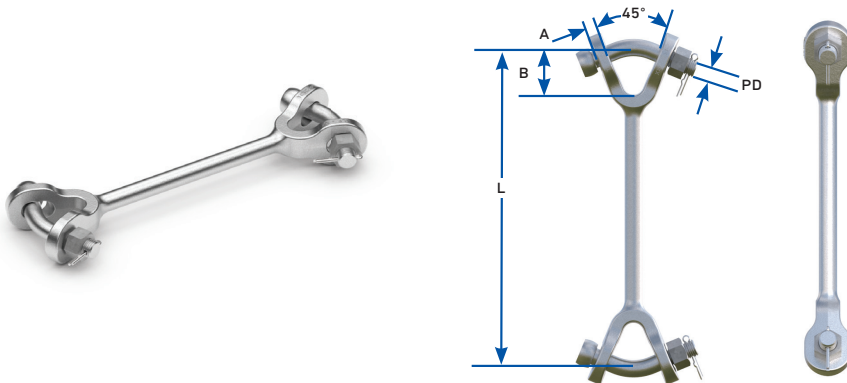


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions						Vertical Ultimate Strength	Weight
	in (mm)							
	A	B	C	L	PD1	PD2		
YCC-30-90	19/32 (15)	1-3/4 (44.5)	7/8 (22.2)	4-5/16 (109)	3/4 (19)	5/8 (16)	30,000 (133)	2.40 (1.27)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: YCC-30-90BNK).

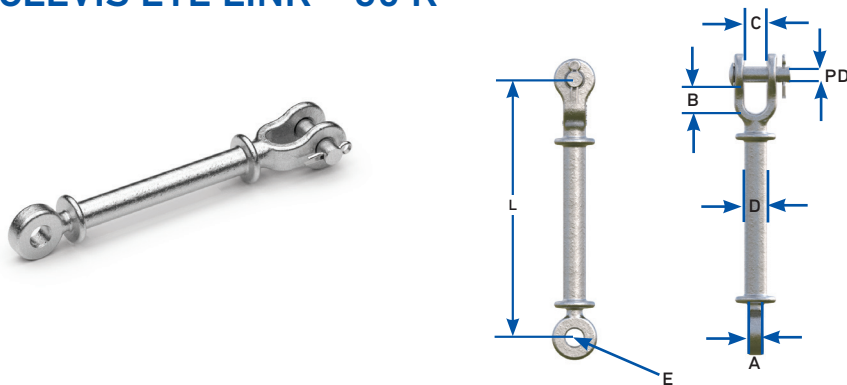
Y-CLEVIS Y-CLEVIS LINK



Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions				Vertical Ultimate Strength
	in (mm)				
	A	B	L	PD	lbf (kN)
YCYC-30-L	19/32 (15)	1-1/2 (38)	TBD	3/4 (19)	30,000 (133)
YCYC-50-L	3/4 (19)	1-27/32 (47)	15-1/32 (382)	7/8 (23)	50,000 (222)

CLEVIS EYE LINK – 30 K

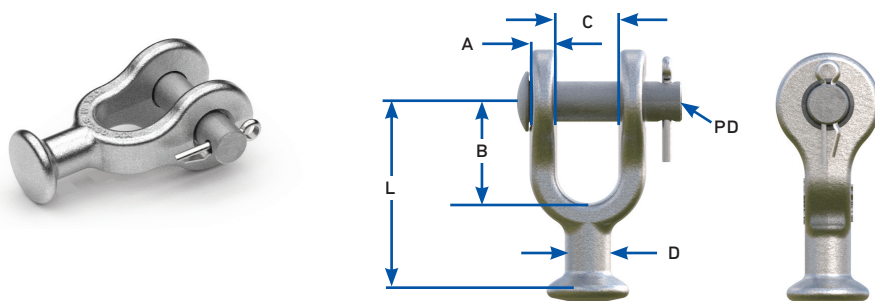


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C	D	E	L	PD		
CEL-30-10	5/8 (15.9)	1-3/16 (30.2)	13/16 (20.6)	7/8 (22.3)	11/16 (17.5)	10 (254)	5/8 (15.9)	30,000 (133)	2.6 (1.2)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number
For 90 degree rotation, add a "-90" to the end of the part number (Ex: CEL-30-10-90).

BALL CLEVIS

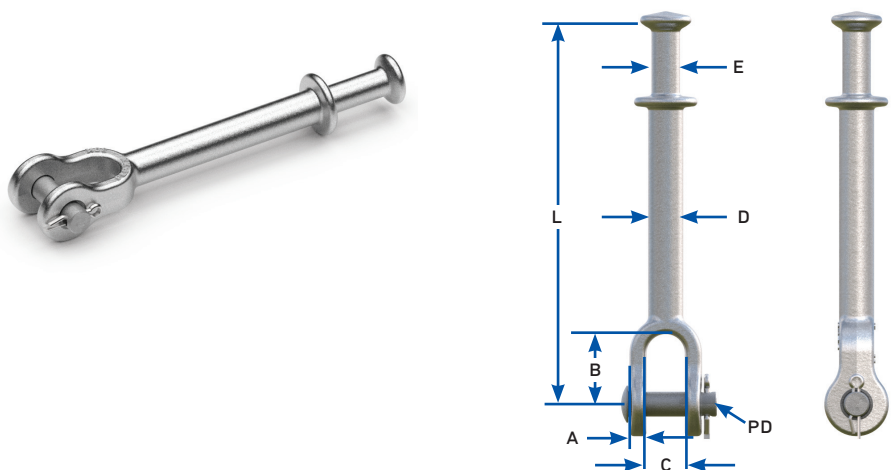


Component	Material
Body	Ductile Iron, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions						For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)							lbf (kN)	lb (kg)
	A	B	C	D	L	PD			
BC-30	7/16 (11)	1-9/16 (39.7)	15/16 (24)	11/16 (18)	2-15/16 (74)	5/8 (16)	52-3 and 52-5	30,000 (133)	0.8 (0.34)
BC-50	5/8 (16)	1-15/16 (49.2)	15/16 (24)	7/8 (22.6)	4-3/8 (111)	3/4 (19)	52-8 and 52-11	50,000 (222)	1.9 (0.86)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: BC-30BNK).

BALL CLEVIS LINK

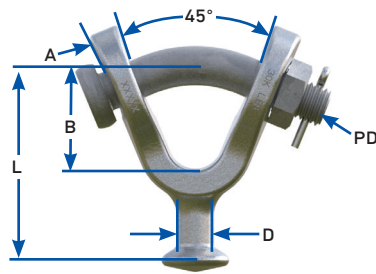


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)								lbf (kN)	lb (kg)
	A	B	C	D	E	L	PD			
BCL-30	7/16 (11)	1-3/4 (44.5)	15/16 (24)	7/8 (22.2)	11/16 (18)	9-5/8 (15.9)	5/8 (16)	52-3 and 52-5	30,000 (133)	2.2 (1.0)
BCL-50	9/16 (14.3)	1-3/4 (44.5)	15/16 (24)	15/16 (24)	7/8 (22.6)	10-1/8 (25.6)	7/8 (22)	52-8 and 52-11	50,000 (222)	3.3 (1.5)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: BCL-30BNK).

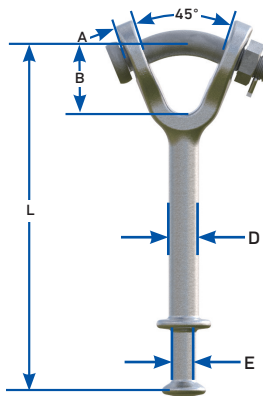
BALL Y-CLEVIS



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions					For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)						lbf (kN)	lb (kg)
	A	B	D	L	PD			
BYC-30	5/8 (15)	1-9/16 (40)	11/16 (18)	3-5/8 (96)	3/4 (19)	52-3 and 52-5	30,000 (133)	2.2 (1.0)
BYC-50	3/4 (19)	1-5/8 (40)	7/8 (23)	4-7/16 (112)	7/8 (22)	52-8 and 52-11	50,000 (222)	4 (1.8)

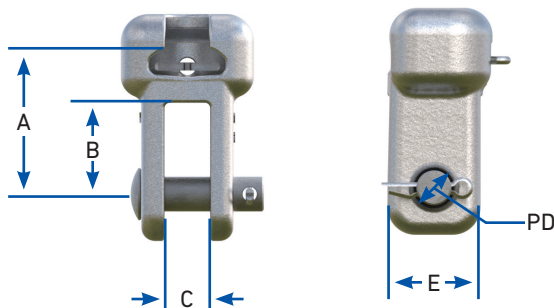
BALL Y-CLEVIS LINK



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions						For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)							lbf (kN)	lb (kg)
	A	B	D	E	L	PD			
BYCL-30	5/8 (15)	1-5/8 (42)	7/8 (22)	11/16 (18)	10 (253)	3/4 (19)	52-3 and 52-5	30,000 (133)	3.4 (1.5)
BYCL-50	3/4 (19)	1-5/8 (40)	15/16 (24)	7/8 (23)	11-7/16 (290)	7/8 (22)	52-8 and 52-11	50,000 (222)	5.5 (2.5)

SOCKET CLEVIS

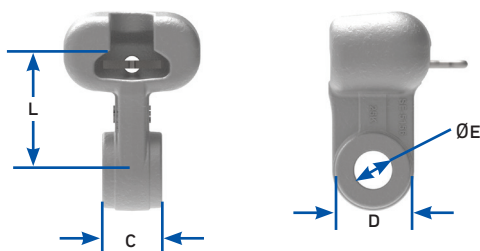


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions					For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)						lbf (kN)	lb (kg)
	A	B	C	E	PD			
SC-5194	2-5/8 (67)	1-5/8 (41)	13/16 (21)	1-5/8 (42)	5/8 (16)	52-3 and 52-5	30,000 (133)	2.2 (1)
SC-50	3-3/8 (86)	2-1/4 (57)	1-1/8 (28)	2-1/16 (53)	7/8 (22)	52-8 and 52-11	50,000 (222)	3.8 (1.7)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: SC-5194BNK).

SOCKET EYE

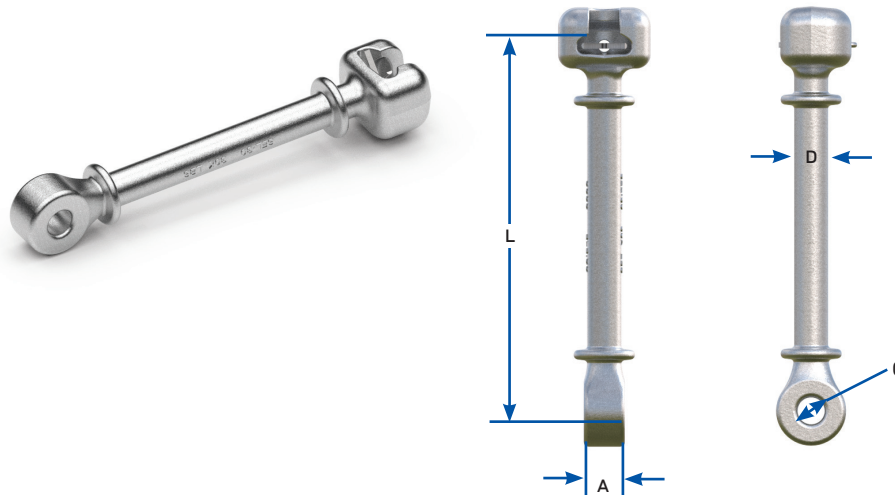


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions				For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)					lbf (kN)	lb (kg)
	C	D	E	L			
SE-5150	17/32 (13.5)	1-25/32 (45)	11/16 (17.5)	2-3/32 (53.2)	52-3 and 52-5	15,000 (67)	1.2 (0.55)
SE-5152	3/4 (19.1)	1-1/2 (38.1)	11/16 (17.5)	2-3/32 (53.2)		25000 (111)	1.3 (0.59)
SE-5154	1-1/16 (26.9)	1-1/2 (38.1)	13/16 (20.6)	2-3/32 (53.2)		25000 (111)	1.6 (0.73)
SE-5155	2-1/8 (54.0)	1-1/2 (38.1)	13/16 (20.6)	2-3/32 (53.2)		30000 (133)	2.1 (0.95)
SE-5156	1-3/32 (27.8)	1-1/2 (38.1)	11/16 (17.5)	2-1/4 (57.2)		25,000 (111)	1.6 (0.73)
SE-5157	1-1/8 (28)	1-25/32 (45)	11/16 (17.5)	2-5/16 (58.7)		30,000 (133)	1.7 (0.75)
SE-5158	3-1/4 (82.6)	2 (50.8)	25/32 (19.8)	3-3/8 (85.7)	52-8 and 52-11	50,000 (222)	4.4 (1.98)
SE-6109	2-3/4 (69.9)	1-29/32 (48.4)	13/16 (20.6)	2 (50.8)	52-3 and 52-5	30,000 (133)	2.7 (1.24)
SE-9002	1-1/2 (38.1)	2 (50.8)	25/32 (19.8)	2-5/8 (66.7)	52-8 and 52-11	50,000 (222)	3.0 (1.35)
SE-9016	2-1/4 (57.2)	2 (50.8)	13/16 (20.6)	2-21/32 (67.4)	52-8 and 52-11	50,000 (222)	3.4 (1.54)
SE-9020	5/8 (15.9)	1-25/32 (45)	11/16 (17.5)	2 (50.8)	52-3 and 52-5	30,000 (133)	1.5 (0.68)
SE-9021	3/4 (19.1)	1-25/32 (45)	11/16 (17.5)	2 (50.8)		30,000 (133)	1.6 (0.71)
SE-9022	1-1/4 (31.8)	1-25/32 (45)	11/16 (17.5)	2 (50.8)		30,000 (133)	1.8 (0.84)
SE-9023	1-3/4 (44.5)	1-25/32 (45)	11/16 (17.5)	2 (50.8)		30,000 (133)	2.1 (0.96)
SE-9024	2-1/4 (57.2)	1-25/32 (45)	11/16 (17.5)	2 (50.8)		30,000 (133)	2.4 (1.08)

SOCKET EYE LINK

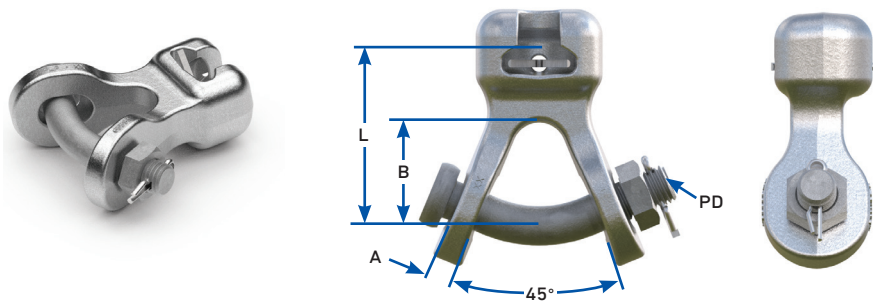
For use with Class 52-3 and 52-5 insulators per ANSI Spec C-29.2-71.



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions				Vertical Ultimate Strength	Weight
	in (mm)					
	A	C	D	L	lbf (kN)	lb (kg)
SEL-30	1-1/16 (27)	11/16 (17.5)	7/8 (22.4)	9-15/32 (240.3)	30,000 (133)	3.0 (1.36)

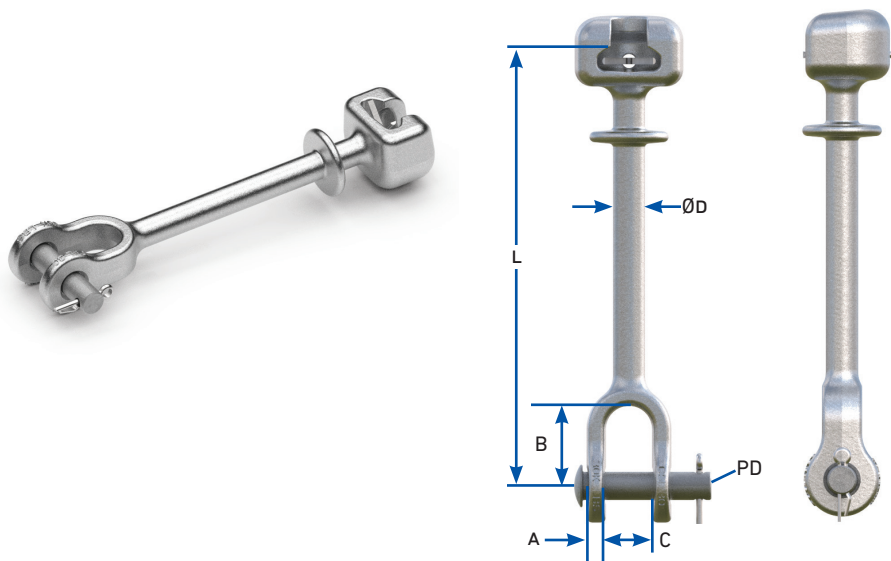
SOCKET Y-CLEVIS



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions				For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)						
	A	B	L	PD		lbf (kN)	lb (kg)
SYC-30	5/8 (16)	1-9/16 (39.7)	2-3/4 (69.8)	3/4 (19)	52-3 and 52-5	30,000 (133)	3.2 (1.5)
SYC-50	3/4 (19)	1-5/8 (41.1)	3-3/16 (80.9)	7/8 (22)	52-8 and 52-11	50,000 (222)	4.8 (2.2)

CLEVIS SOCKET LINK



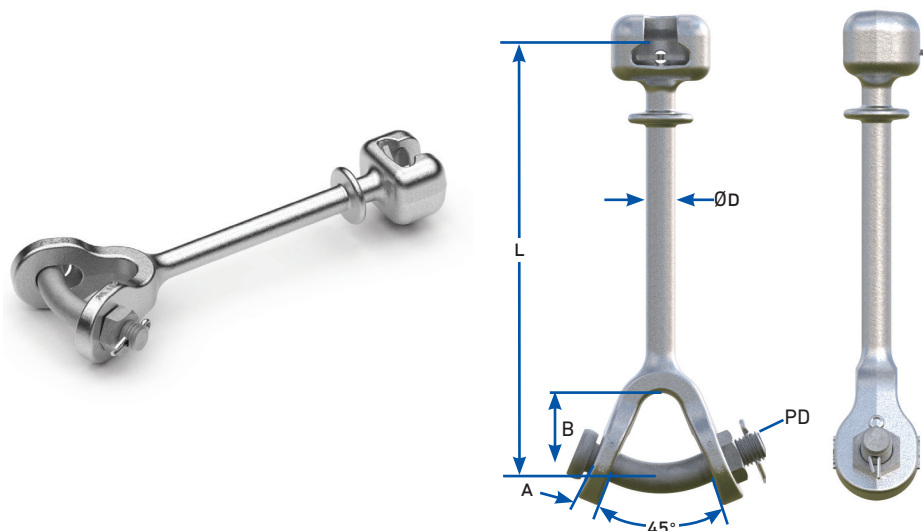
Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions						For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)							lbf (kN)	lb (kg)
	A	B	C	D	L	PD			
CSL-30	7/16 (11)	1-3/4 (44)	1 (25)	11/16 (18)	9-5/8 (244)	5/8 (16)	52-3 and 52-5	30,000 (133)	2.9 (1.3)
CSL-50	11/16 (17)	2 (50)	1-5/16 (33)	15/16 (24)	10-3/4 (273)	7/8 (22)	52-8 and 52-11	50,000 (222)	5.6 (2.5)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: CSL-30BNK).

SOCKET Y-CLEVIS LINK

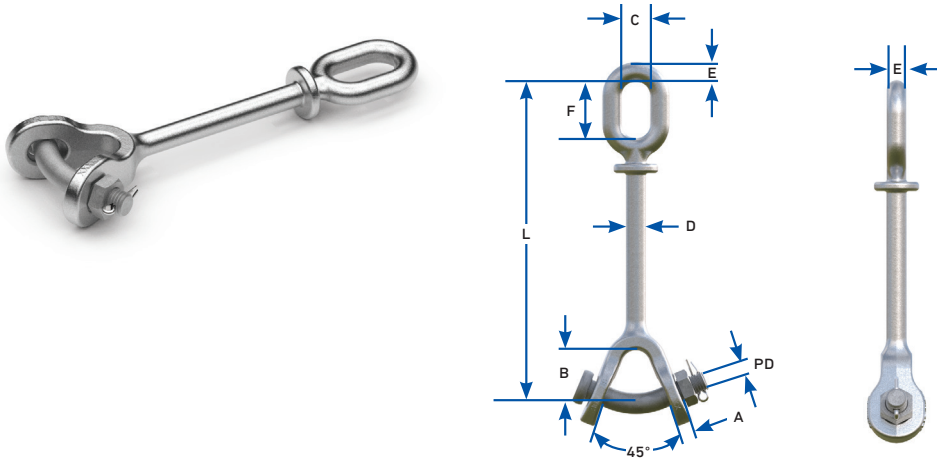
For use with Class 52-3 and 52-5 insulators per ANSI Spec C-29.2-71.



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions					For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)						lbf (kN)	lb (kg)
	A	B	D	L	PD			
SYCL-30	5/8 (15)	1-5/8 (42)	11/16 (18)	10-3/8 (264)	3/4 (19)	52-3 and 52-5	30,000 (133)	3.3 (1.5)
SYCL-50	3/4 (19)	1-1/2 (39)	1-3/16 (30)	11-5/16 (287)	7/8 (22)	52-8 and 52-11	50,000 (222)	5.8 (2.7)

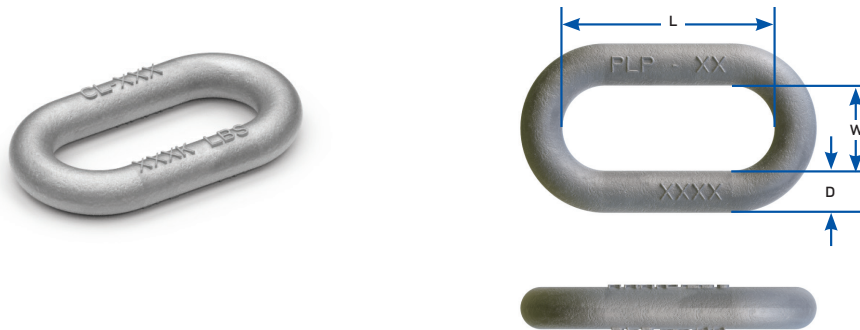
OVAL EYE, Y-CLEVIS LINK



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions								Vertical Ultimate Strength
	in (mm)								
	A	B	C	D	E	F	L	PD	lbf (kN)
OYCL-30-L	5/8 (15.9)	1-9/16 (39.7)	1 (24.5)	11/16 (17.5)	11/16 (17.5)	2 (50.8)	TBD	3/4 (19.1)	30,000 (133.4)
OYCL-50-L	3/4 (19.1)	1-1/2 (38.1)	1-1/10 (27.9)	1 (25.4)	1 (25.4)	2-1/2 (63.5)	TBD	7/8 (22.2)	50,000 (222.4)

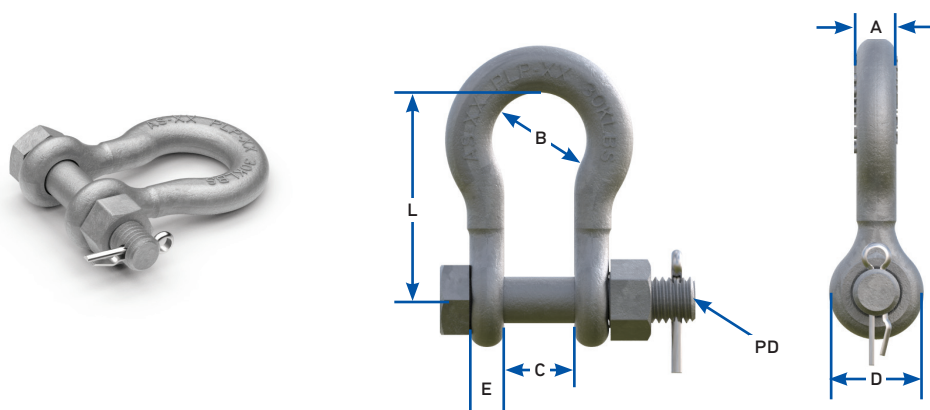
CHAIN LINK



Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions			Vertical Ultimate Strength	Weight
	in (mm)				
	L	W	D	lbf (kN)	lb (kg)
CL-30	2-1/2 (63.5)	1 (25.4)	19/32 (15.0)	30,000 (133)	0.62 (0.28)
CL-40	3-1/4 (83.0)	1 (25.4)	19/32 (15.0)	40,000 (178)	0.74 (0.34)
CL-50	3-1/4 (83.0)	1 (25.4)	3/4 (19.0)	50,000 (222)	1.25 (0.57)
CL-60	3-1/2 (88.9)	1 (25.4)	13/16 (21.0)	60,000 (267)	1.63 (0.74)
CL-80	4 (101.6)	1-1/4 (31.8)	31/32 (24.5)	80,000 (356)	2.57 (1.17)
CL-100	5 (127)	1-1/4 (31.8)	1-3/32 (27.5)	100,000 (445)	3.87 (1.75)
CL-120	6 (152)	1-1/2 (38.1)	1-3/16 (30.0)	120,000 (534)	5.40 (2.45)
CL-150	5-1/2 (140)	1-3/4 (44.5)	1-3/8 (34.9)	150,000 (667)	7.28 (3.30)
CL-200	7-5/16 (186)	1-13/16 (47.0)	1-5/8 (41.0)	200,000 (890)	12.73 (5.77)
CL-216	8 (203)	2-1/4 (57.2)	1-3/4 (44.5)	216,000 (961)	16.38 (7.42)

ANCHOR SHACKLE

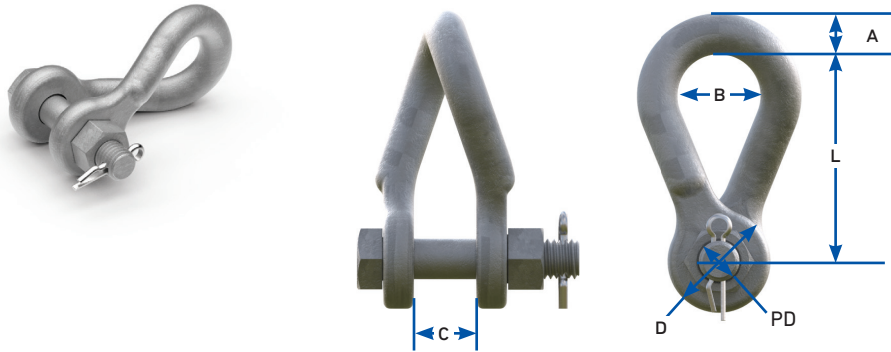


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions							Vertical Ultimate Strength	Weight
	in (mm)								
	A	B	C	D	L	E	PD	lbf (kN)	lb (kg)
AS-30BNK	17/32 (14)	1-1/4 (32)	7/8 (22)	1-1/4 (32)	2-3/4 (70)	7/16 (11)	5/8 (16)	30,000 (133)	1.08 (.49)
AS-40BNK	5/8 (16)	1-1/2 (38)	1-1/8 (29)	1-11/16 (43)	2-25/32 (71)	5/8 (16)	3/4 (19)	40,000 (178)	1.20 (.54)
AS-50BNK	5/8 (16)	1-11/16 (43)	1-1/8 (28)	1-11/16 (43)	2-29/32 (74)	17/32 (14)	3/4 (19)	50,000 (222)	1.70 (.77)
AS-60BNK	3/4 (19)	1-1/2 (38)	1-1/8 (29)	1-7/8 (48)	3-1/2 (89)	7/8 (22)	3/4 (19)	60,000 (267)	2.30 (1.04)
AS-60NBK	3/4 (19)	1-1/2 (38)	7/8 (22)	1-7/8 (47.6)	3-1/2 (89)	7/8 (22)	3/4 (19)	60,000 (267)	2.40 (1.09)
AS-60WBNK	3/4 (19)	2 (51)	1-1/4 (32)	1-15/16 (49.2)	3-1/2 (89)	7/8 (22)	7/8 (22)	60,000 (267)	2.35 (1.07)
AS-60LBK	3/4 (19)	1-1/8 (29)	1-1/8 (29)	1-7/8 (48)	5.00 (127)	5/8 (16)	3/4 (19)	60,000 (267)	1.90(.86)
AS-70BNK	3/4 (19)	2 (51)	1-1/4 (32)	1-7/8 (48)	3-1/2 (89)	3/4 (19)	7/8 (22)	70,000 (311)	3.14 (1.43)
AS-80BNK	7/8 (22)	2-1/4 (57)	1-7/16 (37)	2-1/8 (54)	3-3/4 (95)	7/8 (22)	1 (25)	80,000 (356)	3.35 (1.52)
AS-80WBNK	15/16 (24)	2-1/4 (57)	1-5/8 (41)	2-1/4 (57)	4-1/4 (108)	15/16 (24)	1-1/8 (29)	80,000 (356)	3.50 (1.59)
AS-100BNK	1-1/8 (29)	2-1/4 (57)	1-21/32 (41)	2-1/4 (57)	3-1/2 (89)	7/8 (22)	1-1/8 (29)	100,000 (444)	5.25 (2.38)
AS-100SBK	1-1/8 (29)	2-1/8 (54)	1-1/4 (32)	2-3/8 (60)	3-3/4 (95)	1-1/8 (29)	1-1/8 (29)	100,000 (444)	4.70 (2.13)
AS-100LBK	1 (25)	2-11/16 (68)	1-1/8 (28)	2-3/8 (60)	4-5/16 (110)	1 (25)	1-1/8 (29)	100,000 (444)	4.20 (1.91)
AS-120XLBNK	1 (25)	2-1/8 (54)	1-1/2 (38)	2-3/8 (60)	6.0 (152)	1 (25)	1-1/8 (29)	120,000 (553)	6.00 (2.70)
AS-150BNK	1-1/4 (32)	2 (51)	2 (51)	3 (76.2)	4-5/8 (118)	1-1/4 (32)	1-3/8 (35)	150,000 (667)	10.00 (4.54)
AS-150LBK	1-5/16 (33)	2-1/4 (57)	2-1/4 (57)	3-1/4 (83)	6.0 (152)	1-5/16 (33)	1-1/2 (38)	150,000 (667)	12.00 (5.44)
AS-200BNK	1-1/2 (38)	2-5/8 (67)	2-5/8 (67)	3-13/16 (97)	7-1/8 (181)	1-5/8 (41)	1-3/4 (44)	200,000 (890)	16.76 (7.60)

For additional Anchor Shackle offerings, please contact PLP.

ROTATED ANCHOR SHACKLE

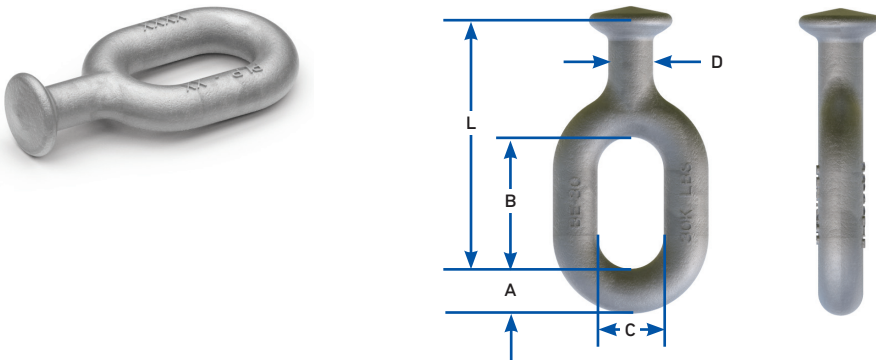


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions						Vertical Ultimate Strength	Weight
	in (mm)							
	A	B	C	D	L	PD	lbf (kN)	lb (kg)
AS-25-90	5/8 (16)	1-1/4 (32)	1 (24)	Ø1-5/8 (40)	3-1/8 (80)	Ø5/8 (17)	25,000 (111)	1.40 (0.64)

For bolt, nut, and cotter in place of clevis pin and cotter, add BNK to the catalog number (Ex: AS-25-90BNK).

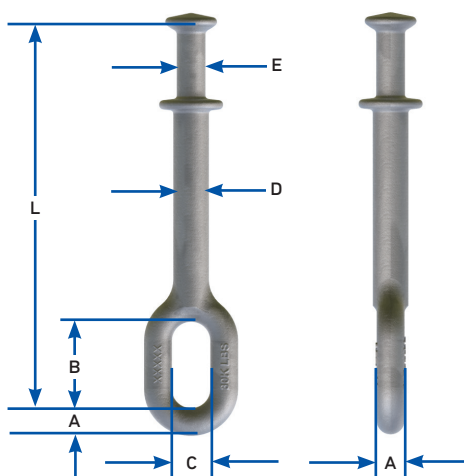
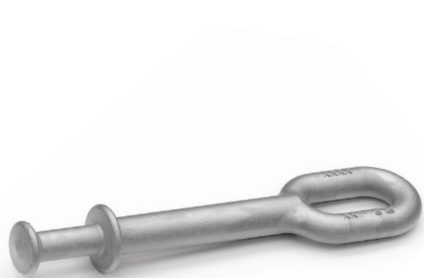
BALL EYE



Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions					For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength	Weight
	in (mm)							
	A	B	C	D	L		lbf (kN)	lb (kg)
BE-30	11/16 (17.5)	2 (51)	1 (25.4)	11/16 (17.5)	4 (101.6)	52-3 and 52-5	30,000 (133)	1.00 (0.45)
BE-50	3/4 (19)	2 -1/2 (63.5)	1-1/4 (31.8)	7/8 (22.6)	4-13/16 (122.2)	52-8 and 52-11	50,000 (222)	1.56 (0.71)

BALL EYE HOT LINE LINK

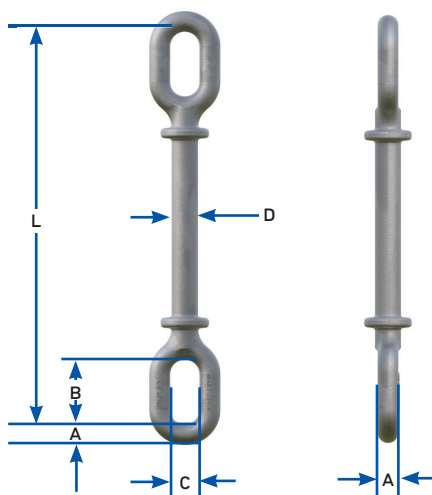
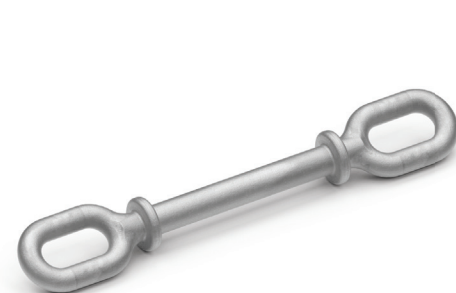


Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions						For Use with Insulators per ANSI Class Spec. C-29.2-71	Vertical Ultimate Strength lbf (kN)
	in (mm)							
	A	B	C	D	E	L		
BEL-30-L	11/16 (17.5)	2-1/8 (53.9)	15/16 (24)	7/8 (22.4)	23/32 (18)	TBD	52-3 and 52-5	30,000 (133)
BEL-50-L	15/16 (23.9)	2-1/2 (63.4)	1-1/8 (28.5)	31/32 (24.9)	7/8 (22.6)	TBD	52-8 and 52-11	50,000 (222)

L = Length in inches. Example L = 18, BEL-30-18.

EYE-EYE HOT LINE LINK



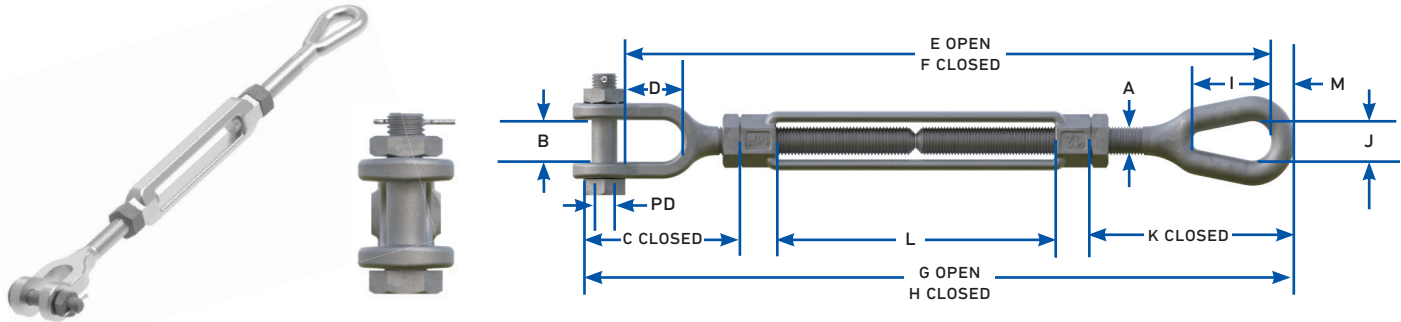
Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions					Vertical Ultimate Strength
	in (mm)					
	A	B	C	D	L	lbf (kN)
EEL-30-L	11/16 (17.5)	2-1/8 (53.9)	15/16 (23.8)	7/8 (22.4)	TBD	30,000 (133)
EEL-40-L	13/16 (20.6)	2-5/16 (58.7)	1-1/32 (26.2)	13/16 (23.4)	TBD	40,000 (178)
EEL-50-L	15/16 (23.9)	2-1/2 (63.4)	1-1/8 (28.5)	31/32 (24.9)	TBD	50,000 (222)
EEL-80-L	15/16 (23.9)	2-1/2 (63.4)	1-1/8 (28.5)	1-1/8 (28.6)	TBD	80,000 (356)

For 90 degree eye rotation, include a "-90" at the end of the part number. Ex. EEL-50-24-90", *L = Length in inches.

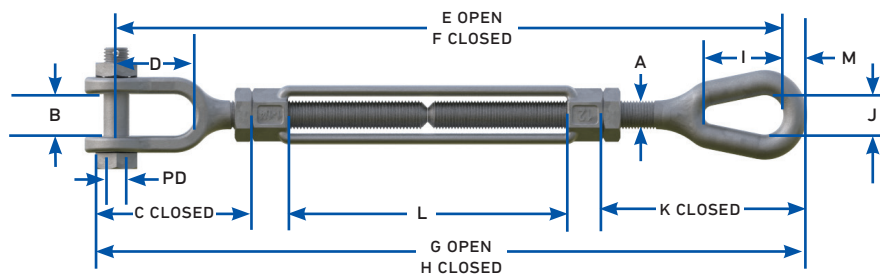
Example L = 18, EEL-30-18.

JAW EYE TURNBUCKLE



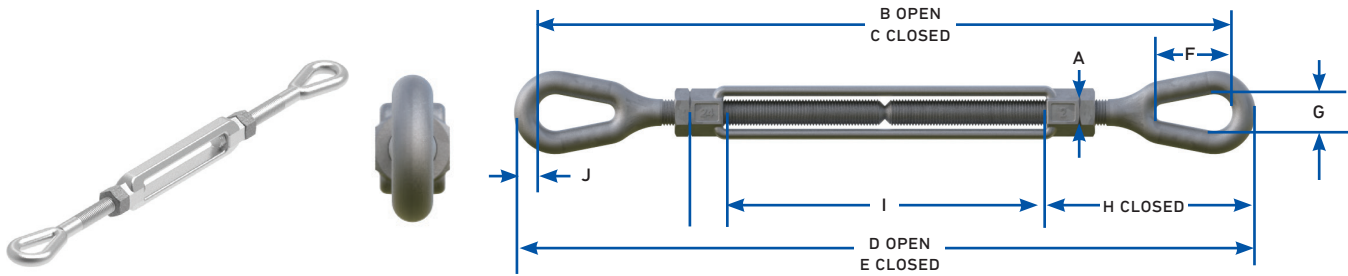
Catalog Number	Size	WLL	Rated Breaking Strength	Weight	Dimensions					
	in (mm)	lb (kN)	lb (kN)	lb (kg)	in (mm)					
					A	B	C	D	PD	E
TB-JE-34-6	3/4 x 6 (19.1 x 152)	5,200 (23.1)	26,000 (116)	4.00 (1.81)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	21-3/16 (538.2)
TB-JE-34-9	3/9 x 9 (19.1 x 229)	5,200 (23.1)	26,000 (116)	4.75 (2.15)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	22-3/16 (563.6)
TB-JE-34-12	3/4 x 12 (19.1 x 305)	5,200 (23.1)	26,000 (116)	5.40 (2.45)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	33-1/3 (846.7)
TB-JE-34-18	3/4 x 18 (19.1 x 457)	5,200 (23.1)	26,000 (116)	7.00 (3.17)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	45-3/16 (1147.8)
TB-JE-78-12	7/8 x 12 (22.4 x 305)	7,200 (32)	36,000 (160)	8.00 (3.63)	7/8 (22.4)	1-1/8 (28.7)	4-7/8 (123)	1-3/4 (44.5)	3/4 (19.1)	34-1/3 (872.1)
TB-JE-78-18	7/8 x 18 (22.4 x 457)	7,200 (32)	36,000 (160)	9.75 (4.42)	7/8 (22.4)	1-1/8 (28.7)	4-7/8 (123)	1-3/4 (44.5)	3/4 (19.1)	46-1/3 (1176.9)
TB-JE-1-6	1 x 6 (25.4 x 152)	10,000 (44.5)	50,000 (222)	8.90 (4.04)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	24-1/3 (618.1)
TB-JE-1-12	1 x 12 (25.4 x 229)	10,000 (44.5)	50,000 (222)	11.20 (5.08)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	36-1/3 (922.9)
TB-JE-1-18	1 x 18 (25.4 x 305)	10,000 (44.5)	50,000 (222)	13.30 (6.03)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	48-1/3 (1227.7)
TB-JE-1-24	1 x 24 (25.4 x 610)	10,000 (44.5)	50,000 (222)	17.00 (7.71)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	60-1/3 (1532.5)

JAW EYE TURNBUCKLE CONTINUED



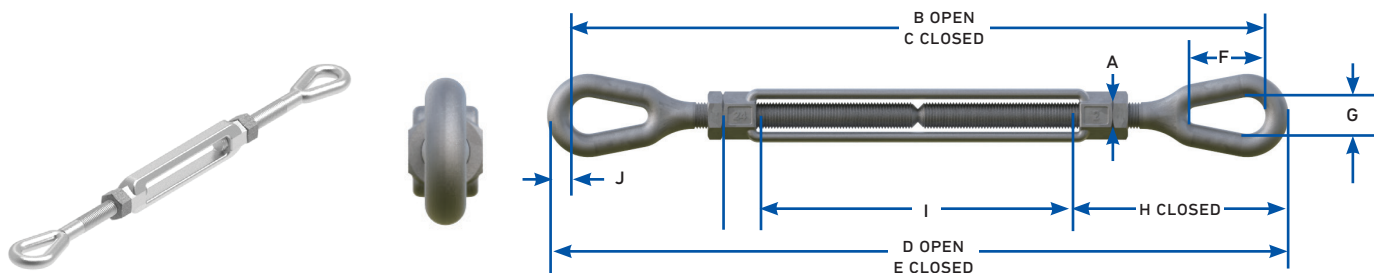
Catalog Number	Dimensions							
	in (mm)							
	F	G	H	I	J	K	L	M
TB-JE-34-6	15-3/16 (385.8)	23-1/8 (587.4)	17-1/8 (435)	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	6 (152)	9/16 (15.5)
TB-JE-34-9	16-3/16 (411.2)	23-1/8 (587.4)	17-1/8 (435)	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	9 (229)	9/16 (15.5)
TB-JE-34-12	21-3/16 (538.2)	35-1/8 (892.2)	23-1/8 (587.4)	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	12 (305)	9/16 (15.5)
TB-JE-34-18	27-3/16 (690.6)	47-1/8 (1197)	29-1/8 (739.8)	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	18 (457)	9/16 (15.5)
TB-JE-78-12	24-1/3 (618.1)	36-9/16 (928.7)	24-9/16 (623.9)	2-3/8 (60.5)	1-1/4 (31.8)	5-1/8 (130)	12 (305)	3/4 (19.8)
TB-JE-78-18	28-1/3 (719.7)	48-9/16 (1233.5)	30-9/16 (776.3)	2-3/8 (60.5)	1-1/4 (31.8)	5-1/8 (130)	18 (457)	3/4 (19.8)
TB-JE-1-6	18-1/3 (465.7)	26-7/8 (682.6)	20-7/8 (530.2)	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	6 (152)	7/8 (22.4)
TB-JE-1-12	24-1/3 (618.1)	38-7/8 (987.4)	26-7/8 (682.6)	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	12 (305)	7/8 (22.4)
TB-JE-1-18	30-1/3 (770.5)	50-7/8 (1292.2)	32-7/8 (835)	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	18 (457)	7/8 (22.4)
TB-JE-1-24	36-1/3 (922.9)	62-7/8 (1597)	38-7/8 (987.4)	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	24 (610)	7/8 (22.4)

EYE EYE TURNBUCKLE



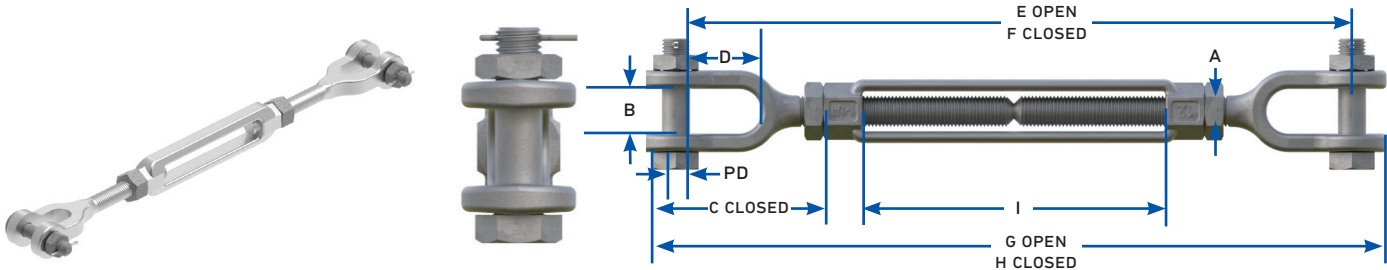
Catalog Number	Size	WLL	Rated Breaking Strength	Weight	Dimensions				
	in (mm)	lb (kN)	lb (kN)	lb (kg)	in (mm)				
					A	B	C	D	E
TB-EE-34-6	3/4 x 6 (19.1 x 152)	5,200 (23.1)	26,000 (116)	3.89 (1.76)	3/4 (19.1)	22-3/8 (568)	16-3/8 (416)	23-5/8 (600)	17-5/8 (448)
TB-EE-34-9	3/4 x 9 (19.1 x 229)	5,200 (23.1)	26,000 (116)	4.61 (2.09)	3/4 (19.1)	28-3/8 (721)	19-3/8 (492)	29-5/8 (752)	20-5/8 (524)
TB-EE-34-12	3/4 x 12 (19.1 x 305)	5,200 (23.1)	26,000 (116)	5.43 (2.46)	3/4 (19.1)	34-3/8 (873)	22-3/8 (568)	35-5/8 (905)	23-5/8 (600)
TB-EE-34-18	3/4 x 18 (19.1 x 457)	5,200 (23.1)	26,000 (116)	7.25 (3.29)	3/4 (19.1)	46-3/8 (1,178)	28-3/8 (721)	47-5/8 (1,210)	29-5/8 (725)
TB-EE-78-12	7/8 x 12 (22.4 x 229)	7,200 (32)	36,000 (160)	8.10 (3.67)	7/8 (22.4)	35-5/16 (897)	23-3/8 (568)	36-13/16 (935)	24-13/16 (630)
TB-EE-78-18	7/8 x 18 (22.4 x 305)	7,200 (32)	36,000 (160)	9.95 (4.51)	7/8 (22.4)	47-5/16 (1,202)	29-5/16 (745)	48-13/16 (1,240)	30-13/16 (783)
TB-EE-1-6	1 x 6 (25.4 x 152)	10,000 (44.5)	50,000 (222)	9.33 (4.23)	1 (25.4)	26 (660)	20 (507)	27-3/4 (704)	21-3/4 (552)
TB-EE-1-12	1 x 12 (25.4 x 229)	10,000 (44.5)	50,000 (222)	11.93 (5.41)	1 (25.4)	38 (964)	25 (660)	40 (1,015)	27-3/4 (704)
TB-EE-1-18	1 x 18 (25.4 x 305)	10,000 (44.5)	50,000 (222)	14 (6.35)	1 (25.4)	50 (1,269)	32 (812)	51-3/4 (1,314)	33-3/4 (856)
TB-EE-1-24	1 x 24 (25.4 x 610)	10,000 (44.5)	50,000 (222)	17.25 (7.82)	1 (25.4)	62 (1,575)	38 (964)	63-3/4 (1,618)	39-3/4 (1,009)

EYE EYE TURNBUCKLE CONTINUED



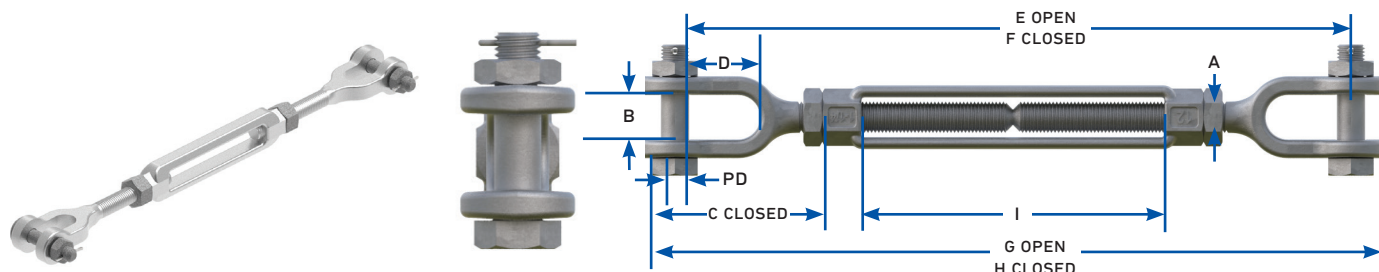
Catalog Number	Dimensions				
	in (mm)				
	F	G	H	I	J
TB-EE-34-6	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	6 (152)	9/16 (15.5)
TB-EE-34-9	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	9 (229)	9/16 (15.5)
TB-EE-34-12	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	12 (305)	9/16 (15.5)
TB-EE-34-18	2-1/16 (53.1)	1 (25.4)	4-11/16 (119)	18 (457)	9/16 (15.5)
TB-EE-78-12	2-3/8 (60.5)	1-1/4 (31.8)	5-1/8 (130)	12 (305)	3/4 (19.8)
TB-EE-78-18	2-3/8 (60.5)	1-1/4 (31.8)	5-1/8 (130)	18 (457)	3/4 (19.8)
TB-EE-1-6	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	6 (152)	7/8 (22.4)
TB-EE-1-12	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	12 (305)	7/8 (22.4)
TB-EE-1-18	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	18 (457)	7/8 (22.4)
TB-EE-1-24	3 (76.2)	1-7/16 (36.6)	6-3/8 (162)	24 (610)	7/8 (22.4)

JAW JAW TURNBUCKLE



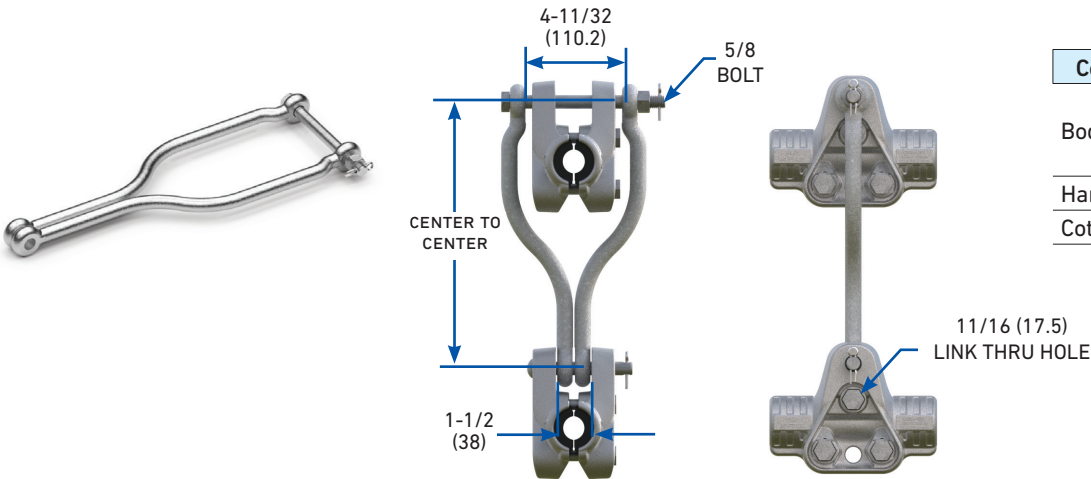
Catalog Number	Size	WLL	Rated Breaking Strength	Weight	Dimensions					
					in (mm)					
	in (mm)	lb (kN)	lb (kN)	lb	A	B	C	D	PD	E
TB-JJ-34-6	3/4 x 6 (19.1)	5,200 (23.1)	26,000 (116)	4.80 (2.18)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	20 (508)
TB-JJ-34-9	3/4 x 9 (19.1 x 229)	5,200 (23.1)	26,000 (116)	5.85 (2.65)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	26 (660)
TB-JJ-34-12	3/4 x 12 (19.1 x 305)	5,200 (23.1)	26,000 (116)	6.72 (3.05)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	32 (813)
TB-JJ-34-18	3/4 x 18 (19.1 x 457)	5,200 (23.1)	26,000 (116)	8.45 (3.83)	3/4 (19.1)	15/16 (23.9)	4-3/16 (106)	1-1/2 (38.1)	5/8 (15.9)	44 (1,118)
TB-JJ-78-12	7/8 x 12 (22.4 x 305)	7,200 (32)	36,000 (160)	9.37 (4.25)	7/8 (22.4)	1-1/8 (28.7)	4-7/8 (123)	1-3/4 (44.5)	3/4 (19.1)	33-5/16 (847)
TB-JJ-78-18	7/8 x 18 (22.4 x 457)	7,200 (32)	36,000 (160)	11.80 (5.35)	7/8 (22.4)	1-1/8 (28.7)	4-7/8 (123)	1-3/4 (44.5)	3/4 (19.1)	43-5/16 (1,101)
TB-JJ-1-6	1 x 6 (25.4 x 152)	10,000 (44.5)	50,000 (222)	10.40 (4.72)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	22-3/4 (577)
TB-JJ-1-12	1 x 12 (25.4 x 229)	10,000 (44.5)	50,000 (222)	13.80 (6.26)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	34-3/4 (882)
TB-JJ-1-18	1 x 18 (25.4 x 305)	10,000 (44.5)	50,000 (222)	17.10 (7.77)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	46-3/4 (1,187)
TB-JJ-1-24	1 x 24 (25.4 x 610)	10,000 (44.5)	50,000 (222)	21.00 (9.53)	1 (25.4)	1-3/16 (30.2)	5-1/2 (140)	2-1/16 (52.3)	7/8 (22.4)	58-3/4 (1,491)

JAW JAW TURNBUCKLE CONTINUED



Catalog Number	Dimensions			
	in (mm)			
	F	G	H	I
TB-JJ-34-6	14 (356)	22-5/8 (574)	16-5/8 (422)	6 (152)
TB-JJ-34-9	17 (432)	28-5/8 (726)	16-5/8 (498)	9 (229)
TB-JJ-34-12	20 (508)	34-5/8 (879)	22-5/8 (574)	12 (305)
TB-JJ-34-18	26 (660)	46-5/8 (1,184)	28-5/8 (726)	18 (457)
TB-JJ-78-12	21-5/16 (543)	36-5/16 (923)	24-5/16 (618)	12 (305)
TB-JJ-78-18	27-5/16 (695)	48-5/16 (1,227)	30-5/16 (770)	18 (457)
TB-JJ-1-6	16-3/4 (425)	26-1/16 (662)	20-1/16 (510)	6 (152)
TB-JJ-1-12	22-3/4 (577)	38-1/16 (967)	26-1/16 (662)	12 (305)
TB-JJ-1-18	28-3/4 (729)	50-1/16 (1,272)	32-1/16 (814)	18 (457)
TB-JJ-1-24	34-3/4 (882)	62-1/16 (1,576)	38-1/16 (967)	24 (610)

VERTICAL BUNDLING LINK FOR CGS

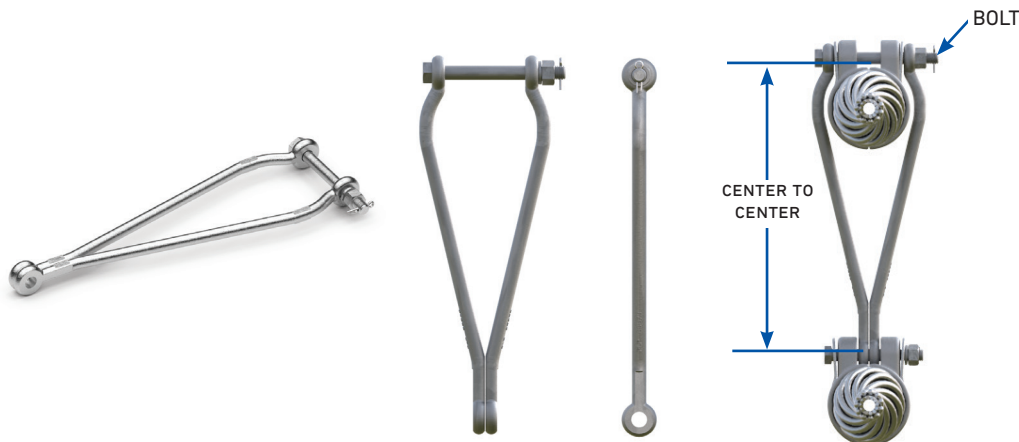


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	CGS Range	Center to Center	Vertical Ultimate Strength	Weight
		in (mm)	lbf (kN)	lb (kg)
VBLMS11244	All Sizes	12 (305)	30,000 (133)	6.2 (2.8)
VBLMS11302	All Sizes	18 (457)	40,000 (222)	7.5 (3.4)

Each assembly consists of two links, one bolt for top CGS, one lock washer and one locknut.

VERTICAL BUNDLING LINK FOR AGS



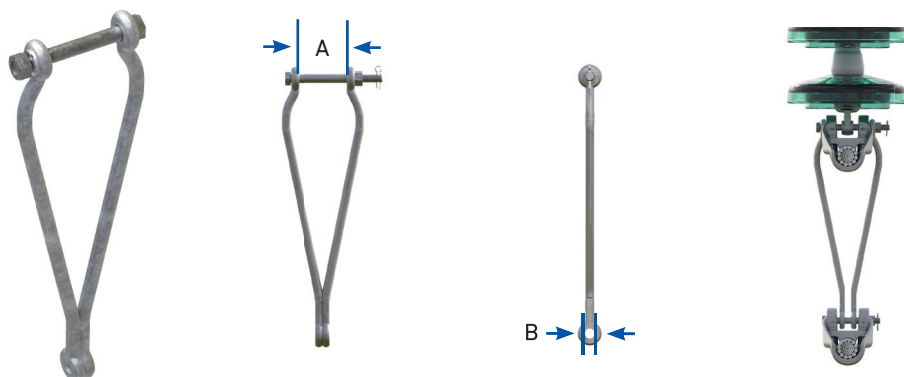
Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	General Dimensions				Weight
	in (mm)				
	AGS Range	Bolt Diameter	Rod Diameter	Center to Center	lb (kg)
VBL-04	.751 - .907 (19.0 - 23.0)	5/8 (15.8)	5/8 (15.8)	18 (457)	3.5 (1.6)
VBL-05	.908 - 1.005 (23.0 - 25.5)	5/8 (15.8)	5/8 (15.8)	18 (457)	3.9 (1.8)
VBL-06	1.006 - 1.208 (25.5 - 30.6)	5/8 (15.8)	5/8 (15.8)	18 (457)	3.9 (1.8)
VBL-07	1.209 - 1.355 (30.6 - 34.4)	3/4 (19.0)	3/4 (19.0)	18 (457)	5.3 (2.4)
VBL-08	1.356 - 1.557 (34.4 - 39.54)	3/4 (19.0)	3/4 (19.0)	18 (457)	5.4 (2.4)
VBL-09	1.558 - 1.882 (39.54 - 47.80)	3/4 (19.0)	3/4 (19.0)	18 (457)	5.4 (2.4)
VBL-10	1.883 - 2.233 (47.80 - 56.71)	3/4 (19.0)	3/4 (19.0)	18 (457)	5.4 (2.4)

Also available in 12" (304 mm) vertical spacing. Add -12 to catalog number (Ex: VBL-06-12).

Each assembly consists of two links, one bolt for top AGS, one lock washer and one locknut.

VERTICAL BUNDLING LINK FOR ALS

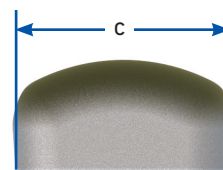
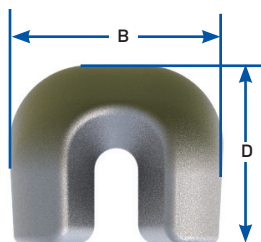


Component	Material
Body	Forged Steel, Hot Dip Galvanized
Hardware	Galvanized Steel
Cotter Pin	Stainless Steel

Catalog Number	ALS Clamp	General Dimensions					Rated Strength	Weight
		in (mm)						
		Rod Diameter	Bolt Diameter	Center to Center	A	B	lbf (kN)	lb (kg)
VBL-13	ALS-122BNK	5/8 (15.8)	5/8 (15.8)	18 (457)	3-1/4 (82.6)	11/16 (17.5)	25,000 (111)	3.8 (1.7)
VBL-14	ALS-181BNK	5/8 (15.8)	5/8 (15.8)	18 (457)	3-1/2 (88.9)	11/16 (17.5)	25,000 (111)	3.8 (1.7)
VBL-15	ALS-238BNK	3/4 (19.1)	5/8 (15.8)	18 (457)	4-5/16 (110)	11/16 (17.5)	30,000 (133)	4.0 (1.8)

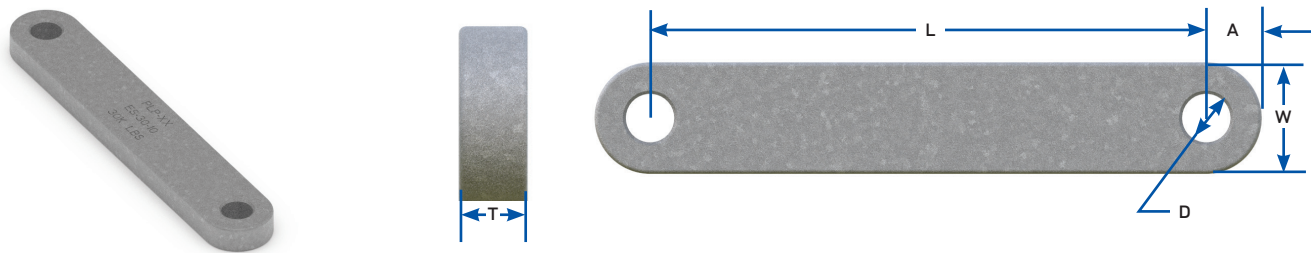
Each assembly consists of two links, one bolt for top ALS, one lock washer and one locknut.

SHIELD NUT



Catalog Number	Drill Thread A	Nut Width B	Nut Length C	Nut Height D	Weight
					lb (kg)
SN-58	5/8 (15.9)	1-9/32 (32.5)	2-7/32 (55.9)	1-1/8 (28.6)	0.19 (0.09)
SN-34	3/4 (19.1)	1-9/32 (32.5)	2-7/32 (55.9)	1-1/8 (28.6)	0.19 (0.09)
SN-78	7/8 (22.2)	1-9/32 (32.5)	2-7/32 (55.9)	1-1/8 (28.6)	0.19 (0.09)
SN-1	1 (25.4)	1-15/16 (49.3)	2-13/16 (71.4)	1-1/2 (38.1)	0.49 (0.22)
SN-118	1-1/8 (28.6)	1-15/16 (49.3)	2-13/16 (71.4)	1-1/2 (38.1)	0.47 (0.21)
SN-114	1-1/4 (31.8)	1-15/16 (49.3)	2-13/16 (71.4)	1-1/2 (38.1)	0.45 (0.20)

EXTENSION STRAP

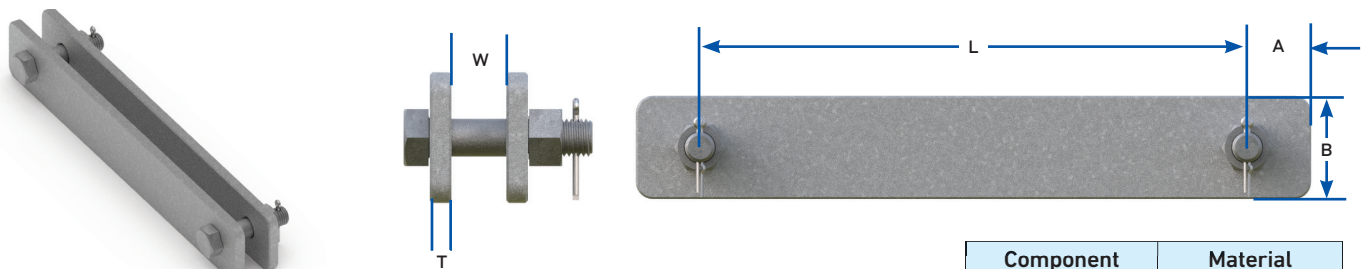


Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions					Vertical Ultimate Strength
	in (mm)					
	A	D	L	W	T	lbf (kN)
ES-30-L	1 (25.4)	7/8 (22.4)	TBD	2 (50.8)	3/4 (19.1)	30,000 (133)
ES-50-L	1-1/4 (31.8)	31/32 (24.6)	TBD	2-1/4 (63.5)	3/4 (19.1)	50,000 (222)
ES-100-L	1-1/2 (38.1)	1-3/8 (34.9)	TBD	4 (101.6)	1 (25.4)	100,000 (444)
ES-150-L	1-9/16 (39.7)	1-5/8 (41.3)	TBD	5 (127.0)	1-1/2 (38.1)	150,000 (667)

L = Length in inches. Example L = 18, ES-30-18.

EXTENSION STRAP SET

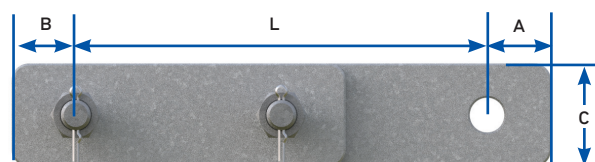
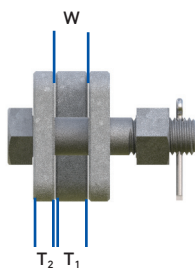
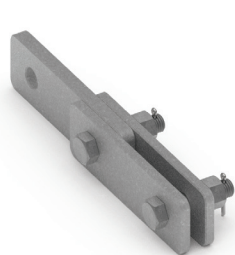


Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions					Vertical Ultimate Strength
	in (mm)					
	A	B	L	W	T	lbf (kN)
ESS2-50-L	1-7/8 (47.6)	3 (76.2)	TBD	0 - 1-5/8 (0 - 41.2)	1/2 (12.7)	50,000 (222)
ESS2-100-L	2-3/16 (55.6)	4 (101.6)	TBD	0 - 1-3/4 (0 - 44.5)	3/4 (19.1)	100,000 (444)
ESS2-150-L	2-3/8 (60.3)	5 (127.0)	TBD	0 - 2-1/4 (0 - 57.2)	1 (25.4)	150,000 (667)

L = Length in inches. Example L = 18, ESS2-30-18.

EXTENSION STRAP 3

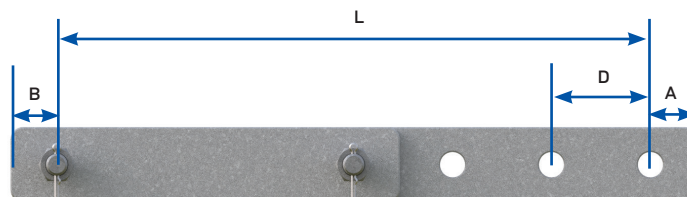
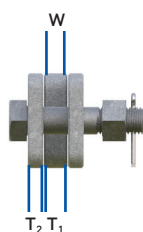


Component	Material
Body	Forged Steel, Hot Dip Galvanized

Catalog Number	General Dimensions							Vertical Ultimate Strength
	in (mm)							
	A	B	C	L	W	T ₁	T ₂	
ESS3-50-L	1-7/8 (47.6)	1-7/8 (47.6)	3 (76.2)	TBD	3/4 - 1-5/8 (19.2 - 41.2)	3/4 (19.1)	1/2 (12.7)	50,000 (222)
ESS3-100-L	2-3/16 (55.6)	2-3/16 (55.6)	4 (101.6)	TBD	1 - 1-3/4 (25.4 - 44.5)	1 (25.4)	3/4 (19.1)	100,000 (444)
ESS3-150-L	2-3/8 (60.3)	2-3/8 (60.3)	5 (127.0)	TBD	1-1/2 - 2-1/4 (38.1 - 57.2)	1-1/2 (38.1)	1 (25.4)	150,000 (667)

L = Length in inches. Example L = 18, EES3-30-18.

ADJUSTABLE EXTENSION STRAP



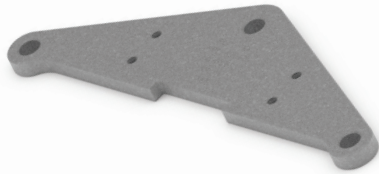
Component	Material
Straps	Galvanized Steel
Hardware	Galvanized Steel
Cotter Pins	Stainless steel
Rated breaking strength (RBS)	100,000 lb (444 kN)

Catalog Number	General Dimensions								Vertical Ultimate Strength
	in (mm)								
	A	B	C	D	L	W	T ₁	T ₂	
AES-50-L _{min} - L _{max}	1-7/8 (47.6)	1-7/8 (47.6)	3 (76.2)	4 (101.6)	TBD	3/4 - 1-5/8 (19.2 - 41.2)	3/4 (19.1)	1/2 (12.7)	50,000 (222)
AES-100-L _{min} - L _{max}	2-3/16 (55.6)	2-3/16 (55.6)	4 (101.6)	4 (101.6)	TBD	1 - 1-3/4 (25.4 - 44.5)	1 (25.4)	3/4 (19.1)	100,000 (444)
AES-150-L _{min} - L _{max}	2-3/8 (60.3)	2-3/8 (60.3)	5 (127.0)	4 (101.6)	TBD	1-1/2 - 2-1/4 (38.1 - 57.2)	1-1/2 (38.1)	1 (25.4)	150,000 (667)

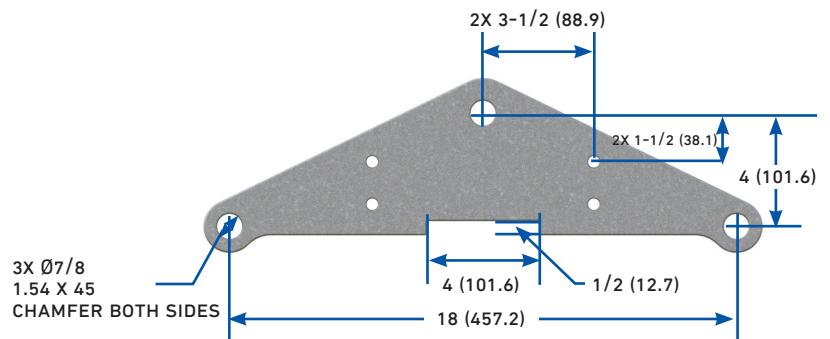
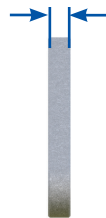
L = Length in inches. Example L = 18, AES-50-16-24.

YOKE PLATE, DELTA, 40K (APEX HOLE)

Catalog Number: YPD-65597



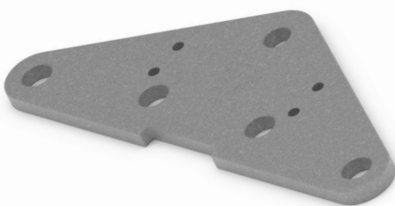
3/4 (19)
BEFORE PLATING



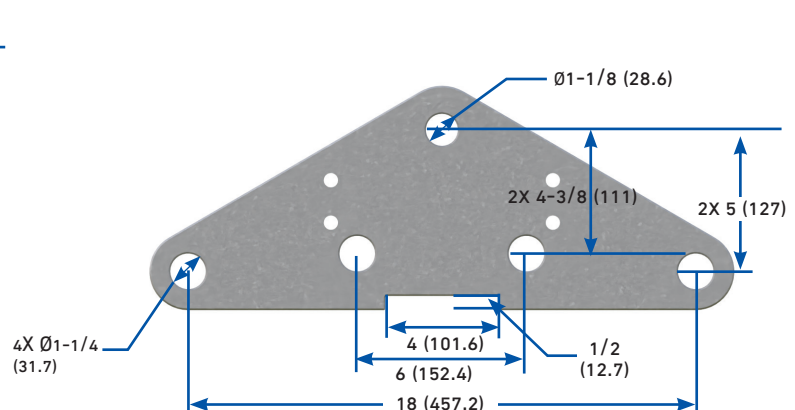
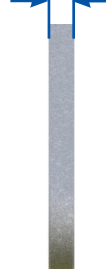
Component	Material
Material	Galvanized Steel
Approximate weight	13 lb (5.9 kg)
Rated breaking strength (RBS)	40,000 lb (APEX Hole) (178 kN)

YOKE PLATE, DELTA, 50 K (APEX HOLE)

Catalog Number: YPD-65607



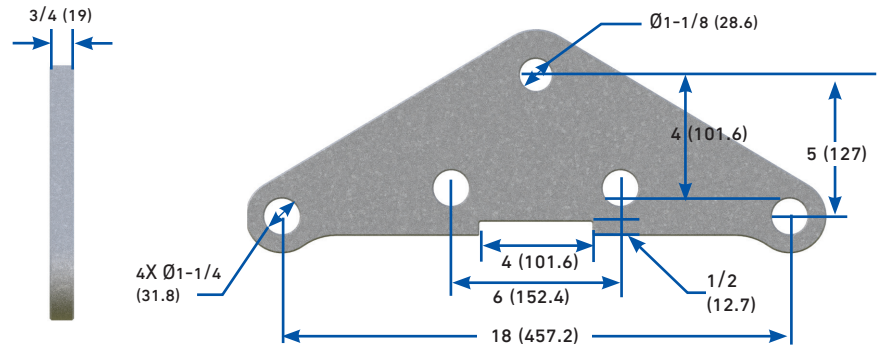
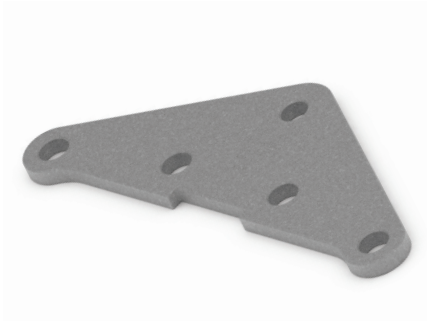
7/16 (11)



Component	Material
Material	Galvanized Steel
Approximate weight	21 lb (9.5 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN) (APEX Hole)

YOKE PLATE, DELTA, 50 K (APEX HOLE)

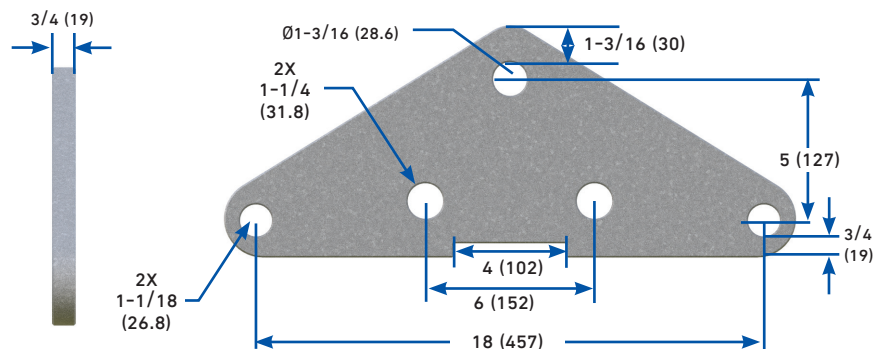
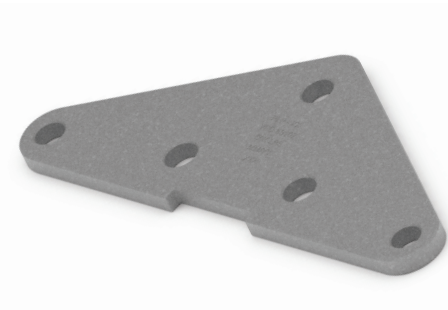
Catalog Number: YPD-65961



Component	Material
Material	Galvanized Steel
Approximate weight	18 lb (8.2 kg)
Rated breaking strength (RBS)	50,000 lb (APEX Hole) (222 kN)

YOKE PLATE, DELTA, 60K 18"

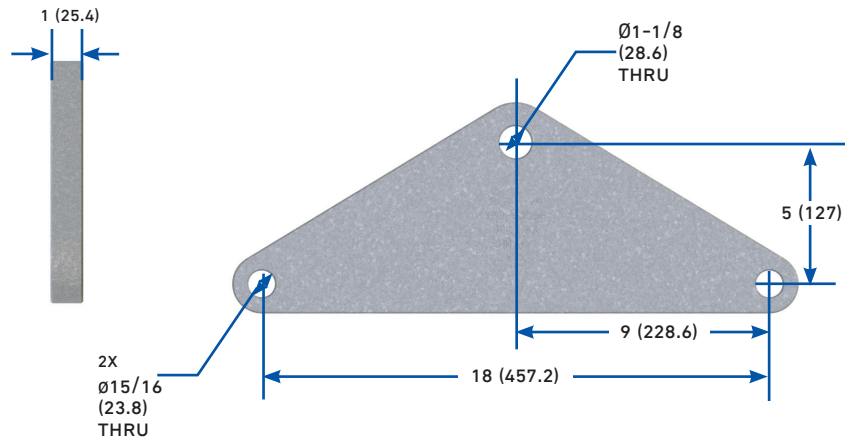
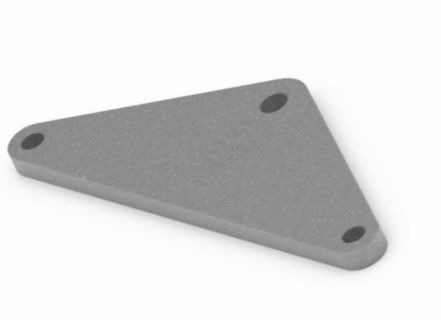
Catalog Number: YPD-69107



Component	Material
Material	Galvanized Steel
Approximate weight	21.6 lb (9.8 kg)
Rated breaking strength (RBS)	60,000 lb (267 kN)

YOKE PLATE, DELTA, 80K (APEX HOLE)

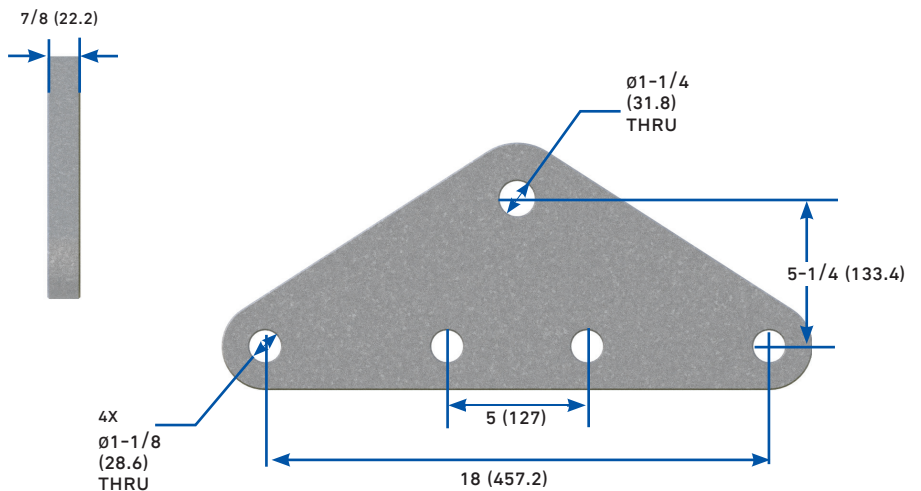
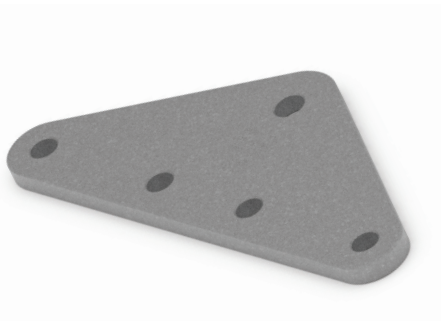
Catalog Number: YPD-65598



Component	Material
Material	Galvanized Steel
Approximate weight	36 lb (11.3 kg)
Rated breaking strength (RBS)	80,000 lb (356 kN) (APEX Hole)

YOKE PLATE, DELTA, 100K (APEX HOLE)

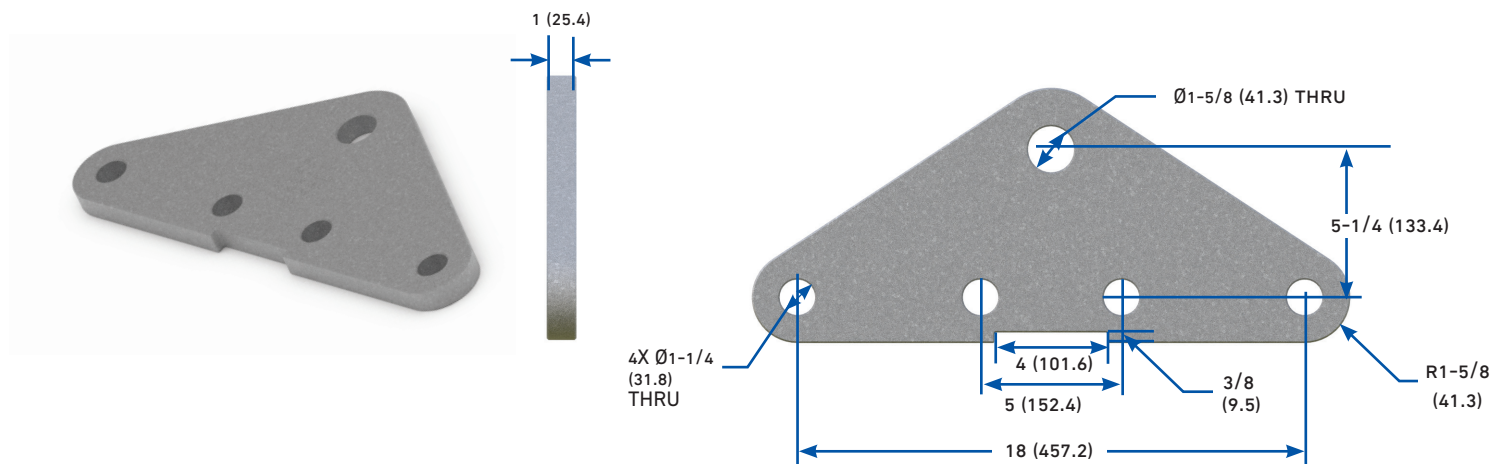
Catalog Number: YPD-65965



Component	Material
Material	Galvanized Steel
Approximate weight	29 lb (13.2 kg)
Rated breaking strength (RBS)	100,000 lb (444 kN) (APEX Hole)

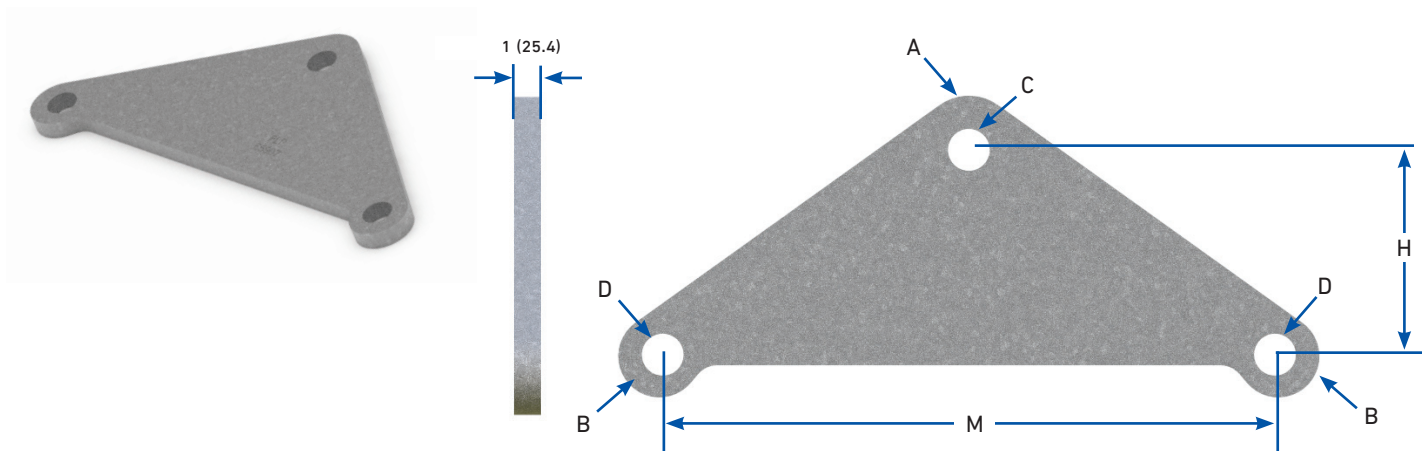
YOKE PLATE, DELTA, 120K (APEX HOLE)

Catalog Number: YPD-65616



Component	Material
Material	Galvanized Steel
Approximate weight	33 lb (15 kg)
Rated breaking strength (RBS)	120,000 lb (533 kN) (APEX Hole)

YOKE PLATE FOR DOUBLE AGS

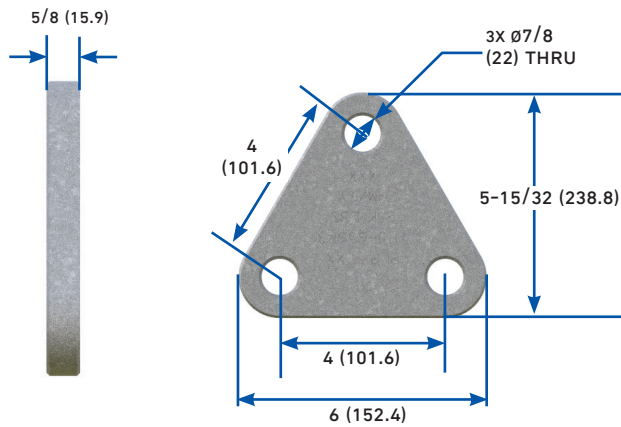


Component	Material
Material	Galvanized Steel

Catalog Number	Dimensions						Plate Thickness	Vertical Ultimate Strength
	in (mm)							
	A	B	C	D	M	H	in (mm)	lb (kN)
	Radius	Radius	Diameter	Diameter				
YP-5907	1 (25.4)	13/16 (20.6)	13/16 (20.6)	13/16 (20.6)	12 (304.8)	4 (101.6)	1/2 (12.7)	30,000 (133)
YP-5908	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	18 (457.2)	6-1/4 (158.8)	5/8 (15.9)	40,000 (178)
YP-5909	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	22 (558.8)	7-1/4 (184.2)	5/8 (15.9)	40,000 (178)
YP-5910	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	26 (660.4)	8-1/2 (215.9)	3/4 (19.0)	50,000 (222)
YP-5911	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	29 (736.6)	9-1/2 (241.3)	3/4 (19.0)	50,000 (222)
YP-5912	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	32 (812.8)	10-1/2 (266.7)	3/4 (19.0)	50,000 (222)
YP-5913	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	37 (939.8)	11-3/4 (298.45)	3/4 (19.0)	50,000 (222)
YP-5934	1-1/4 (31.8)	5 (127)	1 (25.4)	7-27/32 (199.2)	42 (1066.8)	13 (330.2)	15/16 (23.8)	50,000 (222)

4" (101 MM) YOKE PLATE, DELTA, 30 K (PER HOLE)

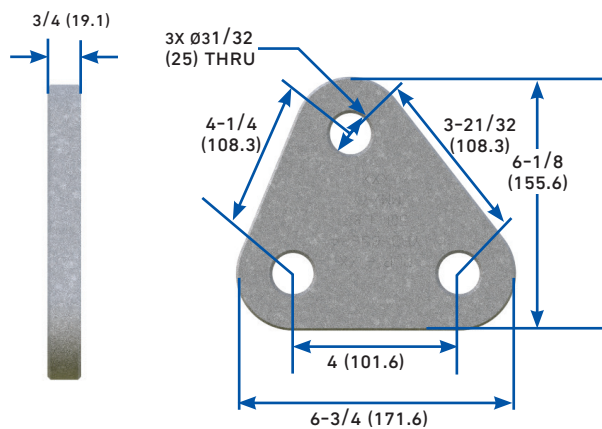
Catalog Number: YPD-65623



Component	Material
Material	Galvanized Steel
Approximate weight	4 lb (1.81 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

4" (101 MM) YOKE PLATE, DELTA, 50 K (PER HOLE)

Catalog Number: YPD-65624

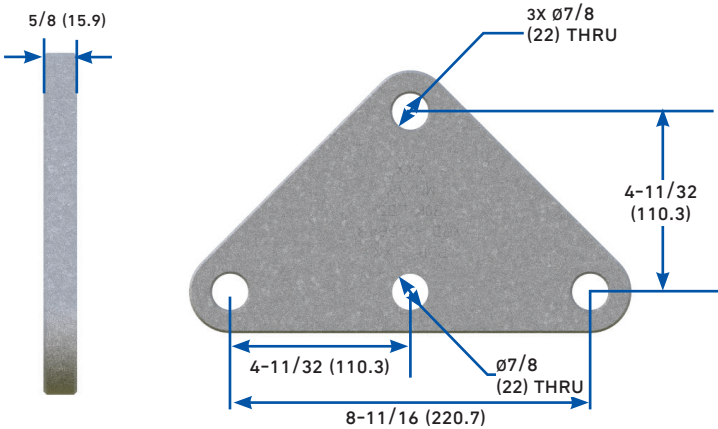
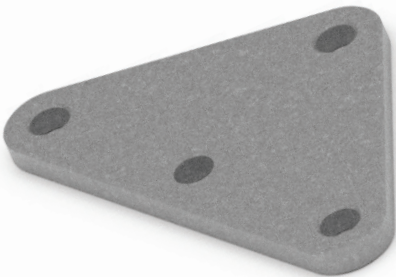


Component	Material
Material	Galvanized Steel
Approximate weight	6 lb (2.72 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)



YOKE PLATE, DELTA, 30 K

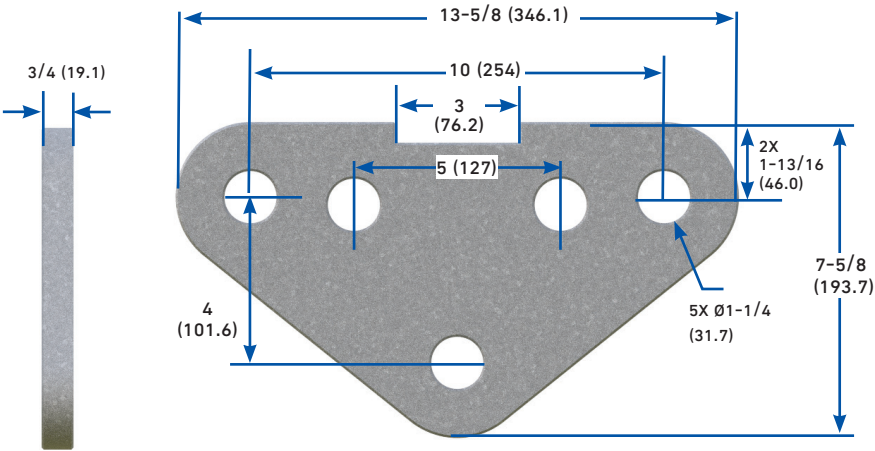
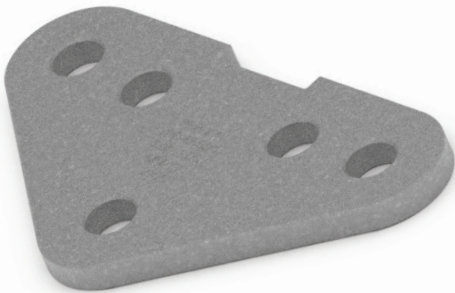
Catalog Number: YPD-65643



Component	Material
Material	Galvanized Steel
Approximate weight	7 lb (3.2 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

YOKE PLATE, DELTA, 50 K, 10 INCH SPACING

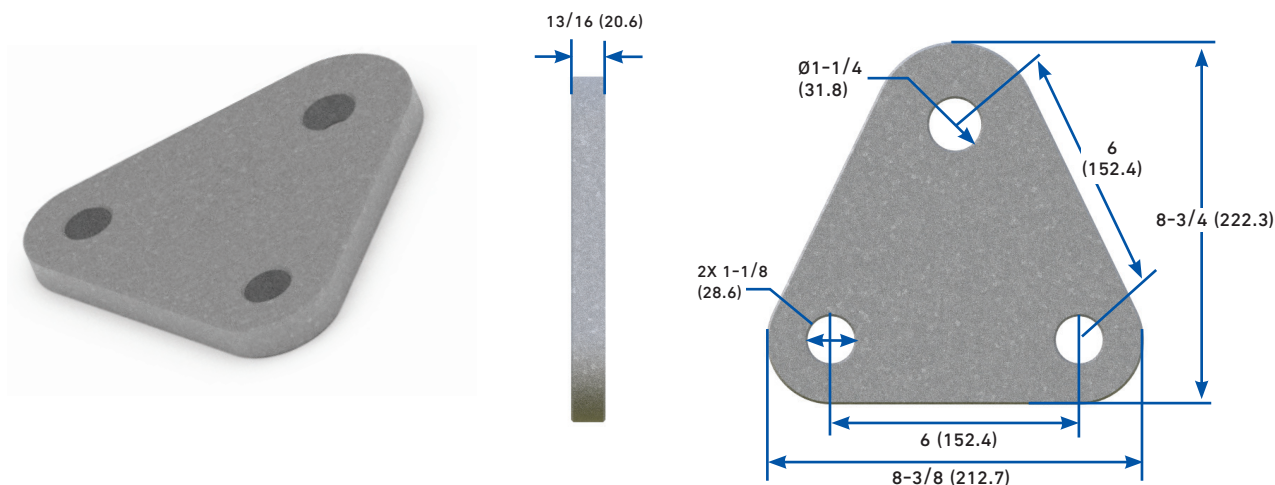
Catalog Number: YPD-65990



Component	Material
Material	Galvanized Steel
Approximate weight	13.6 lb (6.2 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, DELTA, 100K

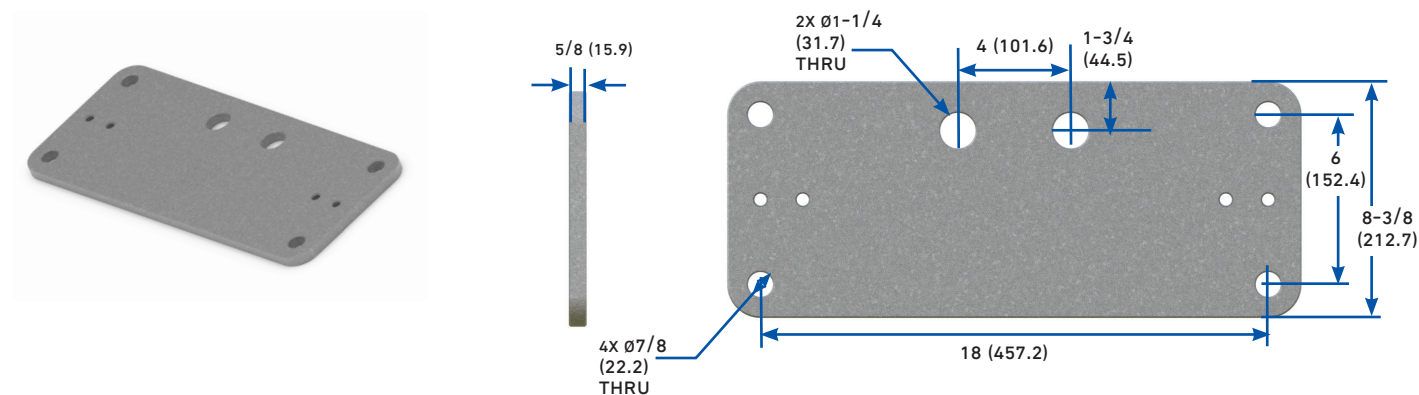
Catalog Number: YPD-65972



Component	Material
Material	Galvanized Steel
Approximate weight	13 lb (5.9 kg)
Rated breaking strength (RBS)	100,000 lb (444 kN)

YOKE PLATE, RECTANGLE, 30 K (PER HOLE)

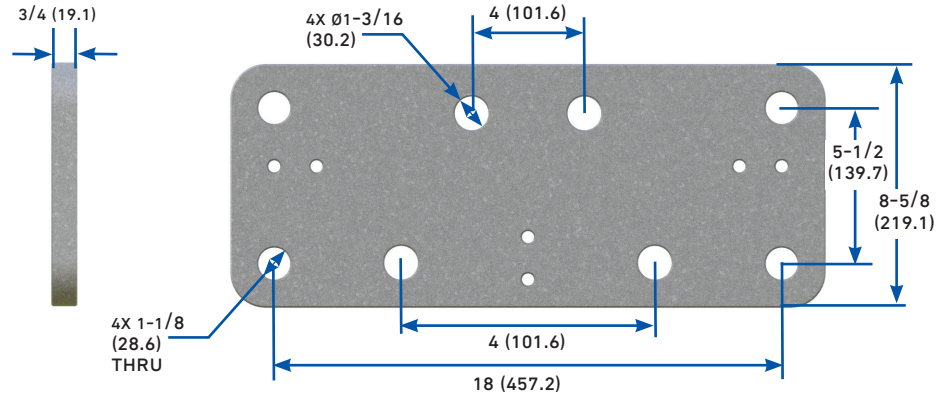
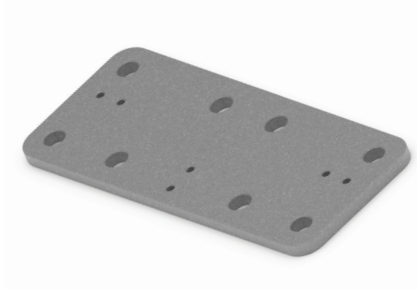
Catalog Number: YPR-65606



Component	Material
Material	Galvanized Steel
Approximate weight	29 lb (13.2 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

YOKE PLATE, RECTANGLE, 50 K (PER HOLE)

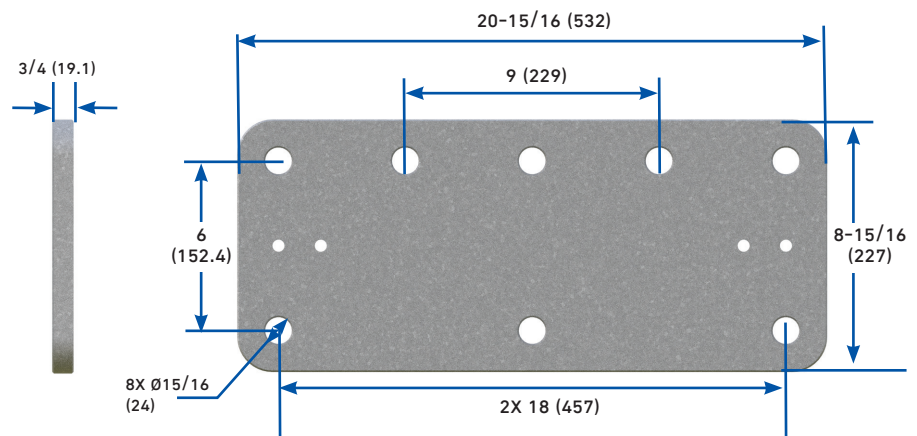
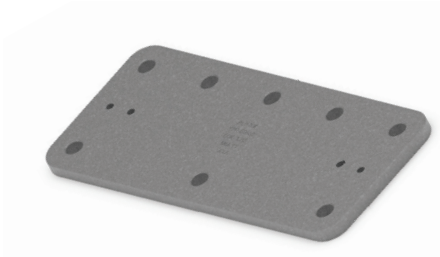
Catalog Number: YPR-65608



Component	Material
Material	Galvanized Steel
Approximate weight	36 lb (16.3 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, RECTANGULAR, 60K (PER HOLE)

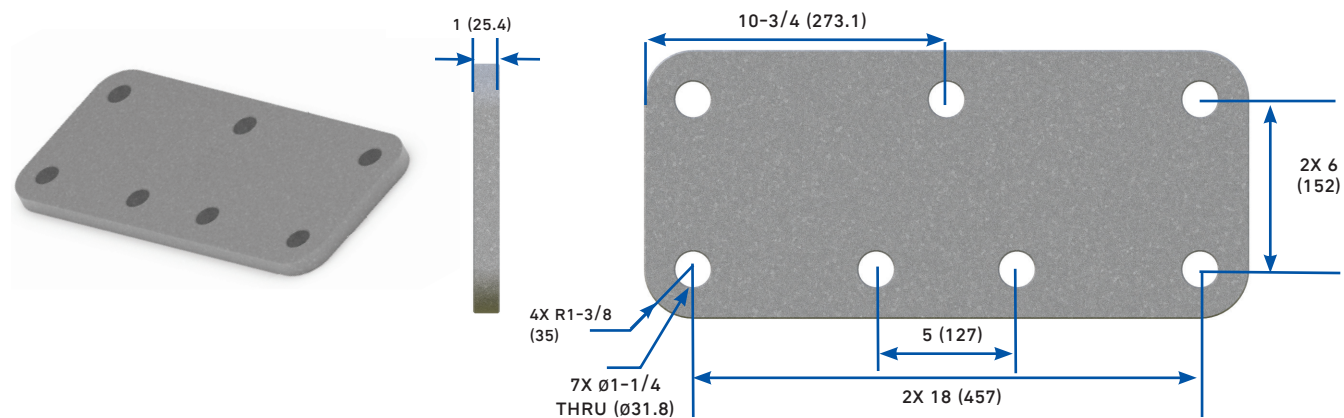
Catalog Number: YPR-69108



Component	Material
Material	Galvanized Steel
Approximate weight	38 lb (17.2 kg)
Rated breaking strength (RBS)	60,000 lb (267 kN)

YOKE PLATE, RECTANGLE, 80K (PER HOLE)

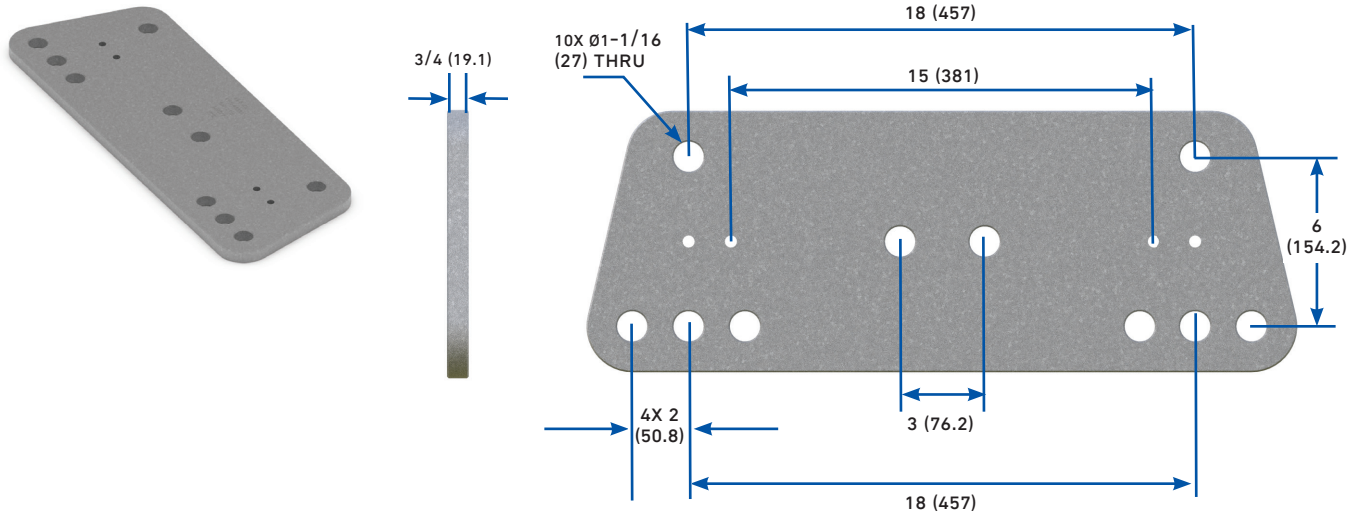
Catalog Number: YPR-65614



Component	Material
Body	Galvanized Steel
Approximate weight	36 lb (16.3 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, RECTANGULAR, 50K (PER HOLE)

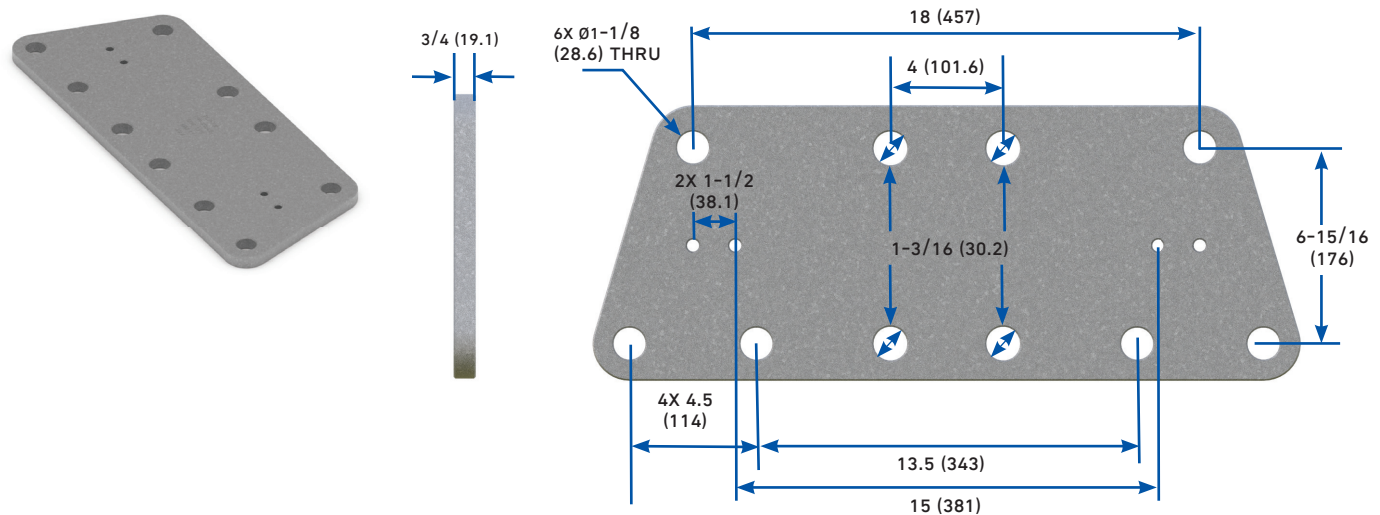
Catalog Number: YPR-66386



Component	Material
Material	Galvanized Steel
Approximate weight	44.4 lb (20.1 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, RECTANGULAR, 50K (PER HOLE)

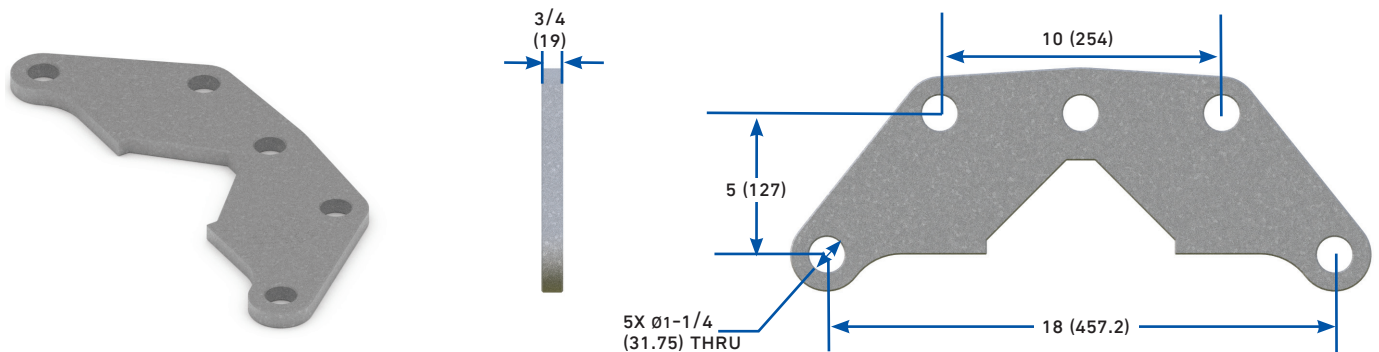
Catalog Number: YPR-69086



Component	Material
Material	Galvanized Steel
Approximate weight	45.5 lb (20.1 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, V-STRING TWIN, 30 K (PER HOLE)

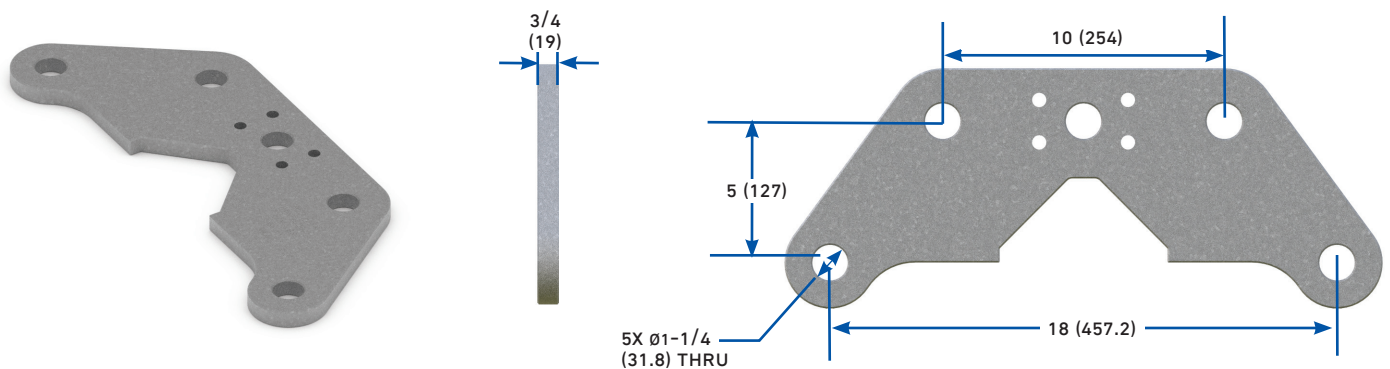
Catalog Number: YPV-65611



Component	Material
Material	Galvanized Steel
Approximate weight	19 lb (8.6 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

YOKE PLATE, V-STRING TWIN, 50 K (PER HOLE)

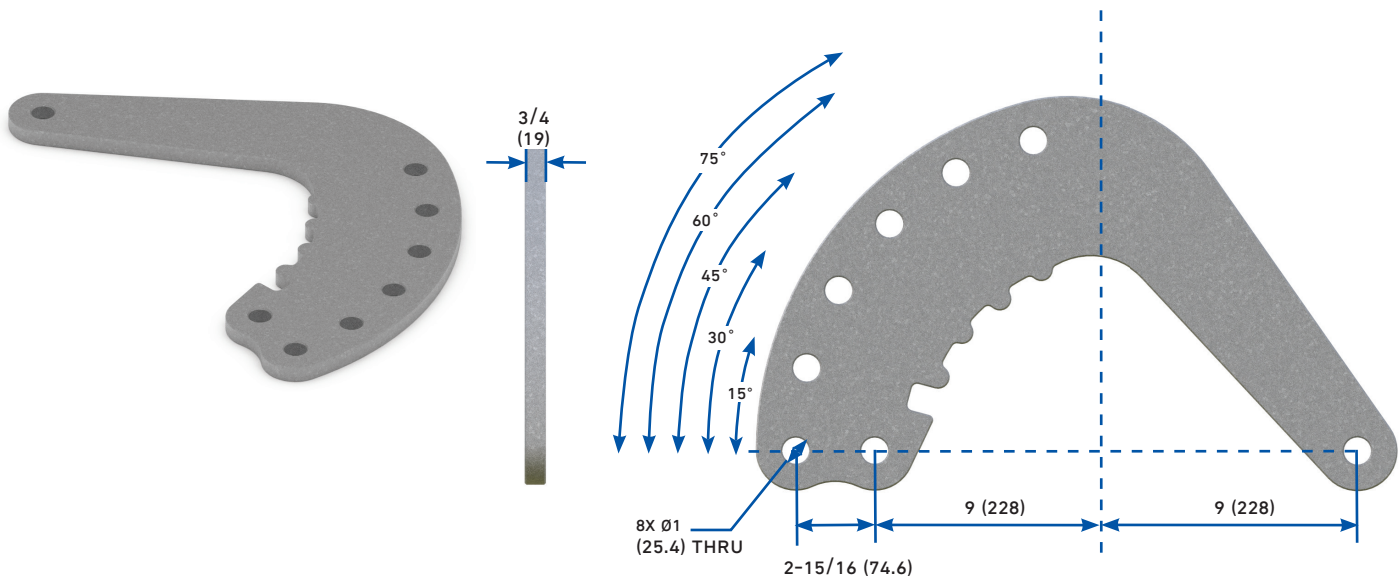
Catalog Number: YPV-65617



Component	Material
Material	Galvanized Steel
Approximate weight	23 lb (10.4 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, MEDIUM ANGLE, 50 K (PER HOLE)

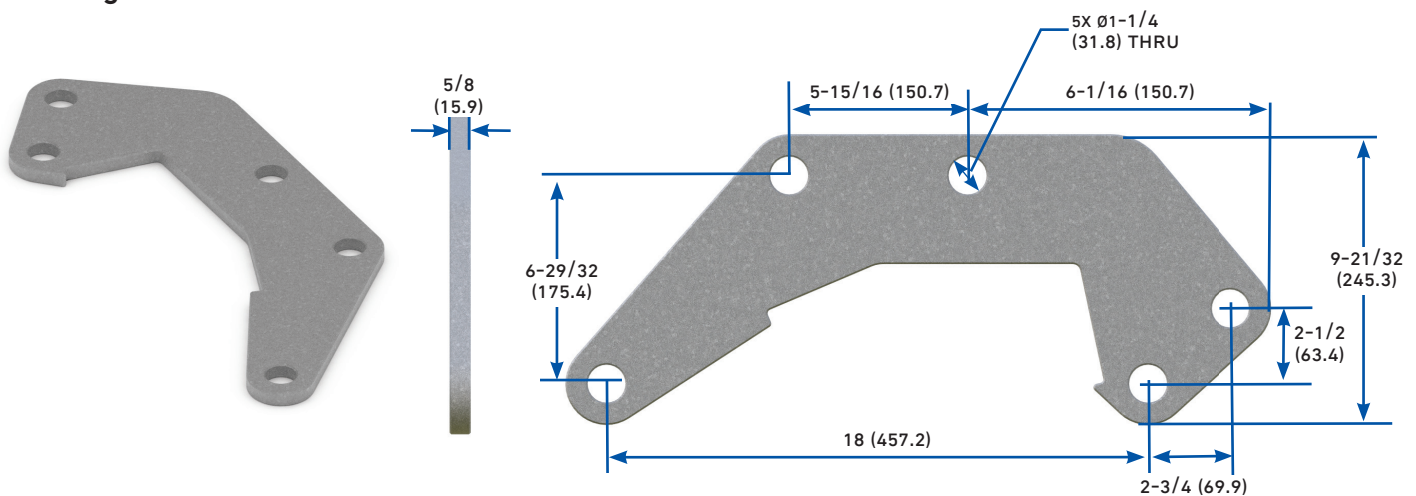
Catalog Number: YPC-65613



Component	Material
Material	Galvanized Steel
Approximate weight	34 lb (10.4 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, CRESCENT, 30 K (PER HOLE)

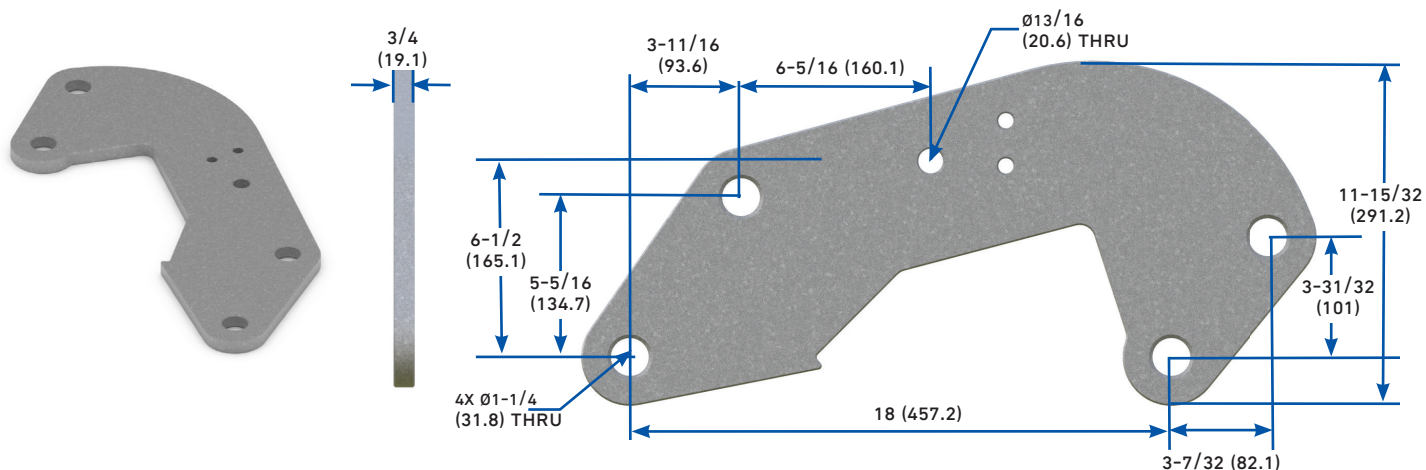
Catalog Number: YPC-65958



Component	Material
Material	Galvanized Steel
Approximate weight	20 lb (9.1 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

YOKE PLATE, CRESCENT, 50 K (PER HOLE)

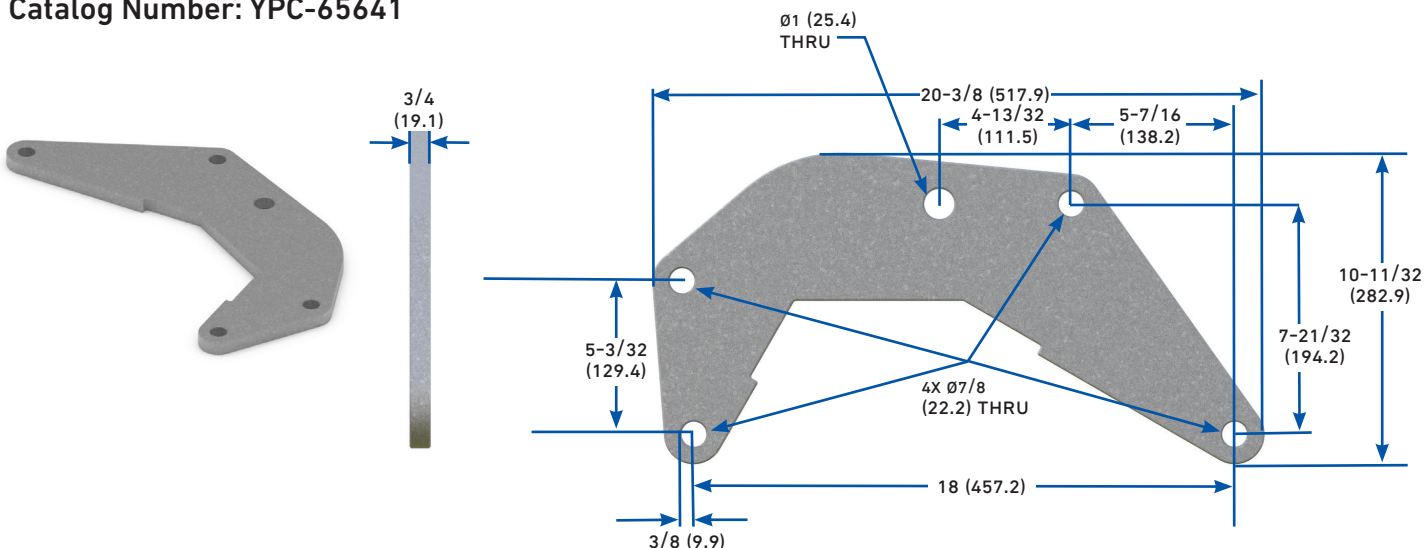
Catalog Number: YPC-65962



Component	Material
Material	Galvanized Steel
Approximate weight	33 lb (15 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, SEMI-V 60/30 – 30 K (PER HOLE)

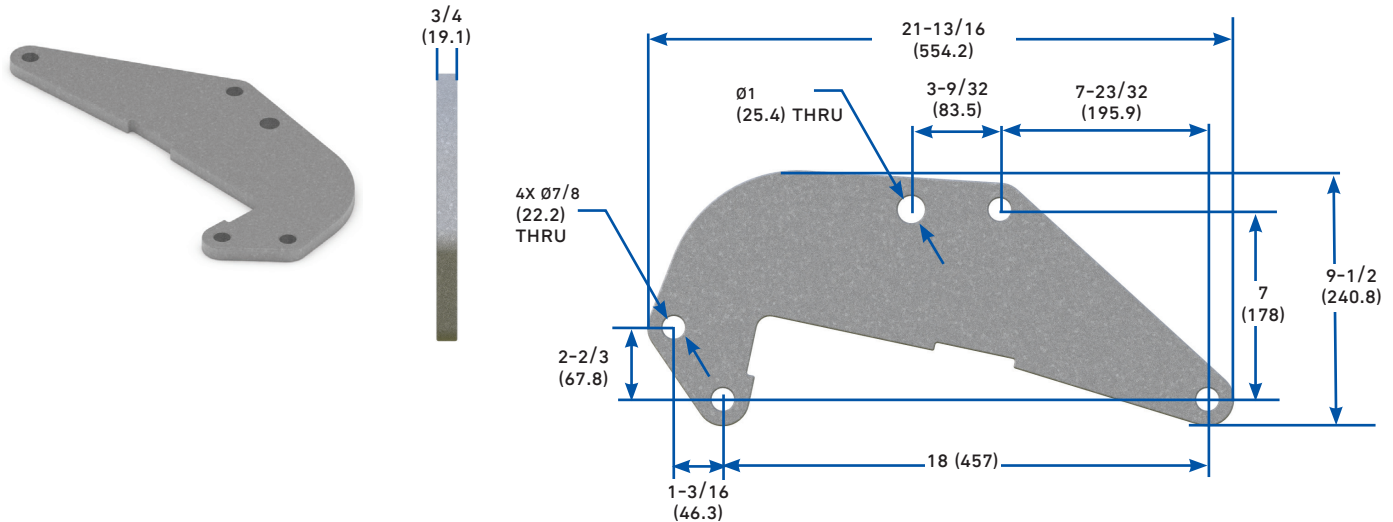
Catalog Number: YPC-65641



Component	Material
Material	Galvanized Steel
Approximate weight	22 lb (9.9 kg)
Rated breaking strength (RBS)	30,000 lb (135 kN)

YOKE PLATE, SEMI-V 78/12 – 30 K (PER HOLE)

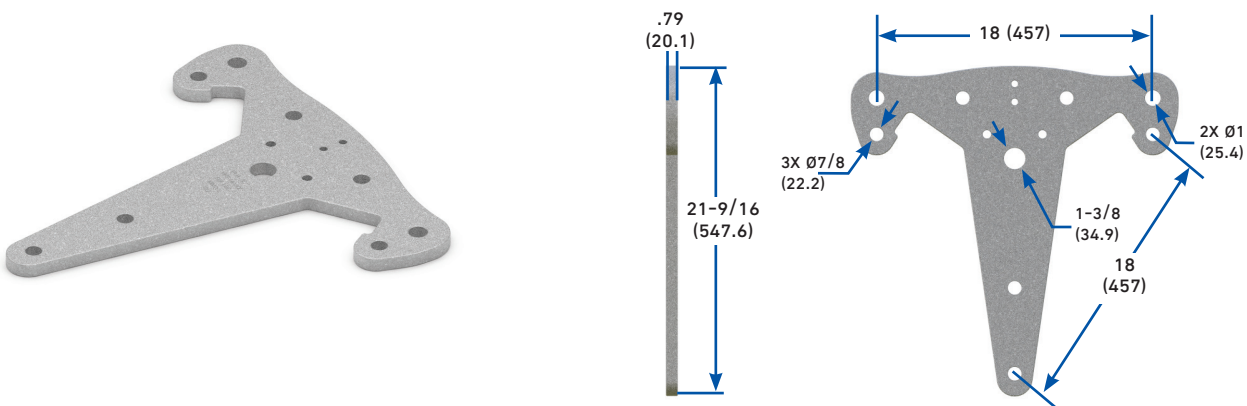
Catalog Number: YPC-65642



Component	Material
Material	Galvanized Steel
Approximate weight	24 lb (15 kg)
Rated breaking strength (RBS)	30,000 lb (133 kN)

YOKE PLATE, TRI-BUNDLE, I-STRING, 50 K

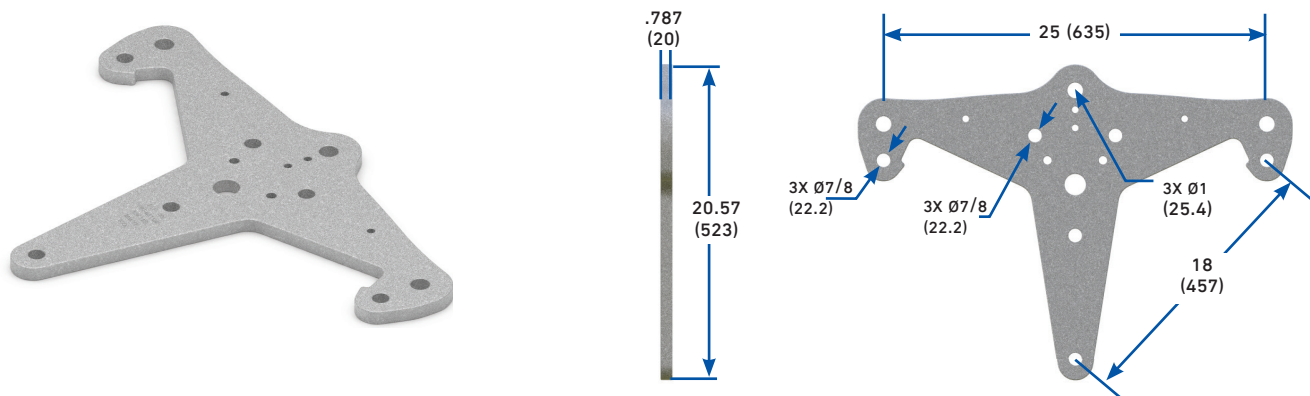
Catalog Number: YPT-66115



Component	Material
Material	Galvanized Steel
Approximate weight	34.9 lb (15.8 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, TRI-BUNDLE, V-STRING, 50 K

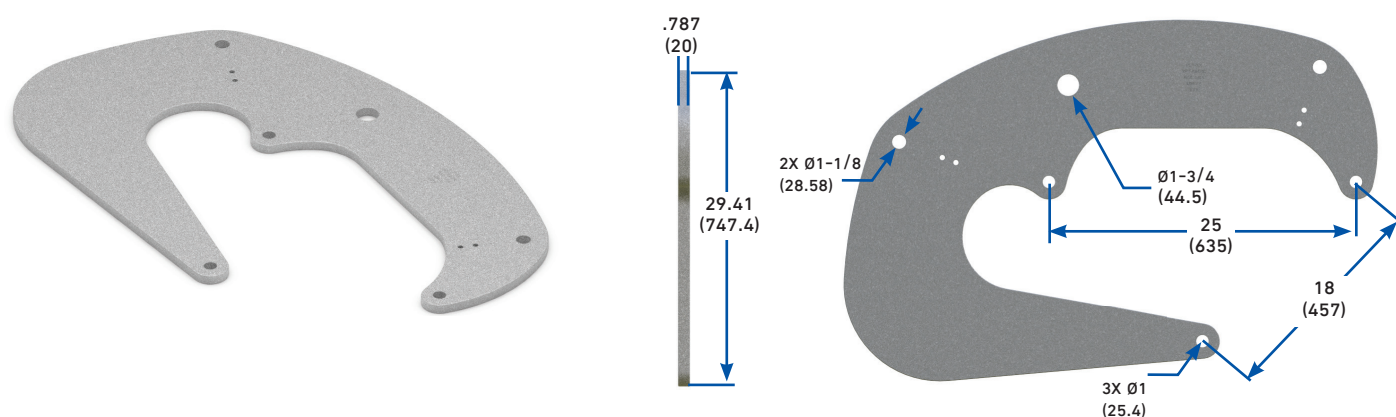
Catalog Number: YPT-66119



Component	Material
Material	Galvanized Steel
Approximate weight	40.6 lb (18.4 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

YOKE PLATE, TRI-BUNDLE, ANGLED SUSPENSION

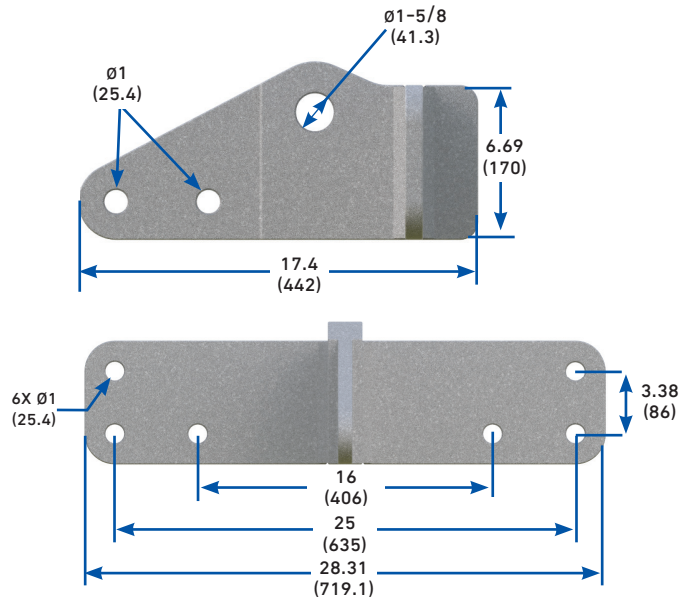
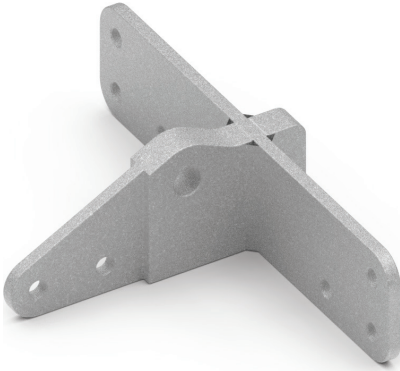
Catalog Number: YPT-66121



Component	Material
Material	Galvanized Steel
Approximate weight	139 lb (63 kg)
Rated breaking strength (RBS)	60,000 lb (266 kN)

YOKE PLATE, TRI-BUNDLE, DEAD-END, 25" X 18" X 18", 150K

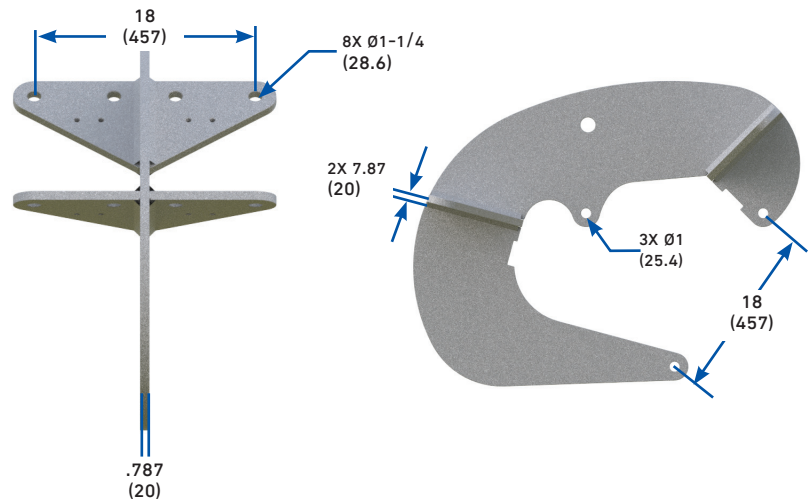
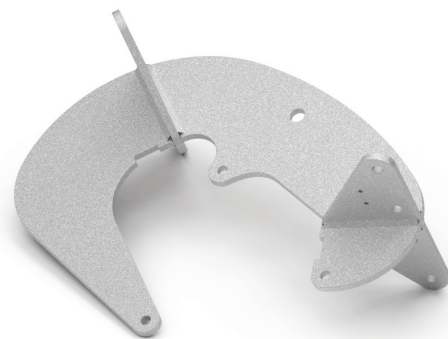
Catalog Number: YPT-66124



Component	Material
Material	Galvanized Steel
Approximate weight	80 lb (36 kg)
Rated breaking strength (RBS)	150,000 lb (667 kN)

YOKE PLATE, TRI-BUNDLE, ANGLED SUSPENSION

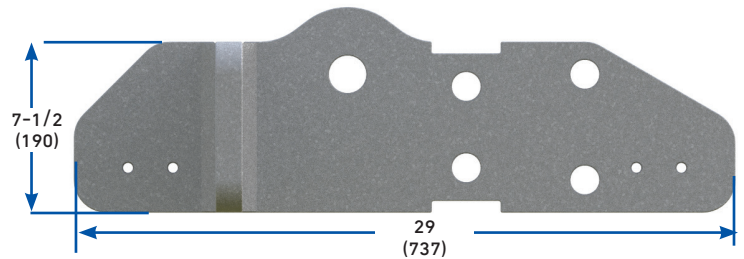
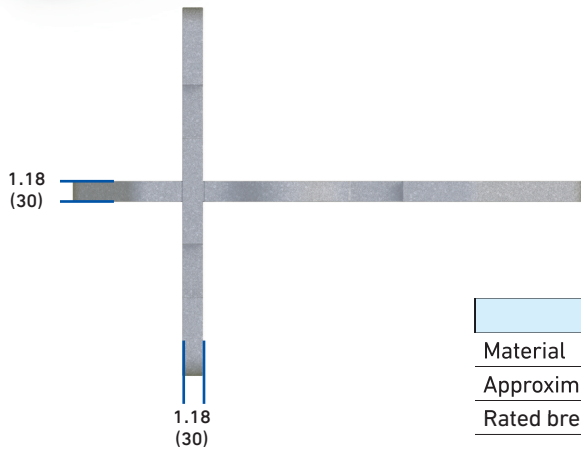
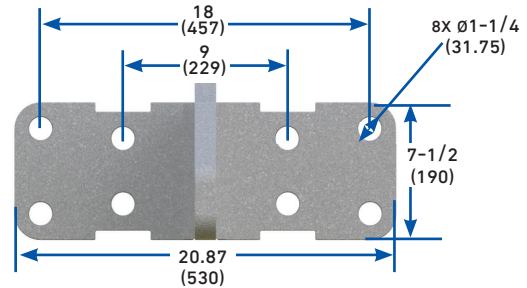
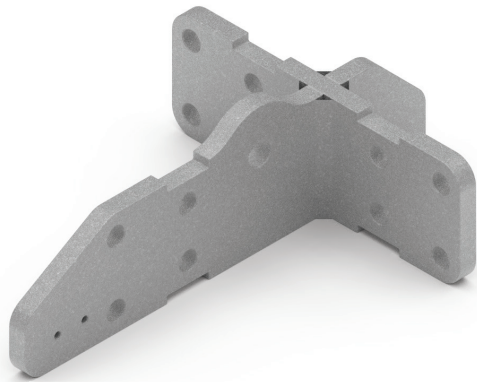
Catalog Number: YPT-66211



Component	Material
Material	Galvanized Steel
Approximate weight	195 lb (88 kg)
Rated breaking strength (RBS)	100,000 lb (444 kN)

YOKE PLATE, TRI-BUNDLE, DEAD-END, 150K

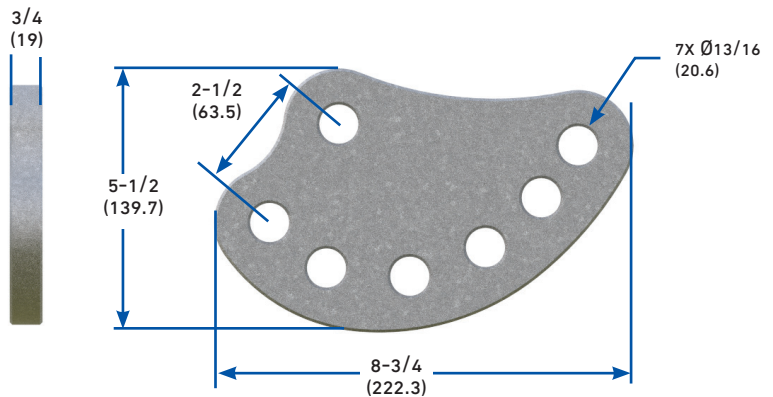
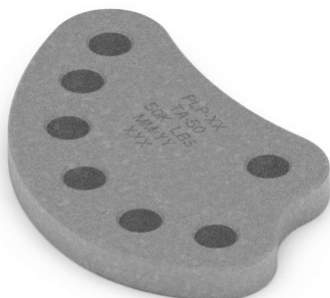
Catalog Number: YPT-66215



Component	Material
Material	Galvanized Steel
Approximate weight	108 lb (49 kg)
Rated breaking strength (RBS)	150,000 lb (667 kN)

TENSION ADJUSTMENT YOKE PLATE, 50 K

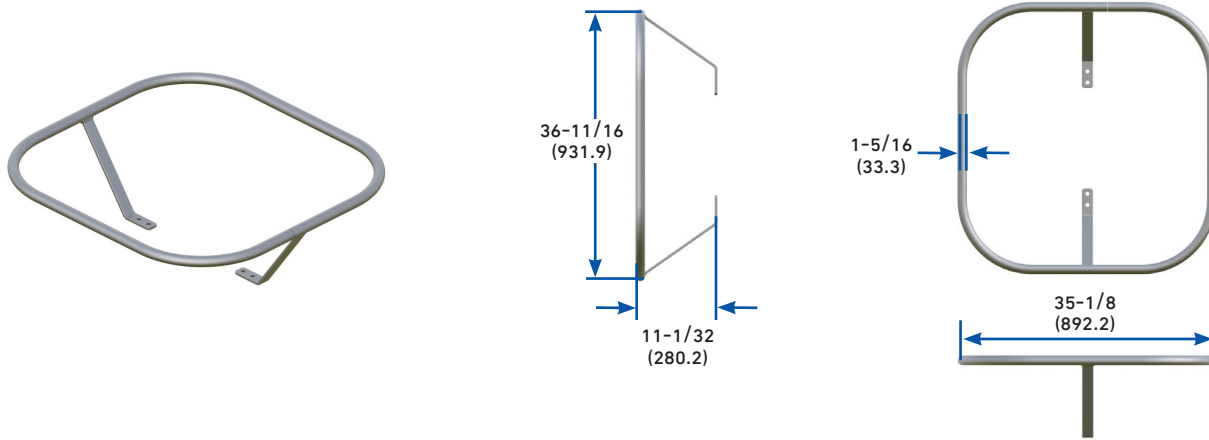
Catalog Number: TA-50



Component	Material
Body	Galvanized Steel
Approximate weight	6.5 lb (2.9 kg)
Rated breaking strength (RBS)	50,000 lb (222 kN)

CORONA RING, DEAD-END

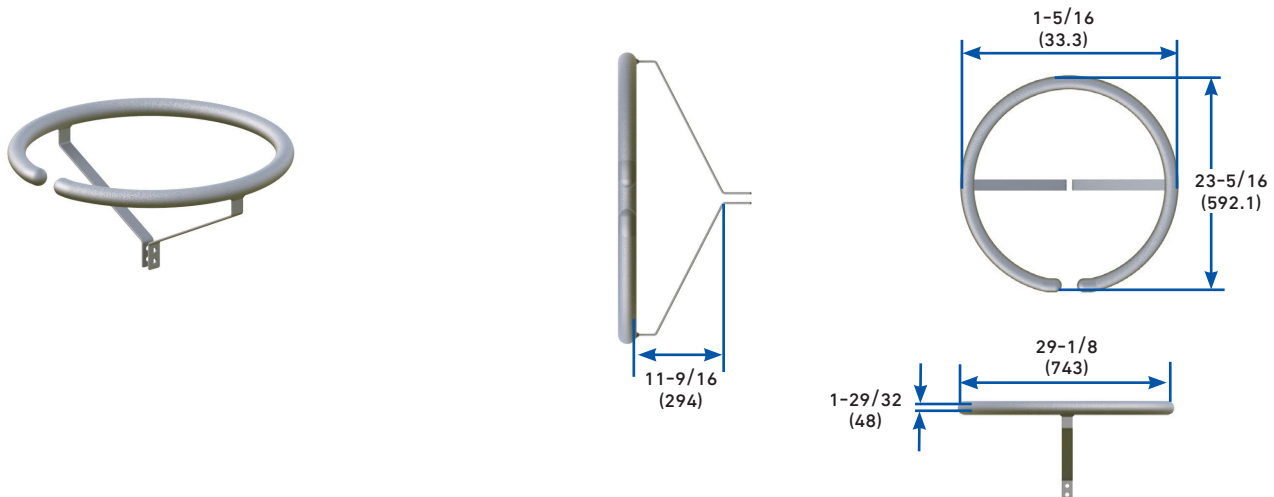
Catalog Number: CR-003



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	8.0 lb (3.6 kg)

CORONA RING, ANGLED SUSPENSION

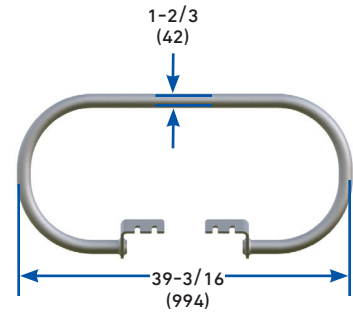
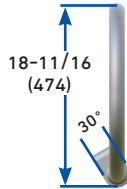
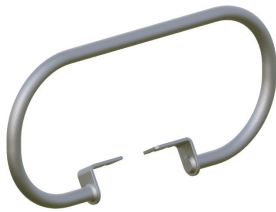
Catalog Number: CR-009



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	22 lb (10 kg)

CORONA RING, TANGENT SUSPENSION

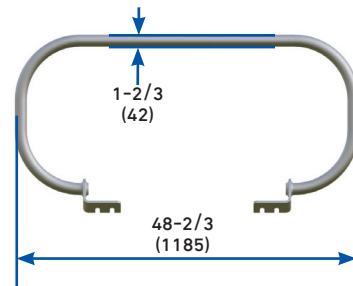
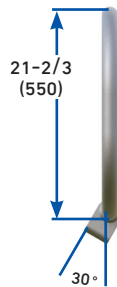
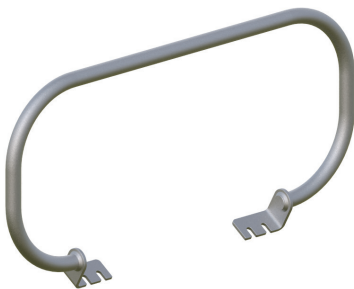
Catalog Number: CR-012



Component	Material
Corona Ring	Aluminum
Hardware	Aluminum
Approximate weight	6.9 lb (3.1 kg)

CORONA RING, TANGENT SUSPENSION

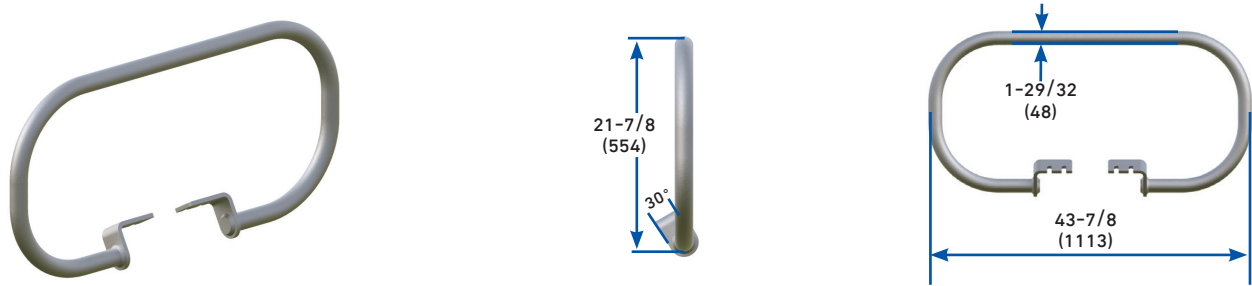
Catalog Number: CR-013



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	8.2 lb (3.7 kg)

CORONA RING, TANGENT SUSPENSION

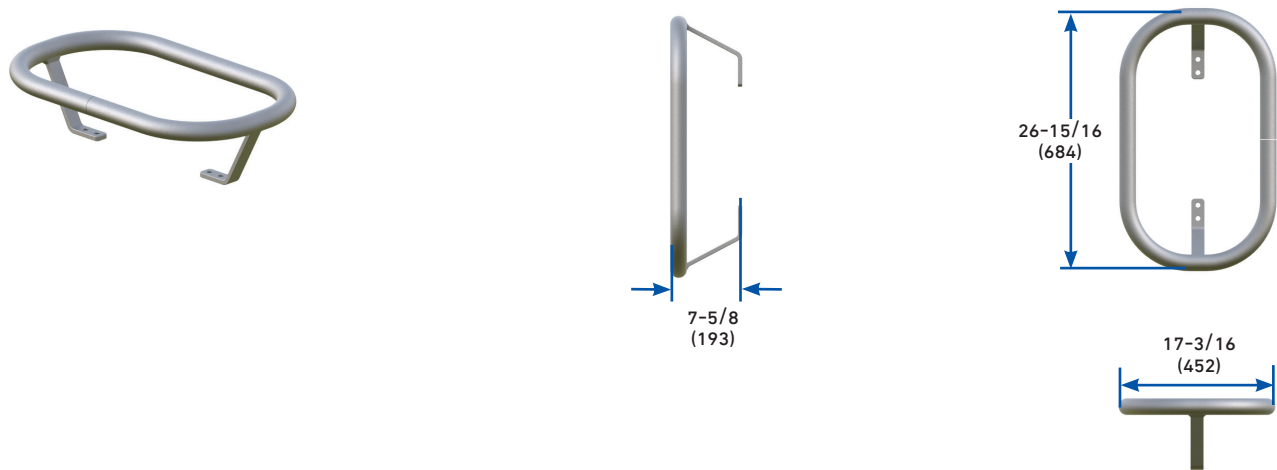
Catalog Number: CR-014



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	9.5 lb (4.3 kg)

CORONA RING, DEAD-END

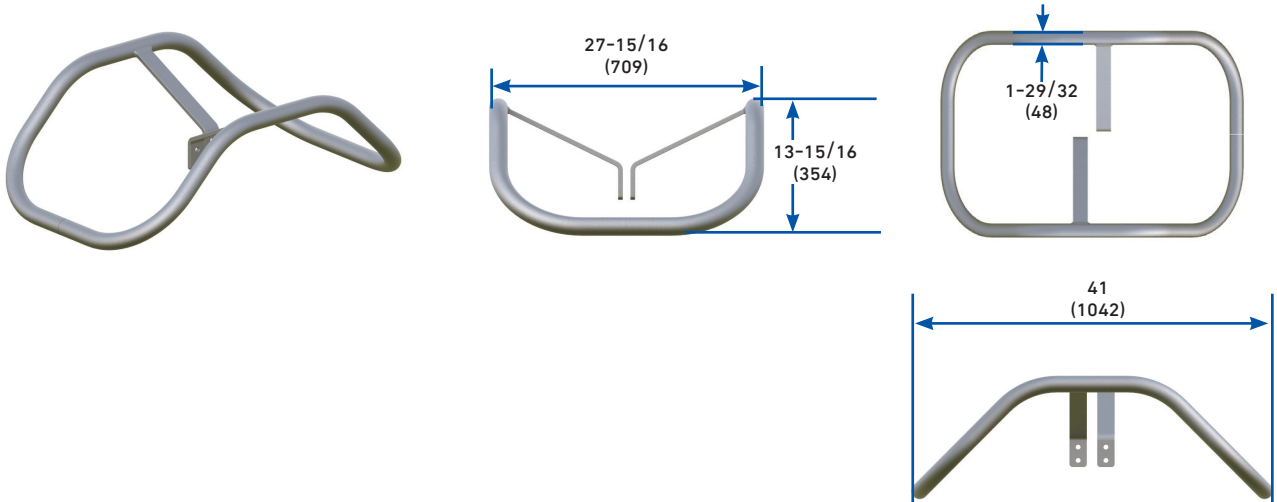
Catalog Number: CR-015



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	7.4 lb (3.4 kg)

CORONA RING, TANGENT SUSPENSION

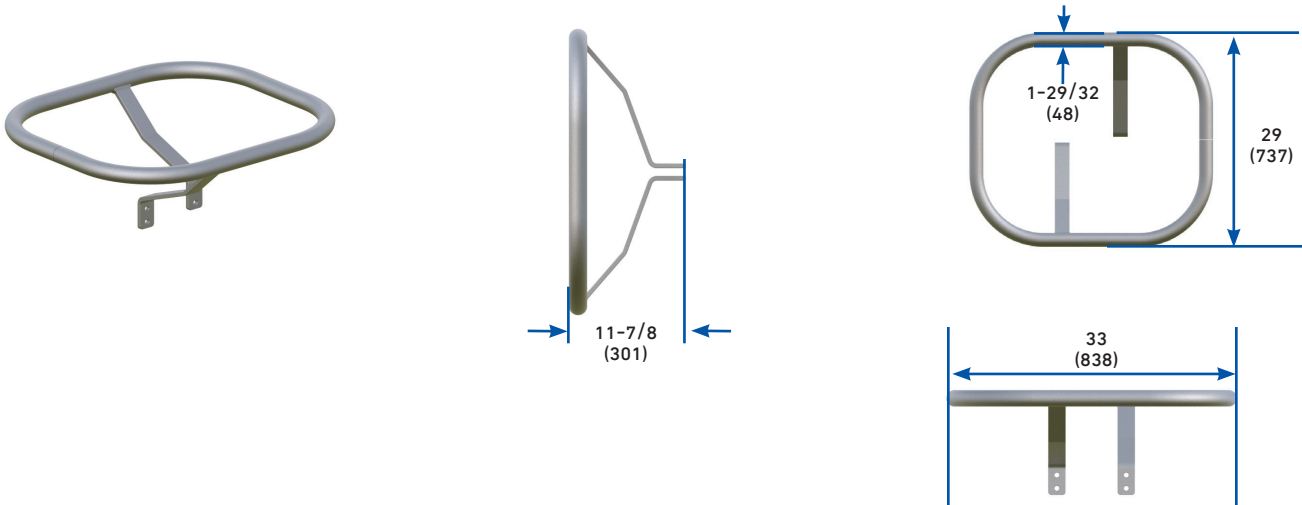
Catalog Number: CR-016



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	13.6 lb (6.2 kg)

CORONA RING, TANGENT SUSPENSION

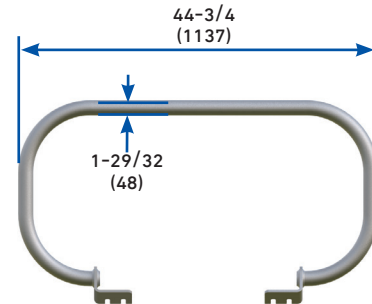
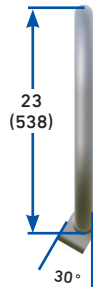
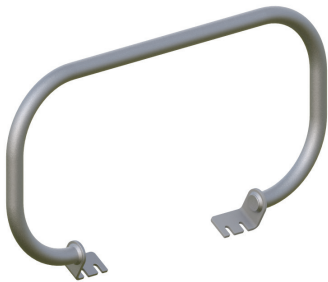
Catalog Number: CR-017



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	11.3 lb (5.1 kg)

CORONA RING, DEAD-END

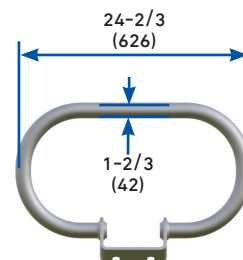
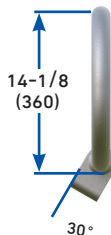
Catalog Number: CR-018



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	8.5 lb (3.9 kg)

CORONA RING, TANGENT SUSPENSION

Catalog Number: CR-022



Component	Material
Corona Ring	Aluminum
Hardware	Galvanized Steel
Approximate weight	4.9 lb (2.2 kg)



CUSHION-GRIP® JUMPER YOKE

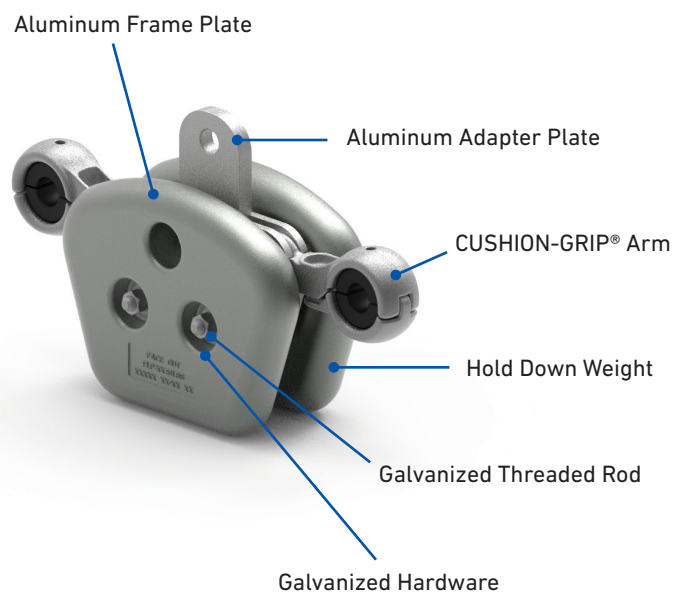
The **CUSHION-GRIP® Jumper Yoke** is designed for bundled conductor jumper applications where additional hold down weight may be necessary. The design utilizes elastomer cushioned arms that significantly reduce static and dynamic bending stresses on the conductors. Additionally, the CUSHION-GRIP Jumper Yoke is rated for both high voltage and high temperature applications.

FEATURES AND BENEFITS

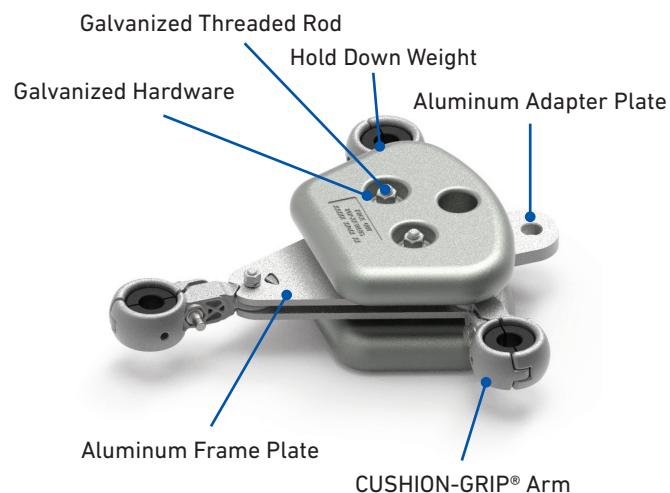
- Protects conductors by utilizing the same field-proven elastomer cushion found in the CUSHION-GRIP Spacer Damper and CUSHION-GRIP Twin Spacer
- Available for both twin-bundle and tri-bundle configurations
- Standard 18" conductor spacing (custom sub-conductor spacing is available upon request)
- Rated for up to 500 kV applications
- Rated for up to 250°C continuous operating temperatures
- Available for conductors ranging from 0.673" to 1.821" in diameter
- Available with additional hold down weight ranging from 0 to 500 lb

COMPONENTS

CUSHION-GRIP® Jumper Yoke Twin-Bundle

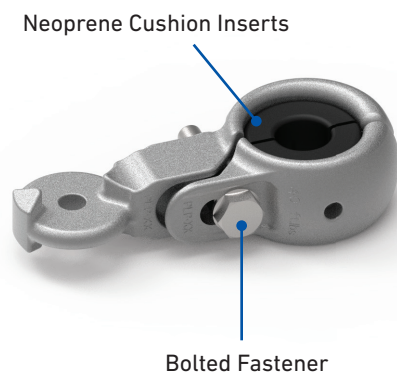


CUSHION-GRIP® Jumper Yoke Tri-Bundle

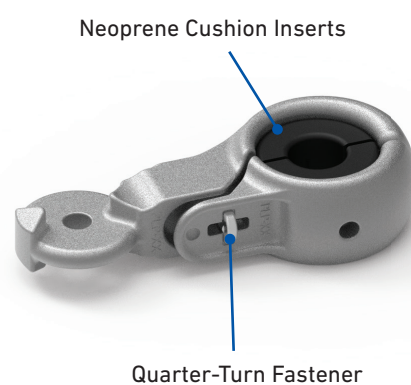


CUSHION-GRIP® Jumper Yoke Arm Types

Bolted Arm



Quarter-Turn Arm





ORDERING INFORMATION

• Select the appropriate **CUSHION-GRIP® Jumper Yoke** based on the conductor bundle, arm type, conductor diameter, and weight.

• **Part Number Convention: CGJY-AXXBHT-YYY**

• **Where:**

A - conductor bundle: 2 for twin-bundle, 3 for tri-bundle

B - optional for bolted arm; quarter-turn arm is standard

XX - conductor diameter range from the table below

YYY - weight in 50 lb increments, up to 500 lb (includes all necessary hardware for attachment)

NOTES

- For configurations where no weight is needed or will be ordered separately "YYY" is "N"

- Include "-EN" at the end of part number to include eye nuts for lifting

• **Examples:**

- CGJY-235HT-200 is for 1.346" to 1.382" conductor with 200 lb of weight added

- CGJY-240HT-N is for 1.540" to 1.579" conductor with no weight added

- CGJY-237HT-400-EN is for 1.422" to 1.461" conductor with 400 lb of weight added and (2) lifting eye nuts

CUSHION-GRIP® Jumper Yoke

Part Number Ranges	
XX	Conductor Diameter
	in (mm)
18	0.673 - 0.713 (17.1 - 18)
19	0.714 - 0.752 (18.1 - 19)
20	0.753 - 0.791 (19.1 - 20)
21	0.792 - 0.831 (20.1 - 21)
22	0.832 - 0.870 (21.1 - 22)
23	0.871 - 0.909 (22.1 - 23)
24	0.910 - 0.949 (23.1 - 24)
25	0.950 - 0.988 (24.1 - 25)
26	0.989 - 1.028 (25.1 - 26)
27	1.029 - 1.067 (26.1 - 27)
28	1.068 - 1.106 (27.1 - 28)
29	1.107 - 1.146 (28.1 - 29)
30	1.147 - 1.185 (29.1 - 30)
31	1.186 - 1.224 (30.1 - 31)
32	1.225 - 1.264 (31.1 - 32)
33	1.265 - 1.303 (32.1 - 33)
34	1.304 - 1.345 (33.1 - 34)
35	1.346 - 1.382 (34.1 - 35)
36	1.383 - 1.421 (35.1 - 36)
37	1.422 - 1.461 (36.1 - 37)
38	1.462 - 1.500 (37.1 - 38)
39	1.501 - 1.539 (38.1 - 39)
40	1.540 - 1.579 (39.1 - 40)
41	1.580 - 1.618 (40.1 - 41)
42	1.619 - 1.657 (41.1 - 42)
43	1.658 - 1.697 (42.1 - 43)
44	1.698 - 1.736 (43.1 - 44)
45	1.737 - 1.776 (44.1 - 45)
46	1.777 - 1.821 (45.1 - 46)

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