

Quality products made in Norway for rough climatic situations

ALUMINIUM CROSS BARS

66-132kV

January 2025

ALUMINIUM CROSS BARS 66-132kV

USAGE

Aluminum crossbars have the same usage as crossbars made of wood or steel.

With various types of attachment, they can be mounted on all types of poles; wood, composite, aluminum and steel.

ANODIZED ALUMINIUM CROSSBARS AS STANDARD

All crossbars made by EL-tjeneste AS are anodized with a dark brown color, this helps corrosion resistance and make them less visible in surrounding environment. The color is UV resistant and reduces light reflection.

ANODIZING

By using the correct material in attached components, aluminum is the best alternative for use in crossbars. When exposed to air, aluminum will form a protective layer of oxide. This means that it is a well suited for material where cutting or drilling is needed. To further improve corrosion and wear resistance, anodizing will increase the thickness of the natural oxide layer.

Since the layer of oxide is an integrated part of the material, it can handle rougher use and is less prone for corrosion in harsh climate.

EL-tjeneste AS delivers anodized crossbars with a minimum thickness of 15my.

Some of the benefits of using anodized crossbars:

- Environmentally friendly, suitable for recycling.
- Corrosion resistance
- Esthetics
- Blends in with the surroundings

USE IN CORROSIVE ENVIROMENT

Special considerations must be taken when used in corrosive environment. Grease can prevent moisture between materials and connection points. See www.el-tjeneste.no for more information.













CROSSBAR ARRANGEMENT AND DATASHEET


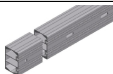


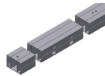



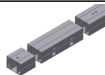
On our webpage www.el-tjeneste.no arrangement of the various crossbars, accessories and datasheet can be found. This can be downloaded and is useful during the projecting phase.












Each product has a label with a QR-code, this will lead to the product on the webpage.










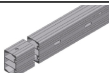


ALUMINIUM PRODUCTS USED IN POWER TRANSMISSION AND DISTRIBUTION

EL-tjeneste AS has delivered aluminum crossbars since 1996, they a have well proven durability. In Norway it has become the most common material for use in crossbars.

El-no	Name	Description	Unit	Picture
2836452	AL-Washer SA120-22	Washer length 120mm. Hole 1x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2837482	Anch. crossbar T3A-3030-34-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	
2837445	Anch. crossbar T3A-3030BH-3S	Anchoring crossbar for 3-pole. For overhead shield wires. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2836709	Anch. crossbar T3A-33-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836635	Anch. crossbar T3A-4545-42-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 420mm.	PCS	
2836780	Anch. crossbar T3A-4545-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2836800	Anch. crossbar T3A-4545BH-8S	Anchoring crossbar for two-sided connection. 3-pole For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2836440	Anch. crossbar T3A-4545D-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836444	Anch. crossbar T3A-4545D-42-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836417	Anch. crossbar T3A-4545D-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836671	Anch. crossbar T3A-5050D-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836655	Anch. crossbar T3A-5050D-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	

El-no	Name	Description	Unit	Picture
2836779	Anch. crossbar T3AFO-4545-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2836708	Anch. crossbar T3AO-33-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836788	Anch. crossbar T3AO-4545-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836785	Anch. crossbar T3AO-4545-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2836798	Anch. crossbar T3AO-4545D-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836483	Anch. crossbar T3AO-5050-42-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar included fasteners and support brackets for the middle pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 420mm.	PCS	
2836786	Anch. crossbar T3AO-5050-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2837444	Anch. crossbar T3AO-5050D-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 5m, phase distance 5m. Oblong hole distance 340mm.	PCS	
2836799	Anch. crossbar T3AO-5050D-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Two-piece crossbar with fasteners for the middle pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	

















El-no	Name	Description	Unit	Picture
2837499	Anch. crossbar T3AOE-3030-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	
2857847	Anch. crossbar T3AOE-3030BH-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2851775	Anch. crossbar T3AOE-4545-34-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 340mm.	PCS	
2836456	Anch. crossbar T3AOE-4545-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 340mm.	PCS	
2836443	Anch. crossbar T3AOE-4545-42-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 420mm.	PCS	
2857828	Anch. crossbar T3AOE-4545BH-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4.5m, phase distance 4.5m. Must always be used with support. Bolted connection M24.	PCS	
2837421	Anch. crossbar T3AOE-4545BH-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2836438	Anch. crossbar T3AOE-4545D-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836439	Anch. crossbar T3AOE-4545D-42-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836431	Anch. crossbar T3AOE-4545D-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2837427	Anch. crossbar T3AOE-5050-34-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Oblong hole distance 340mm.	PCS	


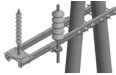














El-no	Name	Description	Unit	Picture
2836413	Anch. crossbar T3AOE-5050-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2837414	Anch. crossbar T3AOE-5050BH-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2836458	Anch. crossbar T3AOE-5050D-50-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	
2836460	Anch. crossbar T3AOE-5050D-58-7S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 580mm.	PCS	
2836459	Anch. crossbar T3AOE-5050D-58-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 580mm.	PCS	
2836457	Anch. crossbar T3AOE-5050D-8S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2837446	Anch. crossbar TA3030-34-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	
2837495	Anch. crossbar TA3030BH-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2837447	Anch. crossbar TA3030BH-8S	Anchoring crossbar for H-pole. Pole distance 3m, phase distance 3m. Must always be used with support bracket. Bolted connection M24.	PCS	
2836703	Anch. crossbar TA33-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836711	Anch. crossbar TA33-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836415	Anch. crossbar TA33D-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Twin pole clamp. Oblong hole distance 280mm.	PCS	



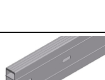

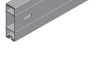
El-no	Name	Description	Unit	Picture
2836490	Anch. crossbar TA4545-34-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 340mm.	PCS	
2857854	Anch. crossbar TA4545-34-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 340mm.	PCS	
2836699	Anch. crossbar TA4545-34-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 340mm.	PCS	
2836717	Anch. crossbar TA4545-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2857855	Anch. crossbar TA4545-42-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 420mm.	PCS	
2836489	Anch. crossbar TA4545-50-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 500mm.	PCS	
2836492	Anch. crossbar TA4545-50-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 500mm.	PCS	
2836493	Anch. crossbar TA4545-58-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 580mm.	PCS	
2836718	Anch. crossbar TA4545-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836728	Anch. crossbar TA4545-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2837458	Anch. crossbar TA4545BH-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2837498	Anch. crossbar TA4545BH-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2836765	Anch. crossbar TA4545D-3S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836429	Anch. crossbar TA4545D-42-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	

El-no	Name	Description	Unit	Picture
2836766	Anch. crossbar TA4545D-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836767	Anch. crossbar TA4545D-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836405	Anch. crossbar TA5050-34-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 340mm.	PCS	
2836401	Anch. crossbar TA5050-34-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 340mm.	PCS	
2836421	Anch. crossbar TA5050-42-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 420mm.	PCS	
2836726	Anch. crossbar TA5050-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836729	Anch. crossbar TA5050-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 280mm.	PCS	
2837404	Anch. crossbar TA5050BH-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2837402	Anch. crossbar TA5050BH-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2836678	Anch. crossbar TA5050D-34-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836649	Anch. crossbar TA5050D-34-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836650	Anch. crossbar TA5050D-42-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836462	Anch. crossbar TA5050D-50-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	
2836673	Anch. crossbar TA5050D-50-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	

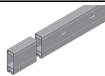











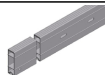
El-no	Name	Description	Unit	Picture
2836463	Anch. crossbar TA5050D-58-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 580mm.	PCS	
2836461	Anch. crossbar TA5050D-58-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 580mm.	PCS	
2836773	Anch. crossbar TA5050D-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836774	Anch. crossbar TA5050D-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2837481	Anch. crossbar TAF3030D-34-7S	Anchoring crossbar for one-sided and two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836704	Anch. crossbar TAF33-7S	Anchoring crossbar for one-sided and two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836761	Anch. crossbar TAF33D-7S	Anchoring crossbar for one-sided and two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2837403	Anch. crossbar TAS5050BH-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2836651	Anch. crossbar TAS5050D-34-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836652	Anch. crossbar TAS5050D-42-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836674	Anch. crossbar TAS5050D-50-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	
2836608	Anch. crossbar TAS5050D-7S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2837483	Anch. rossbar TA3030-34-8S	Anchoring crossbar for two-sided connection. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	

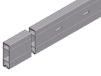




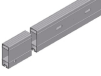
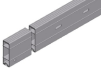
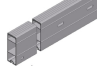
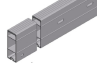
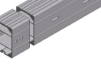
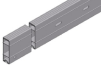
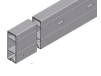
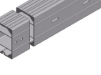
El-no	Name	Description	Unit	Picture
2837720	Anch.crossbar T3AFO-3030-34-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	
2837721	Anch.crossbar T3AO-3030D-34-3S	Anchoring crossbar for two-sided connection. 3-pole. For overhead shield wires and face wire loop. Pole distance 3m, phase distance 3m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836738	Angle brace VB	Angle brace for crossbar T3V, profile P4 and P5	SET	
2836660	Antiskid SKK-1-24	Antiskid for poles. 1xM24.	PCS	
2836658	Antiskid SKK-2-20	Antiskid for poles. 2xM20.	PCS	
2836455	Antiskid SKK-2-24	Antiskid for poles. 2xM24.	PCS	
2837752	Arr. for surge arresters SB132AD-60	Arrangement for surge arresters 132kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø60-84.	PCS	
2837762	Arr. for surge arresters SB132AD-75	Arrangement for surge arresters 132kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø75-100.	PCS	
2837747	Arr. for surge arresters SB132AE-60	Arrangement for surge arresters 132kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable ø60-84.	PCS	
2837754	Arr. for surge arresters SB132AE-75	Arrangement for surge arresters 132kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable ø75-100.	PCS	
2837745	Arr. for surge arresters SB66AD-22	Arrangement for surge arresters 66kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø22-42.	PCS	
2837759	Arr. for surge arresters SB66AD-42	Arrangement for surge arresters 66kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø42-60.	PCS	
2837760	Arr. for surge arresters SB66AD-60	Arrangement for surge arresters 66kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø60-84.	PCS	
2837761	Arr. for surge arresters SB66AD-75	Arrangement for surge arresters 66kV. For 3 poles. Two-sided. A-wood poles 1-5, height 13m. Cable ø75-100.	PCS	
2837746	Arr. for surge arresters SB66AE-22	Arrangement for surge arresters 66kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable ø22-42.	PCS	
2837756	Arr. for surge arresters SB66AE-42	Arrangement for surge arresters 66kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable ø42-60.	PCS	

El-no	Name	Description	Unit	Picture
2837757	Arr. for surge arresters SB66AE-60	Arrangement for surge arresters 66kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable 60-84.	PCS	
2837758	Arr. for surge arresters SB66AE-75	Arrangement for surge arresters 66kV. For 3 poles. One-sided. A-wood poles 1-5, height 13m. Cable ø75-100.	PCS	
2836434	Arrester bracket AFE66-127-4x16	For mounting of arrester or insulator on pole. Mounting horizontal with 2 pole clamps. Pole-diameter 240-330mm. Arrester/insulator hole pattern is Ø127, 4xM16. Other hole pattern on request.	PCS	
2836448	Counter nut PAL-M20 VF DIN7967	Self locking counter nut to secure nuts. These are made of spring-like steel and is a better alternative than using regular nuts as counter nut.	PCS	
2836447	Counter nut PAL-M24 VF DIN7967	Self locking counter nut to secure nuts. These are made of spring-like steel and is a better alternative than using regular nuts as counter nut.	PCS	
2836409	Crossbar support ST107-34	Support for crossbar width 107mm. Oblong hole distance 340mm.	PCS	
2836442	Crossbar support ST107-42	Support for crossbar width 107mm. Oblong hole distance 420mm.	PCS	
2836445	Crossbar support ST107-50	Support for crossbar width 107mm. Oblong hole distance 500mm.	PCS	
2836746	Crossbar support ST107S	Support for crossbar width 107mm. Oblong hole distance 280mm.	PCS	
2836407	Crossbar support ST160-34	Support for crossbar width 160mm. Oblong hole distance 340mm. Always to be used with crossbar profile 7 (160x230).	PCS	
2836427	Crossbar support ST160-42	Support for crossbar width 160mm. Oblong hole distance 420mm. Always to be used with crossbar profile 7 (160x230).	PCS	
2836428	Crossbar support ST160-50	Support for crossbar width 160mm. Oblong hole distance 500mm. Always to be used with crossbar profile 7 (160x230).	PCS	
2836494	Crossbar support ST160-58	Support for crossbar width 160mm. Oblong hole distance 580mm. Always to be used with crossbar profile 7 (160x230).	PCS	
2836732	Crossbar support ST160S	Support for crossbar width 160mm. Oblong hole distance 580mm. Always to be used with crossbar profile 7 (160x230).	PCS	
2836408	Crossbar support ST230-34	Support for crossbar width 230mm. Oblong hole distance 340mm. Always to be used with crossbar profile 7 (230x160).	PCS	
2836425	Crossbar support ST230-42	Support for crossbar width 230mm. Oblong hole distance 420mm. Always to be used with crossbar profile 7 (230x160).	PCS	

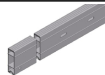
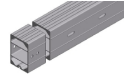
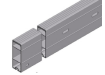
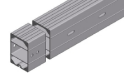
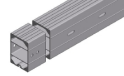
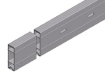
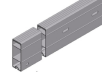
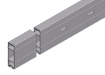
El-no	Name	Description	Unit	Picture
2836426	Crossbar support ST230-50	Support for crossbar width 230mm. Oblong hole distance 500mm. Always to be used with crossbar profile 7 (230x160).	PCS	
2836745	Crossbar support ST230S	Support for crossbar width 230mm. Oblong hole distance 280mm. Always to be used with crossbar profile 7 (230x160).	PCS	
2836406	Crossbar support ST83-34	Support for crossbar width 83mm. Oblong hole distance 340mm.	PCS	
2836424	crossbar support ST83-42	Support for crossbar width 83mm. Oblong hole distance 420mm.	PCS	
2836411	crossbar support ST83-50	Support for crossbar width 83mm. Oblong hole distance 500mm.	PCS	
2837476	Crossbar support ST83-P2	Support for crossbar width 83mm Space for washer (SA1) and bolt Hole distance 280mm	PCS	
2836739	crossbar support ST83S	Support for crossbar width 83mm. Oblong hole distance 280mm.	PCS	
2836657	Crossbar T2-50-42-5S	Crossbar for pole top (H). Pole distance 2m, phase distance 5m Oblong hole distance 420mm.	PCS	
2836656	Crossbar T2-50-5S	Crossbar for pole top (H). Pole distance 5m, phase distance 5m Oblong hole distance 280mm.	PCS	
2837420	Crossbar T3-3030BH-5S	Crossbar for three poles. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2836707	Crossbar T3-33-4S	Crossbar for pole top (3E/3A). Pole distance 3m, phase distance 5m Oblong hole distance 280mm.	PCS	
2836721	Crossbar T3-4545-5S	Crossbar for pole top (3E/3A). Pole distance 4,5m, phase distance 4,5m Oblong hole distance 280mm.	PCS	
2836727	Crossbar T3-5050-5S	Crossbar for pole top (3E/3A). Pole distance 5m, phase distance 5m Oblong hole distance 280mm.	PCS	
2837417	Crossbar T3-5050D-5S	Crossbar for pole top (3E/3A). Pole distance 5m, phase distance 5m Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836705	Crossbar T30-33-4S	Crossbar for face wire loop (3E/3A). Pole distance 3m, phase distance 3m Oblong hole distance 280mm.	PCS	
2836719	Crossbar T30-4545-5S	Crossbar for face wire loop (3E/3A). Two-piece crossbar with fasteners for the middle pole. Pole distance 4,5m, phase distance 4,5m Oblong hole distance 280mm.	PCS	

El-no	Name	Description	Unit	Picture
2836720	Crossbar T3O-5050-5S	Crossbar for face wire loop (3E/3A). Two-piece crossbar with fasteners for the middle pole. Pole distance 5m, phase distance 5m Oblong hole distance 280mm.	PCS	
2837479	Crossbar T3OE-3030-34-4S	Crossbar for face wire loop (3E/3A). Pole distance 3m, phase distance 3m Oblong hole distance 340mm.	PCS	
2837480	Crossbar T3OE-3030-42-4S	Crossbar for face wire loop (3E/3A). Pole distance 3m, phase distance 3m Oblong hole distance 420mm.	PCS	
2836422	Crossbar T3OE-4545-5S	Crossbar for face wire loop (3E/3A). Pole distance 4,5m, phase distance 4,5m Oblong hole distance 280mm.	PCS	
2857829	Crossbar T3OE-4545BH-5S	Crossbar for face wire loop (3E/3A). Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2836441	Crossbar T3OE-4545D-34-5S	Crossbar for face wire loop (3E/3A). Pole distance 4,5m, phase distance 4,5m Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836416	Crossbar T3OE-4545D-5S	Crossbar for face wire loop (3E/3A). Pole distance 4,5m, phase distance 4,5m Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836653	Crossbar T3OE-5050-34-5S	Crossbar for face wire loop (3E/3A). Pole distance 5m, phase distance 5m Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836675	Crossbar T3OE-5050-42-5S	Crossbar for face wire loop (3E/3A). Pole distance 5m, phase distance 5m Oblong hole distance 420mm.	PCS	
2836676	Crossbar T3OE-5050-50-5S	Crossbar for face wire loop (3E/3A). Pole distance 5m, phase distance 5m Oblong hole distance 500mm.	PCS	
2836712	Crossbar T3OE-5050-5S	Crossbar for face wire loop (3E/3A). Pole distance 5m, phase distance 5m Oblong hole distance 280mm.	PCS	
2837409	Crossbar T3OE-5050BH-5S	Crossbar for face wire loop (3E/3A). Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2836706	Crossbar T3V-33-4S	Crossbar angle (3E/3A). Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836713	Crossbar T3V-4545-5S	Crossbar angle (3E/3A). Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
















El-no	Name	Description	Unit	Picture
2836714	Crossbar T3V-5050-5S	Crossbar angle (3E/3A). Pole distance 5m, phase distance 5m. Oblong hole distance 280mm.	PCS	
2836836	Earthing clamp J10	Earthing clamp M10. Fits all crossbars with M10 profile tracks. For all crossbars except cable cross bars.	PCS	
2836837	Earthing clamp J10V	Earthing clamp M10 90-degree. For all crossbars except cable cross bars. For earth wire KHF25-50.	PCS	
2836467	Fastening angle FVT-P5	Fastening angle for crossbar with aluminium profile P5. For mounting crossbar on top of top bracket TFK1-5.	PCS	
2836466	Fastening angle FVT-P8	Fastening angle for crossbar with aluminium profile P8. For mounting crossbar on top of top bracket TFK1-5.	PCS	
2857845	Flag F65-20-3	Flag with 3 holes Accessories for phase/wire brackets	PCS	
2836808	Insulator bracket PF160	Insulator bracket for crossbars 160x160mm. With fasteners.	PCS	
2836852	Insulator bracket PF160-P3	Insulator bracket for crossbars 160x107mm. With fasteners.	PCS	
2857856	Insulator bracket FAS230-127-4x16	Insulator bracket. For crossbar P7, width 230mm. For mounting of overvoltage surge arrester or insulator onto crossbar. Hole pattern is $\varnothing 127$, 4xM16. Other hole pattern on request.	PCS	
2837429	Insulator bracket FAS107-127-4x16	Insulator bracket. For crossbar P3, width 107mm. For mounting of overvoltage surge arrester or insulator onto crossbar. Hole pattern is $\varnothing 127$, 4xM16. Other hole pattern on request.	PCS	
2857852	Insulator bracket FAS160-127-4x16	Insulator bracket. For crossbar P8, width 160mm. For mounting of overvoltage surge arrester or insulator onto crossbar. Hole pattern $\varnothing 127$, 4xM16. Other hole pattern on request.	PCS	
2857851	Insulator bracket FAS65-127-4x16	Insulator bracket. For crossbar P5, width 65mm. For mounting of overvoltage surge arrester or insulator onto crossbar. Hole pattern is $\varnothing 127$, 4xM16. Other hole pattern on request.	PCS	
2837439	Load-bearing crossbar T3030-34-5S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 340mm.	PCS	

















El-no	Name	Description	Unit	Picture
2837478	Load-bearing crossbar T3030-42-5S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 420mm.	PCS	
2837487	Load-bearing crossbar T3030BH-4S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2857846	Load-bearing crossbar T3030BH-5S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2857864	Load-bearing crossbar T3030BH-6S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2857865	Load-bearing crossbar T3030BH-9S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Must always be used with support. Bolted connection M24.	PCS	
2836700	Load-bearing crossbar T33-4S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836701	Load-bearing crossbar T33-5S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836702	Load-bearing crossbar T33-6S	Load-bearing crossbar. 2-pole. Pole distance 3m, phase distance 3m. Oblong hole distance 280mm.	PCS	
2836482	Load-bearing crossbar T4545-34-6S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 340mm.	PCS	
2857853	Load-bearing crossbar T4545-34-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 340mm.	PCS	
2836698	Load-bearing crossbar T4545-34-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 340mm.	PCS	
2836486	Load-bearing crossbar T4545-42-6S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 420mm.	PCS	
2836488	Load-bearing crossbar T4545-42-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 420mm.	PCS	


















El-no	Name	Description	Unit	Picture
2836491	Load-bearing crossbar T4545-42-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 420mm.	PCS	
2836487	Load-bearing crossbar T4545-50-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 500mm.	PCS	
2836715	Load-bearing crossbar T4545-5S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2836716	Load-bearing crossbar T4545-6S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2836722	Load-bearing crossbar T4545-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836783	Load-bearing crossbar T4545-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Oblong hole distance 280mm.	PCS	
2837486	Load-bearing crossbar T4545BH-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. Bolted connection M24.	PCS	
2836697	Load-bearing crossbar T4545D-34-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836762	Load-bearing crossbar T4545D-5S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836763	Load-bearing crossbar T4545D-6S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836764	Load-bearing crossbar T4545D-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836768	Load-bearing crossbar T4545D-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836776	Load-bearing crossbar T4545V-5S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. For angle suspension. Oblong hole distance 280mm.	PCS	
2836777	Load-bearing crossbar T4545V-6S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. For angle suspension. Oblong hole distance 280mm.	PCS	












El-no	Name	Description	Unit	Picture
2836778	Load-bearing crossbar T4545V-7S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. Must always be used with support. For angle suspension. Oblong hole distance 280mm.	PCS	
2836414	Load-bearing crossbar T4545V-9S	Load-bearing crossbar. 2-pole. Pole distance 4,5m, phase distance 4,5m. For angle suspension. Oblong hole distance 280mm.	PCS	
2837411	Load-bearing crossbar T5050-34-5S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 340mm.	PCS	
2836404	Load-bearing crossbar T5050-34-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 340mm.	PCS	
2836418	Load-bearing crossbar T5050-34-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 340mm.	PCS	
2837412	Load-bearing crossbar T5050-42-5S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 420mm.	PCS	
2837413	Load-bearing crossbar T5050-42-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 420mm.	PCS	
2836419	Load-bearing crossbar T5050-42-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 420mm.	PCS	
2836420	Load-bearing crossbar T5050-50-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 420mm.	PCS	
2836723	Load-bearing crossbar T5050-5S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 280mm.	PCS	
2836724	Load-bearing crossbar T5050-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 280mm.	PCS	
2836725	Load-bearing crossbar T5050-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Oblong hole distance 280mm.	PCS	
2836784	Load-bearing crossbar T5050-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Oblong hole distance 280mm.	PCS	






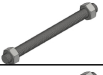
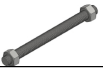


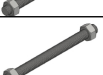
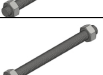
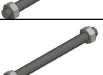
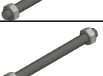
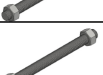

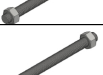
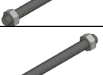
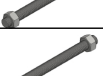
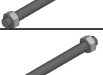


El-no	Name	Description	Unit	Picture
2837401	Load-bearing crossbar T5050BH-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2837400	Load-bearing crossbar T5050BH-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Must always be used with support. Bolted connection M24.	PCS	
2836809	Load-bearing crossbar T5050D-34-5S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836400	Load-bearing crossbar T5050D-34-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836646	Load-bearing crossbar T5050D-34-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836644	Load-bearing crossbar T5050D-34-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 340mm.	PCS	
2836430	Load-bearing crossbar T5050D-42-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836647	Load-bearing crossbar T5050D-42-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836645	Load-bearing crossbar T5050D-42-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 420mm.	PCS	
2836648	Load-bearing crossbar T5050D-50-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	
2836670	Load-bearing crossbar T5050D-50-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 500mm.	PCS	
2836775	Load-bearing crossbar T5050D-5S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836770	Load-bearing crossbar T5050D-6S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836771	Load-bearing crossbar T5050D-7S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	
2836772	Load-bearing crossbar T5050D-9S	Load-bearing crossbar. 2-pole. Pole distance 5m, phase distance 5m. Twin pole clamp. Oblong hole distance 280mm.	PCS	

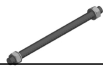
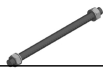
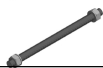















El-no	Name	Description	Unit	Picture
2857858	Phase bracet F160TO	Anchor bracket for steep line route. Two-sided. For crossbar P7, width 160. Unit set of 3.	SET	
2836862	Phase bracket B107E	Phase stirrup bracket one-sided anchor. Suits crossbar P3, width 107. Unit set of 3.	SET	
2836866	Phase bracket B107EA	Phase stirrup bracket one-sided. Suits crossbar TFA1S. Unit set of 3.	SET	
2836863	Phase bracket B107T	Phase stirrup bracket two-sided anchor. Suits crossbar P3, width 107. Unit set of 3.	SET	
2836865	Phase bracket B107TA	Phase stirrup bracket two-sided. Suits crossbar P1, width 107. Unit set of 3.	SET	
2836864	Phase bracket B120TA	Phase stirrup bracket two-sided. Suits crossbar P2, width 120. Unit set of 3.	SET	
2836847	Phase bracket B160-8E	Phase stirrup bracket one-sided. Suits crossbar P3, P8, width 160. Unit set of 3.	SET	
2836851	Phase bracket B160-8T	Phase stirrup bracket two-sided. Suits crossbar P3, P8, width 160.	SET	
2836743	Phase bracket B160T2	Phase stirrup bracket two-sided for toppline. Suits crossbar P3, P8, width 160. Unit set of 2.	SET	
2836860	Phase bracket B80E	Phase stirrup bracket one-sided. Suits crossbar P2, width 80. Unit set of 3.	SET	
2836861	Phase bracket B80T	Phase stirrup bracket two-sided. Suits crossbar P2, width 80. Unit set of 3.	SET	
2836867	Phase bracket BE80T	Phase stirrup bracket two-sided with pole clamp. Suits crossbar TFE6S. Unit set of 3.	SET	
2836730	Phase bracket BH65	Phase stirrup bracket. For crossbar P4, P5, width 65. Unit set of 3.	SET	
2836747	Phase bracket F160-3TA	Phase bracket two-sided. For crossbar P3 width 160. Unit set of 3.	SET	
2836733	Phase bracket F160-8E	anchorsfeste one-sided. For crossbar P8, width 160. Unit set of 3.	SET	
















El-no	Name	Description	Unit	Picture
2836640	Phase bracket F160-8E2	anchorsfeste one-sided. For crossbar P8, width 160. Unit set of 2.	SET	
2836749	Phase bracket F160-8TA	Phase bracket two-sided. For crossbar P8, width 160. Unit set of 3.	SET	
2836735	Phase bracket F160T	Anchor bracket . two-sided. For crossbar P7, width 160. Unit set of 3.	SET	
2836797	Phase bracket F160T2	Phase bracket . two-sided. For crossbar P7, width 160. Unit set of 2.	SET	
2836412	Phase bracket F230E	Phase bracket . one-sided. For crossbar P7, width 230. Unit set of 3.	SET	
2836609	Phase bracket F230T	Phase bracket . two-sided. For crossbar P7, width 230. Unit set of 3.	SET	
2836615	Phase bracket FFK1-5	Phase bracket for A-pole 1:5 angle ratio. Distance upper holes: 847mm. For 1 pole. Delivered with square washers without bolts.	PCS	
2837442	Phase bracket FFK1-5-530	Phase bracket for A-pole 1:5 angle ratio. Distance upper holes: 530mm. For 1 pole. Delivered with square washers without bolts.	PCS	
2836742	Phase bracket FH160E	Phase bracket . For crossbar P7, width 160. Unit set of 3.	SET	
2836740	Phase bracket FH65	Phase bracket. For crossbar P4, P5, width 65. Unit set of 3.	SET	
2836741	Phase bracket FH83	Phase bracket . For crossbar P6, width 83. Unit set of 3.	SET	
2836781	Phase bracket FH95	Phase bracket. For crossbar P9, width 95. Unit set of 3.	SET	
2836789	Phase bracket FHO160	Phase bracket for omførings-isolator. For crossbar height max 170mm and bolt M20. Unit set of 3.	SET	
2836744	Phase/wire bracket FB160	Phase/wire bracket two-sided. With bolts M20 and bolt distance 182-218mm.	PCS	
2836748	Phase/wire bracket FB200	Phase/wire bracket two-sided. With bolts M24 and bolt distance 182-218mm.	PCS	
2837474	Phase/wire bracket FB200-3T	Phase/wire bracket two-sided with 3 wire holes. With bolts M24 and bolt distance 182-218mm.	PCS	

El-no	Name	Description	Unit	Picture
2836755	Phase/wire bracket FBV20	Phase/wire bracket for an angle of 0-20.	PCS	
2837426	Phase/wire bracket FBV20-5B	Phase/wire bracket for an angle of 0-20. 5 bolts towards the pole.	PCS	
2836756	Phase/wire bracket FBV40	Phase/wire bracket for an angle of 20-40.	PCS	
2837423	Phase/wire bracket FBV40-5B	Phase/wire bracket for an angle of 20-40. 5 bolts towards the pole.	PCS	
2836757	Phase/wire bracket FBV60	Phase/wire bracket for an angle of 40-60.	PCS	
2837424	Phase/wire bracket FBV60-5B	Phase/wire bracket for an angle of 40-80. 5 bolts towards the pole.	PCS	
2836758	Phase/wire bracket FBV80	Phase/wire bracket for an angle of 60-80.	PCS	
2837425	Phase/wire bracket FBV80-5B	Phase/wire bracket for an angle of 60-80. 5 bolts towards the pole.	PCS	
2836613	Phase/wire bracket FFE160	Phase/wire bracket one-sided. With bolts M20 and bolt distance 182-218mm.	PCS	
2836484	Phase/wire bracket FFE200	Phase/wire bracket one-sided. With bolts M24 and bolt distance 182-218mm.	PCS	
2837475	Phase/wire bracket FFE200-3	Phase/wire bracket one-sided with 3 holes for wires. With bolts M24 and bolt distance 182-218mm.	PCS	
2836752	Pole clamp MK1624	Aluminum pole clamp with bolts M20x250. For pole diameter \varnothing 180-200. Selection table with regards to crossbar type and pole diameter is on our website.	PCS	
2836750	Pole clamp MK1630	Aluminium pole clamp with bolts M20x350. For pole diameter \varnothing 180-275. Selection table with regards to crossbar type and pole diameter is on our website.	PCS	
2836754	Pole clamp MK2432	Aluminium pole clamp with bolts M20x400. For pole diameter \varnothing 190-280. Selection table with regards to crossbar type and pole diameter is on our website.	PCS	
2836753	Pole clamp MK2433	Aluminium pole clamp with bolts M20x500. For pole diameter \varnothing 240-330. Selection table with regards to crossbar type and pole diameter is on our website.	PCS	
2836759	Pole clamp MK3337	Aluminium pole clamp with bolts M20x600. For pole diameter \varnothing 300-370. Selection table with regards to crossbar type and pole diameter is on our website.	PCS	
2836690	Pole clamp MKS2530	Steel pole clamp for pole diameter \varnothing 250-300mm. Hot-dip galvanzied. For boltsize M20. Bolts, nuts and washers not included. Selection table with regards to bolt length, crossbar type and pole diameter is on our website.	PCS	

El-no	Name	Description	Unit	Picture
2836691	Pole clamp MKS3035	Steel pole clamp for pole diameter \varnothing 300-350mm. Hot-dip galvanzied. For boltsize M20. Bolts, nuts and washers not included. Selection table with regards to bolt length, crossbar type and pole diameter is on our website.	PCS	
2836617	Pole clamp MKS3544	Steel pole clamp for pole diameter \varnothing 350-440mm. Hot-dip galvanzied. For boltsize M20. Bolts, nuts and washers not included. Selection table with regards to bolt length, crossbar type and pole diameter is on our website.	PCS	
2836618	Pole clamp MKS4453	Steel pole clamp for pole diameter \varnothing 440-530mm. Hot-dip galvanzied. For boltsize M20. Bolts, nuts and washers not included. Selection table with regards to bolt length, crossbar type and pole diameter is on our website.	PCS	
2836665	Pole clamp MKS5360	Steel pole clamp for pole diameter \varnothing 530-600mm. Hot-dip galvanzied. For boltsize M20. Bolts, nuts and washers not included. Selection table with regards to bolt length, crossbar type and pole diameter is on our website.	PCS	
2857863	Pole diagonal cross STK10	Pole diagonal cross for wood and composite poles. Pole distance: 1m. Fixing bracket 2x \varnothing 22mm. Fasteners not included.	PCS	
2836410	Pole diagonal cross STK17-20	Pole diagonal cross for wood and composite poles. Pole distance: 1,7m. Fixing bracket 4x \varnothing 26mm. Fasteners not included.	PCS	
2836616	Pole diagonal cross STK19	Pole diagonal cross for wood and composite poles. Pole distance: 1,9m. Fixing bracket 2x \varnothing 26mm. Fasteners not included.	PCS	
2836792	Pole diagonal cross STK20	Pole diagonal cross for wood and composite poles. Pole distance: 2m. Fixing bracket 2x \varnothing 22mm. Fasteners not included.	PCS	
2837441	Pole diagonal cross STK25	Pole diagonal cross for wood and composite poles. Pole distance: 2,5m. Fixing bracket 2x \varnothing 22mm. Fasteners not included.	PCS	
2836793	Pole diagonal cross STK30	Pole diagonal cross for wood and composite poles. Pole distance: 3m. Fixing bracket 2x \varnothing 26mm. Fasteners not included.	PCS	
2836666	Pole diagonal cross STK30-20	Pole diagonal cross for wood and composite poles. Pole distance: 3m. Fixing bracket 4x \varnothing 26mm. Fasteners not included.	PCS	

El-no	Name	Description	Unit	Picture
2836794	Pole diagonal cross STK45	Pole diagonal cross for wood and composite poles. Pole distance: 4,5m. Fixing bracket 2xØ26mm. Fasteners not included.	PCS	
2836681	Pole diagonal cross STK45-20	Pole diagonal cross for wood and composite poles. Pole distance: 4,5m. Fixing bracket 4xØ26mm. Fasteners not included.	PCS	
2836795	Pole diagonal cross STK50	Pole diagonal cross for wood and composite poles. Pole distance: 5m. Fixing bracket 2xØ26mm. Fasteners not included.	PCS	
2836643	Pole diagonal cross STK50-20	Pole diagonal cross for wood and composite poles. Pole distance: 5m. Fixing bracket 4xØ26mm. Fasteners not included.	PCS	
2836685	Stay wire adapter AB-FBV	Stay wire adapter for phase/wire bracket FBV.	PCS	
2836632	Stud bolt M20 GB1000	Stud bolt M20x1000 with nuts.	PCS	
2836620	Stud bolt M20 GB250	Stud bolt M20x250 with nuts.	PCS	
2836633	Stud bolt M20 GB250-SA	Stud bolt M20x250 with nuts, square washer and washer SA1.	PCS	
2836621	Stud bolt M20 GB300	Stud bolt M20x300 with nuts.	PCS	
2836622	Stud bolt M20 GB350	Stud bolt M20x350 with nuts.	PCS	
2836623	Stud bolt M20 GB400	Stud bolt M20x400 with nuts.	PCS	
2836624	Stud bolt M20 GB450	Stud bolt M20x450 with nuts.	PCS	
2836625	Stud bolt M20 GB500	Stud bolt M20x500 with nuts.	PCS	
2836626	Stud bolt M20 GB550	Stud bolt M20x550 with nuts.	PCS	
2836627	Stud bolt M20 GB600	Stud bolt M20x600 with nuts.	PCS	
2836628	Stud bolt M20 GB650	Stud bolt M20x650 with nuts.	PCS	
2836629	Stud bolt M20 GB700	Stud bolt M20x700 with nuts.	PCS	
2836630	Stud bolt M20 GB800	Stud bolt M20x800 with nuts.	PCS	
2836631	Stud bolt M20 GB900	Stud bolt M20x900 with nuts.	PCS	
2836476	Stud bolt M24 GB24-1000	Stud bolt M24x1000 with nuts and washers.	PCS	
2836469	Stud bolt M24 GB24-300	Stud bolt M24x300 with nuts and washers.	PCS	

El-no	Name	Description	Unit	Picture
2857838	Stud bolt M24 GB24-350	Stud bolt M24x350 with nuts and washers.	PCS	
2836470	Stud bolt M24 GB24-400	Stud bolt M24x400 with nuts and washers.	PCS	
2857839	Stud bolt M24 GB24-450	Stud bolt M24x450 with nuts and washers.	PCS	
2836471	Stud bolt M24 GB24-500	Stud bolt M24x500 with nuts and washers.	PCS	
2857840	Stud bolt M24 GB24-550	Stud bolt M24x550 with nuts and washers.	PCS	
2836472	Stud bolt M24 GB24-600	Stud bolt M24x600 with nuts and washers.	PCS	
2857841	Stud bolt M24 GB24-650	Stud bolt M24x650 with nuts and washers.	PCS	
2836473	Stud bolt M24 GB24-700	Stud bolt M24x700 with nuts and washers.	PCS	
2857842	Stud bolt M24 GB24-750	Stud bolt M24x750 with nuts and washers.	PCS	
2836474	Stud bolt M24 GB24-800	Stud bolt M24x800 with nuts and washers.	PCS	
2857843	Stud bolt M24 GB24-850	Stud bolt M24x850 with nuts and washers	PCS	
2836475	Stud bolt M24 GB24-900	Stud bolt M24x900 with nuts and washers.	PCS	
2857844	Stud bolt M24 GB24-950	Stud bolt M24x950 with nuts and washers	PCS	
2837435	Support bracket STB107	Support for bolted connection. For crossbar profile 3 (width 80mm).	PCS	
2837407	Support bracket STB160-P7	Support for bolted connection. For crossbar profile 7 (width 160mm).	PCS	
2837406	Support bracket STB160-P8	Support for bolted connection. For crossbar profile 8 (width 160mm).	PCS	
2837416	Support bracket STB65	Support for bolted connection. For crossbar profile 4 and 5 (width 65mm).	PCS	
2837415	Support bracket STB83	Support for bolted connection. For crossbar profile 6 (width 83mm).	PCS	
2837405	Support bracket STB95	Support for bolted connection. For crossbar profile 9 (width 95mm).	PCS	
2837748	Surge arrester crossbar TSH33-6	Surge arrester crossbar. 2-pole. Pole distance 3m, phase distance 3m. For bolts M12.	PCS	
2837422	Top bracket TFK1-5-275	Top bracket for pole \varnothing 220-275mm (1:5). Crossbar to be mounted on top.	PCS	
2836423	Top bracket TFK1-5-325	Top bracket for pole \varnothing 275-325mm (1:5). Crossbar to be mounted on top.	PCS	
2836468	Top bracket TFK1-5-390	Top bracket for pole \varnothing 325-390mm (1:5). Crossbar to be mounted on top.	PCS	

El-no	Name	Description	Unit	Picture
2836661	Top bracket TFKAS1-5	Top bracket for pole \varnothing 275-325mm (1:5). Crossbar to be mounted in front.	PCS	
2836791	Tower TTL	Tower for overhead shield. Load-bearing. Pole clamp and fasteners are not included.	PCS	
2836454	Tower TTL-A	Tower for overhead shield. Anchoring. Phase bracket included. Pole clamp and fasteners are not included.	PCS	
2836464	Turnbuckle SF20-18	Turnbuckle M20. Length 180mm.	PCS	
2836479	Washer SA146D	Washer length 146mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836669	Washer SA160-27	Washer length 143mm. Hole 1x \varnothing 27mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836828	Washer SA160DS	Washer length 143mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836829	Washer SA160S	Washer length 143mm. Hole 1x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836477	Washer SA175D	Washer length 175mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836478	Washer SA196D	Washer length 196mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836894	Washer SA1S	Washer length 80mm. Hole 1x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836815	Washer SA1S-27	Washer length 80mm. Hole 1x \varnothing 27mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836480	Washer SA211D	Washer length 211mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836481	Washer SA241D	Washer length 241mm. Hole 2x \varnothing 22mm. Important: always to be used to the crossbar together with pole clamp.	PCS	
2836790	Yoke FK7	Yoke intended for composite insulators where reinforcement is required. Adapted to all composite insulators with ball coupling and bolt. Delivered in sets of 3 pcs.	SET	







Norwegian quality and innovation

Quality products made in Norway for rough climatic situations

**Sales- and development
Trondheim**

Østre Rosten 84G
NO-7075 Tiller, NORWAY
Phone: +47 976 74 000
www.el-tjeneste.no
E-mail: info@eltjeneste.no

**Factory and warehouse,
Steinkjer**

Jæktsmedgata 4
NO-7725 Steinkjer, NORWAY
Phone: +47 976 74 000
Mail: info@eltjeneste.no