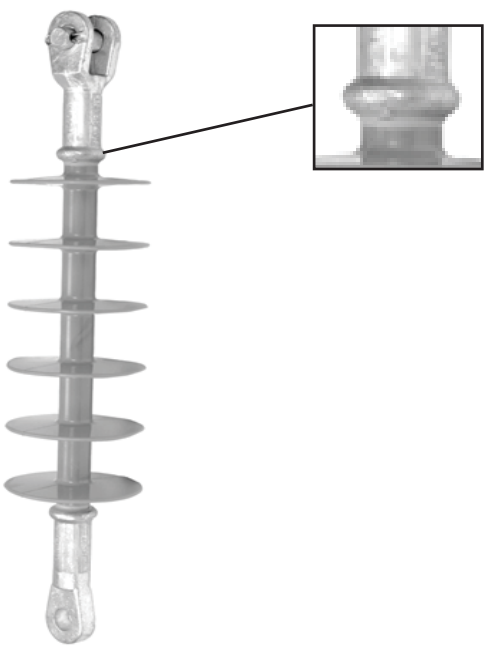
Silicone Insulators

Silicone Composite Insulators combine the technologies of a fiberglass reinforced rod, metal fittings and Salisbury's extensive knowledge of elastomeric insulation to produce a high quality composite insulator. Since 1980, thousands of silicone insulators have been installed by utilities worldwide in a variety of environments. Continued outstanding performance is proof of their superior quality and design

Design: Unibody Design insulators are one-piece injection molded directly to the rod and sealed to the end fittings with a bead of silicone to give the insulator high dielectric strength and protect it from all environmental conditions. This design is used for standard distribution dead end/suspension insulators

Fiberglass Rod: A high quality fiberglass reinforced rod is the core of every insulator with ultimate mechanical strength at least twice the maximum work load

End fittings: Standard distribution dead/end suspension units are supplied with clevis and tongue fittngs meeting ANSI C29 specifications. Ball, socket and eye fittings are also available. All are made of hot dipped galvanized high strength carbon steel and have an ultimate tensile strength rating of 15,000 pounds. All end fittings on dead/end suspension insulators are attached by compression. Every insulator is proof tested to verify the crimp



Unibody insulators have end fittings sealed with silicone to eliminate any possibility of moisture or contamination from reaching the fiberglass rod

INSULATOR SPECIFICATIONS					
Dimensions	Rated Voltage (kV)		15	25	35
	Section Length (mm)		345 ± 15	430 ± 35	525 ± 55
	Leakage Distance (mm)		430	640	850
	Minimum Arcing Distance (mm)		210	301	398
Electrical Ratings	Low Frequency Flashover	Dry	100	131	166
	Voltage Test (60 Hz) (kV)	Wet	82	111	138
	Critical Impulse Flashover	Positive	159	221	279
	Voltage Test (kV)	Negative	185	251	320
	Radio Influence Voltage Data (µV)	Max. Voltage	<1	<1	<1
Mechanical Ratings	Failing Load Test (KG)		>7000	>7000	>7000
	Number of Sheds		4	6	8

Salisbury by Honeywell

The SI series of silicone insulators features a silicone formulation weathershed material. Salisbury combined the excellent hydrophobic and electrical qualities of silicone with an optimum weathershed design and corrosion-resistant fiberglass rod to produce a state-of-the-art insulator which meets or exceeds industry requirements. The insulators were tested in accordance with ANSI C29 and IEC1109. End fittings are hot dipped galvanized high strength carbon steel, providing a 15,000 pound ultimate tensile strength. 100% proof testing ensures trouble-free installation. RUS accepted.

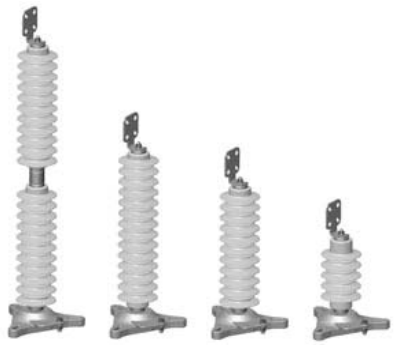
		9501U-SI	9502U-SI	9503U-SI
Class		DS-15	DS-28	DS-35
# of Weathersheds		4	6	8
Length (inches)		13.5	17.5	21.3
Dia. of Weathersheds (inches)		3.8	3.8	3.8
Leakage Distance (inches)		17.1	26	35.1
Dry Arc Distance (inches)		8.4	12.13	16
Flash Over Voltage	Critical impulse, Pos	173	217	258
	Critical Impulse, Neg	250	310	340
	Dry, 60 Hz	97	145	168
	Wet, 60 Hz	67	115	137
Radio Influence	Test, kV Ground	15	25	25
	Max RIV-1000KhZ µV	1	1	µV
Ultimate Strength	lb.	15,000	15,000	15,000
FRP Rod Dia. (inches)		.73	.73	.73
Typ. Appl-kV, 0-0		15	27	35
Net Weight ea. (lb.)		2.6	3.1	3.5

LTL Transformers

Equipment built for the electrical industry is made to last! We offer an extensive inventory of new and used transformers. Please call or email us; our Product Specialists will get you what you need.

Lightning Arresters

LTL carries a wide selection of distribution, station class and intermediate lightning arresters. Call LTL for more information.



S&C Omni-Rupter® Switches

Omni-Rupters provide long-life, high performance, no-external-arc circuit interruption, and are ideally suited for the following switching duties:

- Line switching, including sectionalizing and feeder switching
- Transformer switching
- Cable switching
- Omni-Rupter switches are rated 900 amperes continuous and interrupting in voltage ratings of 14.4kV and 25kV. These gang-operated interrupter switches are available in a number of mounting configurations to accommodate a wide variety of line configurations encountered on today's distribution systems

S&C Scada-Mate® Switching Systems

- Scada-Mate Switches are integer style three-pole, group-operated load interrupter switches available in voltage ratings of 14.4 kV through 34.5 kV. They're factory-assembled on a one-piece base and include an integral stored-energy operating mechanism. Circuit making and breaking are accomplished within sealed interrupters, in a controlled SF6 environment
- All functions — sensing, control, and communication — are provided in one economical, completely self-contained, fully tested, integrated package

S&C Fuses

- SM Power Fuses are especially suited for protecting transformers, capacitor banks, and cables in outdoor distribution substations through 34.5 kV. Their precision-engineered non-damageable silver or nickel-chrome fusible elements have time-current characteristics that are precise and permanently accurate - assuring not only dependable performance, but also continued reliability of system coordination plans
- With SM Power Fuses, source-side devices may be set for faster operation than practical with other power fuses or circuit breakers, thereby providing better system protection without compromising coordination
- SM-5, SMD-2C and SMU-40 are regularly stocked items. For all other fuses, please inquire with an LTL Product Specialist

SM Power Fuse

SMD Power Fuse

Dominion Cutout Fuses

- We also carry a wide variety of Dominion Cutout Fuses
- Regularly stocked items include the: EPF461B- 46 KV and EBF341B- 34.5 KV
- Contact an LTL Product Specialist for more information

ABB Cutout Fuses

- 15 kV cutout fuses

X1J CNN CA31	300 Amp
X1J CNN KA21	200 Amp
X1J CNN LM11	100 Amp

LTL TRUSTED SINCE 1958

Burndy

The WEJTAP™

- For electric utility distribution and transmission connections.

BURNDY®, a leading manufacturer of quality electrical connectors for over 70 years, introduces the WEJTAP™ SYSTEM, a system that adds further dimension to the existing BURNDY® group of proven, reliable connection systems.

WEJTAP™ COMPONENTS are designed to provide a reliable system connection. The system consists of WEJTAP™ connectors, installation tools (including a variety of hotline and lineman accessories) and a unique power-booster.

WEJTAP™ CONNECTORS use an aluminum alloy wedge that is power-driven between the run and the tap cables locking them into a "C" shaped tempered aluminum alloy spring-body. The spring-body maintains consistent pressure throughout the life of the connection to ensure reliability during severe electrical and climatic conditions. The wedge's wiping action combined with factory installed PENTX 1530 provides superior contact integrity. The wedge is automatically locked onto the spring-body by a skiving action produced by a lance at the forward end of the WEJTAP™ installation tool.

The WEJTAP™ TOOL is a one-piece assembly that consists of a head and power unit. Two colour-coded interchangeable heads accept all WEJTAP™ connectors and STIRRUP™. The design of the tool recognizes the need for simplicity and speed of operation as well as outstanding safety features such as automatic gas release vented away from the operator, fast simple breech loading and fast advance when engaging the connector assembly. No loose parts to drop or misplace and a booster ejection system that provides further safety to the operator. Fewer simplified hotline devices and handy lineman accessories complete an outstanding tool package.

The WEJTAP™ POWER-BOOSTER patented is a self-contained device that provides the force necessary to drive the wedge into direct contact with the conductors. The booster is activated only when properly positioned in the tool assembly. A power cell in the booster is recessed to guard against premature discharge. The tool/booster system is designed to activate and deactivate the booster automatically should the operator decide to remove the tool from a connector prior to completing the installation. The deactivated booster may be safely removed from the tool.

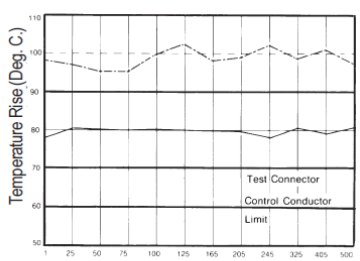
Features and Benefits

- Large conductor chamfer on ends of wedge
  - Instant hand or visual identification of large run grooves. Ensures correct wedge orientation
- Color-coded WEJTAP™ connector and booster packaged together
  - Easy selection by installer
- Factory coated grooves with PENTX 1530
  - Maintains low contact resistance, assists in protection against climatic conditions and is compatible with common insulations
- One-piece tool
  - No project delays due to dropped or lost parts
- Fewer and improved hotstick accessories
  - Simplifies hotline installation and saves time
- Contained booster ejection system
  -Safe for operator guards against the booster being ejected in direction of the installer
- Automatic gas release vented away from operator
  - Eliminates manual gas venting and improves safety
- Simplified loading
  - Speeds installation — no threads — just depress safety bar, twist and pull open — load — push and twist to close prior to applying connector
- Acme-type threads
  - Provides smooth, fast engagement of tool and connector — saves installer's time

WEJTAP™ AND TEST DATA

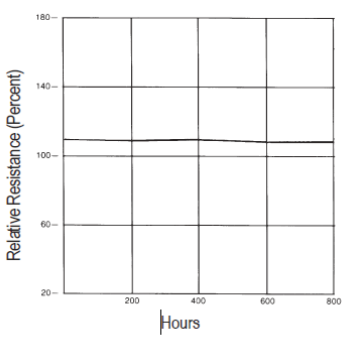
WEJTAP™ connectors have been subjected to extensive tests simulating the most severe service and weather conditions. In addition, the WEJTAP™ system meets or exceeds the industry standards of ANSI C119.4 Class 3, NEMA CC3 1973 Class AA, 500 Heat Cycles. As with all BURNDY® connectors, the WEJTAP™ has been designed to operate cooler than the attached conductors. The WEJTAP™ connectors have also been subjected to the ASTM B117-73 Salt Spray Test. The results are shown below.

ANSI C119.4 - 1986 Heat Cycle Test
Average Temperature Rise vs. Current Cycles



Detailed test report packages are available upon request.

ASTM Salt Spray Test
Average % Relative Resistance vs. Hours of Salt Spray Exposure

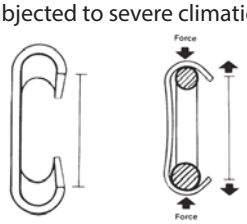


C-member bodies are colour-coded and the wedges are marked with nominal conductor run and tap ranges. WEJTAP™ connector packages are labeled with a variety of common conductors with their nominal ranges.

- WEJTAP™ connector wedges are marked with nominal ACSR, Aluminum and Copper concentric standard conductors
- Red WEJTAP™ connector range Run 8-1/0 Tap 8-2
- Blue WEJTAP™ connector range Run 2-300 Tap 6-300
- Yellow WEJTAP™ connector range Run 266.8-1590 Tap 6-1590

All WEJTAP™ wedges contain a clearly defined chamfer on the large end of the run conductor groove to identify the "large run" groove. Installers will appreciate the convenience of visual or hand identification for correct wedge positioning.

WEJTAP™ wedges are driven between the run and tap conductors and activate the spring characteristics of the "C" shaped body. This action maintains contact pressure even when the connection is subjected to severe climatic and electrical conditions.



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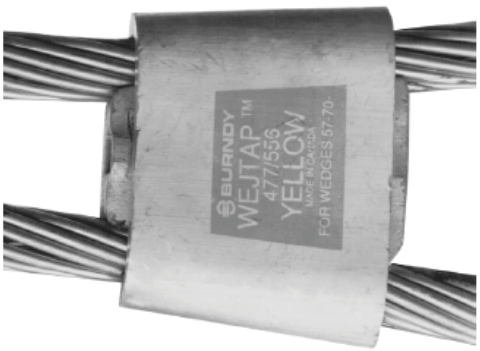
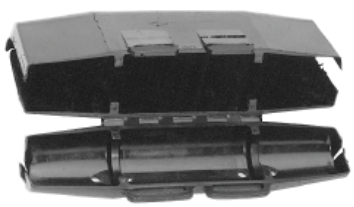
WEJTAP™ CONNECTORS

- The BURNDY® WEJTAP™ System has a wide variety of connectors available for many different conductor ranges.
- Colour-coded boosters and connectors ensure proper matching during installation.
- The BURNDY® Power Booster is designed and engineered for the highest reliability and safety. Proven rimfire design means misfires are almost nonexistent. Close manufacturing component tolerances provide maximum resistance to moisture or submersion.

WEJTAP™ COVER

WEJTAP™ Covers are installed on WEJTAP™ connectors to prevent them from coming in contact with other taps or exposed ground points. The covers are rugged snap-on devices available in four sizes to cover all connector sizes.





Cover Catalogue #	WEJTAP™ Size	Nominal Conductor Range Run	Nominal Conductor Range Tap	Cover Colour
WCCR	Small Old Style Red	8-1/0	8-2	Black Weather Rated
WCCB	Red & Blue	2-300	6-300	
WCCSY	Small (Yellow)	300-556.50	6-556.50	
WCCLY	Large (Yellow)	556.50-1033.50	556.50-1033.50	

Catalogue Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with red booster						
WCR29	0.723	0.584	0.398	0.257	0.398	0.257
WCR30	0.649	0.516	0.398	0.257	0.325	0.206
WCR31	0.602	0.464	0.398	0.257	0.258	0.162
WCR32	0.530	0.410	0.326	0.204	0.258	0.162
WCR33	0.459	0.331	0.258	0.169	0.230	0.162
WCR34	0.324	0.256	0.162	0.128	0.162	0.128
WCR35	0.560	0.452	0.398	0.257	0.162	0.128
WCR36	0.487	0.387	0.398	0.257	0.162	0.128
WCR37	0.416	0.297	0.258	0.169	0.162	0.128
Installed with blue booster						
WCB10	0.795	0.621	0.482	0.316	0.437	0.257
WCB11	0.901	0.763	0.568	0.364	0.457	0.257
WCB12	0.707	0.526	0.568	0.364	0.204	0.162
WCB13	0.761	0.600	0.568	0.364	0.258	0.204
WCB14	0.839	0.690	0.568	0.364	0.398	0.257
WCB15	0.769	0.622	0.568	0.364	0.204	0.162
WCB16	0.823	0.664	0.568	0.364	0.258	0.204
WCB17	0.963	0.804	0.568	0.364	0.464	0.257
WCB18	1.011	0.867	0.568	0.364	0.572	0.364
WCB19	1.068	0.938	0.568	0.364	0.572	0.379
WCB20	1.130	0.975	0.568	0.364	0.572	0.386
WCB21	0.846	0.711	0.650	0.532	0.204	0.162
WCB22	0.900	0.765	0.650	0.532	0.258	0.204
WCB23	0.972	0.818	0.650	0.532	0.330	0.257
WCB24	1.052	0.897	0.650	0.532	0.500	0.324
WCB25	1.104	0.963	0.650	0.532	0.562	0.364
WCB26	1.163	1.015	0.650	0.532	0.562	0.409
WCB27	1.221	1.080	0.650	0.532	0.575	0.460
WCB28	1.284	1.141	0.650	0.532	0.650	0.525
WCB40	0.888	0.762	0.684	0.603	0.204	0.162
WCB41	0.942	0.794	0.684	0.600	0.258	0.204
WCB42	1.011	0.857	0.684	0.600	0.333	0.257
WCB43	1.094	0.936	0.684	0.600	0.500	0.324
WCB44	1.146	1.009	0.684	0.600	0.562	0.364
WCB45	1.204	1.057	0.684	0.600	0.562	0.409
WCB46	1.284	1.119	0.684	0.600	0.592	0.460
WCB47	1.368	1.188	0.684	0.600	0.684	0.600
Installed with yellow booster						
WCY48	0.932	0.765	0.750	0.537	0.204	0.162
WCY49	1.012	0.807	0.750	0.537	0.271	0.203
WCY50	1.069	0.860	0.750	0.537	0.355	0.257
WCY51	1.141	0.927	0.750	0.537	0.557	0.324
WCY52	1.190	1.001	0.750	0.537	0.588	0.364
WCY53	1.236	1.012	0.750	0.537	0.619	0.409

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Catalogue Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
WCY54	1.302	1.063	0.750	0.537	0.630	0.46
WCY55	1.370	1.140	0.750	0.537	0.714	0.499
WCY56	1.456	1.245	0.750	0.537	0.750	0.524
WCY57	1.190	0.979	0.893	0.666	0.326	0.257
WCY58	1.087	0.931	0.893	0.666	0.258	0.198
WCY59	1.061	0.891	0.893	0.666	0.199	0.162
WCY60	1.854	1.686	0.950	0.722	0.950	0.722
WCY61	1.741	1.524	0.940	0.683	0.940	0.666
WCY62	1.594	1.379	0.940	0.683	0.750	0.573
WCY63	1.500	1.297	0.940	0.683	0.750	0.481
WCY64	1.421	1.216	0.940	0.683	0.650	0.436
WCY65	1.360	1.147	0.940	0.683	0.562	0.382
WCY66	1.305	1.097	0.940	0.683	0.562	0.336
WCY67	1.270	1.054	0.940	0.683	0.450	0.315
WCY68	1.253	1.115	0.940	0.683	0.326	0.257
WCY69	1.187	1.059	0.940	0.683	0.262	0.204
WCY70	1.130	1.013	0.940	0.683	0.204	0.162
WCY71	2.216	2.074	1.133	0.907	1.156	0.947
WCY72	2.133	1.999	1.133	0.907	1.142	0.927
WCY73	2.098	1.946	1.133	0.907	1.142	0.907
WCY74	2.035	1.891	1.133	0.907	1.142	0.858
WCY75	1.969	1.822	1.133	0.889	0.927	0.763
WCY76	1.901	1.741	1.133	0.889	0.900	0.700
WCY77	1.829	1.677	1.133	0.889	0.750	0.575
WCY78	1.750	1.599	1.133	0.889	0.729	0.525
WCY79	1.670	1.526	1.133	0.889	0.722	0.364
WCY80	1.610	1.466	1.133	0.889	0.608	0.364
WCY81	1.555	1.411	1.133	0.889	0.608	0.364
WCY82	1.506	1.362	1.133	0.889	0.436	0.324
WCY83	1.440	1.288	1.133	0.889	0.398	0.257
WCY84	1.369	1.221	1.133	0.889	0.333	0.203
WCY85	1.306	1.158	1.133	0.889	0.258	0.162
WCY86	2.496	2.332	1.250	0.893	1.250	1.000
WCY87	2.418	2.251	1.250	0.893	1.250	0.856
WCY88	2.354	2.194	1.250	0.893	1.211	0.971
WCY89	2.297	2.137	1.250	0.893	1.200	0.923
WCY90	2.238	2.083	1.250	0.893	1.159	0.868
WCY91	2.173	2.013	1.250	0.893	1.130	0.856
WCY92	2.104	1.950	1.250	0.893	0.904	0.720
WCY93	2.029	1.869	1.250	0.893	0.900	0.700
WCY94	1.967	1.831	1.250	0.893	0.750	0.588
WCY95	1.888	1.728	1.250	0.893	0.722	0.525
WCY96	1.811	1.648	1.250	0.893	0.609	0.364
WCY97	1.748	1.591	1.250	0.893	0.598	0.385
WCY98	1.695	1.533	1.250	0.893	0.598	0.364
WCY99	1.644	1.489	1.250	0.893	0.398	0.324

Catalogue Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with Yellow Booster						
WCY100	1.572	1.400	1.250	0.893	0.351	0.257
WCY101	1.503	1.343	1.250	0.893	0.261	0.204
WCY102	1.454	1.284	1.250	0.893	0.198	0.162
WCY103	2.604	2.484	1.302	1.242	1.302	1.242
WCY104	2.567	2.407	1.302	1.242	1.265	1.165
WCY105	2.489	2.329	1.302	1.242	1.187	1.087
WCY106	2.418	2.258	1.302	1.242	1.116	1.016
WCY107	2.373	2.213	1.302	1.242	1.071	0.971
WCY108	2.318	2.158	1.302	1.242	1.016	0.916
WCY109	2.255	2.095	1.302	1.242	0.953	0.853
WCY110	2.179	2.019	1.302	1.242	0.877	0.777
WCY111	2.102	1.942	1.302	1.242	0.800	0.700
WCY112	2.044	1.884	1.302	1.242	0.742	0.642
WCY113	1.961	1.801	1.302	1.242	0.659	0.559
WCY114	1.940	1.740	1.350	1.242	0.590	0.498
WCY115	1.863	1.663	1.350	1.242	0.513	0.421
WCY116	1.812	1.612	1.350	1.242	0.462	0.370
WCY117	1.762	1.562	1.350	1.242	0.412	0.320
WCY118	1.703	1.503	1.350	1.242	0.353	0.261
WCY119	1.631	1.431	1.350	1.242	0.281	0.189
WCY120	1.580	1.380	1.350	1.242	0.230	0.138
WCY121	2.844	2.642	1.422	1.314	1.422	1.328
WCY122	2.764	2.562	1.422	1.314	1.342	1.248
WCY123	2.680	2.479	1.422	1.314	1.258	1.164
WCY124	2.596	2.394	1.422	1.314	1.174	1.080
WCY125	2.535	2.333	1.422	1.314	1.113	1.019
WCY126	2.481	2.279	1.422	1.314	1.059	0.965
WCY127	2.426	2.224	1.422	1.314	1.004	0.910
WCY128	2.376	2.174	1.422	1.314	0.954	0.860
WCY129	2.286	2.084	1.422	1.314	0.864	0.770
WCY130	2.216	2.014	1.422	1.314	0.794	0.700
WCY131	2.152	1.950	1.422	1.314	0.730	0.636
WCY132	2.070	1.868	1.422	1.314	0.648	0.554
WCY133	1.990	1.786	1.422	1.314	0.568	0.472
WCY134	1.931	1.729	1.422	1.314	0.509	0.415
WCY135	1.876	1.674	1.422	1.314	0.454	0.360
WCY136	1.831	1.629	1.422	1.314	0.409	0.315
WCY137	1.771	1.569	1.422	1.314	0.349	0.255
WCY138	1.706	1.504	1.422	1.314	0.284	0.190
WCY139	1.664	1.462	1.422	1.314	0.242	0.148
WCY140	3.045	2.090	1.533	1.471	1.547	1.471
WCY145	2.596	2.534	1.533	1.032	1.094	1.032

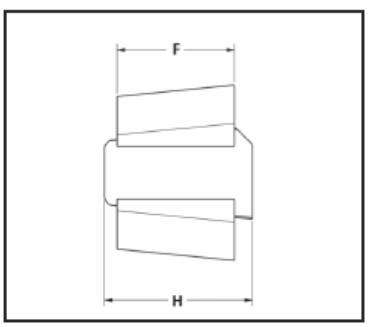
Burndy

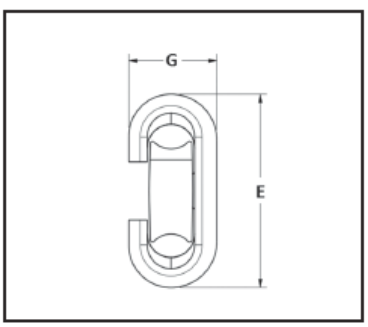
COPPER WEJTAP™

The BURNDY® Copper WEJTAP™ powder actuated copper connectors are designed for overhead copper-to-copper tap applications.

Features include:

- Newly expanded range taking capabilities
- New larger size connector for #6 - #2 applications
- Uses standard BURNDY® WEJTAP™ tooling without the need for installation platforms
- Meets latest ANSI C119.4 (2011) including optional fault current test annex
- Prefilled with PENETROX™ E to improve the performance over the life of the connection





Catalogue #	Copper Conductor Dia. Accommodated (in.)			Dimensions				Tooling	Installation Booster Colour	Fault Current Rating (KA)
	Run Range	Tap Range	Sum Range	E	F	G	H			
WCB4C4	0.162 - 0.258	0.162-0.232	0.324-0.464	2.40	1.63	1.02	2.05	WTHRB-1S	Blue	12.50
WCB2C2	0.258-0.368	0.162-0.292	0.452-0.600							
WCB10C2	0.292-0.376	0.162-0.292	0.524-0.665							
WCB20C2	0.300-0.430	0.162-0.292	0.576-0.734							
WCB20C20		0.300-0.414	0.710-0.844							25.00
WCB30C2	0.360-0.516	0.162-0.292	0.622-0.775							12.50
WCB40C2	0.375-0.538	0.162-0.292	0.680-0.822							
WCB40C20		0.330-0.464	0.814-0.952							25.00
WCB40C40		0.375-0.538	0.936-1.072							
WCB250C2	0.435-0.574	0.162-0.292	0.730-0.875							12.50
WCB250C20		0.293-0.430	0.875-1.033							25.00
WCB250C250		0.431-0.574	1.033-1.150							38.00

WCB4C4

RUN	TAP
#6 CU SOL	#6 CU SOL
#6 CU STR	#6 CU SOL - #6 CU STR
#4 CU SOL	#6 CU SOL - #4 CU SOL
#4 CU STR	#4 CU STR - #6 CU SOL
#2 CU SOL	#6 CU SOL - #6 CU STR

WCB2C2

RUN	TAP
#2 CU SOL	#4 CU SOL - #2 CU SOL
#2 CU STR	#6 CU SOL - #2 CU STR
1/0 CU STR	#6 CU SOL - #4 CU STR

WCB10C2

RUN	TAP
#2 CU SOL	#4 CCS* - #2 CU STR
1/0 CU SOL	#6 CU SOL - #2 CU STR
1/0 CU STR	#6 CU SOL - #2 CU STR

**Copper Clad Steel*

WCB20C2

RUN	TAP
1/0 CU STR	#2 CU SOL - #2 CU STR
2/0 CU STR	#6 CU SOL - #2 CU STR

WCB20C20

RUN	TAP
1/0 CU STR	1/0 CU STR
2/0 CU STR	1/0 CU STR - 2/0 CU STR

WCB30C2

RUN	TAP
4/0 CU SOL	#6 CU SOL - #2 CU STR

WCB40C2

RUN	TAP
4/0 CU STR	#6 CU SOL - #2 CU STR

WCB40C20

RUN	TAP
3/0 CU STR	1/0 CU STR - 3/0 CU STR
4/0 CU STR	1/0 CU STR - 2/0 CU STR

WCB40C40

RUN	TAP
4/0 CU STR	4/0 CU SOL - 4/0 CU STR

WCB250C2

RUN	TAP
250 CU STR	#6 CU SOL - #2 CU STR

WCB250C20

RUN	TAP
250 CU STR	1/0 CU STR - 2/0 CU STR

WCB250C250

RUN	TAP
250 CU STR	4/0 CU SOL - 250 CU STR

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WEJTAP™ STIRRUP™ AND POWER BOOSTERS

(Large) Run Conductor position is identified on all wedges via a distinct chamfer.

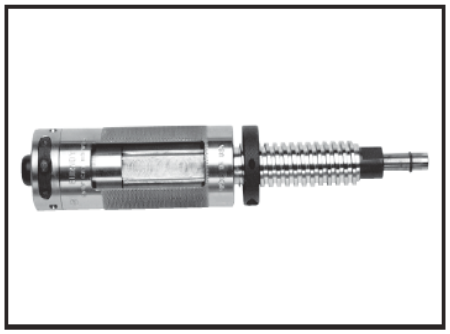
Catalogue #	Nominal Cable Range	Bail Size
Small Red Cable Range 6-2		
WSS1 **WSS2**	6 5, 4, 2	2
Medium Blue Cable Range 1-300		
WSM1*	2, 1, 1/0, 2/0	2
WSM2	2/0, 3/0	2
WSM3 **WSM4**	3/0 - 4/0	2 2/0
WSM5 **WSM6**	266.8	2 1/0
WSM7	350	1/0
WSM11	266.8 - 336.4	4/0

**WSM1 now accepts #2 conductor*

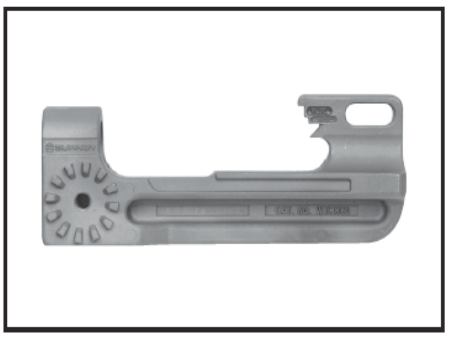
Catalogue #	Nominal Cable Range	Bail Size
Large Yellow Cable Range 300-1033.5		
WSL1 **WSL2** **WSL3**	336.4	1/0 2/0 4/0
WSL4 **WSL5** **WSL6**	397.5-477	1/0 2/0 4/0
WSL7 **WSL8** **WSL9**	556.5	1/0 2/0 4/0
WSL10 **WSL11**	636	4/0 2/0
WSL12 **WSL13**	795	2/0 4/0
WSL14	1033.5	4/0

Catalogue #	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Small Stirrups						
WSS1	0.454	0.412	0.204	0.162	0.250	0.250
WSS2	0.575	0.456	0.325	0.206	0.250	0.250
Medium-Sized Stirrups						
WSM1	0.697	0.575	0.447	0.325	0.250	0.250
WSM10	0.887	0.784	0.563	0.460	0.324	0.324
WSM2	0.752	0.615	0.502	0.365	0.250	0.250
WSM3	0.813	0.660	0.563	0.410	0.250	0.250
WSM4	0.938	0.835	0.563	0.460	0.375	0.375
WSM5	0.892	0.787	0.642	0.537	0.250	0.250
WSM6	0.968	0.861	0.642	0.537	0.324	0.324
WSM7	1.008	0.898	0.684	0.574	0.324	0.324
WSM8	0.934	0.824	0.684	0.574	0.250	0.250
WMS9	0.771	0.649	0.447	0.325	0.324	0.324
Large Stirrups						
WSL1	1.050	0.927	0.726	0.603	0.324	0.324
WSL10	1.479	1.389	1.019	0.929	0.460	0.460
WSL11	1.394	1.304	1.019	0.929	0.375	0.375
WSL12	1.515	1.399	1.140	1.024	0.375	0.375
WSL13	1.600	1.484	1.140	1.024	0.460	0.460
WSL14	1.708	1.606	1.248	1.146	0.460	0.460
WSL2	0.976	0.853	0.726	0.603	0.250	0.250
WSL3	1.186	1.063	0.726	0.722	0.460	0.460
WSL4	1.186	1.046	0.862	0.603	0.324	0.324
WSL5	1.237	1.097	0.862	0.722	0.375	0.375
WSL6	1.322	1.182	0.862	0.722	0.460	0.460
WSL7	1.251	1.170	0.927	0.846	0.324	0.324
WSL8	1.302	1.221	0.927	0.846	0.375	0.375
WSL9	1.387	1.306	0.927	0.846	0.460	0.460

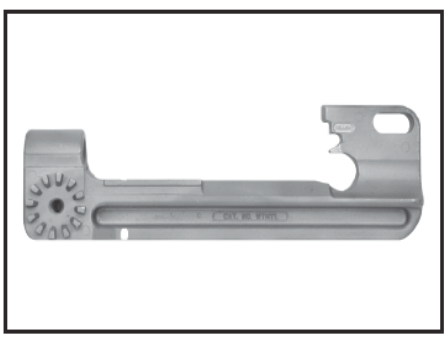
WEJTAP™ INSTALLATION TOOLS & ACCESSORIES



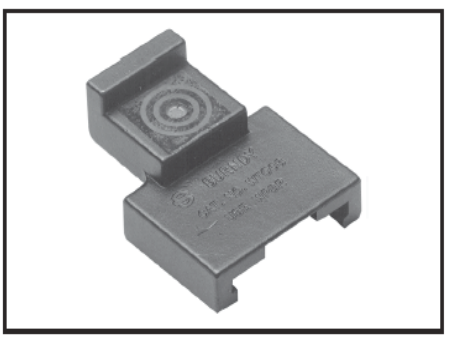
TYPE WTB
The WEJTAP™ patented tool body is a one-piece assembly basic drive mechanism used to install WEJTAP™ and STIRRUP™ connectors ranging from #8 AWG through 1590 kcmil ACSR.



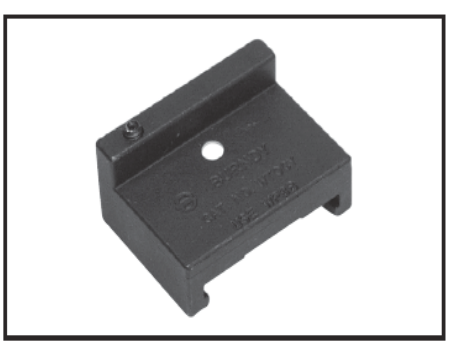
TYPE WTHRB1S
WEJTAP™ tool head operating platform for small and medium range (red/blue coded) connectors.



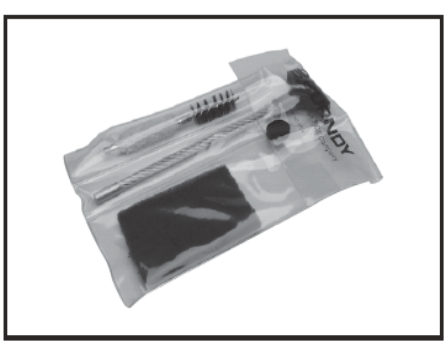
TYPE WTHY1S
WEJTAP™ tool head operating platform for medium and large range (yellow coded) connectors.



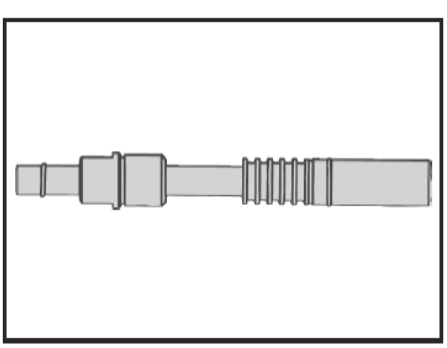
TYPE WTOCBR
WEJTAP™ removal clip for red type II and medium (blue coded) tap connectors used with type WTHRB tool head.



TYPE WTOCY
WEJTAP™ removal clip for large (yellow coded) tap connectors used with type WTHY tool head.



TYPE WTCK
WEJTAP™ tool cleaning/maintenance kit for use with type WTB tool body.



TYPE WTBASY1
WEJTAP™ ram replacement assembly.

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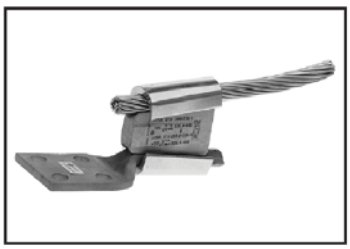
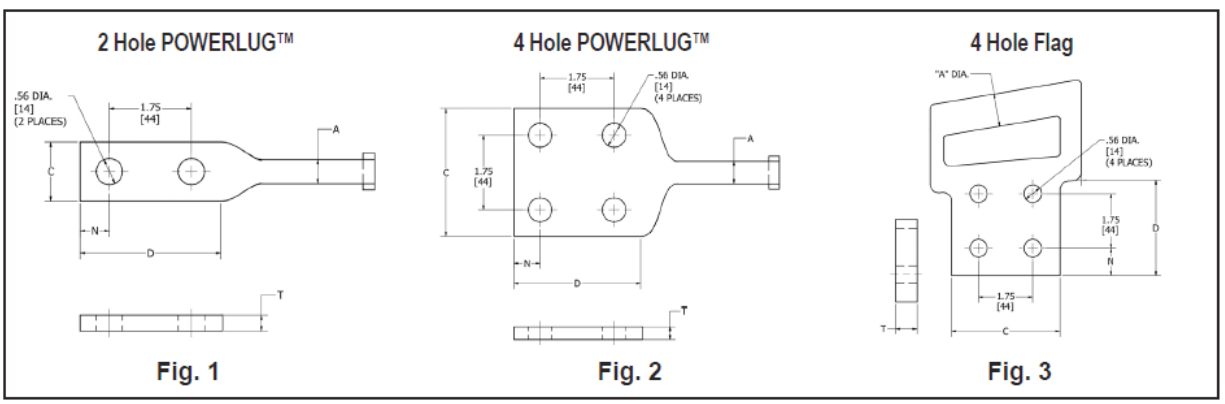
WEJTAP™ POWERLUG™

WEJTAP™ POWERLUG™ terminals are made of cast aluminum alloy for termination of ACSR and aluminum conductors.





Catalogue #	Tap Groove for Connector Selection	Standard Conductor		Figure #	Holes in Pad	Dimension			
		ACSR	ASC/AAC			C	D	N	T
WCAB30R-2N	4/0 Standard ACSR (.563 in OD)	6 Str. - 266.8	6 Str. - 300	1	2	1-1/4	3	5/8	0.34
WCAB30R-4N				2	4	3	3	5/8	0.30
WCBB30R-4N				3	4	3	3	5/8	0.30
WCAY39R-2N	336.4 Standard ACSR (.721 in OD)	266.8 - 556.5	336.4 - 636	1	2	1-3/4	3	5/8	0.34
WCAY39R-4N				2	4	3	3	5/8	0.30
WCBY39R-4N				3	4	3	3	5/8	0.30
WCAY49R-2N	795 Standard ACSR (1.108 in OD)	605 - 1033.5	715.5 - 1113	1	2	1-3/4	3-1/2	7/8	0.69
WCAY49R-4N				2	4	3-1/2	3-1/2	7/8	0.69
WCBY49R-4N				3	4	3-1/2	3-1/2	7/8	0.69

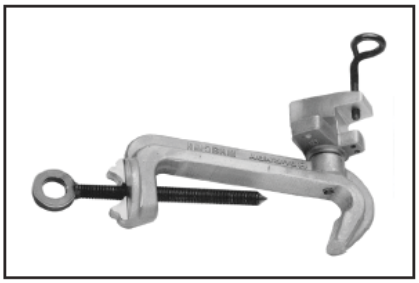
NOTE: The recommended connector and booster are ordered separately.
Catalogue number is for the POWERLUG™ only. Use the Tap Groove Connector diameter, along with the application run conductor diameter, to choose the correct WEJTAP™ connector.

MULTIPLE CONDUCTOR TAP APPLICATION

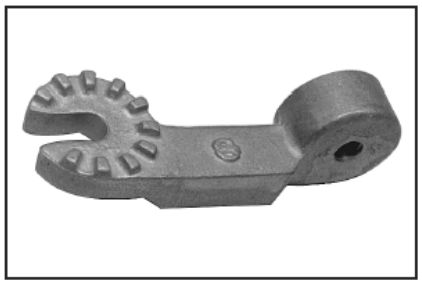
Connector	*Run Groove	*Tap Groove
WCY 64 PB	Three - 1/0 ACSR (6/1) Diameter = 0.398	One - 4/0 ACSR (6/1) Diameter = 0.563
WCY 65 PB	Three - 1/0 ACSR (6/1) Diameter = 0.398	One - 3/0 ACSR (6/1) Diameter = 0.502
WCY 63 PB	Three - 2/0 ACSR (6/1) Diameter = 0.447	One - 4/0 ACSR (6/1) Diameter = 0.563
WCY 11 PB	Three - #4 Stranded Diameter = 0.232	One - 1/0 ACSR (6/1) Diameter = 0.398
WCY 54 PB	Three - 1/0 Stranded Diameter = 0.368	One - 4/0 Stranded Diameter = 0.522
WCY 53 PB	Three - 1/0 Stranded Diameter = 0.368	One - 3/0 Stranded Diameter = 0.464
WCY 64 PB	Three - 2/0 Stranded Diameter = 0.414	One - 4/0 Stranded Diameter = 0.522
WCY 11 PB	Three - #4 Stranded Diameter = 0.232	One - 1/0 Stranded Diameter = 0.368

** Electrically, the three smaller conductors are the likely taps; however, during installation, they are located in the larger run groove due to their larger aggregate sum.*

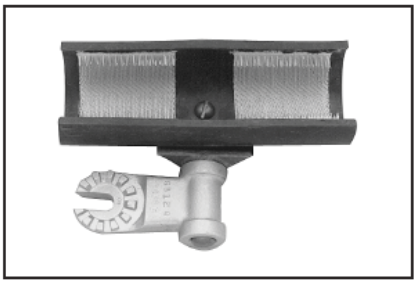
WEJTAP™HOTSTICK ACCESSORIES



TYPE WHSCWH
WEJTAP™ hotstick connector clamp used to hold the tap connector spring-body and wedge for installation on energized lines with the shotgun hotstick.

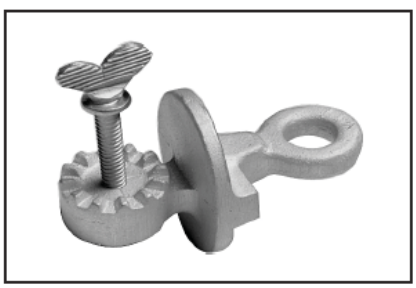


TYPE WHSWHADP
WEJTAP™ hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for hotline installation.

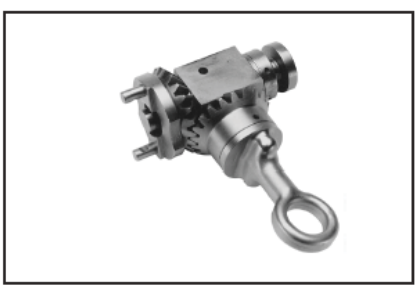


TYPE WHSWB
WEJTAP™ hotstick wire brush attaches to the universal hotstick for cleaning the contact surface of the line conductor.

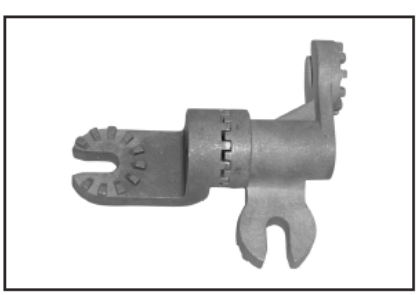
TYPE WHSPBC
WEJTAP™ hotstick dual cable clamp used to hold run and tap conductors in position during hotline installation. Universal for all applications from #8-1272 ACSR.



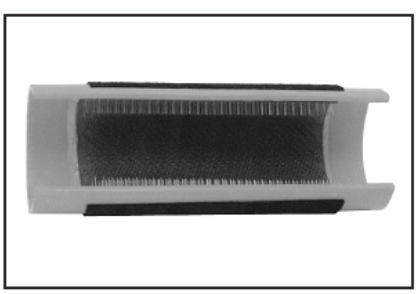
TYPE WCHAWAS
WEJTAP™ hotstick angle wedge holder adapter attaches wedge clamp to universal hotstick for hotline installation with shotgun stick.



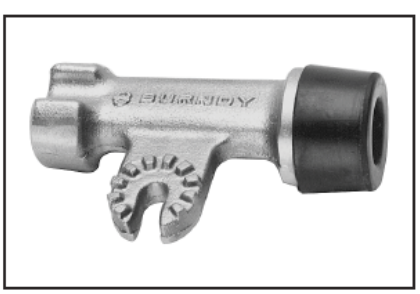
TYPE WHSGB
WEJTAP™ hotstick breech drive. Geared shotgun hotstick adapter easily latches to the breech end of WEJTAP™ installation tool without disassembly for use on energized lines.



TYPE WHSSADP
WEJTAP™ hotstick spring loaded 90 degree adapter, used to attach tool to universal hot-stick for hotline installations.



TYPE WHSTA
WEJTAP™ hotstick tool (actuator) hammer attaches to the universal hotstick for striking the tool actuator button to complete the installation.



TYPE WHHWB
WEJTAP™ hand-held wire brush for cleaning surface contact areas on non-energized conductors.

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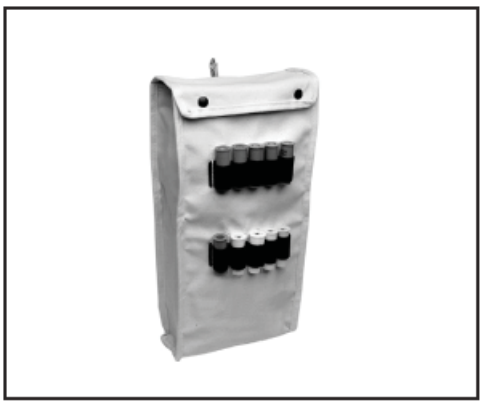
WEJTAP™ KIT ORDERING INSTRUCTIONS

TYPE WTCC (Carrying Case Only)
WEJTAP™ plastic carrying case. Designed for rugged use in all weather conditions. It accommodates WEJTAP™ installation tool, removal clips, and cleaning kit.



TYPE WABAG
WEJTAP™ accessories bag is designed for use in carrying installation tool(s), removal clips, and cleaning kit. Hotstick accessories may be accommodated as well. Holders for power boosters are conveniently located on the outside of the bag.

	Non-Hot Stick Power Unit	Hot Stick Power Unit	Self-Firing Tool	Large Frame (Yellow)	Large Frame Take Off Clip	Small Frame (Red, Blue)	Cleaning Kit	Small Frame Take Off Clip	Molded Carrying Case	Canvas Style Tool Bag
Component / **Kit Catalogue #**	**WTBN-HS**	**WTB**	**WTBGBW**	**WTHY-1S**	**WTOCY**	**WTHRB-1S**	**WTCK**	**WTOCBR**	**WTCC**	**WABAG**
WT2B2RBYWA-BAG		2		1	1	1	1	1		1
WT2BRBYWABAG		2				1	1	1		1
WTRBYK		1		1	1	1	1	1	1	
WTRBYKNHS	1			1	1	1	1	1	1	
WTYK		1		1	1		1			
WTYKNHS	1			1	1		1			
WTRBK		1				1	1	1	1	
WTRBKNHS	1					1	1	1	1	
WT2BRBYK		2		1	1	1	1	1	1	
WT2B2RBYK		2		1	1	2	1	1	1	
WTY		1		1			1			
WTRB		1				1	1			
WTYWABAG		1		1	1		1			1
WTYKNHSBAG	1			1	1		1			1
WTRBWABAG		1				1	1	1		1
WTYKNHSBAG	1			1	1		1			1
WTBGBWRBYK			1	1	1	1	1	1	1	
WTRBYWABAG		1		1	1	1	1	1		1
WTRBYKNHSGAB	1			1	1	1	1	1		1

** Non-Hotstick power units do not contain features allowing activation with Hotsticks. They are not upgradeable.*

Wedge Tools

Installation Tool

- Small tool for red, and blue-coded taps; aluminum wire combinations: #8 thru 350 kcmil
- Large tool for yellow-coded taps only; aluminum wire combinations; 336.4 thru 1192.5
- Auxiliary platform is required to install red-coded standard taps with small tool

Take-Off Clip

- RoHS and ELV compliant
- Not relevant for lead-free process
- Polyethylene
- Removes connector cap tap system tool

Aluminum Tap System Tool

- RoHS and ELV compliant
- Not relevant for lead-free process
- Polyethylene; contains propellant and primer
- Colour-coded to to match taps and stirrups
- Available in blue, yellow, red and white

Heads

- RoHS and ELV compliant
- Not relevant for lead-free process
- Head; alloy steel
- Large head for use with yellow coded taps
- Small head for use with red, white, blue-code taps

Cleaning Tool

- Cleans caps, breach assembly, threads, and any other part of the tool
- WD-40 or anything containing petroleum is not recommended to clean tools
- Use 3-in-1 oil or Hoppes Oil #9 to clean tools

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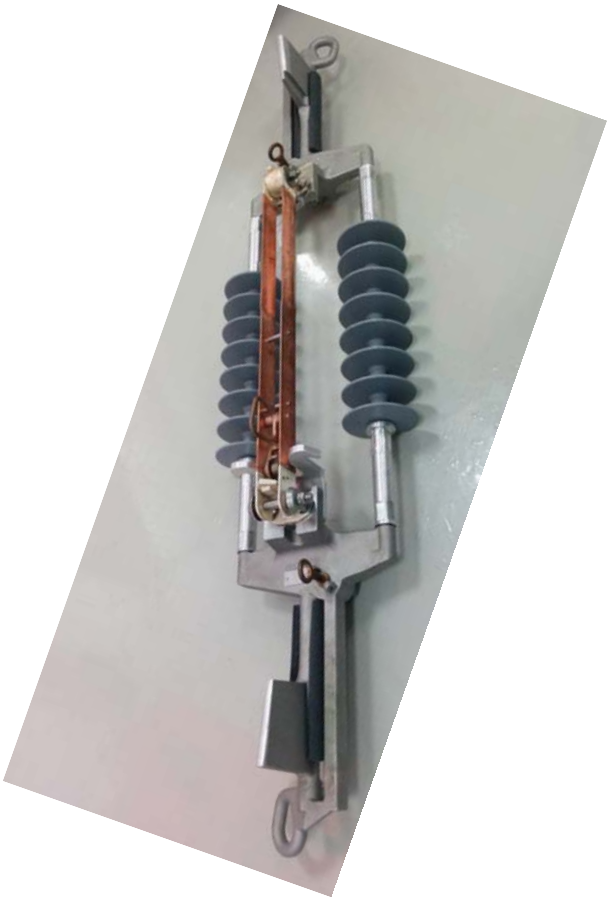
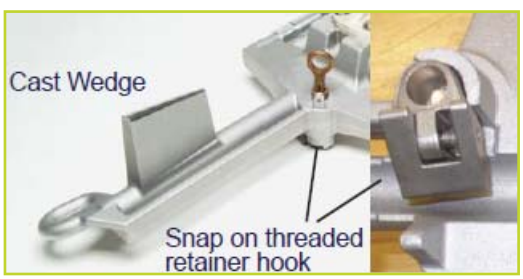
WEJTAP™ IN-LINE DISCONNECT

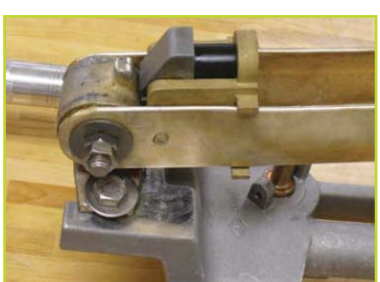
Why the WEJTAP™ over the competitor?

- Installation is a snap! Less than 10 minutes to install
- Pivoting spring loaded conductor threaded eyebolt retainer hooks allow you to snap on and suspend the switch directly onto the conductor
- No come-alongs to attach
- No bolting, crimping and/or deadending
- Wedges are cast right into the frame in a self-tightening position - less hardware to carry or hold
- 100 ft/second installation speed "wipes" the conductor and assists in conductor cleaning
- BURNDY® PENETROX™ oxide inhibitor (type PENA-13) penetrates inner strands for better conductivity
- Twin insulators minimize switch movement during opening and closing of blade



Installation is a SNAP!




Optional 'Hold Open' Feature

The BURNDY® In-Line Disconnect utilizes proven WEJTAP™ technology in combination with industry standard components to provide reliable performance of switch applications.

1. Utilizes WEJTAP™ connectors for securing the switch to the distribution line in tension applications.

2. Utilizes industry recognized and proven GST&D Products, Ltd. blade components along with dual Advance Rubber Products, Inc., insulators attached to a BURNDY® designed yoke plate assembly.

3. WEJTAP™ In-Line Disconnect designed for use in gloving and hot stick applications in conjunction with an industry standard load break tool.

4. Dual insulators minimize the switch movement during opening and closing of the blade.

5. Installation steps are minimized. The switch can be snapped directly on the line and secured with our conductor pivot retainer, designed into the switch frame.

6. WEJTAP™ tooling is used to secure the "C Member" to the built-in wedge feature of the frame, providing reliable mechanical and electrical performance.

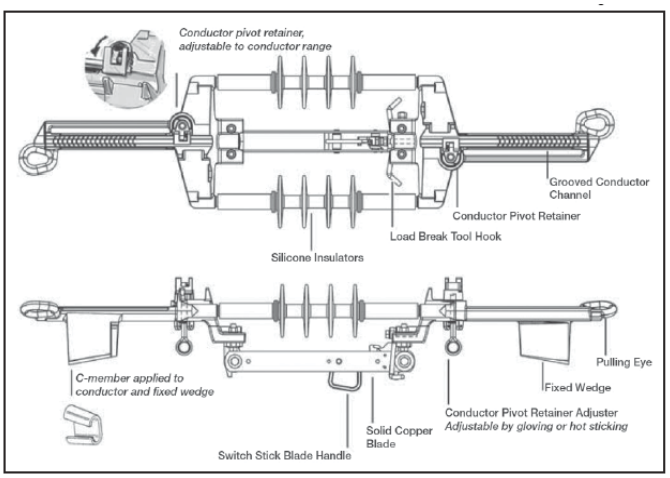
7. The blade is positioned on the switch to simplify cutting the conductor during installation.

8. In-Line Disconnect is removable and reuseable.

9. Other conductor sizes available.

Product Specifications

Voltage:	15kV (110kV BIL), 29kV (150kV BIL), 35kV (200kV BIL)
Current:	900 Ampere RMS
Short Circuit:	Momentary Current 40,000 Ampere RMS, Asymmetrical Three Second Current 25,000 Ampere RMS, Symmetrical
Strength:	Body 10,000 lb. Pulling Eye 6000 lb.
Insulators:	Silicone
Meets Industry Standards:	ANSI C119.4, C37.32 IEEE C37.30, C37.34 CSA C83.71 ASTM B117 Salt Fog



Catalogue #	KV/BIL Rating	Conductor Dia. Range	Common Conductors		Replacement Tap
			ACSR	AAC	
WAD1015	15 kV/110 kV BIL	0.368" - 0.502"	1/0 (6/1), 2/0 (6/1), 3/0 (6/1)	1/0, 2/0, 3/0	WADRT 1
WAD1029	29 kV/150 kV BIL				
WAD1035	35 kV/200 kV BIL				
WAD4015	15 kV/110 kV BIL	0.522" - 0.609"	4/0 (6/1), 266.8 (18/1)	4/0, 250, 266.8 (7 Str., 19 Str.), 336 compact	WADRT 1
WAD4029	29 kV/150 kV BIL				
WAD4035	35 kV/200 kV BIL				
WAD336-15	15 kV/110 kV BIL	0.642"- 0.723"	266.8 (26/7), 336.4 (18/1, 26/7)	336, 350, 397.5, 477 compact	WADRT 2
WAD447-15	29 kV/150 kV BIL				
WAD556-15	35 kV/200 kV BIL				
WAD336-29	15 kV/110 kV BIL	0.741" - 0.814"	336.4 (30/7), 397.5 (All Str.), 477 (18/1)	477 (19 Str. , 37 Str.), 500 (19 Str. , 37 Str.), 556 compact	WADRT 1
WAD336-35	29 kV/150 kV BIL				
WAD477-29	35 kV/200 kV BIL				
WAD477-35	15 kV/110 kV BIL	0.846" - 0.883"	477 (24/7, 26/7, 30/7), 556 (18/1)	556 (19 Str., 37 Str.)	WADRT 2
WAD556-29	29 kV/150 kV BIL				
WAD556-35	35 kV/200kV BIL				
WAD795-15*	15 kV/110 kV BIL	0.953" - 1.040"	556 (30/7), 795 (36/1)	795 (37 Str., 61 Str.)	WADRT 3
WAD795-29*	29 kV/150 kV BIL				
WAD795-35*	35 kV/200kV BIL				

Burndy

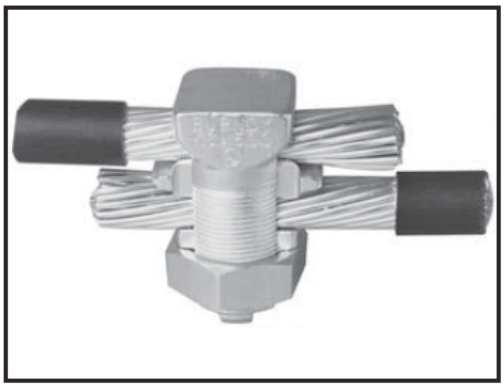
TYPE KSA TRITAP™ SERVIT®

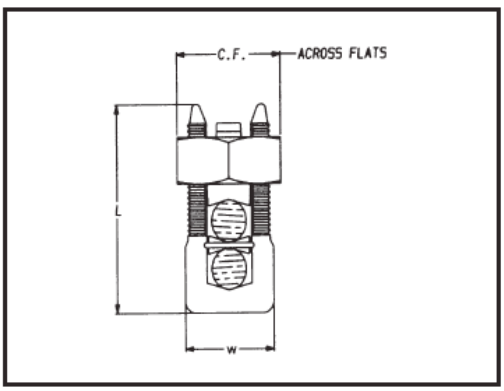
For all combinations of Aluminum to Aluminum, Aluminum to Copper and Copper to Copper, Aluminum Alloy Tin Plated

Patented Triangular Penetration Technology Contact

Features & Benefits:

- No scratch brushing required
- No oxide inhibitor required
- Orients the conductor
- Provides maximum pressure and assures a secure connection of run and tap conductors
- Facilitates piercing the aluminum conductor surface oxides
- UL 486B listed, 90°C rated
- Provides a low contact resistance
- Provides equal coefficient of expansion
- Inhibits the reformation of oxides by producing a gas-tight seal
- Provides improved retention of minimum to maximum conductor combinations

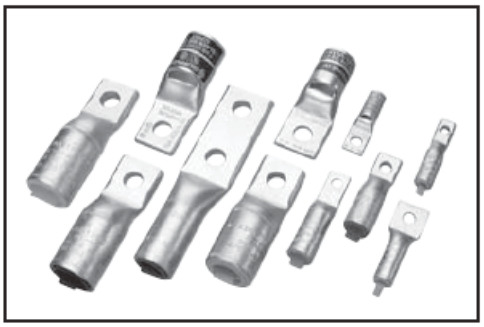




Part #	Cross Flats	L	W	Alum. to Alum. to Copper, Copper to Copper conductors			Recommended Tightening Torque (in-lb)
				Max Run to Max Tap	Min Run to Min Tap	Max Run to Min Tap	
KSA6	0.75	1.58	0.56	#6 Str. (1.084) - #6 Str. (1.084)	#10 Sol. (0.102) - #10 Sol. (0.102)	#6 Str. (0.184) - #10 Sol. (0.102)	165
KSA4	0.81	1.38	0.62	#4 Str. (0.232) - #4 Str. (0.232)	#8 Sol. (0.129) - #10 Sol. (0.102)	#4 Str. (0.232) - #10 Sol. (0.102)	165
KSA2	0.94	1.58	0.69	#2 Str. (0.292) - #2 Str. (0.292)	#6 Sol. (0.169) - #8 Str. (0.146)	#2 Str. (0.292) - #8 Sol. (0.146)	275
KSA1/0	1.00	1.92	0.75	#1/0 Str. (0.373) - #1/0 Str. (0.373)	#2 Str. Compact (0.268) - #8 Sol. (0.129)	#1/0 Str. (0.373) - #8 Sol. (0.129)	385
KSA2/0	1.12	1.92	0.88	#2/0 Str. (0.418) - #2/0 Str. (0.418)		#2/0 Str. (0.418) - #8 Str. (0.146)	385
KSA4/0	1.49	2.54	1.13	#4 Str. (0.528) - #4 Str. (0.528)	#2 Str. Compact (0.268) - #6 Str. (0.184)	#4/0 Str. (0.528) - #6 Str. (0.184)	500
KSA350	1.69	3.24	1.50	350 KCMIL (0.681) - 350 KCMIL (0.681)	#1/0 Str. Compact (0.336) - #4 Str. (0.232)	350 kcmil (0.681) - #4 Str. (0.232)	650
KSA500	2.00	3.62	1.73	500 kcmil (0.813) - 500 kcmil (0.813)	400 kcmil Compact (0.659) - #2 Str. Compact (0.268)	500 kcmil (0.813) - #2 Str. Compact (0.268)	825

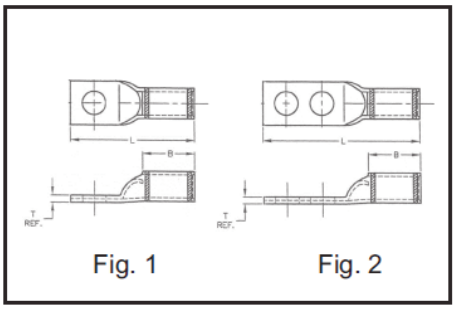
Compression Connections

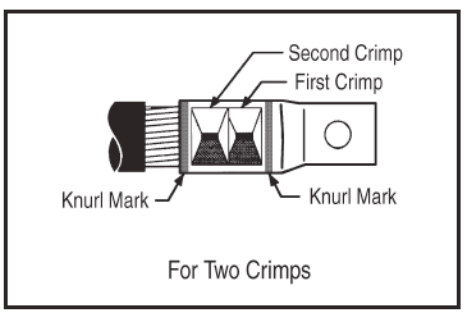
Copper and Aluminum Compression - Narrow Tongue - One and Two Hole



E-Line HYLUG™ EQUIPMENT LINE
Type YA-E
Copper and Aluminum Compression Terminal

UL Listed 90°C, 600 Volts to 35kV





Part #	Fig #	Conduction Accommodations		Stud Hole Size	Stud Hole Spacing	Tongue Width (max)	Dimensions			† Installation Tooling				Wire Strip Length
		Aluminum	Copper or Aluminum				B	T	L	Dieless (# of crimps)	Hydraulic	Colour Code	Die Index	
		Conventional Wire Size	Expanded Wire Range Using Y644HSXT								Y35, Y750, Y46*, PAT750 (# of crimps)			
YA30A6N100T38E	1	300 kcmil	2/0 AWG-300 kcmil	3/8″	-	1.00″	1.53″	0.36″	3.20″	Y644HSXT (1) PAT644XT-18HS (1) Y81KFT (1) Y81KFTMBH (2) PAT81KFT-18V (2)	U30ART (2)	Blue	470	1-5/8″
YA30A1N131T12E				1/2″	-	1.31″	1.53″	0.35″	3.57″					
YA31A11N100T516E	1	350 kcmil	3/0 AWG-350 kcmil	5/16″	-	1.00″	1.85″	0.39″	3.51″		U31ART (2)	Brown	299	1-7/8″
YA31A9N100T38E				3/8″	-	1.00″	1.85″	0.39″	3.59″					
YA32A8N106T516E	1	400 kcmil	4/0 AWG-400 kcmil	5/16″	-	1.06″	2.26″	0.43″	3.92″		U32ART (4)	Green	472	2-5/16″
YA34A8N131T38E	1	500 kcmil	4/0 AWG-500 kcmil	3/8″	-	1.31″	1.64″	0.35″	3.88″	Y644HSXT (2) PAT644XT-18VHS (2) Y81KFT (2) Y81KFTMBH (2) PAT81KFT (2)	U34ART (4)	Pink	300	1-11/16″
YA34A7N131T12E				1/2″	-	1.31″	1.64″	0.35″	3.88″					
YA36A9N131T12E	2			1/2″	1.75	1.31″	1.64″	0.39″	5.71″					
YA36A9N131TD12E	1	600 kcmil	250-600 kcmil	1/2″	-	1.31″	1.64″	0.39″	3.98″					
YA36A3N131TD38E	2			3/8″	-	1.31″	1.64″	0.39″	5.32″					
YA36A3N131TD12E				1/2″	1.75	1.31″	1.64″	0.39″	5.71″					
YA39A1N131TD12E	1	750 kcmil	500-900 kcmil Aluminum 500 kcmil Copper Only	1/2″	-	1.31″	1.86″	0.31″	4.28″					1-15/16″
YA39A5N131TD12E	2			1/2″	1.75	1.31″	1.86″	0.31″	6.09″					

† A variety of BURNDY installation tools are available and not all tools are listed. If you required additional information, please feel free to call us at 800-299-9769 or e-mail us at main@ltl.ca

* Use PUADP-1 adapter with U dies in Y46 HYPRESS, P-RT die sets for us in Y46 HYPRESS only. PUADP-1 adapter not required.

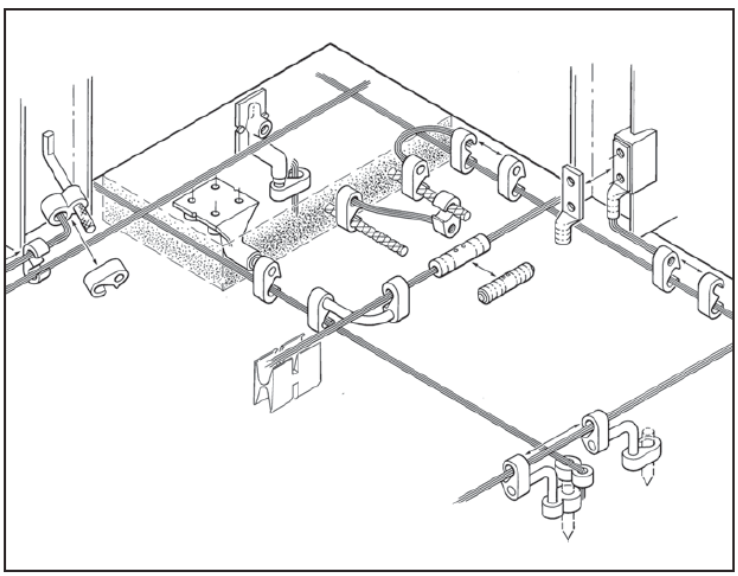
** 900 Compact Aluminum Cable not UL Listed. Tested with Y644HSXT and PAT644XT-18V dieless tools only.
NOTE: All dimensions shown are for reference only. Overlap crimps when using U Dies.

Burndy

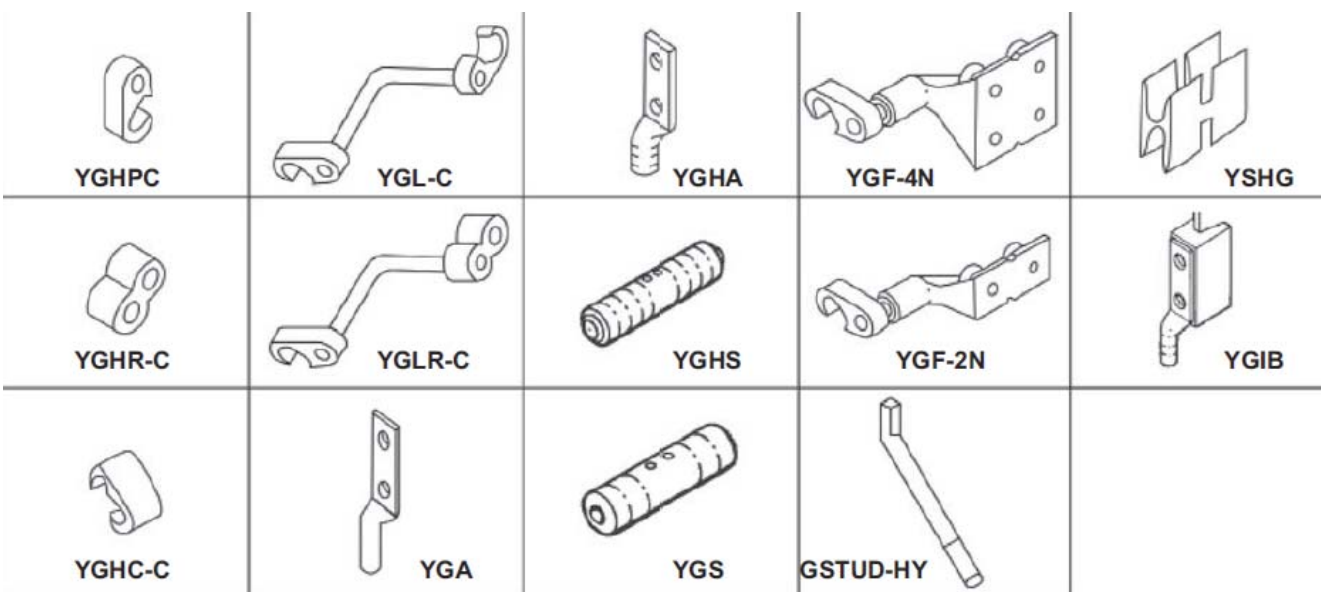
THE HYGROUND® IRREVERSIBLE COMPRESSION SYSTEM

BURNDY® has developed an irreversible compression ground system which meets the most stringent safety and performance requirements, including those of OSHA and nuclear power plant design. Performance excellence and long life expectancy are the system's basic design guidelines. It is a complete system which consists of connectors for grid cross connections, taps, splices, cable to ground rod, ground plates and terminations.
Our irreversible compression ground connectors employ well-proven design principles and technology that have been in existence for over 60 years.

Connectors are just one component of our Irreversible Compression Ground System. Installation tooling is also an intergral part of this system. BURNDY® pioneered the compression connector principle and continues today to be the leader in compression technology. Our tooling package is the most extensive in the industry and affords the user many options.



Legend

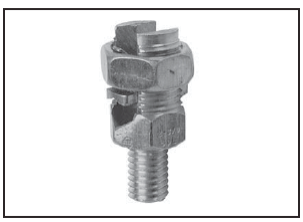


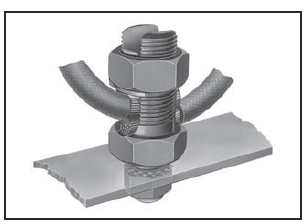
MECHANICAL GROUNDING CONNECTORS

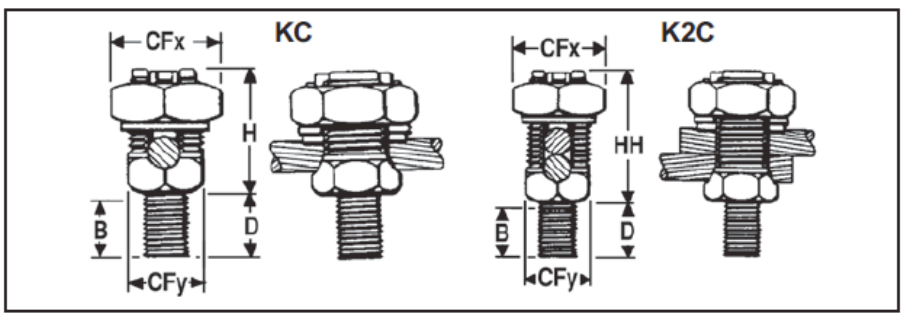
More than 60 years of technological innovation has made BURNDY mechanical grounding connectors one of the most widely used, highly respected lines in the industry. There is virtually no grounding application problem that this diversified line cannot help solve. All BURNDY mechanical grounding connectors have been designed for easy installation and for outstanding durability. Only the finest high copper alloys are used in their manufacture, ensuring top performance under the most extreme environmental conditions. UL467 Listed for direct burial applications in earth or concrete.

Types KC, K2C - For Copper Cable to Flat

SERVIT POST® used to ground one or two cables to steel structures, fence posts, transformers. Also used to tap one or two cables from bus bar. One-wrench installation.







Type KC One Wire	Type K2C One or Two Wires	Stranded	Solid	Stud Diameter	B	CFx	CFy	D	H	HH
KC15**	K2C15	12 AWG-9 AWG	12 AWG-8 AWG	1/4-20	3/8	1/2	3/8	1/2	5/8	7/8
KC15B1	K2C15B1	12 AWG -9 AWG	12 AWG-8 AWG	1/4-20	7/8	1/2	3/8	1/2	5/8	7/8
KC17	K2C17	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	3/8	5/8	7/16	1/2	7/8	1
KC17B1	K2C17B1	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	7/8	5/8	7/16	1/2	7/8	1
KC20	K2C20	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	13/32	11/16	1/2	5/8	7/8	1
KC20B1	K2C20B1	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	27/32	11/16	1/2	5/8	7/8	1-1/8
KC22	K2C22	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	15/32	3/4	5/8	5/8	1	1-1/4
KC22B1	K2C22B1	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	31/32	3/4	5/8	1-1/8	1	1-1/4
KC23	K2C23	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	15/32	13/16	5/8	5/8	1	1-3/8
KC23B1	K2C23B1	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	31/32	13/16	5/8	1-1/8	1	1-3/8
KC25	K2C25	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	9/16	15/16	3/4	3/4	1-1/8	1-5/8
KC25B1	K2C25B1	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	1-1/16	15/16	3/4	1-1/4	1-1/8	1-5/8
KC26	K2C26	2 AWG-1/0 AWG	2 AWG-3/0 AWG	1/2-13	17/32	1	7/8	3/4	1-3/8	1-7/8
KC26B1	K2C26B1	2 AWG-1/0 AWG	2 AWG-3/0 AWG	1/2-13	1-1/16	1	7/8	1-1/4	1-3/8	1-7/8
KC28	K2C28	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	3/4	1-1/2	1-3/16	1	1-3/4	2-1/4
kC28B1	K2C28B1	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
KC28G3	K2C28G3	1 AWG-350 kcmil	1 AWG-4/0 AWG	1/2-13	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
KC31	K2C31	1 AWG-350 kcmil	N/A	5/8-11	3/4	1-11/16	1-3/8	1	2-1/4	2-7/8
KC31B1	K2C31B1	1AWG-350 kcmil	N/A	5/8-11	1-1/4	1-11/16	1-3/8	1-1/2	2-1/4	2-7/8
KC34	K2C34	3/0 AWG-500 kcmil	N/A	3/4-10	1	2	1-5/8	1-1/4	2-3/8	3-1/4
KC34B1	K2C34B1	3/0 AWG-500 kcmil	N/A	3/4-10	1-1/2	2	1-5/8	1-3/4	2-3/8	3-1/4

Burndy

OVERHEAD DISTRIBUTION- Compression Tap Covers

For all O, D and N Die Tap Connectors

High density polyethylene cover accommodates most industry connectors in the O, D and N range. Four sizes cover the full #6-600 kcmil conductor range. One piece design. No extra hardware needed. Simply slip over connector and snap shut. Supplied in Black.

Part #	Maximum Connector Length	Connectors Series Accommodated
CCO	2-1/2	O Die
CCD	2-3/4	D Die
CCN	2-1/8	Short N Die
CCNL	5-3/16	Long N Die and YP28U26

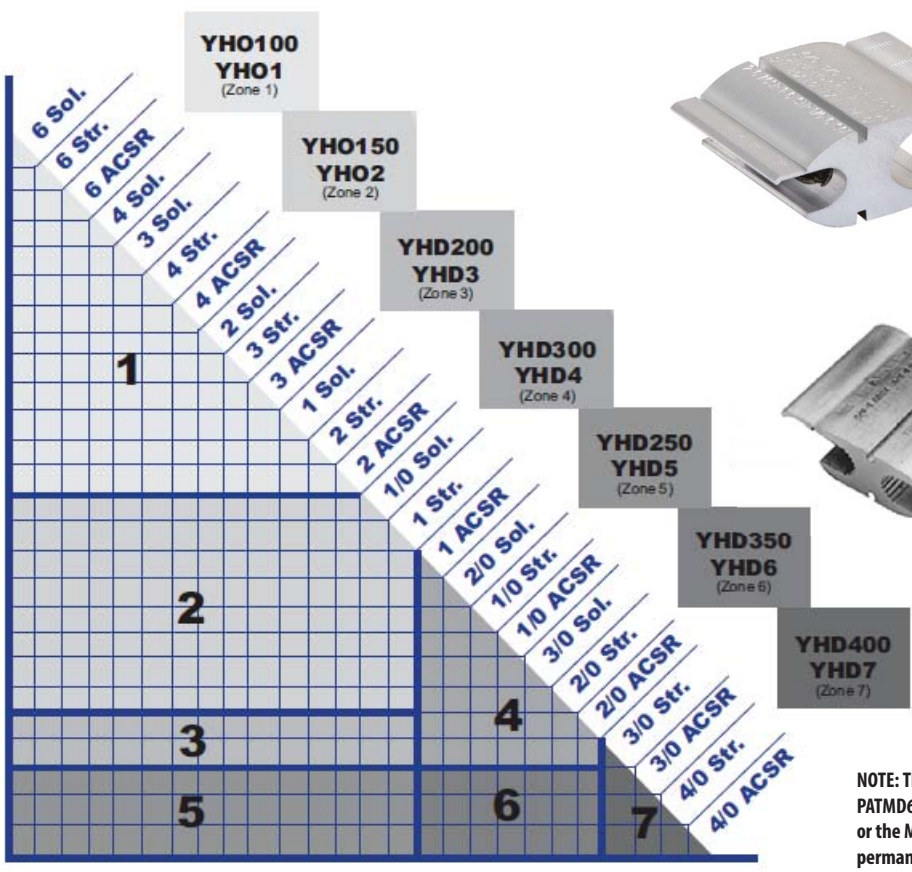
3 Simple Selection Steps for BURNDY® HYCRIMP™ and LOKTAP™ Compression Tap Connectors

1) Follow down from smaller wire

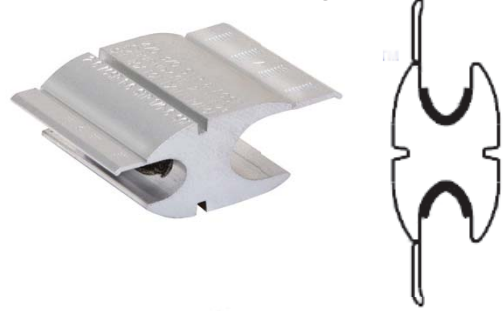
2) Go across from the larger wire

3) Intersection of the two shows the proper connector

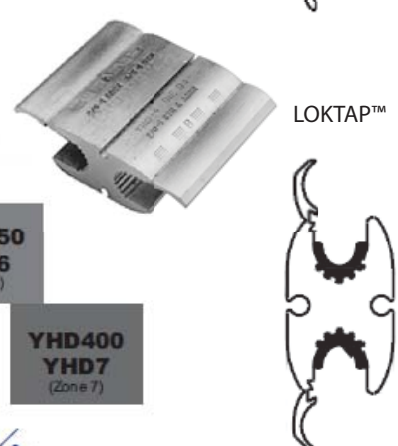
Example: #2 ACSR to #1/0 Stranded would fall in Zone 2; Part # YHO150 (HYCRIMP™) or YHO2 (LOKTAP™)



HYCRIMP™



LOKTAP™



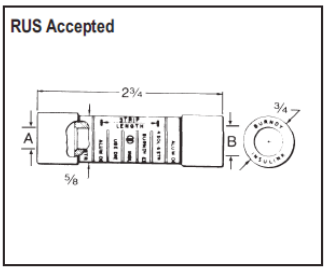
NOTE: The PATMD68LI (Li-Ion Battery), PATMD6814V (Nickel-Metal Hydride battery) or the MD6-8 hand-operated tool all feature permanent "O" and "D3" die grooves to crimp all connectors on this page!

OVERHEAD DISTRIBUTION - Compressions Splices - Service Entrance

TYPE ES - INSULINK™

Accommodates: AAC (STR, COMPRESSED, COMPACT**), COPPER, ACSR AND AAAC

Material: ALUMINUM (INSULATED)



Pre-insulated service entrance compression connector installed with OH25, OUR840 and MD6 HYTOOL as well as Y35 and Y750 HYPRESS™ tools. Polyethylene caps prevent dirt from accumulating in barrel, grip cable for easy two-hand installation, and seal out moisture. Aluminum connector is anchored to jacket, assuring the connector is under the die when crimping. Nylon jacket insulates connector electrically and protects against water and weather. Superior colour coding. Pre-filled with PENETROX™ joint compound and stripsealed to limit oxidation and to increase the life of the connection. Do not use insulated sealed connectors on bare conductors. Refer to LINKIT™ type connectors.

◊ Not for use on bare conductors
Δ Accommodates 1/0 stranded aluminum and copper, concentric, compressed and compact conductors.
** Accommodates compact conductors where stated in the table.
* For faster installations use BURNDY® PATRIOT® family of battery tools.

Part #	Side A ◊			Side B ◊			Die Index	Installation Tooling* (# of Crimps per End)			
	ACSR, 6201, 5005	Aluminum & Copper	Colour Code	ACSR, 6201, 5005	Aluminum & Copper	Colour Code		Dieless 0H25	MD6/MD7 Series	OUR840	Y35/Y750 Series
ES8W8W	-	10 Str. 8 Sol.	Brown	-	10 Str. 8 Sol.	Brown	BG or 5/8	(1)	WBG (1)*	XNBG (1)*	UBG (1)*
ES6W8W		8 Str. 6 Sol. #8 AL Compt	Green	-							
ES6W6W				-	8 Str. 6 Sol. #8 AL Compt	Green					
ES4W8W	6	5, 6 Str. 4 Sol.	Blue	-	10 Str. 8 Sol.	Brown					
ES4W6W				-	8 Str. 6 Sol. #8 AL Compt	Green					
ES4W4W				6	5, 6 Str. 4 Sol.	Blue					
ES2W8W	4	3, 4 Str. 2 Sol.	Orange	-	10 Str. 8 Sol.	Brown					
ES2W6W				-	8 Str. 6 Sol. #8 AL Compt	Green					
ES2W4W				6	5, 6 Str. 4 Sol.	Blue					
ES2W2W				4	3, 4 Str. 2 Sol.	Orange					
ES2R8W	2	1 Str. 2 Str. #1 AL Compt #2 AL Compt	Red	-	10 Str. 8 Sol.	Brown					
ES2R6W				-	8 Str. 6 Sol. #8 AL Compt	Green					
ES2R4W				6	5, 6 Str. 4 Sol.	Blue					
ES2R2W				4	3, 4 Str. 2 Sol.	Orange					
ES2R2R				2	1 Str. 2 Str. #1 AL Compt #2 AL Compt	Red					
ES25R6W	1/0, 1	1/0 Str. 1-19 Str.	Yellow	-	8 Str. 6 Sol. #8 AL Compt	Green					
ES25R4W				6	5, 6 Str. 4 Sol.	Blue					
ES25R2W				4	3, 4 Str. 2 Sol.	Orange					
ES25R2R				2	1 Str. 2 Str. #1 AL Compt #2 AL Compt	Red					
ESR25R25R				1/0, 1	1/0 Str.	Yellow					
ES25A25A	-	1/0 Str. Δ	Yellow	-							
ES25A4W	-			6	5, 6 Str. 4 Sol.	Blue					
ES25A2W	-			4	3, 4 Str. 2 Sol.	Orange					

Exiscan

XIR-A-4-H-X: XIR Series Infrared Window

- Keep energized electrical equipment closed during inspection with Exiscan's XIR Series Infrared window, and easily comply with CSA Z462, OSHA, NFPA 70E, and similar electrical safety mandates

More Structural Integrity

- Impact-resistant optic per UL and ANSI standards
- Body and cover machined from bar stock aluminum (stainless steel available)

More Viewing Area

- 4" x 4" aperture is 66% larger than similar sized round windows
- Square aperture does not "clip" camera's squared display
- Camera lens can be placed on window optic (as opposed to 2" back) for fuller field of view

More Accuracy

- Higher "flatter" LWIR Transmission curves for temperature accuracy
- Polymer optic remains stable over life of product without delicate sealants required

DIMENSION SPECS (NOM.)	
Body and Cover (LxH)	6" x 6"
Total Width (Body + Cover)	0.9"
Cover Thickness	0.4"
Aperture Dimension	4" x 4"
Aperture Area	16 sq. in.
TESTED/CERTIFIED	
UL 50V (IR Window Standard)	Yes
UL Type Rating / NEMA	Type 4
Ingress Protection (IP)	IP65
UL 746C (Impact & Flame Resistance)	Yes
ANSI/IEEE C37.20.2 Sec A.3.6 (Switchgear Window Impact Resistance)	Yes
ANSI/IEEE C37.20.7 Arc Resistance	Yes
CSA Compliant	Yes
MATERIAL SPECIFICATIONS	
Body and Cover Material	Aluminum: Anodized & Powder Coated
Backer Plate and Finger Guard	Stainless Steel
Hardware and Fasteners	Stainless Steel
Optic	Transmissive Polymer
Gaskets	Silicone & Neoprene
Cover Screws*	1/4-20Captive
TRANSMISSION COMPATIBILITY	
Mid wave and Long Wave Imagers	All Brands
Vibration	Unaffected
Broad Spectrum Acids / Alkalis	Unaffected
Humidity and Moisture	Unaffected
GENERAL	
Voltage Range	Low, Medium and High
Grounding	Automatically Grounds When Mounted to Grounded Panel/Door
Operating Temperature	-40°C to 150°C
Installation	Saw-Cut or Punch
Lifetime Warranty	Unconditional for Materials and Workmanship
Patent	Patent Pending: USA and International
Country of Origin	Made in the USA

Double Arming Bolt

- Used to secure two cable suspension clamps or other attachments on opposite sides of utility pole
- Each double arming bolt is supplied with four attached square nuts
- Bolt provided with cone point at each end to ease starting
- Hot dip galvanized to meet ASTM Specification A153

Part Number	Description
59750	3/8" X 8" - Minimum Tensile Strength: 4,650 lbf
59755	1/2" X 18" - Minimum Tensile Strength: 8,500 lbf.
8395	1/2" X 8" - Minimum Tensile Strength: 5/8" – 13,550 lbf., 3/4" – 20,050 lbf., 7/8" - 27,700 lbf.
	5/8" X 10"/12/14/16/18/20/22/24/28/30/32/34/36/40/42/44/46/48
59780	3/4" x 6"/10/12/14/16/18/20/22/24/2/28/30/32/34/36/38/40/42

Carriage Bolt

- Designed for use in square holes to keep the bolt from turning as the nut is tightened
- Once bolt is inserted in square hole, bolt is tightened without gripping the bolt head
- Manufactured from Grade 2 steel
- Hot dip galvanized to meet ASTM Specification A153
- Carriage Bolts are full threaded
- Supplied with attached square nut

Available Sizes:
3/16" x 1, 1.25 "
1/4" X 1.5, 2, 2.25, 2.5 "
5/16" X 1-1/4, 3"
3/8" X 2-1/2, 3, 4, 4.5, 5, 5.5, 6, 7, 8, 10, 12, 14 "
1/2" x 2-1/2, 4, 4.5, 4.75, 5, 5.5, 6, 7, 8"
5/8" x 2-1/2, 6"

5080: Cable Suspension Clamp

- Used to attach strand to straight line poles
- Accepts 1/4" (6.6M) to 7/16" (16M) strand
- Consists of two plates, and two 1/2"-13 track bolts with attached square nuts
- Plates are 1-11/16" wide and 5-3/4" long
- Center hole accepts 5/8" thru bolts
- Hot dip galvanized to meet ASTM Specification A153
- Conforms to Bell Specification CAO 8623

5080SS: Cable Suspension Clamp

- Used in high corrosive environments to attach strand to straight line poles
- All components constructed from high-strength 304 stainless steel

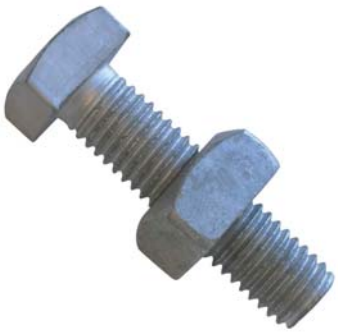
5082: Cable Suspension Clamp

- Used to attach strand to straight line poles
- Accepts 1/4" (6.6M) to 7/16" (16M) strand
- Consists of one hot rolled specialty shaped plate, one stamped flat plate, and two 1/2"-13 track bolts with attached square nuts
- Plates are 1-11/16" wide and 5-3/4" long
- Center hole accepts 5/8" thru bolts
- Hot dip galvanized to meet ASTM Specification A153

Allied Bolt

648: Square Head Machine Bolt

- Used for fastening poleline hardware to crossarms, poles, and other structures
- Bolt head marking (ABI) appears on head of each bolt, and is registered with the U.S. Patent and Trademark Office, per the Fastener Insignia Register Act
- Hot dip galvanized to meet ASTM Specification A153
- Supplied with attached square nut
- Minimum tensile strength:1,900 lb
- Minimum thread length is 1″



Available Sizes:
1/4″ x 1″
3/8″ X 1, 1.25, 1.5, 2, 2.5,3, 4,4.5, 5, 5.5, 6, 7″
1/2″ X 1, 1.25, 1.5,1.75, 2, 2.5, 3, 4, 4.5, 5, 6, 7, 8, 8, 10, 12, 14, 16,18, 20, 22, 24″
5/8″ x 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20,22,24,26,28,30,32,34,36,40″
3/4″ X 2, 3,4,6,7,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,″
7/8″ X 3, 12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48″
1″ X 12, 14,16,18,20,22,24,26,28,30,32,34,36″
NOTE: Bolts over 6″ long have a cone point

2055: 3/4″ Standard Eyelet

- Used with machine bolts for dead-ending
- Forged from high strength AISI 1018 Steel
- Slot size is 13/16″ x 1-1/8″
- Height is 4-1/8″
- Hot dip galvanized to meet ASTM Specification A153

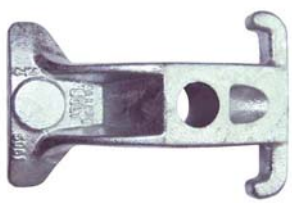
1429: Pole Plate and End Fitting for 2″ Pipe Kit

- These malleable iron fittings are used with standard pipe near sidewalks and buildings where there is insufficient space for standard guying and where head clearance must be maintained
- Pole Plates consist of a malleable iron fitting, and a 1/2″ x 1″ bolt
- Pole Plates are provided with a curved flange and 9/16″ mounting holes
- End Fitting for 2″ pipe is provided with two malleable castings, two 1/2″ x 2″ Hex Bolts and one 1/2″ x 1″ Hex Bolt
- All components are hot dip galvanized to meet ASTM Specification A153

5060: 5/8" B Guy Hook

- Used as a means of attaching guy wire to poles
- Casted from ductile iron
- 45° ultimate strength of 10,000 lb.
- Conforms to Bell Specification CAO 7909
- Hot dip galvanized to meet ASTM Specification A153

5061: 3/4" B Guy Hook



- Used as a means of attaching guy wire to poles
- Casted from ductile iron
- 45° Ultimate Strength of 15,000 lb.
- Conforms to Bell Specification CAO 7909
- Hot dip galvanized to meet ASTM Specification A153

5875: 1/2"-13 Oval Eye Nut

- Used for dead-ending and guying from the threaded ends of crossarm bolts
- Forged from AISI 1018 steel
- Hot dip galvanized to meet ASTM Specification A153

9" Solid Square Hub Single Helix Power Driven Anchor 1-3/8" Hub 4000 lb. for 5/8" Rods

- Installation is performed using a power digger. An anchor wrench fits over the anchor hub and a torque measurement device is required to determine proper installation
- Correct installation is achieved only when the anchor is installed using the appropriate torque for the particular soil and anchor type (see reference charts)
- Proper anchor selection depends on the type of soil and guying requirements
- Installation torque is usually measured using a device connected in series with the wrench, digger, and Kelley Bar during installation
- Anchors are painted with rust-inhibiting blue paint after fabrication

8" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 5/8" RODS

8" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 3/4" & 1" RODS

10" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 5/8" RODS

10" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 3/4" & 1" RODS

12" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 3/4" & 1" RODS

12" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 4000LB FOR 5/8" RODS

8" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 6000LB FOR 3/4" & 1" RODS

8" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 6000LB FOR 5/8" RODS

10" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 6000LB FOR 5/8" RODS

10" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 6000LB FOR 3/4" & 1" RODS

12" SOLID SQUARE HUB SINGLE HELIX POWER DRIVEN ANCHOR 1-3/8" HUB 6000LB FOR 5/8" RODS

Pole Line Hardware

3490: 8" Solid Square Hub Twin Helix Power Driven Anchor 1-3/8" Hub 4000 lb for 3/4" and 1" Rods

- Installation is performed using a power digger. An anchor wrench fits over the anchor hub and a torque measurement device is required to determine proper installation
- Correct installation is achieved only when the anchor is installed using the appropriate torque for the particular soil and anchor type (see reference charts)
- Proper anchor selection depends on the type of soil and guying requirements
- Installation torque is usually measured using a device connected in series with the wrench, digger, and Kelley Bar during installation
- Anchors are painted with rust-inhibiting blue paint after fabrication

3500: 2 1/4" Socket Anchor 8000 lb 8" Helix for 5/8" Rods

- Installation is performed using a drive wrench which fits into the anchor hub
- Proper anchor selection depends on the type of soil and guying requirements
- The anchors have a 3" helix pitch
- Installation uses standard tools
- Anchors are painted with rust-inhibiting blue paint after fabrication

5/8" Single Nut for Power Drive Anchor Rods

- Used in conjunction with anchor rods for helical anchors
- Eye nuts are forged from high strength 1045 Steel
- Tapped .695"-11 UNS-2B
- Hot dip galvanized to meet ASTM Specification A153

19020: 6" Expanding Anchor for 1/2" or 5/8" Rod

- Offers excellent holding power with minimal soil disturbance
- A two-piece assembly that consists of a curved base plate and an integral unit with eight expanding blades
- Black paint is applied for maximum corrosion-resistance
- Formed metal cavity on the underside of the curved base unit accepts the nut of the guy rod when assembling the anchor
- The blades expand in a lateral motion by forcing the curved blades against the curved base
- Manufactured from AISI 1018 steel

3950: 16" Crossplate Anchor for 5/8" or 3/4" Rod

- Anchor is comprised of 2 stamped plates that are welded together
- Each plate has reinforcing ribs for extra strength
- A nut retainer is welded to the bottom plate for accepting the heavy square nuts of anchor rods
- Designed for use in holes made by power augers
- Holding power of the anchor is not affected by size of the hole
- Can be installed using the same auger used for the pole itself
- The anchor is installed in a diagonally bored hole so that the anchor is at a right angle to the guy
- Anchor is coated with paint for longevity

Anchor Rod and Coupling Nut Assembly

- Used in conjunction with internally tapped earth anchors
- Anchor rods are forged from AISI 1045 steel to ensure high tensile strength
- Coupling nuts are forged from high strength 1045 steel
- Hot dip galvanized to meet ASTM Specification A123
- Butt of rod marked with "ABI" for identification

5/8" X 3-1/2' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

5/8" X 7' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

3/4" X 3-1/2' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

3/4" X 7' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

1" X 3-1/2' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

1" X 7' ANCHOR ROD WITH ASSEMBLED COUPLING NUT

Anchor Rod and Eye Nut Assemblies for Helical Anchors

Image shown: 3603

- Used in conjunction with internally tapped earth anchors
- Anchor rods are forged from AISI 1045 Steel to ensure high tensile strength
- Eye nuts are forged from high strength 1045 steel
- Hot dip galvanized to meet ASTM specification A123
- Butt of rod marked with "ABI" for identification

5/8" X 3-1/2' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

5/8" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

5/8" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

5/8" X 7' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

5/8" X 7' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

5/8" X 7' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

3/4" X 3-1/2' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

3/4" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

3/4" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

3/4" X 7' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

3/4" X 7' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

3/4" X 7' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

1" X 3-1/2' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

1" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

1" X 3-1/2' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

1" X 7' ANCHOR ROD WITH ASSEMBLED SINGLE EYE NUT

1" X 7' ANCHOR ROD WITH ASSEMBLED TWIN EYE NUT

1" X 7' ANCHOR ROD WITH ASSEMBLED TRIPLE EYE NUT

Anchor Rod for Helical Anchors

Image shown: 3420

- Used in conjunction with internally tapped earth anchors and couplings or eye nuts
- Anchor rods are forged from AISI 1045 Steel to ensure high tensile strength
- Hot dip galvanized to meet ASTM Specification A123
- Butt of rod marked with "ABI" for identification

3420	**5/8" X 3-1/2' ANCHOR ROD FOR HELICAL ANCHORS**
3423	**5/8" X 7' ANCHOR ROD FOR HELICAL ANCHORS**
3421	**3/4" X 3-1/2' ANCHOR ROD FOR HELICAL ANCHORS**
3424	**3/4" X 7' ANCHOR ROD FOR HELICAL ANCHORS**
3422	**1" X 3-1/2' ANCHOR ROD FOR HELICAL ANCHORS**
3425	**1" X 7' ANCHOR ROD FOR HELICAL ANCHORS**

Coupling Nut

- Used to join two Helical Anchor Rods
- Coupling nut is formed from AISI 4130 Seamless tubing
- Coupling nuts are 2" in length
- Hot dip galvanized to meet ASTM specification A153

5052	**COUPLING NUT FOR 5/8" ANCHOR RODS**
5053	**COUPLING NUT FOR 3/4" AND 1" ANCHOR RODS**

Image shown: 5053

LTL TRUSTED SINCE 1958

ltlutilitysupply.com

Rainbow Technology

Pole Setting Foam

- A hydrophobic two-part polyurethane foam that expands to fill the peripheral void between a utlity pole and the hole
- Displays excellent adhesion to all pole types without the use of primers, including wood, concrete, fiberglass, steel, and decorative street lighting
- Expanding foam fills in all voids
- Replaces traditional method of backfilling distribution and transmission poles during installation
- Low density, high strength foam can structurally support the pole and maintain its upright position
- Environmentally friendly; does not contain CFC's
- Sets the pole in 10-15 minutes with strengths 3-4 times that of tamped soil
- Foam expands 15 times its original volume and sets the pole in 3 minutes to create solid foundation material


Prepare hole for pole


Pour Part B container into Part A container


Mix together


Pour mixture into prepared hole with pole


Let sit for 15 minutes; hardware is ready to be strung

79698	**Case of 5**
79701	**2 - 1 Cubic Foot kit**
79702	**1- 2 Cubic Feet Kit**
79703	**1 - 3 Cubic Feet Kit**
79705	**1 - 5 Cubic Feet Kit**
79706	**1 - 6 Cubic Feet Kit**
79707	**1 - 7 Cubic Feet Kit**
79709	**1 - 9 Cubic Feet Kit**

4305: Rainbow Cleaner & Degreaser

- Highly concentrated citrus formula
- Ideal for general purpose cleaning on tools and equipment
- Removes cable filling compounds, grease, oil, grime, printing inks, and more
- Non-corrosive; safe for painted and non-painted surfaces

20 Oz. Aerosol Case of 12

4480: Fire Ant & Insect Killer

- Granular insecticide protects equipment and personnel from insect damage and injury
- Non-conductive and non-corrosive
- Provides long lasting protection from ants, black widow spiders, brown recluse spiders, crickets, fire ants, fleas, millipedes, roaches, scorpions, silverfish, sowbugs, ticks, waterbugs, and soil-infesting insects

100 - 4 oz. Single Application Bags

5 Shaker Cans, 6 lb. Each

87020: Fast Dry Contact Cleaner, 16 oz (case of 12)

- Rainbow's most powerful cleaner available
- Quickly and effectively cleans sensitive electric and electronic components
- Ideal for applications where lower flashpoint solvents may be used
- Flammable