

### LIGHTNING PROTECTION INFO.

Basic rules for selection are:

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|--|---|--|
| <ol style="list-style-type: none"> <li>1. Must be like material to the conductor.</li> <li>2. Two bolts to ground rod - minimum.</li> <li>3. Cable to cable connections can be anything, one bolt, two bolt, compression, etc.</li> <li>4. Cable to steel structure must have 8 square inch contact with steel.</li> </ol> | <ol style="list-style-type: none"> <li>5. Heavy duty stacks - mechanical only.</li> <li>6. On all connectors with heavy duty stack rating, we must offer 1/16" thick lead plating as an option. The reason for that is closest 25 ft. to stack opening must use lead coated product.</li> </ol> | <ul style="list-style-type: none"> <li>~ Complies with NFPA 78-86 Ordinary Structures.</li> <li>~ ~ Complies with NFPA 78-86 Heavy Duty Stacks. (Order: LD for Lead Plating for Heavy Duty Stack applications.)</li> </ul> |
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### SPECIAL FEATURES

Other features are also available for products listed, such as undrilled or special drilling, 45° or 90° pad angles, bellling for extra flexible cable, smooth or special threaded studs, special label-

ing or packaging, extra long braid, and nuclear certification. Please contact BURNDY Customer Service for any inquiries.

**ALL OTHER SPECIAL REQUESTS  
PLEASE CONTACT  
BURNDY CUSTOMER SERVICE  
1-800-346-4175**

### REVOLUTIONARY BURNDY® DESIGN MEETS STRICT UL486B STANDARDS

For use on all combinations

- Aluminum to aluminum
- Aluminum to copper
- Copper to copper

Patented

**... and puts the bite on  
aluminum connections  
forever!**



**Unique "bite and grip"  
TRITAP™ SERVIT® contact  
delivers safe, long-term  
reliability — even without  
scratch brushing ... without  
oxide inhibiting compounds.†**

† When used in NEC applications of insulated cables only.

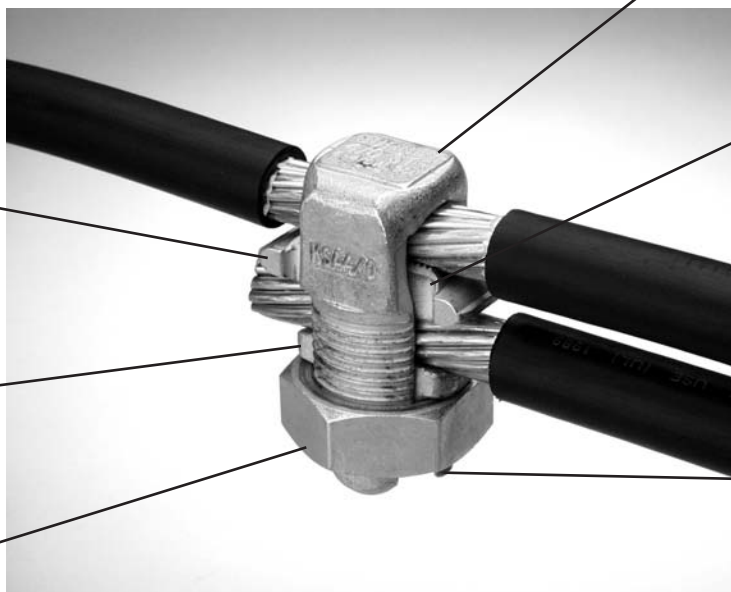
Available in sizes from #10 through 500 kcmil

Triangular edges bite into cable to break through surface oxides:

- provide low contact resistance
- produces gas tight seal

Tin-plated contact surface inhibits oxide formation

Special heat-treated hard, aluminum alloy



Spacer provides built-in separation to retard galvanic corrosion

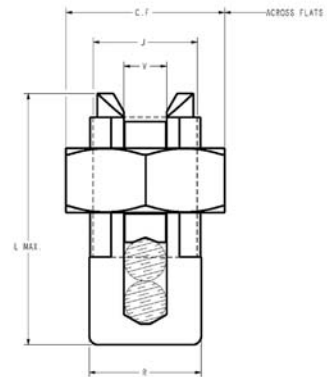
Anti-galling, high efficiency threaded components result in high contact force. Easily installed using standard, everyday wrenches.

## TYPES KS &amp; KS-3

## SERVIT®

For Copper, Copperweld

Compact, high strength, high copper alloy SERVIT® split-bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® provides maximum pressure and assures a secure connection on all combinations of run and tap conductors. Type KS-3 accommodates 3 maximum size conductors.



Catalog Number	Cross Flats	L	W	Conductor						▲ Recommended Tightening Torque (in-lb)
				Copper		Copperweld				
				Equal Run & Tap	Min Tap with Max Run	Maximum Run and Tap				
Sol.	Str.	Type A	Type D							
† <b>KS90</b>	0.50	0.85	0.38	12 - 10 Str.	16 Str.	#10	—	—	—	80
† <b>KS15</b>	0.50	0.85	0.38	10 - 8 Str.	14 Str.	#8	—	—	—	80
† <b>KS17</b>	0.63	1.14	0.45	8 Str. - 6 Sol.	14 Str.	#6	3 #12	8A	9-1/2D	165
* <b>KS17-3</b>	0.62	0.98	0.70	8 Str. - 6 Sol.	16 Str.	#6	3 #12	8A	9-1/2D	165
† <b>KS20</b>	0.69	1.20	0.51	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D	165
* <b>KS20-3</b>	0.68	1.17	0.78	8 Str. - 4 Sol.	14 Str.	#4	3 #10	6A	8D	165
† <b>KS22</b>	0.75	1.50	0.60	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D	275
* <b>KS22-3</b>	0.74	1.33	0.84	6 Str. - 2 Sol.	14 Str.	#2	3 #8	4A	6D	275
† <b>KS23</b>	0.82	1.54	0.62	6 Str. - 2 Str.	14 Str.	#1	3 #7	3A	5D	275
† <b>KS25</b>	0.94	1.77	0.73	4 Str. - 1/0 Str.	14 Str.	2/0	3 #5	2A	4D	385
† <b>KS26</b>	1.05	1.94	0.82	2 Str. - 2/0 Str.	14 Str.	3/0	7 #7	—	—	385
† <b>KS27</b>	1.36	1.86	1.17	1 Str. - 3/0 Str.	8 Sol.	—	—	—	—	500
† <b>KS29</b>	1.36	2.07	1.17	1 Str. - 250	8 Str.	4/0	7 #5	—	—	650
† <b>KS31</b>	1.70	2.51	1.41	1/0 Str. - 350	1/0 Str.	—	19 #8	—	—	650
† <b>KS34</b>	1.82	2.79	1.48	2/0 Str. - 500	2/0 Str.	—	19 #6	—	—	825
<b>KS39</b>	2.31	3.29	1.94	4/0 Str. - 750	4/0 Str.	—	19 #5	—	—	1000
<b>KS44</b>	2.56	3.73	2.19	300 - 1000	4/0 Str.	—	—	—	—	1100

▲ Listed torque values are for maximum conductor combinations accommodated. Consult UL486 Tables 7-4, 7-5, 7-6 for smaller conductor combinations.

See note LIGHTNING PROTECTION INFO.

\* Not UL Listed or CSA Certified.

† In addition to UL Listed for wire connectors and CSA Certified, these items are also UL rated for direct burial.

## TYPE SC

## SERVIT® COVER

## HUG-A-BUG

Used indoors or outdoors, this compact, one-piece plastic SERVIT® cover saves time and material, eliminates costly taping of split-bolts. Positive latch snaps easily and quickly over connector, ideal for tight quarters. Self-positioning plastic fingers wrap around wires fully insulating joint. UL Listed for 600 volt indoor application with type KS. Three covers accommodate a range of 6 SERVIT® sizes through 2/0 Str.



Catalog Number	For Use With
SC4	KS17, KS17-3, KS20, KSU17, KSU20
SC2	KS22, KS20-3, KS23, KS22-3, KSA6, KSA4, KSU22, KSU23
SC2/0	KS25, KS26, KSA2, KSA1/0, KSU25, KSU26