

Compression Connectors for Copper Conductor

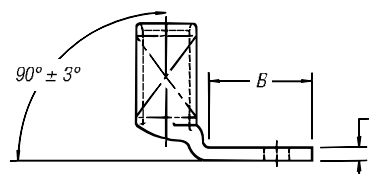
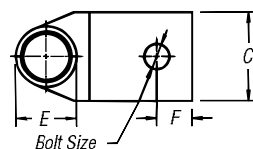
One-Hole Lugs — 90° Long Barrel 600V to 35kV

Material: High-Conductivity
Wrought Copper

Finish: Electro Tin Plate



Peep Holes Available!
Add suffix -PH



CAT. NO.	WIRE SIZE			DIMENSIONS (IN.)					DIE CODE	DIE COLOR
	CODE	FLEX CLASS G, H, I, K, M†	BOLT SIZE	B	C	D	E	F		
54929BEUB	#8 AWG	23 Navy, #8 Flex	#10	.65	.42	.08	.26	¼	21	RED
54930BEUB		37/24 = 14.9 kcmil	¼	.65	.42	.08	.26	¼	21	
54904BEUB	#6 AWG	61/24 = 24.6 kcmil	#10	.65	.44	.08	.30	¼	24	BLUE
54905BEUB		#6 Flex, 30 Navy	¼	.65	.44	.08	.30	¼	24	
54908BEUB	#4 AWG	40–50 Navy, #4 Weld	#10	.65	.52	.10	.37	¼	29	GRAY
54906BEUB		#5, 91/24 = 36.7 kcmil	¼	.65	.52	.10	.37	¼	29	
54933BEUB	#2–3 AWG	125/24 = 50.4 kcmil	#10	.65	.59	.11	.41	¼	33	BROWN
54942BEUB		60 Navy, #3 Weld	⅝	.88	.59	.11	.41	⅜	33	
54945BEUB	#1 AWG	75 Navy, #2 Weld	#10	.65	.68	.11	.47	¼	37	GREEN
54947BEUB		150/24 = 60.5 kcmil	⅝	.88	.68	.11	.47	⅜	37	
54946BEUB	1/0 AWG	100 Navy	#10	.65	.75	.13	.52	¼	42	PINK
54949BEUB		225/24 = 90.8 kcmil	⅝	.88	.75	.13	.52	⅜	42	
54909BEUB		#1 Weld	¾	.93	.75	.13	.52	⅜	42	BLACK
54950BEUB			½	1.25	.75	.13	.52	½	42	
54910BEUB	2/0 AWG	125 Navy, 1/0 Weld	¾	.93	.83	.13	.57	⅜	45	ORANGE
54951BEUB		275/24 = 111 kcmil	½	1.25	.83	.13	.57	½	45	
54965BEUB	3/0 AWG	325/24 = 131 kcmil, 150 Navy, 2/0 Weld	½	1.25	.92	.13	.63	½	50	
54970BEUB04	4/0 AWG	200 Navy	¼	1.00	1.03	.14	.70	¼	54	PURPLE
54970BEUB06		450/24 = 182 kcmil	¾	1.13	1.03	.14	.70	⅜	54	
54970BEUB		3/0 Weld	½	1.25	1.03	.14	.70	½	54	
54913BEUB	250 kcmil	550/24 = 222 kcmil, 250 Navy, 4/0 Weld	½	1.25	1.13	.14	.77	½	62	YELLOW
54914BEUB	300 kcmil	300 Navy, 250 Weld, 262, 650/24	½	1.25	1.25	.15	.85	½	66	WHITE
54915BEUB	350 kcmil		½	1.25	1.36	.18	.93	½	71	RED
54916BEUB	400 kcmil	400 Navy, 300 Weld	½	1.25	1.41	.17	.96	½	76	BLUE
54917BEUB		775/24 = 313 kcmil, 350, 259 Str.	¾	1.58	1.41	.17	.96	⅝	76	
54918BEUB	500 kcmil	925/24 = 373 kcmil	½	1.25	1.61	.22	1.10	½	87	BROWN
54919BEUB		400 Weld, 350, 3458 Str.	¾	1.58	1.61	.22	1.10	⅜	87	
54921BEUB	600 kcmil	450 I, K	½	1.25	1.75	.24	1.20	½	94	GREEN
54920BEUB		1100/24 = 444 kcmil	¾	1.58	1.75	.24	1.20	⅝	94	
54922BEUB	750 kcmil	1325/24 = 535 kcmil	½	1.25	1.94	.27	1.33	½	106	BLACK
54923BEUB		500 Weld	¾	1.58	1.94	.27	1.33	⅝	106	
58984BEUB	900 kcmil	1600/24 = 646 kcmil	¾	1.58	1.94	.27	1.33	⅝	106	YELLOW
58926BEUB		1925/24 = 777 kcmil	¾	1.58	2.17	.31	1.50	¾	115	
54928BEUB	1000 kcmil		¾	1.58	2.27	.30	1.55	¾	125	N/A
54928BEUB12			¾	1.83	2.37	.30	1.55	¾	125	

† Contact Technical Services for specific stranding listings

Tooling: pp. F-80–F-100 Die Selector Chart: pp. F-101–F-104

Overview

Order Form

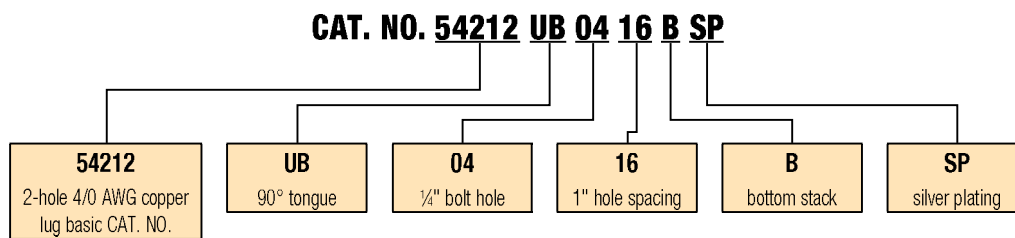
Catalog No. _____ Qty. _____
(For 54100, 54200, 54800 & 54900 Series Copper Lugs Only)

Design Controls and Requirements

All "MADE-UP" catalog numbers start with a standard or basic catalog number and are followed by the customer-required extra features: tongue shape, bolt hole size, distance between bolt holes, stacking, plating and inspection hole (peep hole). A code letter or a number has been assigned to each extra feature. See CODE TABLE.

Notes: 1) Lack of any of the extra features on the "MADE-UP" catalog number means that the standard Cat. No. features are prevalent.

2) If either bolt hole size or distance between bolt holes needs to be changed from standard Cat. No., both code numbers will appear on the "MADE-UP" Cat. No.
(See example below)



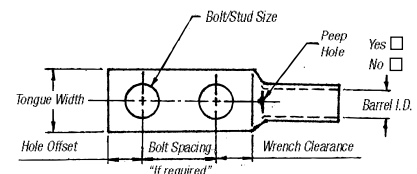
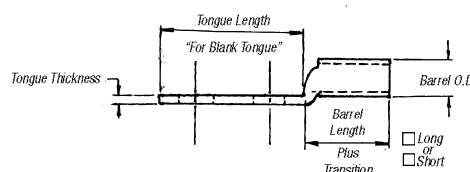
Code Table

TONGUE SHAPE		BOLT HOLES		BOLT HOLE CENTERS		STACKING		FINISH (PLATING)		INSPECTION HOLE (LONG BARREL)		INSPECTION HOLE (SHORT BARREL)		
TYPE	CODE	SIZE	.020	CODE	DISTANCE .015	CODE	TYPE	CODE	TYPE 1	CODE	I.D.	CODE	I.D.	CODE
15°	UI	#8	.173	02	½"	08	Top	T**	Silver Plate	SP	Peep Hole	PH	Blind End	BE
30°	UT	#10	.204	03	⅝"	10	Bottom	B	Lead Plate	LP				
45°	UF	¼"	.281	04	¾"	12			Nickel Plate	NP				
60°	US	⅝"	.344	05	⅞"	14			Plain Finish	PF				
90°	UB	⅜"	.406	06	1"	16			No Marking	NM				
Blank	BT	½"	.531	08	1⅝"	18			Not QTP if					
(No Bolt Hole)		⅝"	.656	10	1¼"	20			suffix other					
		¾"	.812	12	1⅜"	22			than - PF or					
		⅞"	.937	14	1½"	24			standard					
		1"	1.062	16	1⅞"	26			tin plate					
					1¾"	28								
					1⅞"	30								
					2"	32								

* These bolt centers not available for bolt holes larger than 1 3/8".

** Not required for 45° & 90° top stacking.

Cable		Code ☐	Weld ☐
☐ #8	☐ #6	☐ #4	
☐ #2	☐ #1	☐ 1/0	
☐ 2/0	☐ 3/0	☐ 4/0	
☐ 250 kcmil & up (Code Only)			

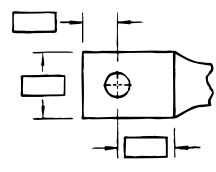


Overview

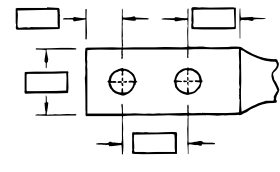
Tongue Specifications — See Chart “A” For Dimensions

Stud Sizes

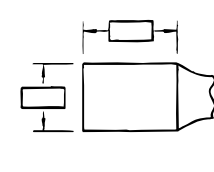
- ☐ #8 ☐ #10 ☐ ¼"
- ☐ ⅜" ☐ ⅝" ☐ ½"
- ☐ ⅞" ☐ ¾" ☐ 1"



☐ Single Hole



☐ Double Hole



☐ Blank

Chart A

NOMINAL BOLT HOLE SIZE .015	HOLE OFFSET .030	WRENCH CLEARANCE MIN.	TONGUE WIDTH CABLE SIZE										
			#8 CODE #8 WELD	#6 CODE #6 WELD	#4 CODE	#2 CODE #4 WELD	#1 CODE #2 WELD	1/0 CODE #1 WELD	2/0 CODE 1/0 WELD	3/0 CODE 2/0 WELD	4/0 CODE 3/0 WELD	250 CODE	
#8	.173	.200	.240	.406	.437	.562	.593	.672	.750	.825	.937	1.030	1.125
#10	.204	.218	.250	.406	.437	.562	.593	.672	.750	.825	.937	1.030	1.125
¼	.281	.250	.312	.469	.500	.562	.593	.672	.750	.825	.937	1.030	1.125
⅜	.344	.375	.406	.562	.562	.562	.675	.672	.750	.825	.937	1.030	1.125
½	.406	.375	.440	.578	.578	.594	.675	.672	.750	.825	.937	1.030	1.125
⅝	.531	.500	.562	—	—	—	.750	.750	.750	.825	.937	1.030	1.125
¾	.656	.625	.875	—	—	—	—	—	—	—	.937	1.030	1.125
⅞	.812	.750	.770	—	—	—	—	—	—	—	—	—	—
⅞*	.937	.875	.890	—	—	—	—	—	—	—	—	—	—
1*	1.062	.937	1.000	—	—	—	—	—	—	—	—	—	—

* These bolt holes available in one-hole lug only.

Chart B

CABLE SIZE	TONGUE THICKNESS	STRAIGHT LUG BARREL LENGTH PLUS TRANSITION		BARREL		DIM "X" STACKED LUGS			DIM "Y"		DIM "H"	
		SHORT	LONG	O.D.	I.D.	STRAIGHT	45°	90°	SHORT	LONG	SHORT	LONG
#8	.080	.635	.935	.260	.180	.158	.478	.394	.595	.808	.779	1.079
#6	.081	.675	.975	.296	.215	.134	.544	.432	.587	.799	.767	1.067
#4	.099	.685	.985	.365	.266	.175	.622	.502	.637	.849	.838	1.138
#2	.108	.815	1.115	.410	.302	.216	.649	.535	.711	.923	.958	1.258
#1	.106	.825	1.275	.467	.361	.212	.731	.592	.710	1.028	.956	1.406
1/0	.125	.975	1.325	.520	.396	.250	.789	.646	.794	1.042	1.075	1.425
2/0	.125	.965	1.315	.571	.446	.250	.859	.696	.829	1.077	1.125	1.475
3/0	.125	1.085	1.435	.632	.507	.250	.946	.757	.900	1.148	1.225	1.575
4/0	.137	1.255	1.705	.701	.564	.274	1.031	.826	1.015	1.333	1.387	1.837
250	.137	1.375	1.925	.766	.629	.274	1.123	.891	1.085	1.474	1.487	2.037
300	.153	1.900	2.675	.850	.660	.459	1.226	.975	1.180	1.726	1.924	2.679
350	.177	2.090	2.896	.926	.720	.531	1.333	1.103	1.267	1.830	2.096	2.896
400	.173	2.460	2.980	.960	.757	.519	1.370	1.085	1.551	1.913	2.484	2.984
500	.218	2.670	3.610	1.100	.852	.654	1.514	1.225	1.629	2.266	2.669	3.619
600	.244	2.900	3.490	1.200	.926	.732	1.630	1.325	1.762	2.147	2.897	3.497
700	.228	2.784	—	1.255	.997	.684	1.662	1.375	1.780	—	3.011	—
750	.270	3.050	3.925	1.330	1.030	.810	1.745	1.455	1.827	2.434	3.050	3.925
800	.266	3.213	—	1.375	1.079	.800	1.728	1.625	1.952	2.787	3.213	4.554
900	.313	3.450	4.550	1.500	1.145	.940	1.900	1.650	2.065	—	1.387	—
1,000	.297	3.356	4.500	1.550	1.203	.890	2.070	1.675	2.031	2.787	1.487	4.506

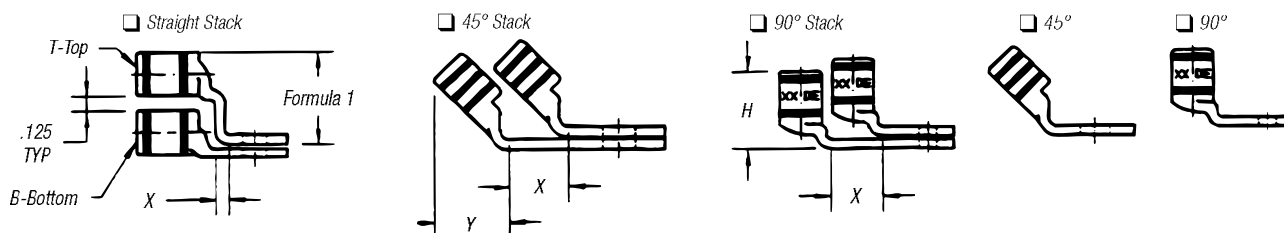
Note: Stacking lugs are available for one bolt only.

Consult Factory: Straight: 700 kcmil & up.

45°: 400 kcmil & up

90°: 500 kcmil & up

Overview



Formula 1 = (.125 + 2 (OD) + .037 – Tongue Thickness)

Chart C

TONGUE WIDTH .030 CODE CABLE SIZE											
BOLT HOLE SIZE	300 KCMIL 4/0 WELD	350 KCMIL	400 KCMIL	500 KCMIL 400 WELD	600 KCMIL 500 WELD	1325/24	700 KCMIL	750 KCMIL	800 KCMIL	900 KCMIL	1000 KCMIL
#8	—	—	—	—	—	—	—	—	—	—	—
#10	—	—	—	—	—	—	—	—	—	—	—
¼	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
⅜	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
½	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
¾	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
⅞	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
1*	—	—	—	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
1*	—	—	—	—	1.745	1.805	1.840	1.935	2.010	2.180	2.265

* These bolt holes available in one-hole lug only.