

Copper mechanical conductors

LOCKTITE® cone screw lugs and HINJON junior tee-parallel taps



High pull-out strength and low resistance.

- Conically shaped screw compresses copper conductor so each strand is forced to carry its share of the load

- Exerts equal pressure on each conductor strand
- For use with code copper conductor (600 V)

LOCKTITE cone screw lugs



Diagrams	Cat. no.	Wire range (AWG or kcmil)	Dimensions (in.)							Torque (in.-lbs.)
			G	A	B	C	D	E	F	
	71003	14-8	#10	$1\frac{3}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{3}{32}$	$\frac{3}{8}$	$\frac{3}{16}$	20*
	71005	14-4	$\frac{1}{4}$	$1\frac{5}{32}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{1}{8}$	$\frac{19}{32}$	$\frac{9}{32}$	35*
	71010	4-2/0	$\frac{3}{8}$	$1\frac{21}{32}$	$\frac{27}{32}$	$\frac{23}{32}$	$\frac{3}{16}$	$\frac{25}{32}$	$\frac{3}{8}$	150
	71014	2-4/0	$\frac{3}{8}$	$1\frac{7}{8}$	$\frac{29}{32}$	$1\frac{5}{16}$	$\frac{3}{16}$	$\frac{31}{32}$	$\frac{3}{8}$	200
	71015	1-250	$\frac{3}{8}$	$2\frac{1}{32}$	$\frac{29}{32}$	1	$\frac{7}{32}$	1	$\frac{3}{8}$	250
	71020	2/0-500	$\frac{1}{2}$	$2\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{11}{32}$	$\frac{9}{32}$	$1\frac{15}{32}$	$\frac{9}{16}$	300

Add suffix G to lug Cat. No. 71003, 71005, 71010 and 71014 for lug with green screw for grounding identification. UL File No. E-9609. *Indicates screwdriver torque; all others indicate torque wrench.



The most economical, easiest to install, approved connector for large to small branch taps.

- All-around-grip jaws
- Automatically adjusts to size of main and branch

- Fast, simple installation with just a screwdriver or pliers
- Fitting can be easily taped

HINJON junior tee-parallel taps



Diagrams	Cat. no.	Cable size (AWG or kcmil)		Dimensions (in.)		
		Main	Branch	A	B	C
	35107	8-4	14-8	$1\frac{1}{16}$	$\frac{7}{8}$	$\frac{5}{8}$
	35109	4-1/0	14-4	$1\frac{1}{4}$	1	$1\frac{1}{16}$
	35111	1/0-4/0	14-4	$1\frac{3}{4}$	$1\frac{3}{8}$	$\frac{27}{32}$
	35112	1/0-4/0	8-1	$1\frac{5}{8}$	$1\frac{9}{16}$	$\frac{27}{32}$
	35115	300-500	14-4	$1\frac{7}{8}$	$1\frac{13}{16}$	1

ABB recommended tightening torque

Size of conductor ranges (AWG or kcmil)	Wrench torque (in.-lbs.)	Screw driver torque (in.-lbs.)
14-8	20	20
14-4	35	35
4-2/0	150	-
2-4/0	200	-
1-250	250	-
2/0-500	300	-