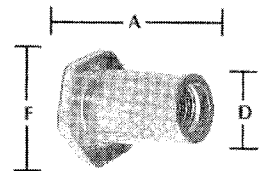


PRECAST CONCRETE INSERTS TECHNICAL DATA SHEET

UL • HEAVY DUTY

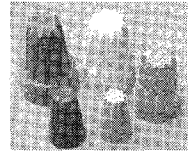


Provides Rustproof (Zamac 5) Metal Holes in Precast, Prestressed or Poured in Place Concrete
Use Standard Machine Screw or Bolt
Secure Precast Insert in Wood From with a Nail
Tested in 5000+ PSI Concrete

SIZE	TYPE	FULL THREAD ENGAGE	BOLT SIZE	A	D	F	TORQUE (IN/LBS)	AVERAGE ULTIMATE TENSILE (LBS)
1/4 x 1-1/2	P15T	7/8	1/4-20	1-1/2	1/4	13/16	32 IN.LBS.	2950
3/8 x 1	P24T	31/32	3/8-16	1	3/8	7/8	10 IN.LBS.	5712
3/8 x 1-3/8	P25T	1-1/8	3/8-16	1-3/8	3/8	7/8	10 IN.LBS.	6797
1/2 x 1-1/2	P35T	1-1/4	1/2-13	1-1/2	1/2	1-1/4	19 FT.LBS.	8945
1/2 x 2-7/8	P36T	2-1/2	1/2-13	2-7/8	1/2	1-3/8	19 FT.LBS.	15482
5/8 x 1-11/16	P45T	1-3/8	5/8-11	1-11/16	5/8	1-3/8	40 FT.LBS.	11800
5/8 x 2-7/8	P46T	2-1/2	5/8-11	2-7/8	5/8	1-9/16	40 FT.LBS.	16969
3/4 x 1-11/16	P55T	1-1/2	3/4-10	1-11/16	3/4	1-9/16	56 FT.LBS.	9582

NOTE: Test results shown are Ultimate Loads and are to be used as a guide only. Actual results may vary. Use 25% of the Ultimate Value as a safe working load.

STRAIGHT WIRE CONNECTOR COMBINATIONS



WC81G	WC82B	WC83O	WC84Y	WC85R
MAX RATING: 300V 105°C STRIP LENGTHS: 5/16" except 1/4" for solid wires.	MAX RATING: 300V 105°C STRIP LENGTHS: 7/16" except 3/8" for solid wires.	MAX RATING: 600V (1000V in Fixtures and Signs) 105°C STRIP LENGTHS: 5/16" except 7/16" for #16 and #18 AWG; Stranded.	MAX RATING: 600V (1000V in Fixtures and Signs) 105°C STRIP LENGTHS: 3/8" except 1/2" for #16 and #18 AWG.	MAX RATING: 600V (1000V in Fixtures and Signs) 105°C STRIP LENGTHS: 7/16" except 1/2" for #16 AWG.
WIRE COMBINATIONS:	WIRE COMBINATIONS:	WIRE COMBINATIONS:	WIRE COMBINATIONS:	WIRE COMBINATIONS:
2-3 #18 2 #18 & 1 #20 2 #18 & 1-2 #22 1 #18 & 1-3 #20 1 #18 & 1-4 #22 1 #18, 1 #20 & 1 #22 2-4 #20 3 #20 & 1-2 #22 2 #20 & 1-4 #22 3-5 #22	1 #14 & 1 #16 1 #14 & 1 #18 1 #14 & 1-3 #20 1 #14 & 1-4 #22 2-3 #16 2 #16 & 1 #18 2 #16 & 1-2 #20 2 #16 & 1-3 #22 1-2 #16, 1 #20 & 1 #22 1 #16 & 1-2 #18 1 #16 & 1-4 #20 1 #16 & 1-4 #22 2-4 #18 3 #18 & 1-2 #20 3 #18 & 1-2 #22 2 #18 & 1-3 #20 2 #18 & 1-3 #22 1-2 #18, 1 #20 & 1 #22 1 #18 & 2-4 #20 1 #18 & 3-4 #22 3-5 #20 5 #22 3 #20 & 1-2 #22 2 #20 & 2-3 #22 1 #20 & 4 #22	2 #14 1 #14 & 1 #16 1 #14 & 2 #18 2,3 #16 1 #16 & 1-3 #18 2-5 #18	1 #10 & 1 #14 (solid) 2 #12 2 #12 & 1 #18 1 #12 & 1 #14 (solid) 1 #12 & 1-3 #16 (solid) 1 #12 & 1-3 #18 2-3 #14 2 #14 & 1,2 #16 2 #14 & 2,3 #18 1 #14 & 1-4 #16 (solid) 1 #14 & 1-4 #18 (solid) 5 #16 3,4 #16 & 2 #18 2 #16 & 2-4 #18 5-6 #18	2 #10 1 #10 & 1,2 #12 1 #10 & 1-3 #14 (solid) 2,3 #12 1 #12 & 1-3 #14 (solid) 1 #12 3 #16 (solid) 3,4 #14 (solid)