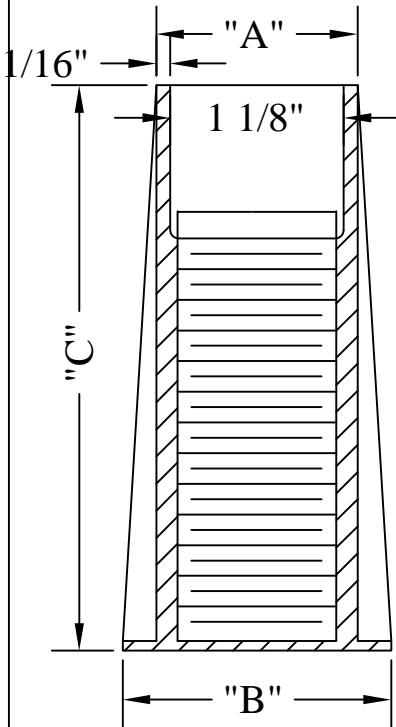


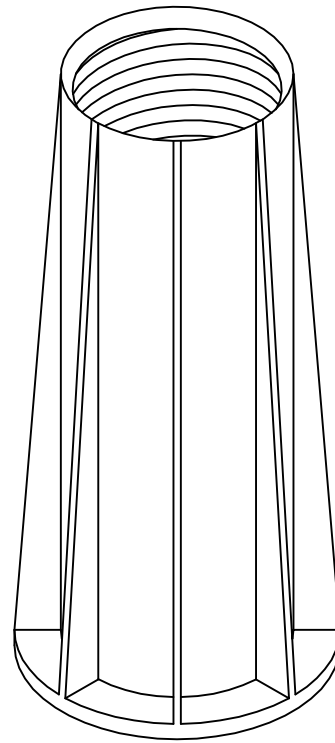
# INSERTS

## STANDARD MANHOLE



Model	Bolt Dia.	Thread N.C.	A	B	C	Working Load	Ultimate Strength
IN-025	1/4"	20	3/4"	1"	1-1/2"	140 lbs.	700 lbs.
IN-038	3/8"	16	3/4"	1"	1-1/2"	220 lbs.	1100 lbs.
IN-050	1/2"	13	3/4"	1-1/4"	2-3/4"	1640 lbs.	8200 lbs.
IN-050S	1/2"	13	3/4"	1-1/4"	1-3/4"	1640 lbs.	8200 lbs.
IN-063	5/8"	11	15/16"	1-3/8"	3"	3360 lbs.	16800 lbs.
IN-075	3/4"	10	1"	1-1/2"	3-1/4"	3500 lbs.	17600 lbs.
IN-100	1"	8	1-5/16"	1-3/4"	3-3/4"	3740 lbs.	18700 lbs.
IN-150	1-1/2"	coil	1-7/8"	2-1/4"	5-1/4"	4560 lbs.	22800 lbs.

Inserts have been tested with 4000psi mix in tension and shear.  
Threads must be fully engaged to achieve loads listed above.



Specifications: Plastic insert shall be injection molded thermoplastic insert as manufactured by Pennsylvania Insert, Spring City, PA. Manufacturer shall have a minimum of ten years experience in the manufacturing of plastic inserts. Insert shall be installed with "tap-on" mounting stud which shall be fastened or glued onto the formwork. Insert shall be used in application which has been field tested to ensure safe working load based on field condition. Insert shall not be used in field conditions that exceed 185 deg. F. Insert shall be used with grade 8 bolt and fully threaded to ensure maximum strength.

Disclaimer: PA Insert makes no warranty that the thermoplastic inserts described herein are merchantable or fit for any particular purpose and there are no warranties, express or implied, which extend beyond the description of the thermoplastic inserts set herein. The purchaser acknowledges the PA Insert has no control over the installation and use of the product. Accordingly, PA Insert cannot assume responsibility for any damage arising out of improper use or installation of its products. PA Insert products are intended for use by; trained, qualified, and experienced users only. Misuse or lack of supervision and inspection may result in serious injury or death.



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**Precast Concrete  
PLASTIC INSERTS**

FILE NAME: WITH PLASTIC INSERTS

DATE: 8/20/03

DRAWN BY: BTH