

# PLASTIC INSERTS

Plastic inserts are amazingly strong, easy to use, and very inexpensive. Precasters have been using them for over thirty years during which they have built a reputation for durability, reliability, and effectiveness. Plastic inserts won't corrode or leave ugly marks on concrete.

**EASY TO USE** Pennsylvania Insert's thermoplastic inserts install quickly and easily, especially when used in conjunction with Tap-Ons. Additionally, PA Inserts are made from a self lubricating plastic which makes threading easy.

**RELIABLE** They have high mechanical strength properties and great chemical resistance. Corrosion is not going to compromise the effectiveness of these inserts.

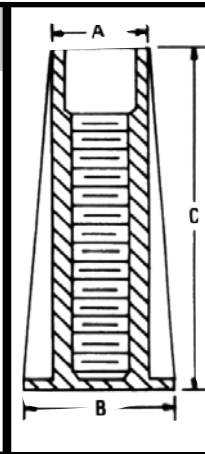
**DURABLE** Plastic inserts are fatigue resistant and will not be effected by vibration.

**MANY SIZES** Inserts are available in thread sizes from 1/4" to 1-1/2" and all sizes are stocked for quick shipment.

## TEST RESULTS & DIMENSIONS

The following tests were made using a 4000 psi mix. Inserts have been tested both in tension and in shear.

Part No.	Bolt Dia.	Thread N.C.	A	B	C	Working Load (lbs.)	Ultimate Strength
IN-025	1/4"	20	.35"	.75"	1 1/4"	140	700
IN-038	3/8"	16	5/8"	7/8"	1 1/2"	220	1100
*IN-050	1/2"	13	.70"	1"	2 1/2"	1640	8,200
*IN-050 S	1/2"	13	.70"	1"	1 3/4"	1640	8,200
IN-063	5/8"	11	13/16"	1 5/16"	3"	3360	16,800
IN-075	3/4"	10	15/16"	1 3/8"	3 1/4"	3500	17,600
IN-100	1"	8	1 3/16"	1 13/16"	3 3/4"	3740	18,700
IN-150	1 1/2"	Coil	1 7/8"	2 1/4"	5 1/4"	4560	22,800



## USEFUL TIPS

- Bolt must be fully threaded into insert.
- Use high strength bolts for best results.
- Use Tap-Ons or Stick-Ons for installing inserts to save drilling holes in expensive steel forms.

\*ALSO AVAILABLE IN REINFORCED GRADES FOR GREATER TORQUE STRENGTH

TO ORDER CALL 1-800-220-4857  
or sales@pennsylvaniainsert.com

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