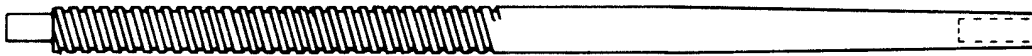


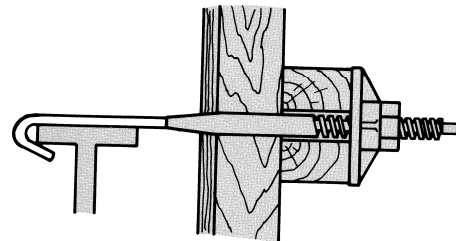
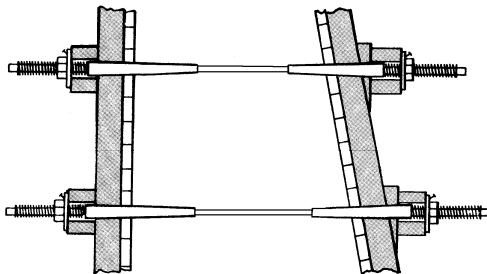
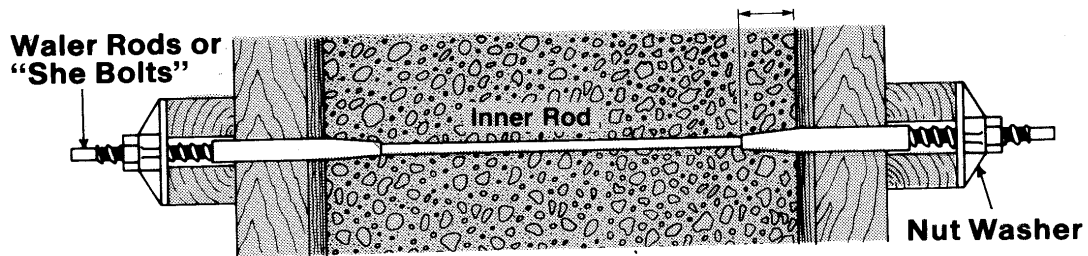
She Bolts

DESCRIPTION: Standard Coil, Euro or Acme thread She Bolts. Available in 3/4", 7/8", 1-1/4", and 1-1/2" outside diameter thread. They can be manufactured with 1/2", 5/8", 3/4", and 1" inner threaded tap.

APPLICATION: Used in poured-in-place concrete forms. When used with nut washers or wing nuts and plate washers, these She Bolts can hold loads as specified in the table below.



SHE-BOLT DIAMETER	3/4"	1-1/4"	1-1/2"
S.W.L.-Tension (lbs.)	9,000	20,000	37,500
Inside Thread Tap Diameter	1/2"	3/4"	1"
Thread Type Available	Acme or Coil	Coil	Coil



SPECTRUM CONCRETE PRODUCTS

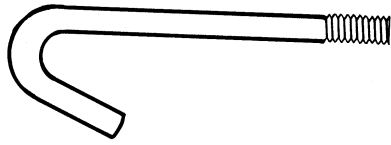
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J-Bolts

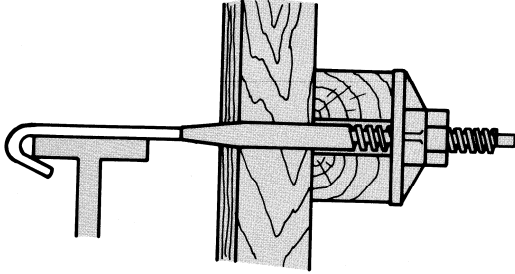


DESCRIPTION:

J-bolts, that are used in blind wall concrete forming. They are available in coil or N.C. thread, and can be special ordered in 3/4" diameter, in N.C. or Coil thread.

APPLICATION:

J-Bolts are used with She-Bolts in concrete forming applications. The standard hook wraps around rebar or other steel, to allow for blind wall forming.



**Unembedded Load= 800 LBS.
Safety Factor: 2 to 1**



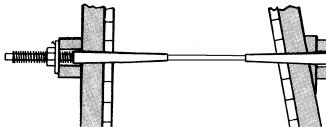
Inner Tie Rods

DESCRIPTION:

Inner Tie Rods are available in Coil and N.C. thread. Inner Tie Rods are made from High Tensile cold rolled steel.

APPLICATION:

Inner Tie Rods are used to tie She-Bolts together in concrete forming applications. They can be manufactured in coil or N.C. thread, and can be fully threaded or thread on the ends only. Waterseal washers can also be applied to inner rods, for those jobs requiring a water-tight tie system.



Safe Working Load = 2:1

**1/2" HI-TENSILE
COIL OR N.C.
THREAD
9,000LBS S.W.L.**

**3/4" HI-TENSILE
COIL OR N.C.
THREAD
18,000LBS S.W.L.**

**1" HI-TENSILE
COIL OR N.C.
THREAD
38,000LBS S.W.L.**

SPECTRUM CONCRETE PRODUCTS

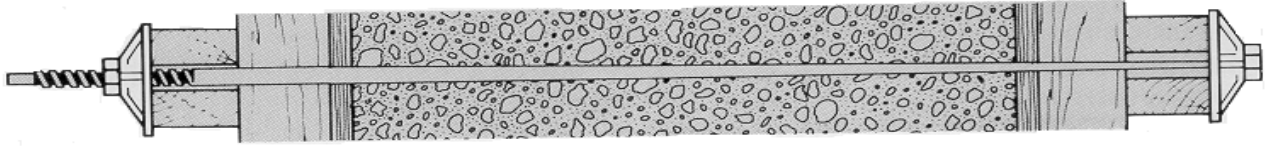
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Standard Taper Ties

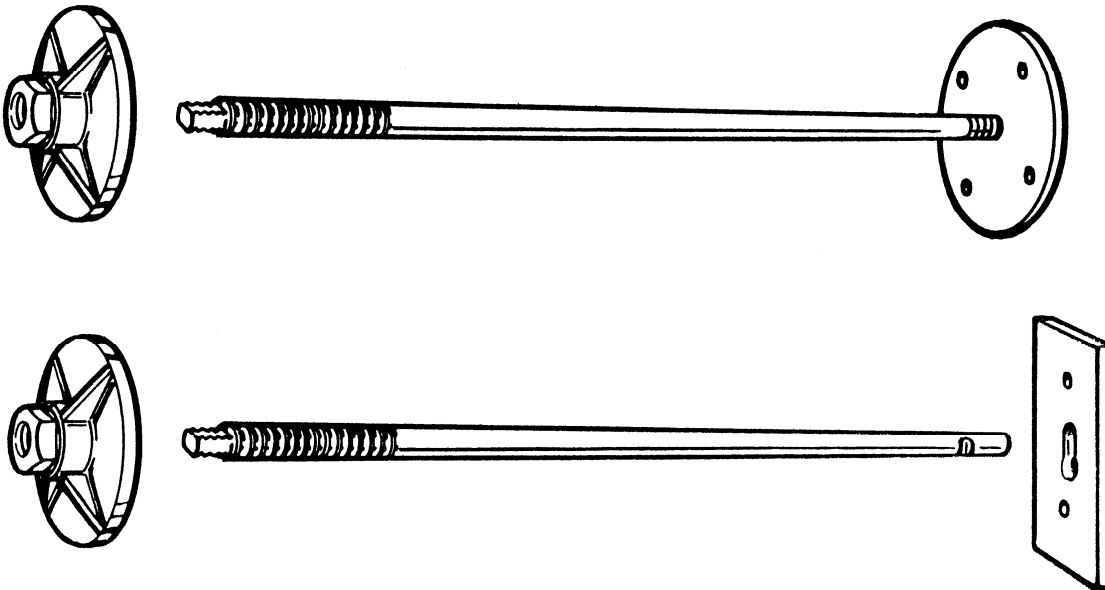


DESCRIPTION: Standard Coil, Euro or Acme thread Taper Ties. Available in 1/2" & 3/4" diameter thread, and with a 1/2" keyplate slot.

APPLICATION: Used in poured-in-place concrete forms. When used with nut washers or wing nuts and plate washers, these taper ties can hold loads as specified in the table below.

SAFE LOAD	LARGE END	SMALL END	TIE LENGTH
6,000	3/4" X 10" COIL OR ACME THREAD	1/2" X 2" COIL OR ACME THREAD	34"
6,000	3/4" X 10" COIL OR ACME THREAD	1/2" X 2" COIL OR ACME THREAD	43"
6,000	3/4" X 10" COIL OR ACME THREAD	1/2" X 2" COIL OR ACME THREAD	52"
6,000	3/4" X 10" COIL OR ACME THREAD	1/2" X 2" COIL OR ACME THREAD	61"
4,500	3/4" X 10" COIL OR ACME THREAD	1/2" KEYPLATE SLOT	34"
4,500	3/4" X 10" COIL OR ACME THREAD	1/2" KEYPLATE SLOT	43"
4,500	3/4" X 10" COIL OR ACME THREAD	1/2" KEYPLATE SLOT	52"
4,500	3/4" X 10" COIL OR ACME THREAD	1/2" KEYPLATE SLOT	61"

2 TO 1 SAFETY FACTOR



SPECTRUM CONCRETE PRODUCTS

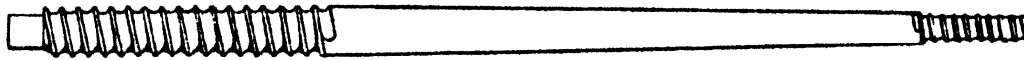
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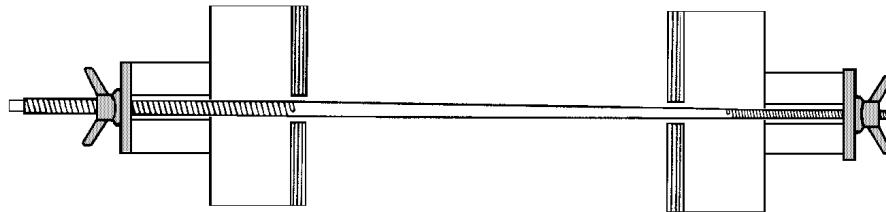


Heavy Duty Taper Ties



DESCRIPTION: Heavy Duty Coil threaded Taper Ties. Available in 1/2", 5/8", 3/4", 7/8", 1", 1-1/4" & 1-1/2".

APPLICATION: Used in heavy-duty poured-in-place concrete forms. When used with wing nuts and plate washers, these taper ties can hold extreme loads as specified in the table below.



SIZE	3/4" TO 1/2"	1" TO 3/4"	1-1/4" TO 1"	1-1/2" TO 1-1/4"
S.W.L.-Tension (lbs.)	7,500	18,000	34,000	50,000
Safe Working Load is based on approximately a 2 to 1 factor.				

Coil Wing Nuts



DESCRIPTION: Ductile wing nuts, available in 1/2", 3/4", 1", 1-1/4", & 1-1/2" diameter coil thread. **Euro wing nuts also available.**

Diameter	1/2"	3/4"	1"	1-1/4"	1-1/2"
S.W.L.-Tension (lbs.)	9,000	18,000	38,000	52,000	80,000
Safe Working Load is based on approximately a 2 to 1 factor.					

APPLICATION: Used with coil she bolts and coil taper ties, in heavy concrete forming applications.

SPECTRUM CONCRETE PRODUCTS

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