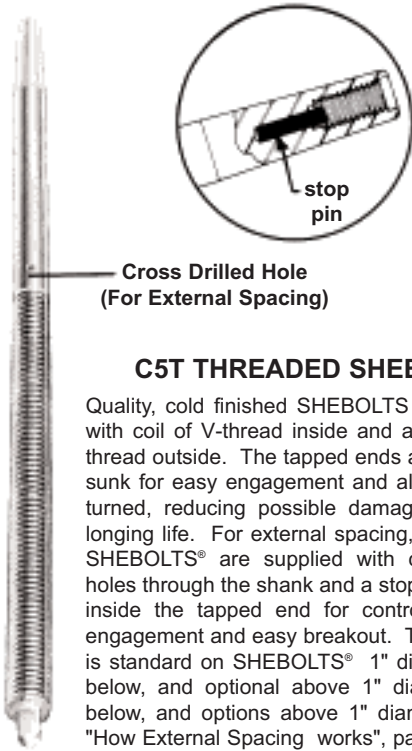


HEAVY TIE-THRU FORMING



Cross Drilled Hole
(For External Spacing)

C5T THREADED SHEBOLT

Quality, cold finished SHEBOLTS are tapped with coil of V-thread inside and acme or coil thread outside. The tapped ends are counter-sunk for easy engagement and all edges are turned, reducing possible damage and prolonging life. For external spacing, WILLIAMS SHEBOLTS® are supplied with cross-drilled holes through the shank and a stop-pin placed inside the tapped end for controlling exact engagement and easy breakout. The stop-pin is standard on SHEBOLTS® 1" diameter and below, and optional above 1" diameter and below, and options above 1" diameter. See "How External Spacing works", page 4.

WILLIAMS SHEBOLTS® can also be used with brackets for bracing, jacking and hanging forms, ect.

WILLIAMS SHEBOLTS® should be properly lubricated before inserting into the form. Shebolts should also be checked periodically for wear.



D6M WEIGHTED WING NUT

WILLIAMS special design wing nut is weighted on one side to prevent spin-off due to vibration during concrete placement. The built-in self-cleaning feature cleans concrete and debris from the SHEBOLT thread during removal. Available in acme or coil thread.



D5M VIBRA-LOCK BRACKET FOR SHEBOLTS®

Heavy-duty malleable brackets are battered on one side for angle tying up to 45 degrees. The one-sided batter also prevents loosening of the bracket from shear loading. Webbed design allows for high strength usage. Rounded corners offer easy, safe handling. Vibra-lock brackets can also be used with rock bolts or tieback rods. (Must be used in upright position when tying thru).

SHEBOLT DIAMETER	MAXIMUM TAP SIZE	STANDARD LENGTHS (INS.)	THREAD LENGTH (INS.)	WEIGHT (LBS.)	WING NUTS	SIZE LENGTH X DEPTH	WEIGHT (LBS.)	VIBRA-LOCK BRACKET	SIZE	WEIGHT (LBS.)
9/16" (14mm)	3/8" (10mm)	16 18	5 8	.94 1.06	W1	5 X 13/16"	.31 .14Kg	B2	3 1/2 X 5 X 1 3/8"	1.53 .69Kg
*3/4" (20mm)	1/2" (12mm)	20 24	9 12	2.04 2.40	W3	4-3/4 X 3/4"	.44 .20Kg	B3	4 X 5 X 1 1/8"	2.00 .90Kg
*7/8" (22mm)	1/2" (12mm)	20 24	9 12	2.72 3.26	W4	5 X 13/16"	.50 .23Kg	B5	5 X 6 X 1 1/2"	2.44 1.10Kg
*1" (25mm)	5/8" (16mm)	20 24	9 12	3.75 4.63	W5	5-3/8 X 1"	.69 .31Kg	B6	4 X 5 X 1 1/8"	3.93 1.76Kg
1-1/8" (30mm)	3/4" (20mm)	20 24	9 12	4.56 5.69	W6T	5-1/2 X 1/8"	1.13 .51Kg	B8	6 X 7 X 1 7/8"	4.72 2.14Kg
*1-1/4" (32mm)	3/4" (20mm)	20 24	9 12	5.94 7.13	W6T	5-1/2 X 1/8"	1.06 .48Kg	B8	6 X 7 X 1 7/8"	4.72 2.14Kg
1-3/8" (35mm)	7/8" (22mm)	24 30	12 12	8.56 10.68	W6T	5-1/2 X 1/8"	1.00 .45Kg	-	-	-
*1-1/2" (38mm)	1" (25mm)	24 30	12 12	9.88 12.30	W11	6-1/2 X 1-25/32"	2.25 1.02Kg	B11	6 1/2 X 7 1/2 X 2"	7.50 3.40Kg
1-5/8" (41mm)	1" (25mm)	as specified			W11	6-1/2 X 1-25/32"	2.25 1.02Kg	B11	6 1/2 X 7 1/2 X 2"	7.50 3.40Kg
1-3/4" (44mm)	1-1/8" (30mm)	as specified			W12	7 X 2"	3.69 1.68Kg	B12	6 1/2 X 7 1/2 X 2 3/16"	8.75 4.0Kg
2" (51mm)	1-1/4" (32mm)	as specified			-	-	-	AGB16	7 1/4 X 8 1/4 X 2 3/16"	11.10 5.04Kg

* Standard stock sizes - coil outer thread, coil tap.

SHEBOLT® diameters 9/16", 1-3/8", 1-5/8", 1-3/4", and 2" are available with acme outer thread only.