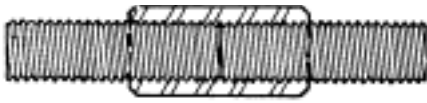


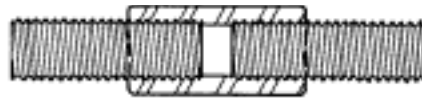
# HEAVY TIE-THRU FORMING

## C1T TAP-THRU COUPLINGS



Williams standard tap-thru couplings meet or exceed the strengths of the related high tensile tie rods and may be turned completely on either rod. Available in V-thread or coil. Manufactured in all styles.

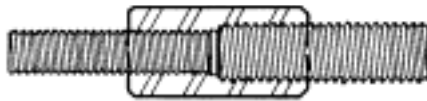
## C2T STOP-TYPE COUPLINGS



The WILLIAMS stop type coupling is designed to assure exact engagement on both rods. Stop type couplings are available in V-thread or coil. Manufactured in all styles.

## C3T REDUCER COUPLINGS

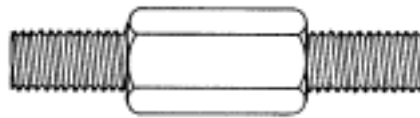
C3C (if hex style is required)



Reducer couplings available in any type.

## C1C HEX COUPLINGS

C2C (if stop-type is required)

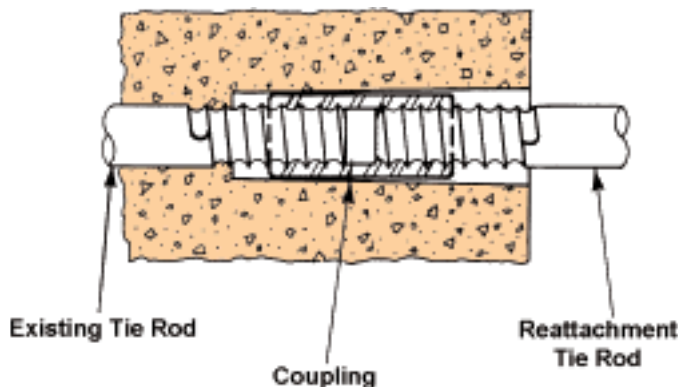


WILLIAMS hex couplings are available in either stop type or tap thru styles. They may be made in either V-thread, coil or combination.

Please refer to the Coil and V-thread charts on the next page for strengths.

## C1T OR C2T REATTACHMENT COUPLINGS

A coupling adjusted to fit into the prior mold of a shebolt. May be used to attach the rods to forms needed for second or third pour.



### Reattachment Couplings (NC or Coil Thread)

Rod Dia.	O.D.	Length		S.W.L (2 to 1 S.F.) Lbs./kN	Ultimate Strength Lbs. / kN
		N.C.	Coil		
1/2"	11/16"	1-1/2"	2"	14,000/ 62.3	14,000 / 62.3
5/8"	7/8"	1-3/4"	2-1/2"	20,000/ 89.0	20,000 / 89.0
3/4"	1"	2"	3"	28,000/ 124.5	28,000 / 124.5

#### WHEN ORDERING SPECIFY:

- Type - C1T or C2T
- Style - Reattachment
- Rod Diameter
- Thread Type

# HEAVY TIE-THRU FORMING



## Coil Thread Couplings

Rod Diameter	O.D.	Length	S.W.L. (2 to 1 S.F.) Lbs./kN	Ultimate Strength Lbs./kN
3/8" -8 (10mm)	3/4"	1-1/2"	5,950/ 26.5	11,900/ 52.9
1/2" -6 (12mm)	3/4"	2"	13,000/ 57.8	26,000/ 115.6
5/8" -4-1/2 (20mm)	1"	2-1/2"	18,500/82.2	39,000/ 173.5
3/4" - 4-1/2 (20mm)	1-1/8"	3"	23,000/ 102.3	46,000/ 204.6
7/8" -4-1/2 (22mm)	1-1/4"	3-1/2"	29,500/ 131.2	58,000/ 258.0
1"-3-1/2 (25mm)	1-1/2"	4"	40,500/180.1	81,000/ 360.3
1-1/8"-3-1/2 (30mm)	1-5/8"	4-1/2"	45,500/ 202.4	91,000/ 404.8
1-1/4"-3-1/2 (32mm)	1-7/8"	5"	62,500/ 278.0	125,000/ 556
1-1/2"-3-1/2 (38mm)	2-1/4"	6"	74,500/ 331.4	149,000/662.7

## R62 Couplings (For R61 A-T Rod)

R62 Couplings (For R61 A-T Rod)				
#6 (20mm)	1-1/4"	3-1/2"	23,000/ 102.3	46,000/ 204.6
#7 (22mm)	1-3/8"	4"	39,000/ 173.4	77,000/ 342.5

## V-Thread Couplings

(For use with high tensile bars, rebar or mild steel bar)

Rod Diameter-Pitch	O.D.	Length	S.W.L. (2 to 1 S.F.) Lbs./kN	Ultimate Strength Lbs./kN
3/8" - 16NC (10mm)	3/4"	1-1/2"	5,950/ 26.5	11,900/ 52.9
1/2" - 13NC (12mm)	3/4"	1-1/2"	13,000/ 57.8	26,000/ 115.6
5/8" - 11NC (16mm)	1"	1-3/4"	18,500/ 82.3	39,000/ 173.5
3/4" - 10NC (20mm)	1-1/8"	2"	23,000/ 102.3	46,000/ 204.6
7/8" - 9NC (22mm)	1-1/4"	2-1/4"	29,500/ 131.2	58,000/ 258.0
1" - 8NC (25mm)	1-1/2"	3"	40,500/ 180.1	81,000/ 360.3
1-1/8" - 7NC (32mm)	1-5/8"	3-1/2"	45,500/ 202.4	91,000/ 404.8
1-1/4" - 7NC (32mm)	1-7/8"	3-3/4"	62,500/ 278.0	125,000/ 556.0
1-3/8" - 8UN (35mm)	2-1/8"	4"	80,500/ 358.0	161,000/ 716.1
1-1/2" - 6NC (38mm)	2-1/4"	5"	74,500/ 331.4	149,000/ 662.8
2" - 6UN (51mm)	3"	6"	220,500/ 980.8	441,000/ 1961.6

For Rebar Couplers with a Flange see C2D page 30-31.

### WHEN ORDERING COUPLINGS PLEASE SPECIFY:

- Type - C1T or C2T ect.
- Rod Diameter or Diameters
- Thread Type or Types