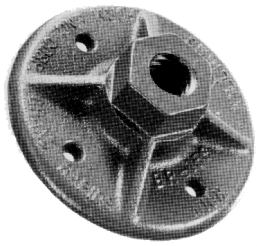
HEAVY TIE-THRU FORMING

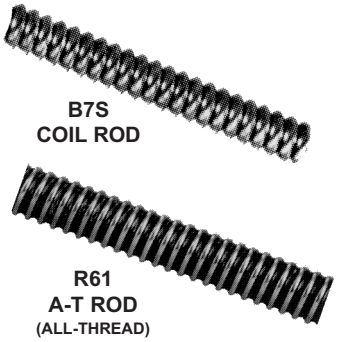


D3M HEX-NUT BRACKET

Heavy-duty malleable circular bracket offers easy, safe one-piece handling. Webbed design allows for high strength usage. Hex-nut brackets' one-piece design offers solution to low or no access areas for tie through situations where pre attachment to forms and stripping is needed without prior removal of brackets.

D4M HEX-LOCK BRACKET

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.



TIE ROD OPTIONS

B7S high strength continuously threaded coil rod is available in diameters from 3/8" to 1-1/2". For more information see page 10.

R61 A-T Rod is a unique "Rebar Type" fully threaded bar. Available for tie rod usage in #6 or #7 diameters. For more information see page 11.

Ties can be used as listed with the related shebolt diameters on page 6.

HEX-NUT BRACKET	SIZE	WEIGHT (LBS.)	HEX-LOCK BRACKET	SIZE	WEIGHT (LBS.)	COIL ROD OR N.C. ROD WORKING LOAD LBS/Kn	A-T ROD WORKING LOAD LBS./Kn
BR5	3 3/8" X 4 X 1 5/16"	.97 .44KG	H1	3 1/4 X 4 X 1 5/16	1.09 .49KG	4,900/21.8	
BR10	4 1/4" X 1 5/16"	1.25 .57KG	H2	4 X 5 X 1 11/16"	1.75 .79KG	9,000/40.0	
BR15S	5" X 1 23/32"	2.05 .93KG	H3	5 X 6 X 2 1/16"	2.81 1.28KG	9,000/40.0	
BR15S	5" X 1 23/32"	2.19 1.0KG	H5	5 X 6 X 2 1/16"	3.25 1.48KG	11,250/50.0	
BR15S	5" X 1 23/32"	2.12 .96KG	H5	5 X 6 X 2 1/16"	3.25 1.48KG	19,000/84.5	
BR21	5" X 2 1/16"	3.56 1.62KG	H6	6 X 7 X 2 3/4"	6.50 2.95KG	19,000/84.5	22,000/98
BR21	5" X 2 1/16"	3.56 1.62KG	-	-	-	29,000/129.0	
-	-	-	H11	6 1/2 X 7 1/2 X 2 13/16"	9.25 4.2KG	37,500/166.8	
-	-	-	H11	6 1/2 X 7 1/2 X 2 13/16"	9.25 4.2KG	37,500/166.8	38,000/169
-	-	-	H12	6 1/2 X 7 1/2 X 3 1/16"	12.91 5.86KG	45,000/200.2	
-	-	-	-	-	-	60,000/266.9	

Maximum spacing on walers should not be more than 1.5 times SHEBOLT® diameter for adequate bearing on bracket.