



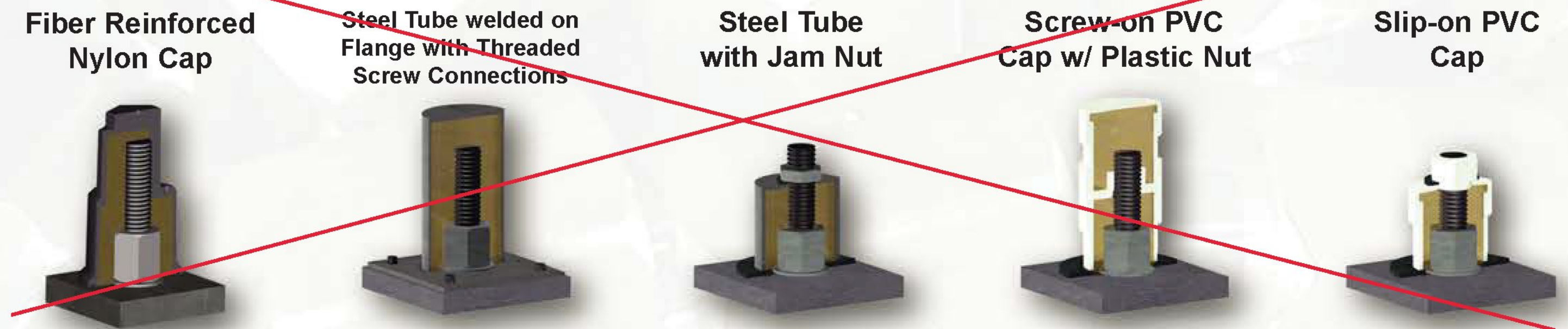
Other Accessories


Other Anchor Accessories

Bearing Plates - Williams steel bearing plates are standard with a round hole for non-grouted ground anchors. Also available are dished plates for use with spherical hex nuts and keyhole plates which provide free access for grout tube entry. Bearing plates are customized for each application. Plate dimensions should be specified around the parameters of the project. In addition, corrosion protection should be considered along with specifying hole diameter and bar angle.



End Caps - Williams offers several different types of PVC and metal end caps to provide corrosion protection at otherwise exposed anchor ends. Most often the caps are packed with corrosion inhibiting grease. Caps made from steel are used in exposed impact areas.





CEN PVC Centralizer

The Williams PVC Centralizer is used to center the anchor assembly in the drill hole. They are usually spaced 10 to 15 feet along the bar. To order, specify drill hole diameter, bar size or the outer diameter of sleeve when used over bar.

Eye Nuts

Williams Eye Nuts may be used as lifting eyes for forms, concrete blocks, concrete cylinders, machinery or equipment. The large base on three of the models makes them excellent for anchoring guy wires. Safety factors and working loads based on the ultimate strength of the Eye Nuts should be determined for the specific application by the project design engineer.

Eye Nut Designation	Inside Width	Inside Height	Ring Diameter	Overall Height	Taps Available				Max Pick S.W.L.	Max Ground Anchor S.W.L.	Max Test Load	Blank Part Number
					UNC C1045 Coil C1045	Grade 60 Grade 75	150 KSI All-Thread	B7X Hollow				
E1N * Forged Steel	2" (51 mm)	2-1/2" (64 mm)	7/8" (22 mm)	5-1/8" (130 mm)	1/2"; 5/8" 3/4"; 7/8"; 1"	#4; #5; #6 #7; #8	-	-	17.5 kips (77.8 kN)	N/A	N/A	E1M-00-E1N
E1N3 Forged Steel	2" (51 mm)	3" (76 mm)	1-3/4" (45 mm)	8" (203 mm)	1-1/8"; 1-1/4" 1-3/8"; 1-1/2"	#9; #10 #11	1"; 1-1/4" 1-3/8"	32 mm 38 mm	59.7 kips (266 kN)	74.7 kips (332 kN)	99.4 kips (442 kN)	E1M-00-E1N3
E1N4 Forged Steel	2-1/2" (64 mm)	3-3/4" (95 mm)	2-3/16" (56 mm)	10" (254 mm)	1-3/4"; 2"	#14	1-1/4"; 1-3/8" 1-3/4"	51 mm	90.7 kips (402 kN)	113 kips (503 kN)	151 kips (672 kN)	E1M-00-E1N4
E1N4C Forged Steel	3" (76 mm)	5" (127 mm)	2" (51 mm)	10-1/4" (260 mm)	1-1/4"; 1-3/8" 1-1/2"; 1-3/4"; 2"	#10; #11 #14	1-1/4"; 1-3/8" 1-3/4"	51 mm	86.7 kips (386 kN)	108 kips (480 kN)	144 kips (641 kN)	E1M-00-E1N4C

* Non-Domestic