



PERMISSIBLE TENSILE STRESS IN PRESTRESSING PC STRAND

ACI Standard: 318						
Grade 270K Strand Size	Due to Strand Jacking Force (0.94 <i>fpy</i> max)		Immediately after Prestress Transfer (0.82 <i>fpy</i> max)		Post-tensioning Tendons Immediately after Strand Anchorage (0.70 <i>fpu</i> max)	
	lbs	kpsi	lbs	kpsi	lbs	kpsi
3/8"	19,460	228.4	16,970	199.3	16,100	189
7/16"	26,230	228.4	22,880	199.3	21,700	189
1/2"	34,940	228.4	30,480	199.3	28,910	189
0.52" (1/2"HBS)	38,070	228.4	33,210	199.3	31,500	189
9/16"	43,738	228.4	38,155	199.3	36,190	189
0.6"	49,580	228.4	43,250	199.3	41,020	189

Note: *fpy*: specified yield of prestressing tendons / *fpu*: specified tensile strength of prestressing tendons

SUMIDEN WIRE PRODUCTS CORPORATION

East Coast Manufacturing: 710 Marshall Stuart Drive • Dickson, TN 37055 • 615-446-3199 • Fax 615-740-1518

West Coast Manufacturing: 1412 El Pinal Drive • Stockton, CA 95205 • 209-466-8924 • Fax 209-941-2990

PC Sales: • Region: AK, HI & Western Exports – Jeff Feitter, V.P. Sales/Mktg 866-491-5020 • Region: Western U.S. – Glen Gallamore, Reg. Sales Mgr. 503-547-4273

• Region: Eastern U.S. – Steve Koch, Reg. Sales Mgr. 336-940-6652 • Region: Upper Midwest – Andy Ross/Bob Scheel, Sales Rep. 630-719-1687

PC Sales Customer Service: Toll Free 866-491-5020 • Fax 615-446-8188 • East – Charlene Harris • West – Karen Davis