



SPECIFICATIONS* FOR STAINLESS STEEL SEVEN-WIRE PRESTRESSING STRAND

Stainless Steel Alloy: 2205 (UNS: S32205) Duplex

STAINLESS STEEL SEVEN-WIRE PRESTRESSING STRAND										
Grade	Nominal Strand Diameter in [mm]	Strand Diameter Tolerance in [mm]	Minimum Breaking Strength Lbf [kN]	Min. Yield Strength at 1% Extension Lbf [kN]	Minimum Elongation %	Nominal Area in ² [mm ²]	Nominal Modulus of Elasticity psi [kN/mm ²]	Min. Diameter Difference C/W and O/W in [mm]	Nominal Pitch	Nominal Weight Lbs/1000 ft Kg/1000 m
250K	1/2 [12.7]	+0.032, -0.016 [+0.80, -0.40]	36,000 [160]	32,400 [144]	1.2	0.144 [92.9]	24.3 x 10 ⁶ [167.5]	0.003 [0.076]	12 x dia 16 x dia	517 [770]
	6/10 [15.2]		53,850 [239]	48,465 [215]		0.216 [139.0]		0.004 [0.102]		775 [1154]

*Specifications under development. Current as of 12/22/2017

NOTE: Other sizes available upon request.

RELAXATION PROPERTIES	
Initial Stress	Maximum Relaxation after 1000 Hours
70% Specified Minimum Breaking Strength	2.5%
80% Specified Minimum Breaking Strength	3.5%