

steelwise OLID BOND

BY WILLIAM HOUSTON AND IAN HOUSTON

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H (@) is the general manager of Stud Welding Associates. I H (@) is the construction engineering manager with Nelson Stud Welding, Inc.

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steelwise

	A D1.1/2010		C – ,	
		A ¹	B ²	C ³
Tensile Strength	psi min	61,000	65,000	80,000
	MPa min	420	450	552
Yield Strength (0.2% Offset)	psi min	49,000	51,000	_
	MPa min	340	350	-
Yield Strength (0.5% Offset)	psi min	-	-	70,000
	MPa min	-	-	485
	% in 2 in. min	17%	20%	-
Elongation	% in 5x diameter			
	min	14%	15%	-
Reduction of Area	% min	50%	50%	-

4:* L 🖉 • 4 3 Speci cation for Stainless Steel Wire Speci cation for Stainless Steel Bars and Shapes. , 304, 305, 30, 310 , **1** 300-- • 31 🔹 👰 . . . -_ A: ___ **10** Ø. 1 - 1 B. J. ... B. Bright Lite Large Bright de 1984 · 1.2 (· 🔪 ۱ Ør), . (-_ Ø _ _ •ØØ \ __ B A . A . A C . D . . . 1.5 Bridge Welding Code · · Ø• · · 1.1.

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End of beam

Force distribution in concrete

steelwise



▲ It is important to take into account the nominal melt-off length to determine the required stud length for the application.

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