

CSA Welding Standards Reference Sheet

Standard	Name	SCOPE						
		Certification	Material	Qualifications*	Fabrication	Inspection	Design	Safety
CSA W47.1	Certification of companies for fusion welding of steel	•	S	•				
CSA W47.2	Certification of Companies for the fusion welding of aluminum	•	A	•				
CSA W186	Welding of reinforcing bars in reinforced concrete construction	•	R	•	•	•	•	
CSA W55.3	Certification of companies for resistance welding of steel and aluminum	•	S, A	•				
CSA W48	Filler Metals and Allied Materials for Metal Arc Welding	•	S					
CSA W178.1	Certification of Welding Inspection Organizations	•	S, A, R			•		
CSA W178.2	Certification of Welding Inspectors	•	S, A, R			•		
CSA W117.2	Safety in welding, cutting, and allied processes		S, A, R					•
CSA W59	Welded steel construction		S		•	•	•	
CSA W59.2	Welded aluminum construction		A		•	•	•	
CSA S16	Design of steel structures		S, R		•	•	•	
CSA S6	Canadian Highway Bridge Design Code		S, R		•	•	•	
CSA S157	Strength Design in Aluminum		A		•	•	•	
CSA A23.3	Design of concrete structures		R				•	
CSA G40.21	Structural quality steel		S		•			
CSA G30.18	Carbon steel bars for concrete reinforcement		R		•			

* Includes both welding procedure and personnel qualifications

S - Steel, A - Aluminum, R - Reinforcing Bar

For detailed information on the scope and specific requirements related to welding of these standards, or for additional product and safety standards that make reference to CSA welding standards, see <http://www.weldquality.org/industry/resource-centre>
[weldquality.org](http://www.weldquality.org) | 1.800.844.6790 ext.717



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