

Fabricator _____ Shop No. _____
 Bridge No. _____ Station _____ Route _____
 Project _____ County _____
 Job No. _____ Contract ID _____

_____ Diameter Bolt
 Minimum Tension _____ Check one: A325 A490

JOB SITE ROTATIONAL CAPACITY TEST (ROCAP TEST) – SHORT BOLTS

Calibrated Wrench Method (712.7.5) Wrenches shall be calibrated at least once each working day

Test #	Torque Setting	Measured Tension
1		
2		
R1		
R2		
R3		
R4		

Turn-of-Nut Method (712.7.6)

Test #	Torque Setting Torque required to rotate nut 1/3 turn from snug (Read torque with nut in motion) See Spec Book	Required Rotation From Snug Depends on bolt diameter See Spec Book	Visual Inspection of nut and bolt after turning nut 2/3 turn from snug & removing nut (Acceptable) (Not Acceptable)
1			
2			
1R			
2R			
3R			
4R			

Load Indicating Bolt Method (712.7.7)

Test #	Tension	Remarks
1		
2		
1R		
2R		
3R		
4R		

Bolt Manufacturer _____
 Bolt Length _____ Quantity _____
 Bolt Heat No. _____
 Bolt Lot No. _____
 Nut Manufacturer _____
 Nut Heat No. _____
 Nut Lot No. _____
 Washer Manufacturer _____
 Washer Heat No. _____
 Washer Lot No. _____
 Location of Testing _____

Recommendation/Remarks:

Responsible Person: Date:

Note: Job site rotational-capacity testing = testing of 2 bolts, nuts and washers per R-C lot number. If both bolts fail, the lot is unacceptable. If one bolt fails, the contractor has the option to test 4 additional bolts. All 4 of these additional bolts must pass for lot to be acceptable.

For more information – [V:\Presentations\High Strength Bolt Testing](#)