

REPORT OF STONE BACK ANCHOR SW-M6 x 30

Test Unit	SUNWAY METAL MANUFACTORY LTD.		
Name of Product	Stone Back Anchor	Test Items	Tensile load and Shear load Test
Model Name	S.S. 316 SW-M6X30 (Sample)	Test Amount	6 pcs
Date of Report	28, January, 2010		

Test Result

Tensile Load Test			
Specimen	1	2	3
Predrilled Hole Diameter (mm)	11	11	11
Hole Depth (mm)	8	8	8
Tightening Torque (N·m)	10		
Ultimate Force (kN)	6.8	7.98	7.39
Mean (kN)	$22.17 \div 3 = 7.39$		
Safety Pullout (kN)	$7.39 \div 3 = 2.46$		
Shear Load Test			
Specimen	1	2	3
Max. Applied force (kN)	7.98	9.16	7.696
Mean (kN)	$24.84 \div 3 = 8.28$		
Safety Shear Force (kN)	$8.28 \div 3 = 2.76$		

Test Description :

1. Specimens are anchorage in Granite.
2. The test results of both tests are maximum failure load.
3. Failure mode of both tests are anchor push/ pull out from slot. The Granite is failure.

Diagram for Slot, hole and Stone Back Anchor SW-BA M6 x 30 dimensions:

