

METAL COMPONENTS TESTING PLAN (ANCHORS)

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| Doc. No. | QN/LB/28 |
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PROCEDURE :

Steel Anchors manufactured by Karam are generally market specific. Anchors made by Karam for American customers complies to ANSI Z 359.1-2007
100% of the production is checked after complete Assembly of the Lot for Visual Inspection & Mechanical Functioning. Random Samples are drawn as per Random Sampling Scheme per Batch/Lot produced which are then subjected to Static testing.

The results are reported in the Test Report (QF/LB/45)

| Name Of the Product | Product Code | Compliance Norm | Sampling Frequency | Type of Testing | Test Procedure |
|---|---|--------------------|--|------------------------|---|
| Hinged Steel Roof Anchor Steel Anchor Permanenet Use Stainless Steel Roof Anchor Single Use Steel Roof Anchor Hinge Anchor Beam Anchor Single Point Anchor Aluminium Point Anchor Parapet Anchor Stainless Steel Point Anchor Girder Steel Anchor Beam Anchor Trolley Beam Anchor Tile Anchor Steel Anchor Flange Anchor Tile Anchor, Single point Anchor Swivel, Anchor Plate | SA01,SA01(A), SA01(B) SA05 SA08,SA08M SA09 SA10 SA10A SA11 SA11B SA13 SA13A SA15 SA15A SA17,SA17W SA27 SA41, SA42 SA49 SA52 SA68, SA68A(SS) SA118, SA126 | ANSI Z 359.18-2017 | Out of each Lot / Batch of one sample will be drawn for testing. Testing of above mentioned individual items will also be done. | Static Strength Test | Install the anchor device on a testing rig. Now apply a force of 23 kN for 3 minutes. The Anchorage line should sustain the force . And no sign of Crack & Breaking should be observe |
| | | | | Dynamic Test | Install the Anchor in testing Rig and connect the 4 ft test lanyard one end to Anchor and other end with test weight raise the mass upto 4ft with the help of Wire Hoist and release the Mass the system should be sustained. |
| | | | | Residual Strength Test | Repeat the test same as dynamic performance and maintain for 1 minute, system should sustain without any failure |

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