

Accessories

Assembly Trial

Cable Protectors from each manufacturing lot are selected random and tested to ensure safe and secure assembly across production tubing and tubing coupling. This test is done using a properly machined mandrel to the sizes of tubing and coupling.

Drift Test

Assembled cable protectors are drift tested to ensure that the protectors will pass thru within the specified drift id of Well Casing while installing them during the well completion.

Cable Slippage Test

In-house cable slippage test is conducted on Cast Steel Cross Coupling Cable protectors to ensure minimum support criteria for cable without causing damage to the cable. Each Protector is designed to carry a load equal to the weight of 100 ft of cable, without damaging the cable. Test frequency and test results from each lot is recorded and communicated to customers.

Lateral Load Test

The Cable protectors are designed to withstand 20 Tons of lateral load and this shall be verified by conducting a lateral load test on cable protectors by placing the protector properly between specially designed fixtures attached to UTM while gradual load is applied on the product.

Once the load is removed, tested protectors are closely inspected for cracks, major deformation and any failures in the hinge and lock areas.

Axial Load Test

The Cable protectors are designed to withstand 30 Tons of axial load and this shall be verified by conducting an axial load test on cable protectors by placing the protector properly between specially designed fixtures attached to UTM while gradual load is applied on the protector.

Once the load is removed, tested protectors are closely inspected for cracks, major deformation etc.

Specialized Clamps and Control Line Protectors



CMS also offers a range of specialized clamps and control line protectors including mid joint control line protectors and MLE Clamps. The protectors are bespoke designed to ensure that all tensile and compressive forces are absorbed by the protectors and the control line is not subjected to any excessive force whereby these specially designed protectors totally eliminate damage to control lines or encapsulated lines. Field installation is quick and simple using pneumatic wrenches.

MLE Clamps are designed to hold and support the Motor Lead Extension cable at the assembly neck of the ESP components. These clamps are manufactured from high quality castings of carbon steel/high grade stainless steel using investment casting by lost wax method. The MLE clamp is designed to uniquely grip and protect the MLE and control lines for down hole sensors and chemical injections

