

DESCRIPTION



The Dynamic Solid Bolt has a mechanism that allows it to absorb seismic events and remain intact. The Dynamic Solid Bolt can be installed in either resin or cement grout. Energy absorption of the Dynamic Solid Bolt is achieved by swaging a dynamic device to the bolt. The polyethylene sleeve acts as a debonding agent that allows the bolt to extrude through the dynamic device, when a seismic event occurs the bolt is extruded through the dynamic device enabling energy absorption while remaining intact.

TYPICAL APPLICATIONS

- > Installed using a Jumbo and secured into the borehole using resin or cement grout.

KEY BENEFITS

- > Up to 500 mm of displacement and the option to increase the static yield to suit individual requirements
- > Mechanical Dynamic Yielding Device that allows for repeatable energy absorption
- > Resin mixing device attached to ensure efficient mixing of resins
- > Trusted in the mining industry for seismic active mining areas
- > Independently tested by WASM & Canmet and independent report available on request

PACKAGING

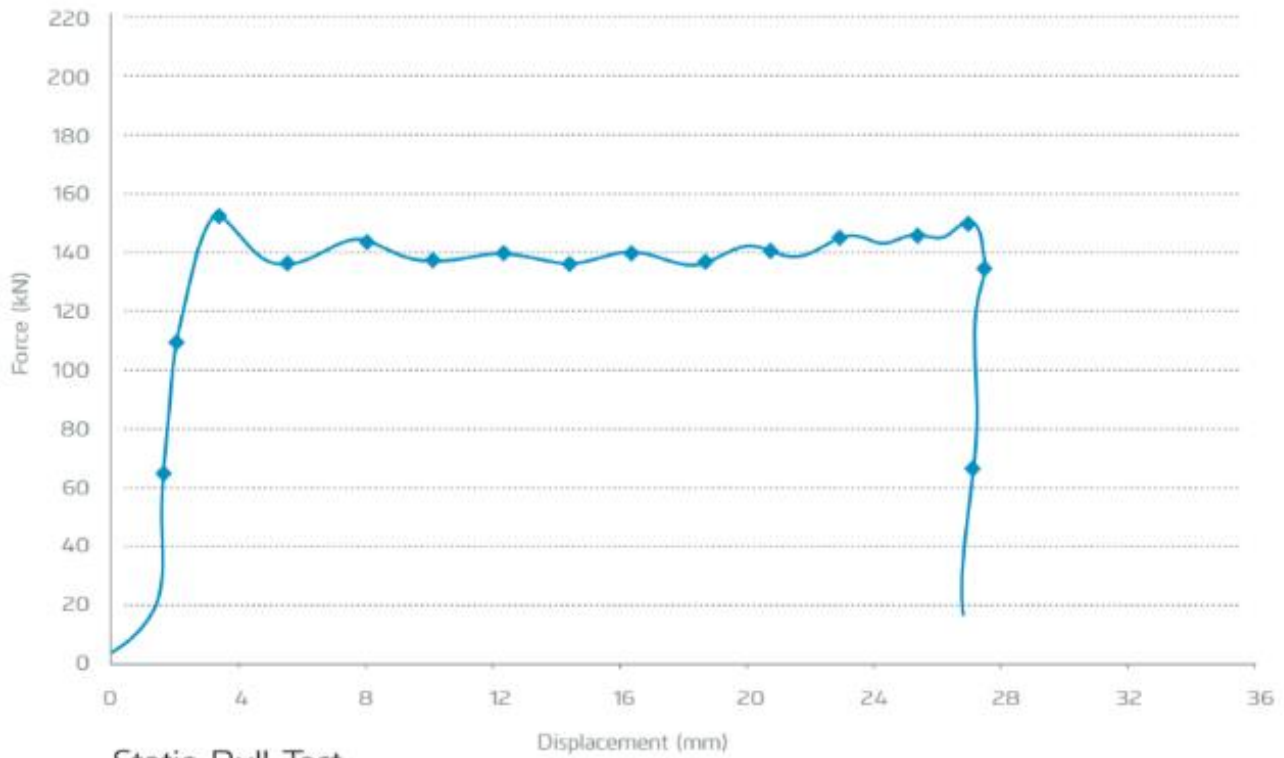
Bundles of 100 Bolts per pack and secured with timbers and steel strapping.

Supplied with a Dynamic Device, polyethylene tube, resin mixing device, pin nut and domed ball attached.

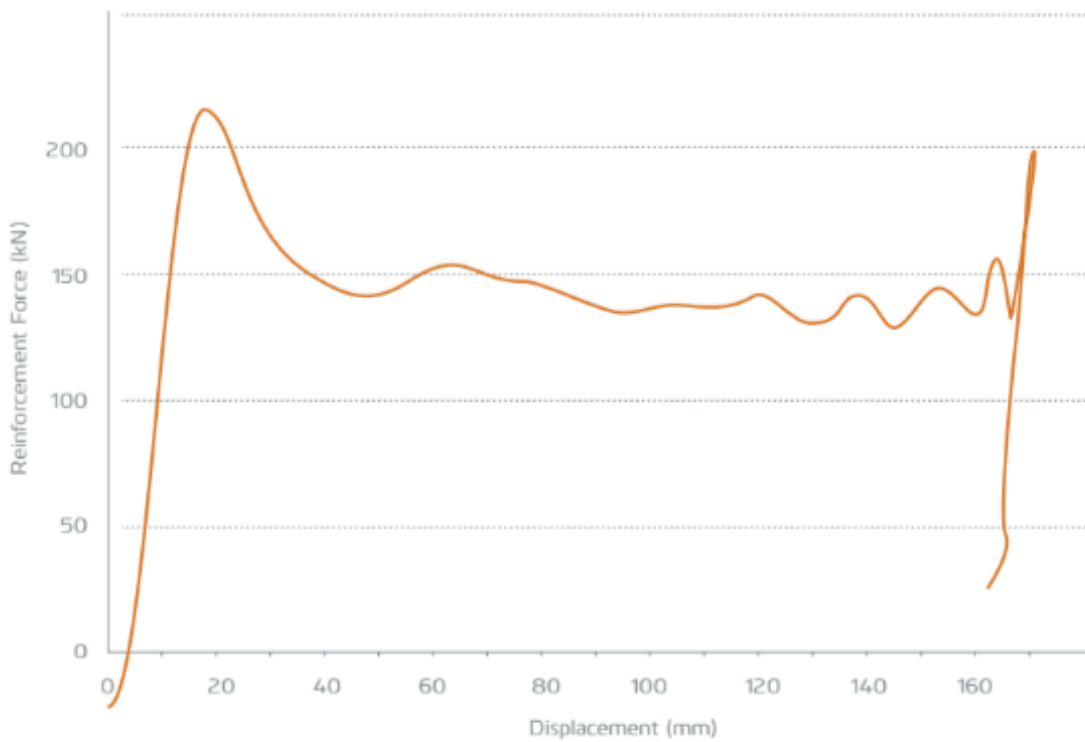
TECHNICAL PERFORMANCE DATA

Property	Unit	Minimum Value	Typical Value
Core Diameter	mm	21.45	21.7
Cross Sectional Area	mm ²	361	370
Yield Strength	MPa	550	580
Yield Force	kN	199	215
Tensile Strength	MPa	850	915
Tensile Force	kN	307	339
Elongation	%	12	16
Mass Per Metre	Kg/m	3.0	
Dynamic Properties			
Static Force Capacity	kN	150 - 220	
Dynamic Force Capacity	kN	150	
Displacement Capacity	mm	< 500	
Standards			
AS1442			

TECHNICAL PERFORMANCE DATA



Static Pull Test



Dynamic Drop Test

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.