



## AIM OF THE EXCITERS

The aim of the exciters is to transform the current produced by an amplifier into a proportional force which, applied on appropriated points of a structure, sends a vibratory movement to this structure.

## MAIN FEATURES

The long-stroke exciter type EX 1070 C50/S, version developed as from the exciter type EX 520 C50, delivers a force of approximately 1 200 N.

The moving assembly made out of a magnesium head and an aluminium coil is mounted on a guidance rod. The rod is guided by two near to zero friction bearings to insure a high amplitude longitudinal movement with no transverse movement.

This exciter includes a fan to insure the cooling of the moving coil and the fan is directly powered by the power amplifier through the main exciter cable.

A multicolour luminous scale allows at any time the visualisation of the position of the moving coil in the magnetic circuit and the indication of the amplitude movement during the tests. This visualisation is repeated on the front panel of the associated amplifier.

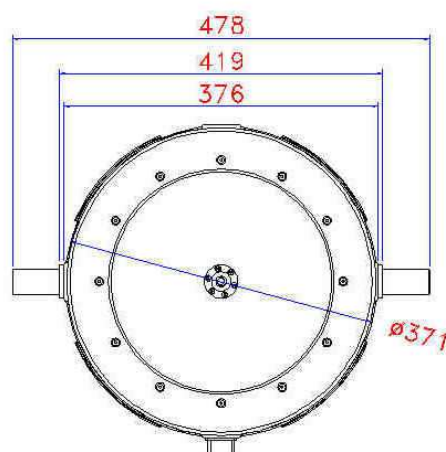
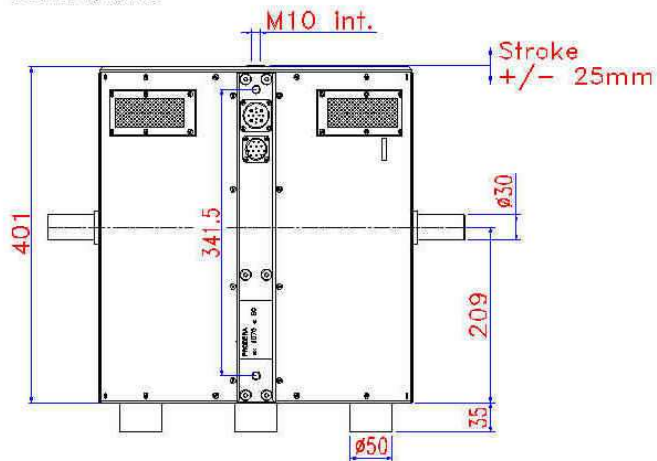
## APPLICATIONS

Driven by the amplifier type A 651/S2/S, the exciter type EX 1070 C50/S supplies a minimum force of 1200 N.

## TECHNICAL FEATURES

Nominal force	1200 N (269.77lbf)
Force factor	~ 20 N/A
Maximum peak current	70 A
Maximum displacement	± 25.4 mm (± 1 inch)
Coil resistance at 20°C	0.80 Ohm
Armature weight	<2.2 kg
Magnetic circuit	Magnets
Cooling	By incorporated ventilation
Electrical connection	With socket
Total weight	50 - 55 kg (111 – 122.10 lbs)
Dimensions	See sketch
Electrical optical limits	± 25 mm
Mechanical limit stops	± 26 mm

### DIMENSIONS



Dimensions in mm

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PRODERA