



ad ENGINEERING srl

DEVICES AND EQUIPMENTS FOR TESTING - INDUSTRIAL PRODUCTION PLANT & PROTOTYPES

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1003/1	MAU 1005/M/CF/ALU	Monorail shock absorption test equipment, guided drop head method (DOT,CPSC), base and electric plant included ,double aluminium column frame
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Technical features:

- Double column aluminium frame supporting the guide bar , made by square 80X80 mm Item Alu profiles, with high thickness (30mm) lower base and upper support .
- Aluminium protection cage , up to height of 2,2 meters made by 40X40 Alu Item Profiles with polycarbonate transparent 3 mm thickness panels.
- Steel and concrete base dim. mm. 860 X 860 X 600 weighting 800 Kg around.
- Automatic operated protection doors , frame made by aluminium (with two pneumatic cylinders) with transparent polycarbonate protection sheets .
- Hi hardness TMT Speed Rail TM aluminium rail (monorail system) with upper and lower fixing system
- Adjustable base by means of 14 grub screw (16mm) to get the vertical position .
- Frame fixed to the base by means of 4 bolts , thread 18 mm.
- Drop carriage components made by anodized Ergal 70 with 4 ball bearings and adjustable nylon wheels .
- Lift carriage with pneumatic releasing system and limit switches made by IR photocells .
- Automatic hooking system of the drop carriage , during the descent .
- Two anvils hemispherical and flat , easily interchangeable, supplied .
- Laser pointer inside the anvils holder , to track the right point of impact on helmets.
- Electric winch with pulley and encoder to be driven with inverter technology .
- Complete electric plant inside the frame columns .
- Complete pneumatic plant with filter and pressure gauges .
- Speed control device with high frequency infrared photocell (10Khz) .
- Transducer's cable with plugs .
- Mechanical parts finishing : zinc plated and anodized .
- Input and output connections , to DLS or other driving devices , by means of 24 poles single plug
- Overall dimensions with base mm . 860 x860 x 5400
- Weight 210 kg without base.

