



I - 24123 Bergamo cap. soc. € 45'000 i.v. www.adengin.it
via Raboni 21/C R.E.A. BG N. 321066 adeng@bisnet.it
tel +39 035 361 061 Reg. Imp. N.16731/00
fax+39 035 361 829 VAT IT 02762570162

1002/1	MAU 1006/CF/ALU	Monorail shock absorption test equipment, free fall head method, base and electric plant included ,double aluminium column frame for the standards: ECE 22/05, EN 1077, EN 1078 , EN 1384 , JIS 8133 07 and more
--------	-----------------	--



Equipment in ECE version with data logger

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.
- Pneumatic brake , to be used for drop carriage deceleration after the impact , with adjustable force by means of pressure gauge and pneumatic circuit.
- Drop carriage made by anodized Ergal 70 with 4 ball bearings and adjustable nylon wheels .
- Helmet holder made by the help of 8 soft small rubber balls .
- Lift carriage with pneumatic releasing system and limit switches made by IR photocells .
- Automatic hooking system of the drop carriage , during the descent .
- Automatic recovering headform system actuated by means of pneumatic cylinder 50 x 250 stroke
- Pneumatic brake to stop the drop carriage after the shock
- Two anvils kerbstone 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 5.400
- Weight 220 kg without base.



ECE/EN drop carriage



Anvil and drop carriage



High part of Frame