



- Specific software.
- Products under Standard.
- Custom made designs.

**Experience**

Servosis has vast experience in testing world for pieces and materials. More than three decades working support us as a benchmark in the sector.

Our range of products include all fields: aeronautic, automotive, construction, lumber, composites, railway, asphalts...

Innovation

We are in contact with the main manufacturers and research institutes of the sector, in order to be able to offer updated products, adapted to the most recent regulations.

Custom made

Our competitive advantage is our ability to offer custom solutions, according to the specific needs of each of our customers.



Servosis offers solutions constantly evolved in the field of bituminous mixtures tests. We are in contact with the main laboratories to ensure the most recent regulations compliance.

Model MUF-401 is recommended for this purpose. It has been designed to allocate the necessary fixtures to test into a climatic chamber in the load frame.

MUF 401

Frequency up to 100 Hz.

Load capacity between 20 and 500 kN.

Semi-hydrostatic actuator.

Hydraulic power supply, flow rate between 28 and 90 l / min.



TESTING MACHINE FOR DUCTILITY TESTS IN COMPLIANCE WITH EN-13589

Testing cart displacement: 1000 mm.

Number of testing posts: 2.

Load capacity: 150 Kgf.

External measurements: 1400 x 400 mm.

Approximate weight: 150 Kgf.

Supply voltage: 220 V single-phase, 50/60 Hz, 350 W.

Cooling coil input/output for an external cold circuit connection with refrigerated circulators, to maintain a controlled temperature.

Water recirculation pump into the bucket, which allows to homogenize the temperature.

2 load cells and 2 symmetric moulds included.

Computer controlled, with automatic calculation of energy absorbed at different strain modulus. User friendly Windows testing control software.

Programmable testing speed.



Servosis has developed several testing fixtures to comply with EN 12697 requirements, in cooperation with main laboratories in Spain:



EN-12697-24. ANNEX E
FATIGUE STRENGTH
INDIRECT TENSILE STRENGTH OF
CYLINDRICAL SPECIMEN. Fig E.1



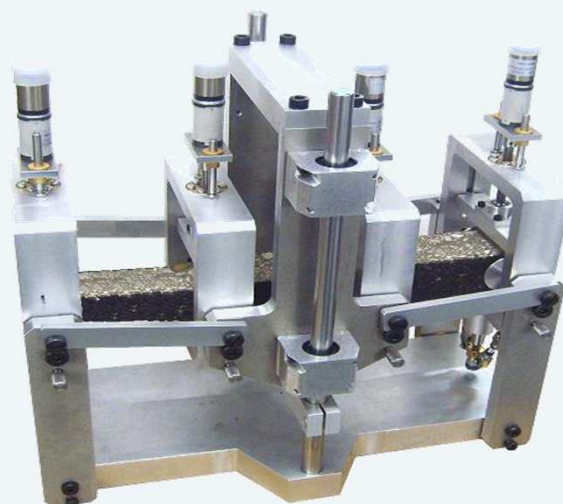
NLT 350
FATIGUE TEST IN DYNAMIC BENDING TENSILE TESTS



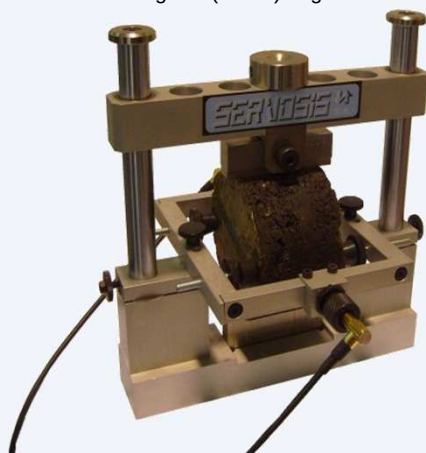
CYCLIC COMPRESSION TEST
EN-12697-25 Annex A and B
MARSHALL, CBR...



EN-12697-24, ANNEX D
4 POINTS FLEXURE TEST OF SQUARE SPECIMENS. Fig. D.1



UNE-EN-12697-26, ANNEX C.
INDIRECT TENSILE STRENGTH OF CYLINDRICAL SPECIMEN.
Fig E.1 (IT-CY). Fig.C.1





www.servosis.com

[comercial@ servosis.com](mailto:comercial@servosis.com)

+ 34 91 691 68 61

SERVOSIS - SPAIN