SOFT-ENGINE

SHOCK-ABSORBER DYNAMOMETERS

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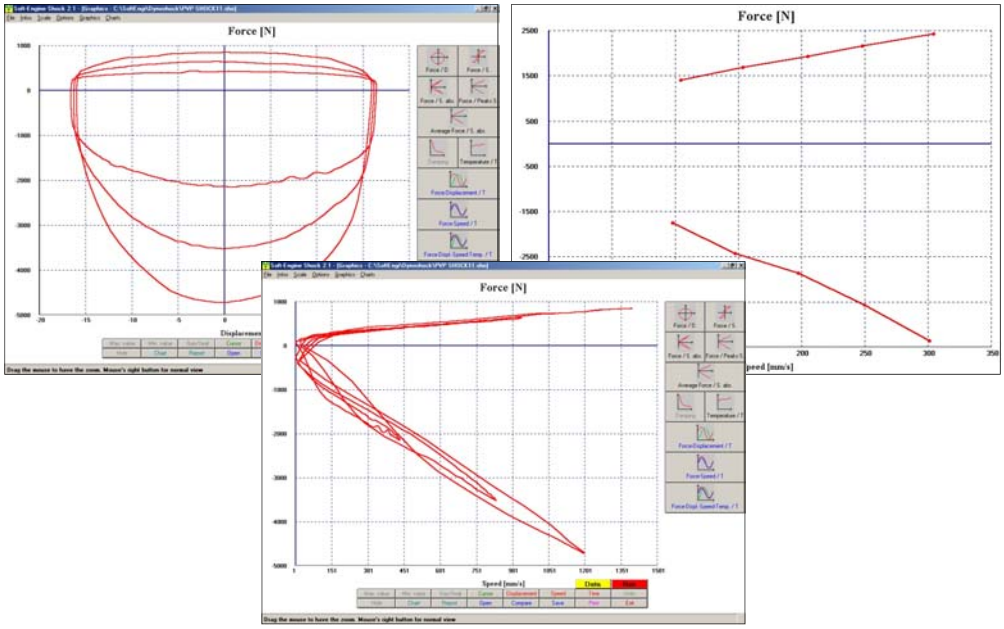
SOFT-ENGINE PRODUCTION!

DYNOSHOCK 10



MECHANICS

Stroke with an oscillant crankhandle system up to 135 mm. The stroke can variate manually with a step 1 mm also;

Speed: from 800 to 1500 mm/s according to the dynamometer model (up to 6 Hz);

Electric motor, power from 3 to 11 KW (from 4 to 15 HP) according to the dynamometer model;

Steel cover sheets and alluminium plane sheets.

AVAILABLE TESTS

CONSTANT SPEED TEST: data storing for a constant damper speed;

VARIABLE SPEED TEST: is possible to test the shock-absorber inputing a sequence of frequencies (or speeds) by software;

Before starting each kind of test it's possible to make the **warm-up test** (various possibilities), the **gas test** and **the seal drag test** to separate the effects and the **threshold force test**.

THE MODELS

-Dynoshock 3
-Dynoshock 5
-Dynoshock 7
-Dynoshock 10

ACCESSORIES

-Cross bar with automatic motion
-Fork clamps
-Mc Pherson clamps

ELECTRONIC

-**Data store PC card** high resolution;
-**Load cell** up to 2500 Kg to measure the force; Optional: 5000 Kg;
-**Inverter:** model according to the electric motor power;
-**Displacement sensor** (freq. 1 Khz);
-**Termocouple** T type.

SOFTWARE

The **software** gives these quantities, shown as **diagrams** and **charts**:
-**Force** vs Displacement;
-Force vs Speed, also **Absolute Force**;
-Force vs Max. speed, also Absolute force;
-Peaks of Force vs Absolute speed;
-Force vs data store Time;
-**Displacement** vs data storing Time;
-**Speed** vs data storing Time;
-**Temperature** vs Time.

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