

Servohydraulic High Frequency Elastomer Testing System +/- 25kN, 600Hz

Product Description

Inova servo hydraulic Testing Systems is a specialist in the field of high frequency elastomer testing.

Experience with testing systems up to 1000Hz and retrofits of different competitors system with our electronics-software solutions shows the high reputation of Inova in this market segment.

High performance combined with reliability, user friendly operation and our experience gives the most benefit to our customers.

Inova elastomer testing systems consists of a special designed extreme stiff load frame with crosshead integrated hydrostatic actuator, special high performance digital control electronics and a wide range of software modules to run the test.

The loading unit mechanical design is the result of using state of the art technologies like FEM optimisation, and modal analysis in combination with 40 Years of experience in the design of dynamic testing systems.

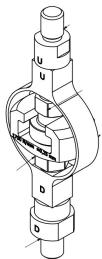
Our software for elastomer testing was developed together with the leading companies in the European automotive industry. The result was an easy to use, user friendly software package that meets all requirements of modern state of the art elastomer testing.

The whole system concept, the resonance free loading frame, the unique measuring system in combination with the software gives unbeaten accuracy in the results

Beneath our standard solutions for elastomer testing we are able to customize the system to your special demands like database connections for the results or integration of such systems in your manufacturing lines.

Antivibration spring foods secure isolation of the test rig from building vibration and opposite way (air springs optionally).

Implemented hydraulic manifold block with modes of operation "off/ slow speed/on", with Safety Performance level according EU standards c. (optionally d, or e).



Parametr	Unit	Value
<i>Common</i>		
Operation frequency	Hz	600
Working pressure	-	28MPa
Oul purity according ISO 4406 / 1999	-	14/13/10 or better
<i>Hydraulic cylinder</i>		
Nominal force	kN	25
Piston rod diametr	mm	35
Nominal stroke	mm	50
Servo valve Moog G761	l/min	2*19
Position sensor linearity	%	0,1
Max piston speed	m/s	0,12 (higher on request)
<i>Test rig</i>		
Safety class		1 according EN 954
Working height:	mm	Up 1000mm
Wide between columns	mm	500
Mass	kg	1500

Main parameters:

