

Proven Components & Construction

The 8hp Shock Dyno builds on the reliable design of our 3hp dyno. Technicians experienced in assembly of our 3hp model will also construct this new member of the Shock Dyno product line in our Medina, Minnesota Facility. Crossover with some components and hardware ensures consistent performance and proven quality with similar assembly practices and parts sourcing, including the use of a Scotch Yoke System.

Plug & Play

Intercomp's Shock Analysis software is pre-loaded on a dedicated laptop PC included with each dyno. This minimizes the chance of frustrating compatibility issues that may require multiple tech support calls.

Long Service Life

Each Intercomp racing product is constructed with many years of problem-free use in mind. Regardless of the forces needed to properly test high-performance shock absorbers, manufacturers, tuners and racers can trust in the long-term accuracy of our measuring products when recommended maintenance schedules listed in the user's manual are followed.

Brand Dependability

Intercomp is one of the longest running and most trusted names in motorsports measurement. With 40 years of experience in the weights and measurements industry, our products are in the toolboxes of top-tier professional race teams and amateur racers alike. Intercomp products offer the precision and accuracy needed to win world championships, while fitting into the budget of many Saturday night feature first-time winners.

Specifications

	3hp Shock Dynamometer	8hp Shock Dynamometer
Load Cell Capacity	2,000 lb	12,500 lb
Force Sensor Capacity	<i>Variable Speed:</i> 2,000 lb (1,000kg) @ 10 in/sec (25cm/sec) <i>High Speed:</i> 600 lb (300 kg) @ 40 in/sec (100 cm/sec)	1,200 lb (540 kg) @ 40 in/sec (100 cm/sec)
Load Cell Type	Compression/Tension Load Cell	Compression/Tension Low-Profile Load Cell
Rod Velocity	Software Calculated, Based on Signals Received from Dyno	
Speed Control	Automatically Controlled, Based on Software-Controlled Testing Options	
Dimensions / Weight	55" x 24" x 17" (138 x 60 x 43 cm) / 160 lb (73 kg)	78" x 31" x 24" (198 x 78.75 x 61 cm) / 500 lb (267 kg)
Displacement Sensor	Yes	Yes
Temperature Sensor	Type K Thermocouple	Infrared Type k Thermocouple
Data Export	Export to CSV	Export to CSV
Compatible Shocks	Standard, Piggy-Back and Remote-Reservoir Shocks -MacPherson Struts, Motorcycle Forks or Mountain Bike Fork Possible (<i>Adapters not Intercomp-supplied</i>)	
Bearings	Low-Friction Bearings	
Mounting Pin Diameter	1/2"	1/2"
Shock Mount Clevis Width	5/8"	5/8"
Clevis Mount Thread Size	3/4"-16 UNF	3/4"-16 UNF

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Specifications subject to change without notice.



Intercomp®

advanced weighing technology . . . by any measure

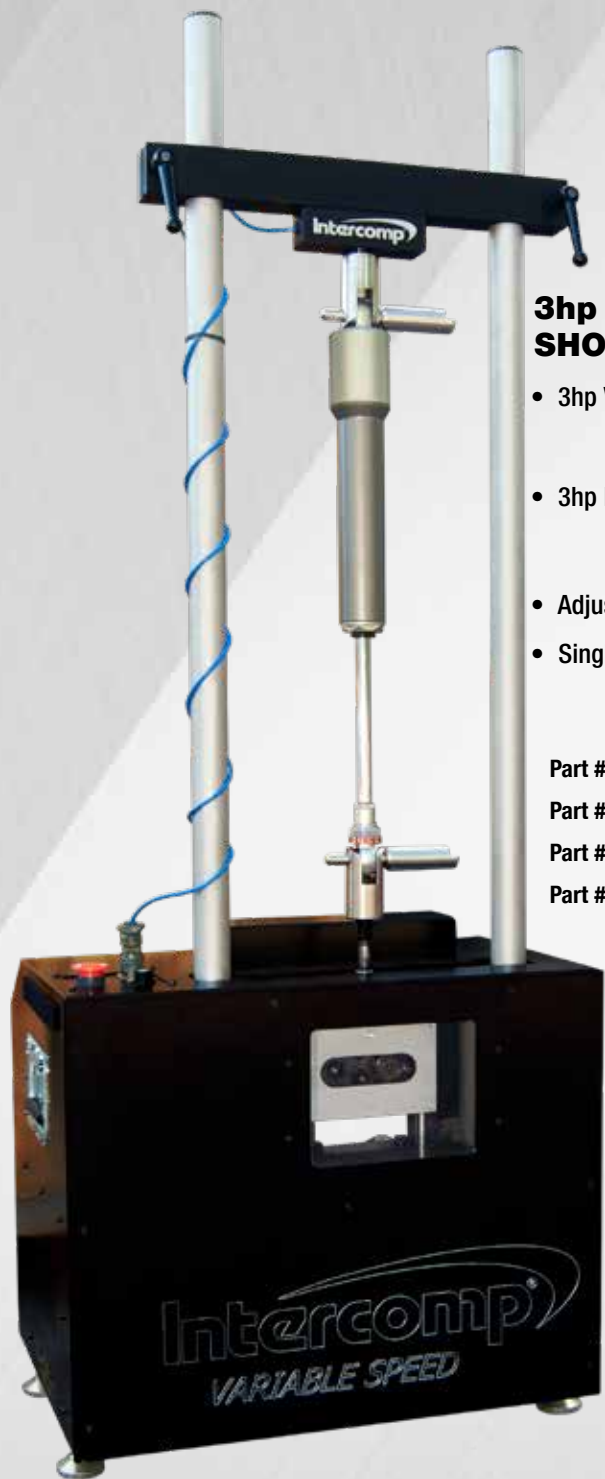


VARIABLE SPEED
SHOCK DYNAMOMETERS

VARIABLE SPEED SHOCK DYNAMOMETERS

For race shock manufacturers and re-builders, or those who build and re-valve shocks in house for racing programs, a shock dyno is a required piece of equipment. Having solid, quantifiable numbers to describe things like rebound and compression rates, allow mechanics and engineers to understand how particular changes will affect on-track handling characteristics.

Dedicated Laptop Included

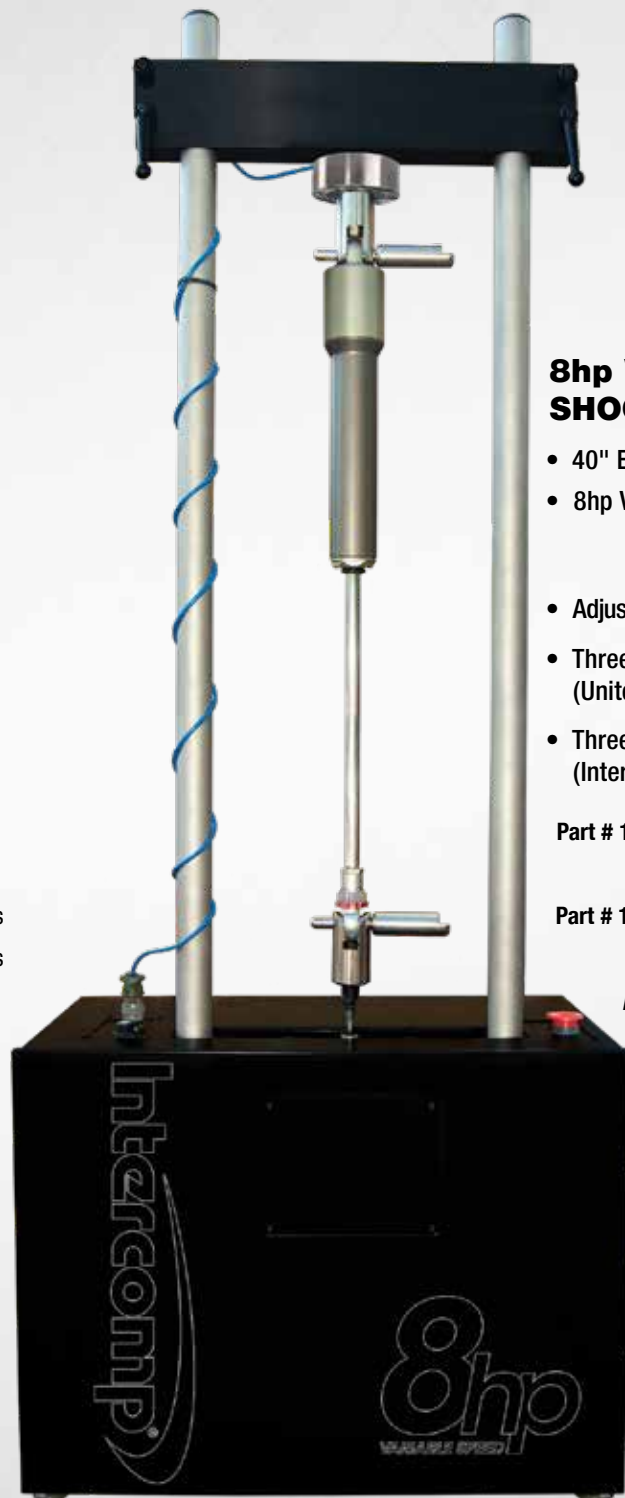


3hp VARIABLE SPEED SHOCK DYNAMOMETER

- 3hp Variable Speed: 0.5 to 19 in/sec
1.2 to 48 cm/sec
0.01 to 0.5 m/sec
- 3hp High Speed: 0.5 to 55 in/sec
1.2 to 140 cm/sec
0.01 to 1.4 m/sec
- Adjustable Stroke: 1.0", 1.5", 2.0" or 2.25"
- Single-Phase 220 V Power

- Part # 102093 3hp Shock Dyno, 28" Masts
- Part # 102093-40 3hp Shock Dyno, 40" Masts
- Part # 102092 3hp High Speed Shock Dyno, 28" Masts
- Part # 102092-40 3hp High Speed Shock Dyno, 40" Masts

Please Call for Additional Mast Heights



8hp VARIABLE SPEED SHOCK DYNAMOMETER

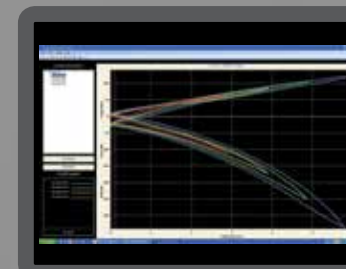
- 40" Eye-to-Eye Masts
- 8hp Variable Speed: 0.5 to 40 in/sec
1.2 to 100 cm/sec
0.01 to 1.0 m/sec
- Adjustable Stroke: 0.5", 1.0", 1.5", 2" or 2.5"
- Three-Phase 220 V Power (United States)
- Three-Phase 380-415 V Power (International)

- Part # 177004 8hp Shock Dyno, 40" Masts (United States)
- Part # 177003 8hp Shock Dyno, 40" Masts (International)

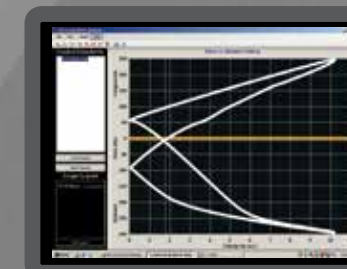
Please Call for Additional Mast Heights

SHOCK ANALYSIS SOFTWARE

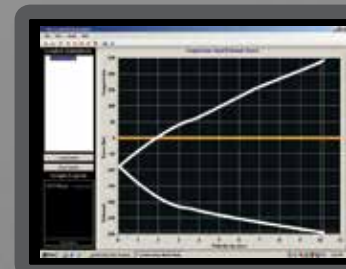
- Display All Measurement Units Independently
 - Force: lb/kg/N
 - Distance: in/cm
 - Temp: °F/°C
 - Pressure: PSI, Bar, kg/cm²
- Seal Drag & Rod Pressures
- Live Data Display/Live Graphing Option
- Peak Velocity Pick Off Testing/Graphing (PVP)
- Constant Velocity Testing/Graphing (CVP)
- Software Compatible with Windows® 7, Windows® 8 & Windows® 10



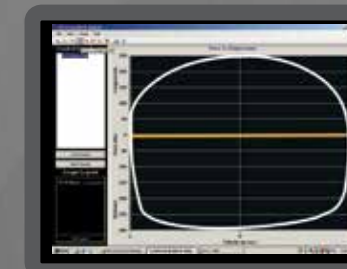
Compare Shocks



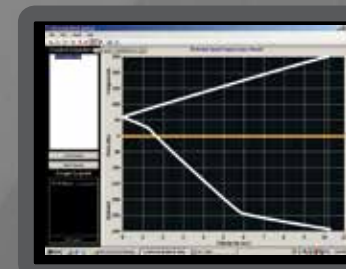
Force vs Absolute Velocity



Compression Open/
Rebound Closed



Force vs Displacement



Compression Closed/
Rebound Open



Live CVP



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