



SF-832-AWD CHASSIS DYNAMOMETER

The SF-832-AWD is an entry level all-wheel drive dyno packed with features usually only found on premium models. The 2,400 lbs. of inertia make it perfect for tuning imports and other lightweight, high-powered all-wheel drive vehicles. SuperFlow's innovative mechanical roll link perfectly syncs the front and rear roll speed so no damage is done to a vehicle's driveline. The included eddy current power absorber provide unmatched load control for advanced tests.

The included WinDyn data acquisition system measures vehicle parameters in real-time via any number of available sensors or directly from the OBDII port, displays them live on screen and automatically graphs the data at the end of each test.



FEATURES

Mechanical roller synchronization with linked capacity up to 180 MPH

Individual load cells measure torque at each axle

Coast down test to report engine power

Eddy current absorber for unmatched load capacity and duration across the entire operating range

Automated tests for simple operation and unequal repeatability – tests include inertia only, controlled acceleration, steady state, step, track simulation, engine power and any user defined drive cycle

30 in. diameter, precision knurled rolls provide largest contact patch available and greatly reduce dangerous tire deflection and heat seen on smaller diameter rolls

Rugged, impact resistant handheld controller

Modular sensor box with expansion panel system to easily add sensors over the life of the dyno

OBDII interface for data logging off the vehicles OBDII port

Available for in-floor and above-floor installations



Product Specifications

ROLLSPEED SYNCHRONIZATION	STANDARD
ROLL DIAMETER	30"
PEAK POWER	2,500+ HP
PEAK ABSORBED POWER	850 HP
MAX SPEED	180 MPH – WITH ROLLS SYNCHRONIZED
TRACK WIDTH	26" INSIDE – 100" OUTSIDE
WHEELBASE	92" – 130"
SYSTEM INERTIA	2,400 LBS.
AXLE WEIGHT	8,000 LBS. PER AXLE
AIR REQUIREMENTS	50 -100 PSI
POWER REQUIREMENTS	110 – 250 VAC, 15 – 8 AMP (COMPUTER) / 208 – 250 VAC, 20 AMP (DYNO)