



The DRP DSS-4 Automated Set-Up System

DSS-4

The most advanced *and proven* short track set-up system available.



- Industrial 15" Touchscreen Control
- Fully Automated Pull Down System
- Measures: Wheel Weights, Dynamic Wheel Loads, Total, Left, Right, Cross, Bite, Shock Travel
- Graphs: Wheel Load Curves, Bump Load Curves, Droop Load Curve, Bite Curve, Acceleration Curve
- Optional: Frame Heights, Bump Stop Loads, Trailing Arm Loads, Sway Bar Load, Wheel Positions, Ground Clearance
 - Displays Wheel Weights, Shock Center to Center, Shock Travel & Frame Heights!
 - Optional Bump Stop, Sway Bar, Droop Limiter or Trailing Arm Load Cells.
 - All of Your Information on One, Easy to Read Screen.

The Set-Up System Built for Professional Short Track Teams.

Dirt. Asphalt. Road Race.

Purpose • Passion • Performance



- Wireless Touchscreen Display!
- Use your Apple or Android Phone, I-pad or Lap Top to Display or Mirror to TV!
 - Easily Screen Shot Your Results for Your Notebook.

Start Pull Down Cycle

Record

Target	Actual	Target	Actual
Pos: 0.000	-0.894	0.000	-0.901
lbs: 0.0	937.2	0.0	287.4

LF RF

Extend Retract

Target	Actual	Target	Actual
Pos: 0.000	-5.947	0.000	-3.173
lbs: 0.0	403.4	0.0	807.2

LR RR

Extend Retract

Target Accel Actual
Pos: 0.0 -1999.6

Extend Retract

Total lbs	Front Total	Rear Total	Bite lbs
2435.2	1224.6	1210.6	-403.8

Load 1	Load 2	Position 1	Position 2	Position 3
*****	-1222.7	-2036.5	-0.1	-0.1

LF	937.2	287.4	RF
LR	403.4	807.2	RR

Total Weight
2435.2

LS %	LS Weight
55.0 %	1340.6
RS %	RS Weight
44.9 %	1094.6
Front %	Front Total
50.2 %	1224.6
Rear %	Rear Total
49.7 %	1210.6
Bite	Cross %
-403.8	28.3 %

PositionControl Weight Control

Wheel Code Data Table 1 Data Table 2 Data Table 3

Extend Target

CALIBRATION DATA TABLE Trend Graph Wheel Graph SCALING Balance Sheet Alignment Sheet Screenshots

Version: 23.11.20

- Enter Your Desired Travel or Wheel Loads and Press Start. The system will automatically pull the chassis down – including acceleration – and stop or return to static.
 - Complete test takes 30-45 seconds!
 - Enter Multiple Positions to Simulate Turns.
- Load an entire lap file from your data acquisition and replay the lap (up to 3000 points!) in slow motion.

Purpose • Passion • Performance



- Wheel Load Graphing.
- Bump Load Graphing.
- Droop Limiter Load Graphing.
 - Bite Graphing.
- Acceleration Curve Graphing.
- Store Files in System Memory or Download to USB.

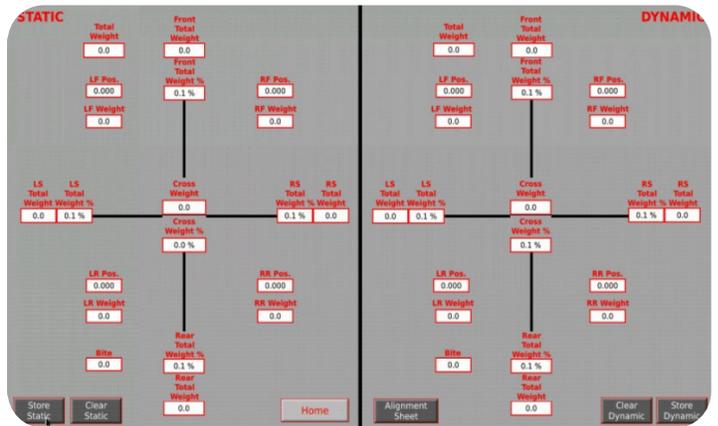
Wheel	Leading	Trailing	Weight	Toe	Position	Spring Rate	Other
LF	0.000	0.000	936.6	0.000 in	-0.894	0.0	
RF	0.000	0.000	287.0	0.000 in	-0.902	0.0	
LR	0.000	0.000	403.0	0.000 in	-5.943	0.0	
RR	0.000	0.000	807.4	0.000 in	-3.174	0.0	
LS	1339.6		55.0 %	0.00		0.00	
RS	44.9		50.2	28.3 %		690.0	
Front Total	0.000		44.9		50.2		
Rear Total	-404.4		0.000		IN		
Overall	691.2 %		2434.0				

- Built-In Wheel Alignment Worksheet
- Enter your numbers, the worksheet does all the math!
 - Save internally or Screen Shot on Your Phone.

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Left Front	Left Front CL	Total Weight	Right Front CL	Right Front	
936.6	0.000	2433.8	0.001	286.8	
LS Weight	LS %	Front %	Front Total	RS %	RS Weight
1339.6	55.0 %	50.2 %	1223.4	44.9 %	1094.2
Left Rear	Left Rear CL	Rear %	Rear Total	Right Rear CL	Right Rear
403.0	0.001	49.7 %	1210.4	0.001	807.4
		Bite	Bite %		
		-404.4	491.2 %		
		Cross Weight	Cross %		
		689.8	28.3 %		



- Built-In Balance Worksheets Pull Your Numbers Automatically.
 - Save internally or Screen Shot on Your Phone.

Set-Up. Test. Troubleshoot. Simulate. All-In-One. Automatically.

- **Accurate & Repeatable Set-Ups.**
- **Test Ideas & Refine – Before You Get to the Track.**
- **Find & Fix Problems. Binds, Underloaded Corners...**
 - **Simulate On Track Positions & Learn!**

Purpose • Passion • Performance



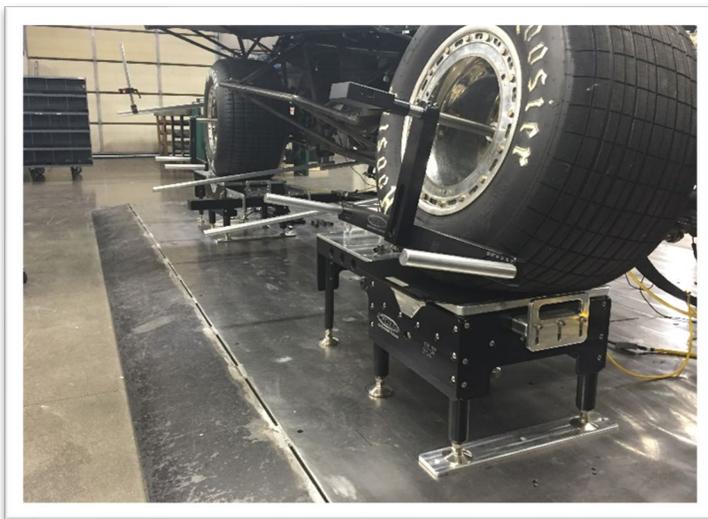
Performance Products



No surface plate required.

Fully Adjustable Stands with Optional Ground Plane Laser create an "elevated surface plate to measure from.

Optional Wheel Alignment, Frame Heights, Ground Plane, Bump Stop Loads, Sway Bar Load, Droop Limiter Load & More.



Mount to Concrete Floors or Surface Plates.
Portable Beam Option Also Available.



Precision Cylinders.
Fast, Fully Adjustable Chasis Mounts.

Scale. Pull Down. Alignment. All-In-One.

Purpose • Passion • Performance



DSS-4 Set-Up/Pull Down System Only

- Complete Static Set-Up & Pull Down System
- 12", 4500# High Load Billet Scale Stands
- Shock Sensors
- Precision Pull Down Cylinders
- Fast, Hang-Over Style, Fully Adjustable Chassis Mounts
- Adjustable Billet Floor Mounts for Cylinders
- Automated Controls
- 4 Open Channels for Optional Sensors
- Acceleration Kit

PD19114A	DSS-4 Automated Pull Down System for Asphalt Late Models & Modifieds	\$42,500.00
PD19114D	DSS-4 Automated Pull Down System for Asphalt Late Models & Modifieds	\$42,500.00

DSS-4 Master Package – Pull Down/Alignment/Ground Plane Laser

- Same Specs as Standard, But with:
- RS400PRO Four Wheel/Dual Laser Wheel Alignment System
- Ground Plane Laser Kit

PD19113A-4G	DSS-4 Master Set-Up Package for Asphalt Late Models & Modifieds	\$46,950.00
PD19113D-4G	DSS-4 Master Set-Up Package for Dirt Late Models & Modifieds	\$46,950.00

Options:

Frame Height Sensor Kit (String Sensors, Magnetic to Frame) \$1240.00
Portable Beam Kit (Set Up System Anywhere. No Floor Mounts Required.) \$1150.00
Ground Plane Laser Kit \$550.00
Real Square RS400PRO Laser Wheel Alignment System \$4150.00
Bump Stop Load Cell \$899.00 (each)
Sway Bar Load Cell – Solid Inline Style ½" \$1250.00
Sway Bar Load Cell – Slapper Style \$1190
Droop Limiter Load Cell \$1266.00
Trailing Arm Load Cell \$1266.00 (each)
Stand Extensions 6" (18" Overall) \$360.00 10" (22" Overall) \$499.00