

Road Force® Elite

The world's fastest diagnostic balancer

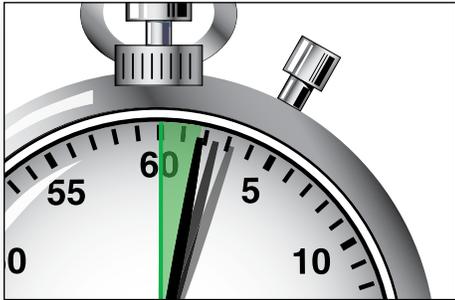
**NOW AVAILABLE WITH
PUSH REPORTS**



Road Force® Elite at a glance

EXCLUSIVE

Unmatched Speed!



- ✓ Perform a **Road Force® test and balance** faster than any traditional balancer!

PATENTED

Vision System



- ✓ Eliminate error opportunities
- ✓ More information in less time

PATENTED

Diagnostic Load Roller



- ✓ Solve vibration problems
- ✓ Identify vehicle pulls
- ✓ Provide "new car ride"



Shown with options

Road Force® Elite vision technology unlocks more



Standard balancer

VS.



Hunter Road Force® Elite

1:15 - 3:00+ Floor to floor

-Plus-

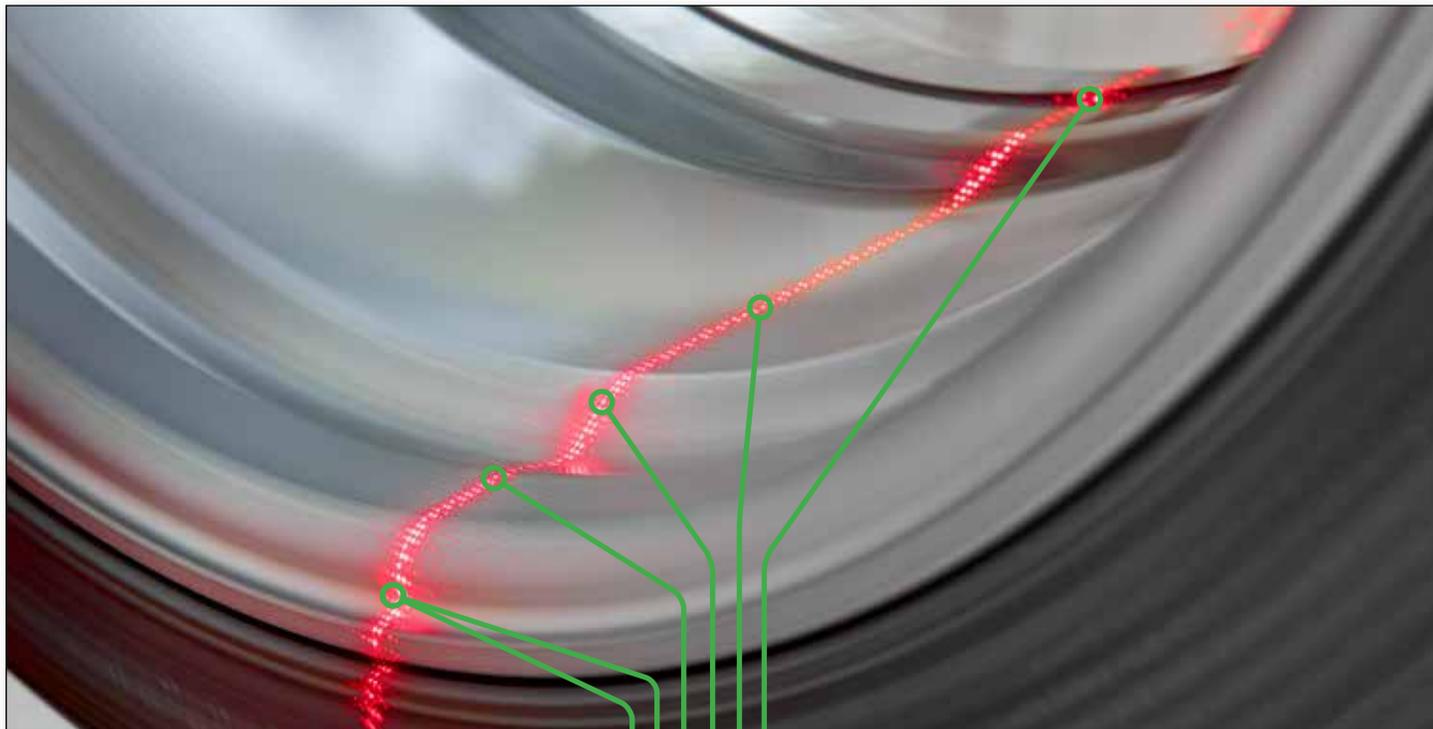
- Wheel dimensions
MANUAL
- Weight mode
MANUAL
- Spoke location
- Rim profile
- SmartWeight® optimized
- Rim runout
- Road force
- Tire pull
- Error-proof
- Forcematch prediction
- Unguided balance

1:10 Floor to floor

-Plus-

- Wheel dimensions
AUTOMATIC
- Weight mode
AUTOMATIC
- Spoke location
AUTOMATIC
- Rim profile
AUTOMATIC
- SmartWeight® optimized
AUTOMATIC
- Rim runout
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- Road force
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- Tire pull
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- Error-proof
AUTOMATIC
- Forcematch prediction
AUTOMATIC
- Guided balance

benefits in less time!



Wheel dimensions

AUTOMATIC



Automatically determines weight plane locations

Weight mode

AUTOMATIC



Selects clip or tape weight usage

Rim runout

AUTOMATIC



Calculates force-match solution

Spoke location

AUTOMATIC



Automatically hides tape weights behind spokes

SmartWeight® optimized

AUTOMATIC



Allows more single weight solutions

Rim profiled

AUTOMATIC



Creates three-dimensional model of the rim



Reduce operator error

- ✓ Automatically measures wheel dimensions
- ✓ Automatically selects weight mode
- ✓ Automatically measures rim runout

Road Force® Elite performs up to 47% faster than previous models



GSP9712
(Generations 1 and 2)
Up to 18 years old



GSP9722
(Generation 3)
Up to 10 years old



Road Force Touch®
(Generation 4)
Up to 4 years old



Road Force® Elite
(Generation 5)
Up to 1 year old

Balance and
measure road force

1:40

1:40

1:15

1:10

Balance and repair
road force

3:31

3:31

2:51

1:51

**19%
improvement!**

**47%
improvement!**

Improving technician performance



Automatic CenteringCheck® reduces setup errors

Miscentering during wheel balancing procedures is the number one cause of improper balancing and customer comebacks. Automatic CenteringCheck® always monitors wheel centering to reduce setup errors.

- ✓ Automatically monitors centering
- ✓ Notifies technician of setup errors
- ✓ Reduces customer comebacks



Balancer Report Card optimizes weight placement

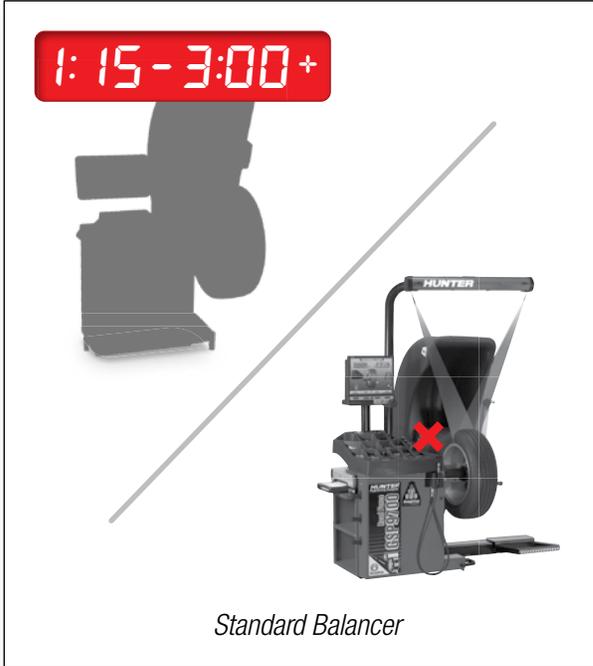
Balancer Report Card scans the wheel and determines where the technician placed the wheel weights. The balancer then scores the accuracy of placement.

- ✓ Illustrates placement errors to the technician
- ✓ Provides report to technician to enhance accuracy
- ✓ Improves balance results



A tale of two shops

OTHER shops



Standard Balancer

Tire is balanced with standard non-diagnostic balancer or older generation Road Force® with the roller turned off.

QUALITY CONTROL DEPARTMENT



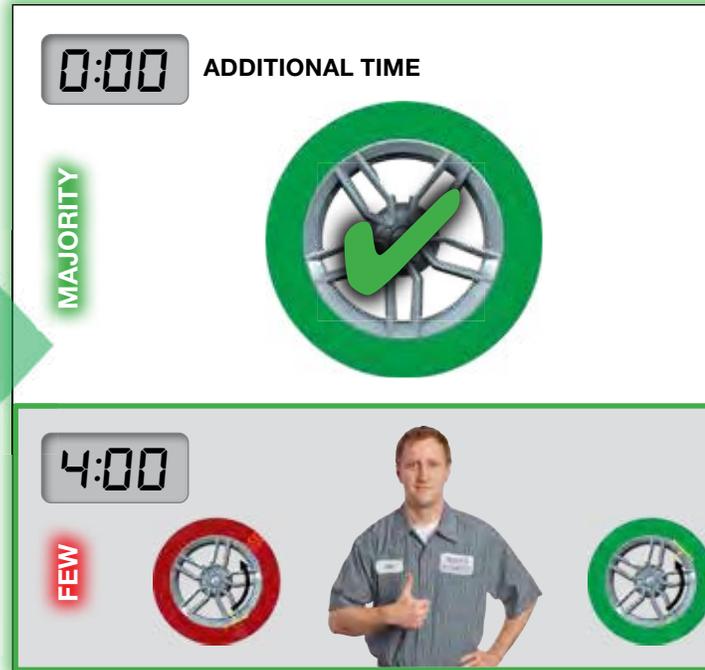
Since customers are performing quality control for the shop, no additional time is required.

Road Force® Elite shops

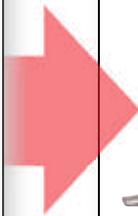
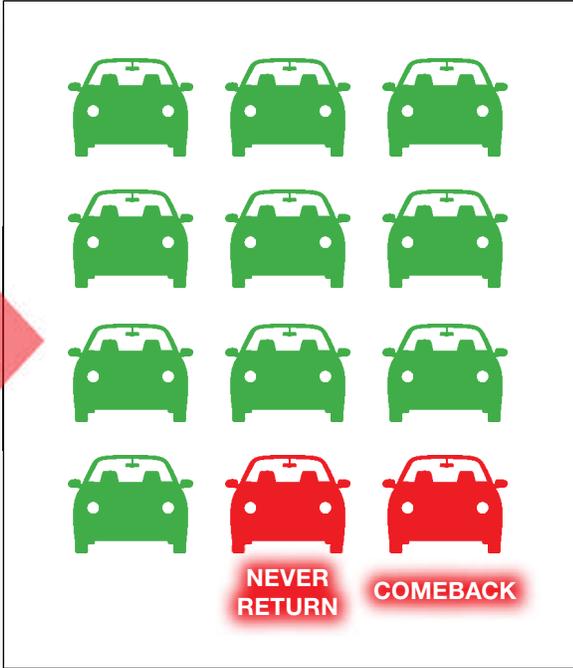
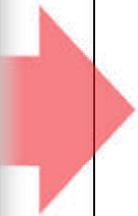


Tire is balanced in less time with Hunter's Road Force® Elite premium diagnostic balancer.

QUALITY CONTROL DEPARTMENT

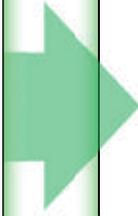
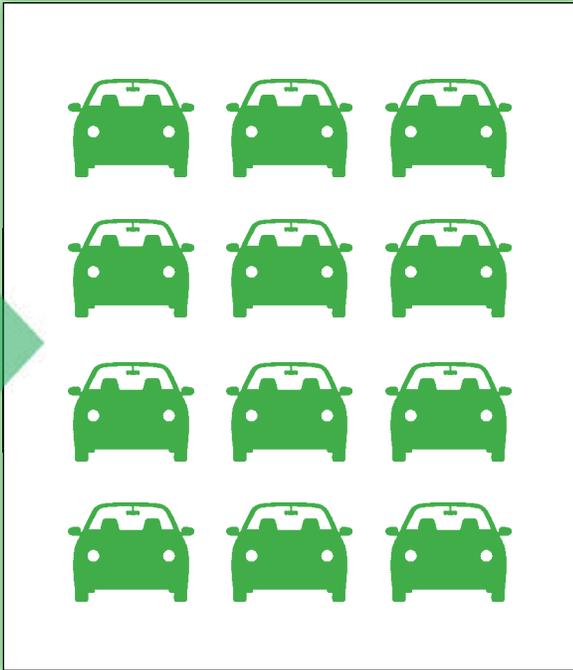
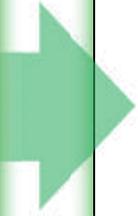


A few tires need to be repositioned on the rim to guarantee a round assembly and a smooth ride. This only adds a few minutes when handled at installation.



Majority of customers leave happy, but a small portion leave unhappy. Some return unhappy, others never return.

Customers that return unhappy will require over 45 minutes of additional work that technicians are often unequipped to handle.

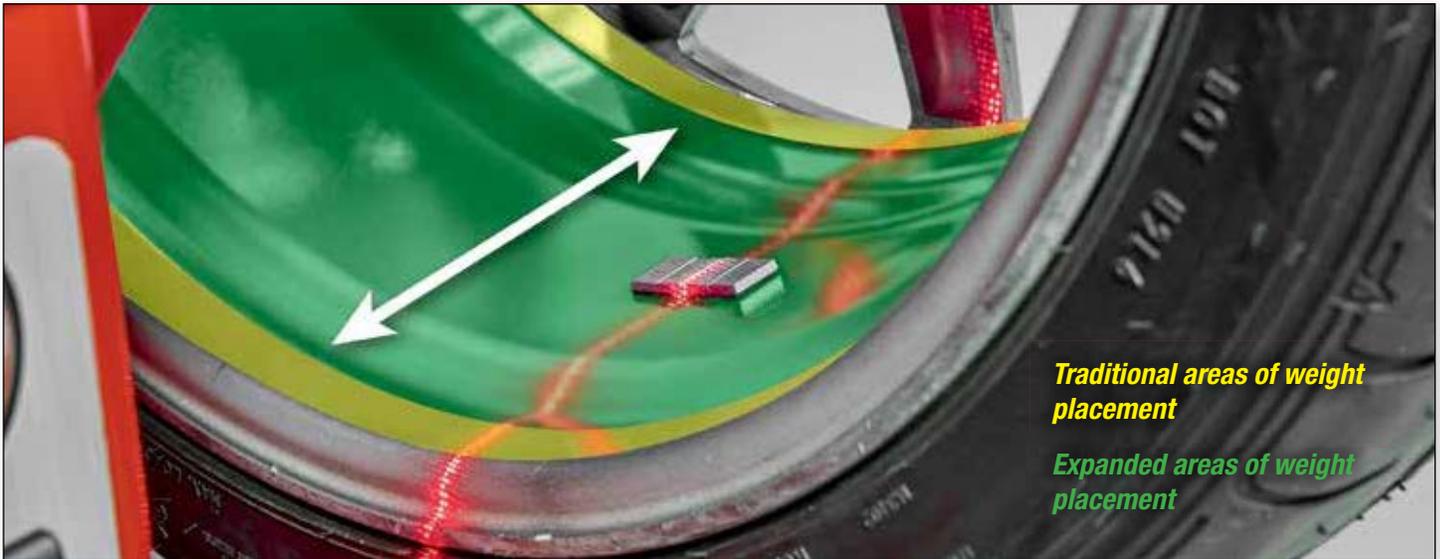


Because the technician tested every assembly, all customers leave happy.

Superior service differentiates Road Force® Elite shops from all other shops.

Enhanced SmartWeight®

Additional weight locations save time and money



Road Force® Elite vision system increases balancer accuracy and single weight solutions.

4

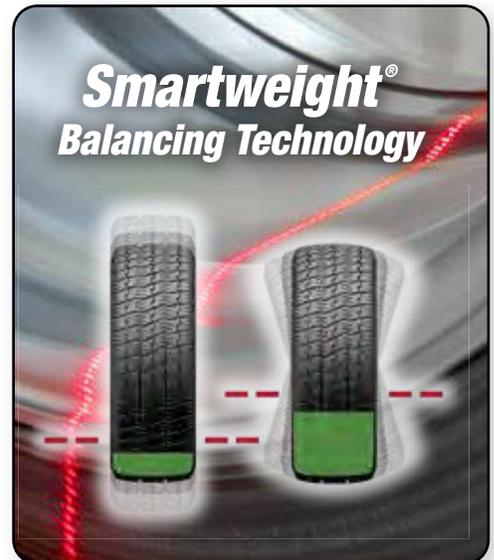
*Modern vehicles are **4x** more sensitive to static vibration forces than couple or dynamic forces.*

66

*Avoid an average of **66 comebacks** per year by using SmartWeight.*

202.1

*An average shop saves **202.1 kg** per year with SmartWeight.*



Watch your savings grow!



See weight and labor savings based on your shop's numbers

PATENTED

StraightTrak[®] corrects tire pull

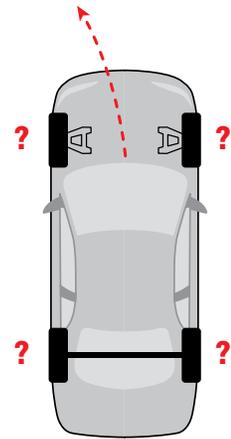
PERFORM LATERAL FORCE MEASUREMENTS WITHOUT TIME PENALTY

Tires just rotated?

Customer complains about vehicle pulling to the left.

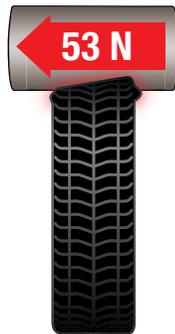


Mysterious left pull

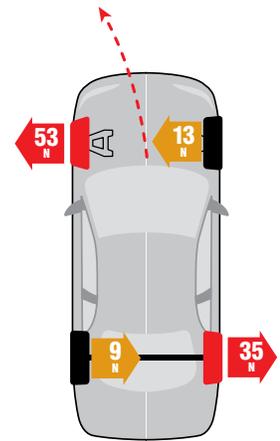


Measure lateral force to identify pull

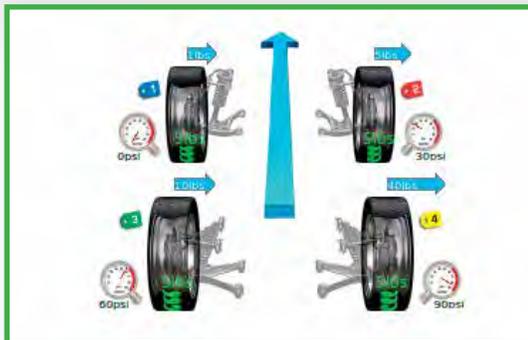
Tire conicity can **ONLY** be measured accurately when the tire is under load.



Pull identified

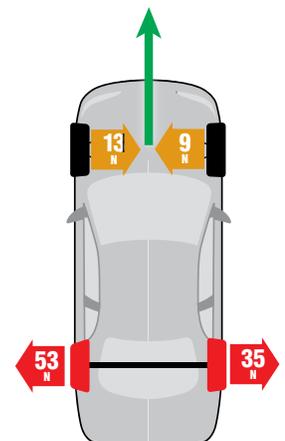


StraightTrak delivers the ultimate in customer satisfaction



Hunter suggests optimal wheel placement just like Original Equipment Manufacturers.

Pull eliminated



EXCLUSIVE

Intuitive interface simplifies operation

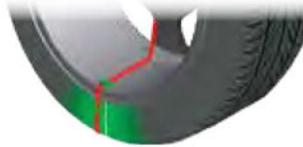
Balance operation



Rim cutaway displays selected weight mode



Switch text language with the push of a button



TruWeight™ provides live navigation through selection and placement of wheel weights



One touch to display rim dimensions

Road Force® operation



Simple graphics illustrate how to optimize assembly



Road Force® panel displays assembly value and limits



Live rim and tire conditions shown on-screen



Color-coding allows operator to visualize Road Force® variations



EXCLUSIVE TO ROAD FORCE® ELITE

- ✓ Balancing Push Reports
- ✓ Allows you to view balancer usage online
- ✓ See trends like Road Force values and wheel types being serviced
- ✓ Track wheel weight usage and savings

Additional features make balancing faster and easier



EXCLUSIVE
Most durable shaft in the industry



Bottom laser and wheel light



EXCLUSIVE
TranzSaver™

Compares tire circumferences as specified by OEs to prevent damage to AWD vehicles.



FASTER
Integrated Inflation Station

Popular equipment upgrades



Wheel lift

- ✓ Safely service heavy, oversized wheels
- ✓ Precisely center all wheels



SpeedClamp®

- ✓ Clamp wheels automatically
- ✓ Save time and effort
- ✓ Eliminate wingnut



Adjustable flange plate – 20-3698-1

Optional flange plate kit provides quick setup for maximum coverage



QuickNut – 76-438-2

Optional wingnut allows fast clamping to standard threaded 40mm shafts.



*Hunter offers hundreds of accessories to customize your balancer to your service needs. See form **3203-T** for more information.*



PATENTED

HammerHead® top-dead-center laser

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ More single-spin balances improve productivity
- ✓ Overhead fluorescent light illuminates work area



Incorrect



Correct



Printer kit with storage shelf

- ✓ Print Road Force Measurement® test results
- ✓ Win more approvals with clear and informative printouts



Specifications



RFE30E shown with optional TDC laser system, inkjet printer and shelf storage

Power requirements

196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)

Air supply requirements

7-12 bar (100-175 psi)

Roller force

Variable up to 567 kg (1250 lbs.)

Capacity

Rim width 38 – 521 mm (1.5 – 20.5 in.)

Rim diameter 254 – 762 mm (10 – 30 in.)

Maximum tire diameter 1016 mm (40 in.)

Maximum tire width 508 mm (20 in.)

Maximum tire weight 79 kg (175 lbs.)

Radial and lateral runout accuracy

0.051 mm (0.002 in.)

Displaced imbalance resolution

± 1.4 g (0.05 oz)

Placement accuracy

512 positions, ± 0.35°

Balancing speed

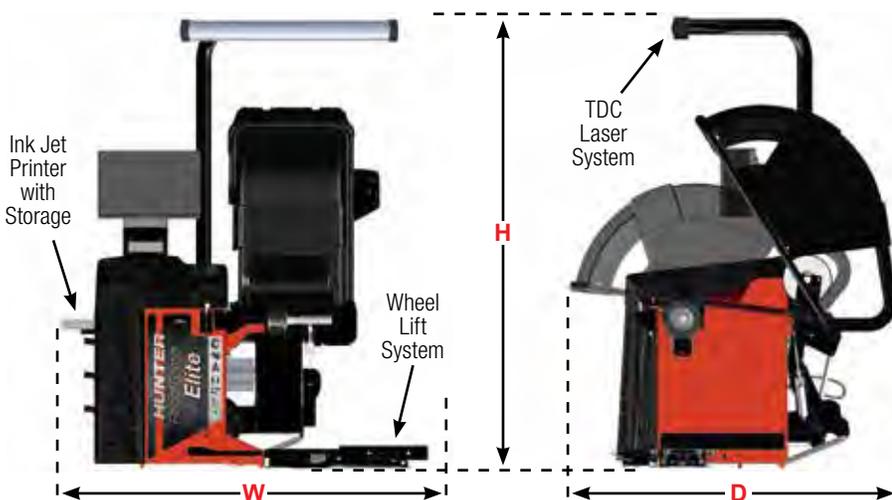
300 rpm

Motor

Programmable drive system and DC motor

Models*

	RFE30E	RFE20E	RFE10E	RFE00E
Wheel lift system	✓		✓	
SpeedClamp® system	✓	✓		
Standard wingnut			✓	✓
Width (W)	1626 mm 64 in.	1448 mm 57 in.	1626 mm 64 in.	1448 mm 57 in.
Height (H)	1778 mm 70 in.	1778 mm 70 in.	1778 mm 70 in.	1778 mm 70 in.
Depth (D)	1600 mm 63 in.	1600 mm 63 in.	1600 mm 63 in.	1600 mm 63 in.
Weight	395 kg 871 lbs.	335 kg 739 lbs.	361 kg 796 lbs.	336 kg 741 lbs.



* Road Force® Elite model numbers are trademarks of Hunter Engineering Company.

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

HUNTER

Engineering Company

www.hunter.com

11250 Hunter Drive, Bridgeton, MO 63044, USA

Tel: 1-314-731-3020, Fax: 1-314-731-0132

Email: international@hunter.com