

## PRODUCT INFORMATION CV JOINT BOOTS

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### **SUPER LONG LASTING, SUPER DURABLE BOOTS ...**



Think all boots are pretty much the same?

### THINK AGAIN.

# Learn some key facts about DURABOOT, Made by Rockford Constant Velocity.

Since the invention of front wheel drive technology, the boot has always been the weak link in the driveline chain, prompting an on-going search for improved boot materials. The evolution has led from rubber - found to be problematic due to its resistance to CV greases; followed by nitrile - which was abandoned due to inadequate low temperature performance. Neoprene, silicone and polyurethane soon followed and flopped due to rapid-fire failure.

Fortunately, for the driveline industry, an industrious group of polymer chemists have finally cracked the materials barrier. At long last, a thermoplastic material has entered the picture! A material that demonstrates high and low temperature characteristics, is impervious to lubricants, yet is still flexible enough to make and hold its seal even at the most extreme angles! The DURABOOT from Rockford utilizes this new thermoplastic material and is proven to run circles around its competition in terms of durability (see Durability Test inset) while also offering superior temperature resistance!

Advanced tooling design gives the DURABOOT proper flexibility, sufficient wall thickness which provides strength while forming and holding a proper seal at both the joint and the shaft.

The photo below shows a cross section of the DURABOOT. Note that the thickness is where it is needed most....at the curves of the bellows and at the sealing areas!

Confirmed by testing and extensive research, the DURABOOT by Rockford Constant Velocity is setting a new standard of superiority for the industry!



#### **DURABILITY TEST** Boots consisting of the different materials shown below were tested on a cv axle under the following conditions: 1. Angle-25 degrees 2. Speed-60 MPH MILES: 3. Temperature-Room 24000 22000 20000 18000 16000 14000 12000 10000 8000 6000 4000 2000 NEOPRENE DURABOOT'

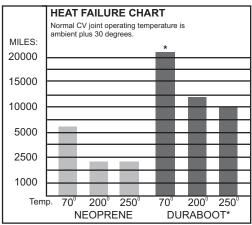
### The Causes of Boot Failure

The #1 cause of boot failure is HEAT!

Most often the source of this heat is the axle itself however sufficient heat to cause boot failure can also be transmitted from malfunctioning or stuck brake pads, worn wheel bearings, internal transmission problems or exhaust system leaks.

All CV boots will fail under extreme high temperatures (see Heat Failure Chart, inset), however the DURABOOT offers an added advantage over other boots. Where Rubber latex boots will tear apart and disengage when over-heated, the DURABOOT, with a melting point of 475° will stay intact on your axle and show mild melting evidence alerting you of heat failure.

This added diagnostic feature will allow you the benefit of early detection and enable you to focus on the system in the ATV or UTV causing the heat issue.



\*THE DURABOOT WAS STILL RUNNING AFTER 20,000 MILES IN BOTH TEST

Super-Long Lasting... Super-Durable...

Formulated
to withstand
the most
severe road
and
temperature
conditions...

Made in the U.S.A.

Motor Master Powersports protects their axles with DURA-BOOTS

PROTECT YOUR INVESTMENT