

# MAZDA MOTORSPORTS

By: **PENSKE**  
RACING SHOCKS

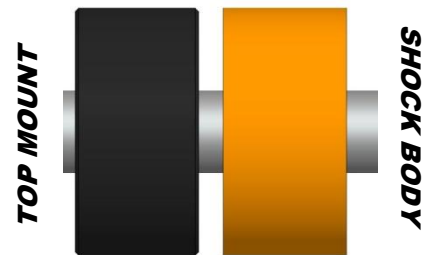
## **SPEC MIATA FRONT SHOCK (COILOVER VERSION)**

### **MODIFIED OEM UPPER MOUNT**

The Penske Racing Shock MX-5 Spec Miata damper package utilizes the existing upper mount with a simple modification. Reference the back of this page for modification instructions.

### **BUMP RUBBER**

Provides a plush cushion near the end of stroke, preventing abrupt damper bottoming. Prevents violent chassis disruption due to large high speed shaft displacement that causes bottoming.



### **SHAFT SPACER & BUMP RUBBER:**

- Black Delrin spacer limits stroke - .75" long
- Orange polyurethane bump rubber - .75" long

### **RIDE HEIGHT ADJUSTMENT**

Provides built-in Ride Height adjustment to the body of the shock  
Knurled locking collar provides positive, tool free adjustment

### **OPTIONAL BOLT-ON MEASUREMENT COLLAR**

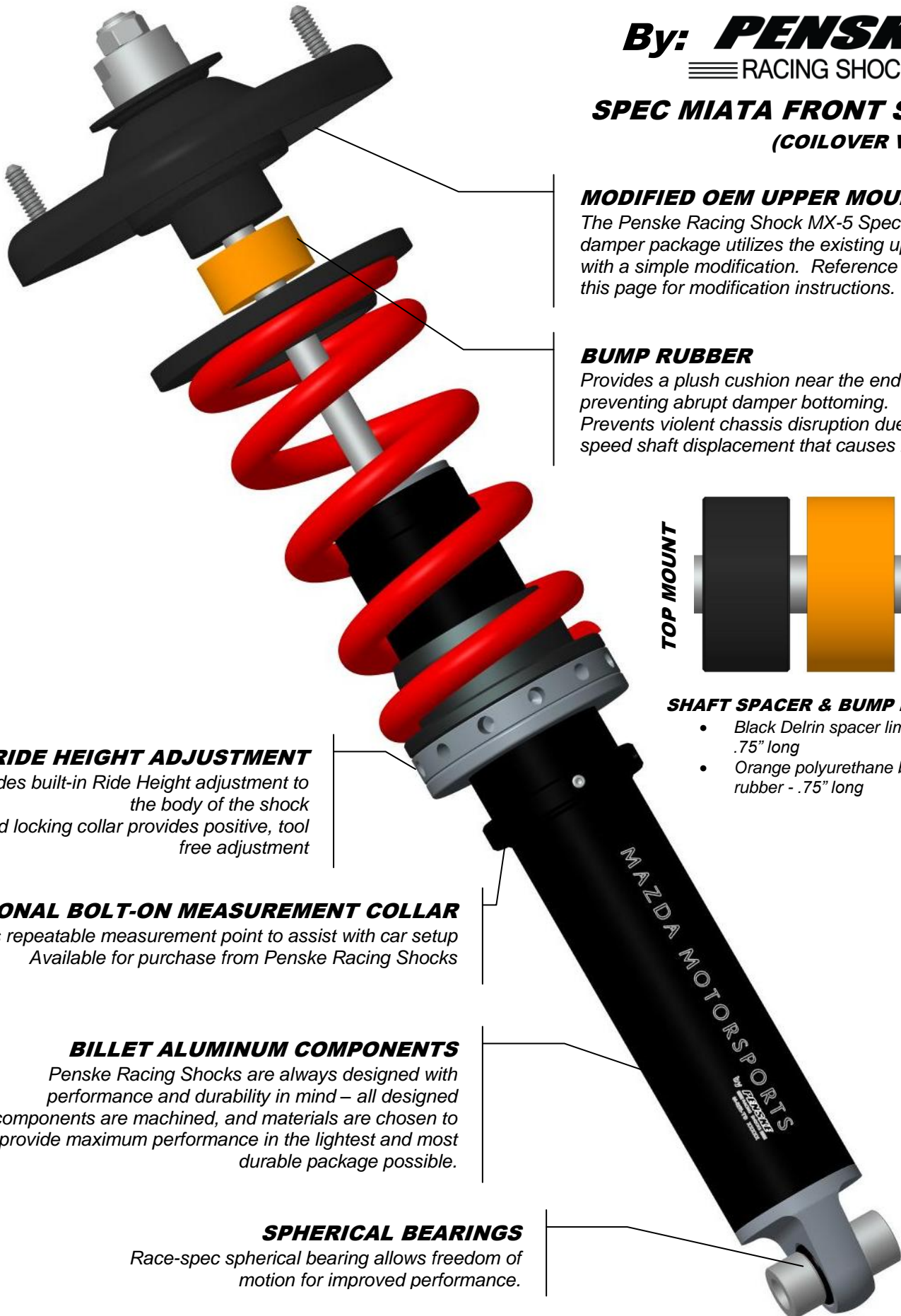
Provides repeatable measurement point to assist with car setup  
Available for purchase from Penske Racing Shocks

### **BILLET ALUMINUM COMPONENTS**

Penske Racing Shocks are always designed with performance and durability in mind – all designed components are machined, and materials are chosen to provide maximum performance in the lightest and most durable package possible.

### **SPHERICAL BEARINGS**

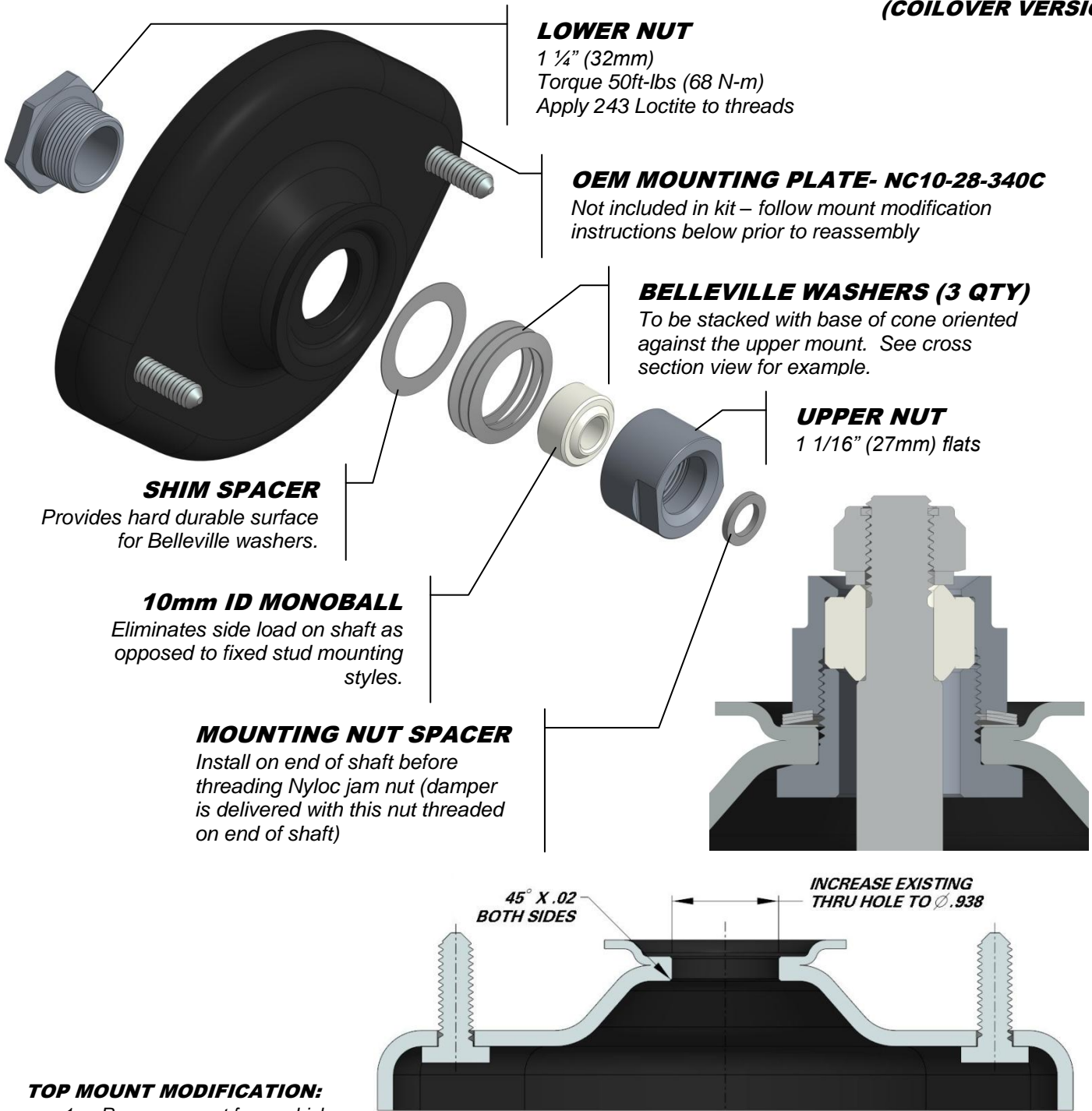
Race-spec spherical bearing allows freedom of motion for improved performance.



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### TOP MOUNT MODIFICATION:

1. Remove mount from vehicle
2. Secure mount to table of drill press/mill
3. Using high speed step drill bit & cutting fluid, enlarge existing thru hole to  $\text{Ø}.938$  (15/16"). (Step drill can be purchased from any industrial supplier such as McMaster-Carr, MSC, Grainger, etc.)
4. Chamfer/deburr hole edges
5. Assemble mounting components as specified above
6. Re-install into vehicle

**PENSKE**  
RACING SHOCKS  
150 FRANKLIN ST • P.O. BOX 1056  
READING, PA 19602  
(610) 375-6180 • (610) 375-6190 FAX