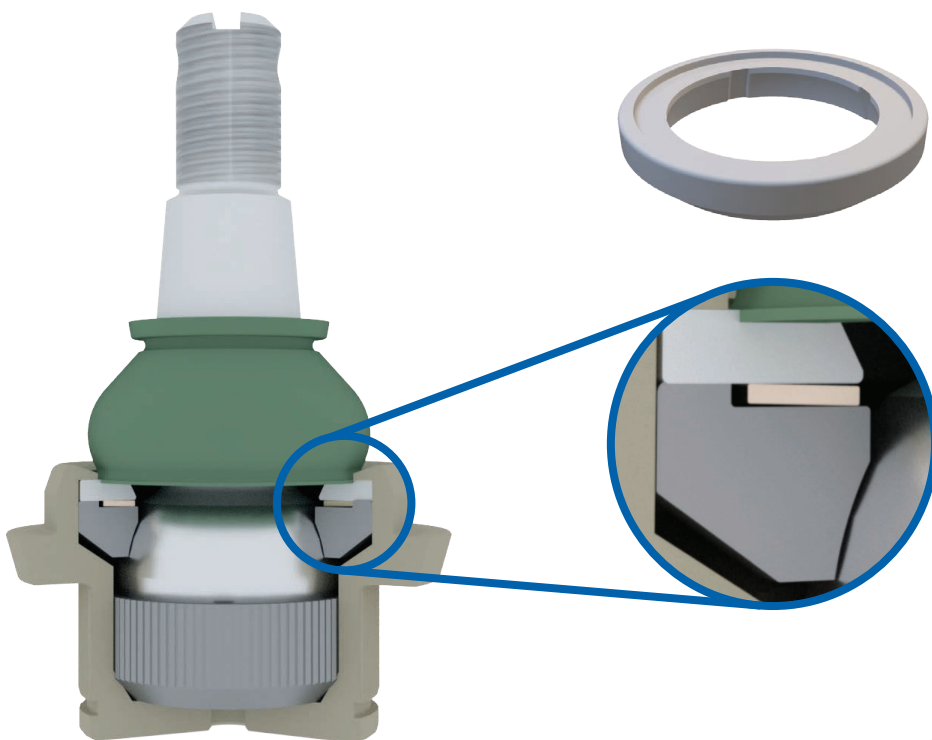


ACDelco Advantage Chassis Stepped Bearing Technology Terrain eXtreme

Ultra Strong and Long Lasting Parts

Engineered to provide exact and self-calibrating preload, the stepped bearing is designed to limit flattening of the Belleville disc spring during part service life. This creates a tighter and stiffer assembly with extra strength under all service conditions. Along with other technology available only on TX, Stepped Bearings are part of the ultimate engineering solution for ultra strong and longer lasting parts.



FIRST, an innovative recess is incorporated into the sintered metal bearing, as a secure base for the spring disc to be precisely placed.

SECOND, the shoulder of the recess protects the disc spring from excessive stressing forces and that any loading force remains within tolerances. This keeps the disc impact resistant over part service life.



TESTED
to rigorous standards

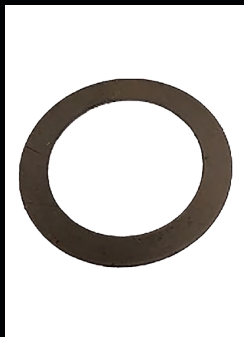


GM-BACKED
limited warranty

ACDelco Advantage Chassis

Stepped Bearing Technology

ISSUE



Belleville Spring Disc

- Belleville spring discs are conically shaped washers, generally found in chassis components. Through their conical shape and impact resistant profile, these provide the tension which keeps the ball joint together.
- Typically in service, the spring disc encounters a consistent load and deflection force. Over time or extremes of these may flatten or crush the washer. The loss of its impact resistant profile will manifest as 'play', indicating replacement of the component.
- Additionally, heavy use conditions may accelerate the development of this play.



Failed Spring Disc

STEPPED BEARING TECHNOLOGY IS CURRENTLY AVAILABLE ON ALL TX BALL JOINTS, CONTROL ARMS, TIE RODS AND STABILIZER LINKS.

Popular part numbers and applications featuring stepped bearings:



BALL JOINTS

TXMS40546 – Front Upper
2004-2019 Ford F-150

TXMS86568 – Front Upper
2005-2019 Toyota Tacoma



CONTROL ARMS

TXMS25147/8 – Front L/R Upper
2006-2018 RAM 1500

TXK80669/70 – Front L/R Upper
2007-2016
Chevrolet Silverado 1500



OUTER TIE RODS

TXMS40646 – Front Outer
2011-2019 Ford Explorer

TXES3614 – Front Outer
2009-2019 Dodge Journey



STABILIZER LINKS

TXK7258 – Front
1996-2019 Dodge Grand Caravan

TXMS308139 – Rear
2012-2019 Nissan
NV1500/2500/3500

Contact your ACDelco parts supplier for warranty and additional parts information.

ACDelcoCanada.com