COUPLINGS

ZDT ZDTZero Backlash Telescoping Universal Joints
Torques to 600 inch-lbs

Notes
1. Closed dimension for standard ¼” of travel. Travel up to 6” on request.
2. Where high torsional rigidity is required, ZA8C and ZD8C are recommended.
3. Where high torsional rigidity is required, ZDT8C is recommended.

Materials
Body: 303 Stainless, 304 and 316 special order
Balls: Precision grade 440 Stainless

Lubrication: Sealed in solid film plus oil suspension
Temperature: 0 to 100º C (-40ºC and other temperature ranges on request)

Torque rating: Conditions are for static in-line loading. Maximum load being one which causes the joint to yield.
Operating Angle: Up to 60º for ZDT3, 4, 6
Up to 30º for ZDT8
Up to 20º for ZDT12
Maximum RPM: 3600

These unique zero backlash telescoping universal joints use precision balls, burnished custom spherical sockets and accurately sized components so when assembled an elastic preload will eliminate clearance between bearing surfaces.

Zero Backlash in a telescoping universal joint!
Instrumentation quality
Up to 10º operating angle for zero backlash
10 to 30º operating angle for zero backlash per joint at 50% torque
Bores from 3/16” to 1”, 5 to 25mm
Quick delivery in inch and metric sizes

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Single and Double Universal Joints available see ZA/ZD data sheet

<table>
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<tr>
<th>Part Number</th>
<th>OD (in)</th>
<th>Standard Bore Size</th>
<th>Optional Bore Size</th>
<th>Depth of Bore</th>
<th>End Unit</th>
<th>Center</th>
<th>L</th>
<th>F</th>
<th>Torque in-lbs</th>
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