



# MINIATURE PRECISION TORQUE SPLINES

## FEATURES AND BENEFITS

The Helix Linear Precision Torque™ Splines are a convenient and efficient device that allows low friction motion while transmitting torque. In a Helix PT Spline assembly the high strength composite polymer bushing carries the load between the rotating member (inner race) and the rotating/translating member (bushing).

Helix PT Splines are coated with Helix H4X™ PTFE coating for long life and anti-friction. The PT bushings are offered in a standard freewheeling design and an anti-backlash design.

These bushings can be mounted using an integral thread or they can be assembled using a round or compact mounting flange shown on page 7.

The Helix PT Splines and Bushings can be modified to custom designs and configurations. Contact Helix Sales Engineers at [sales@helixlinear.com](mailto:sales@helixlinear.com). Helix Linear will provide customer specific part numbers on request - email your drawings to [sales@helixlinear.com](mailto:sales@helixlinear.com)

### PTA ORDERING GUIDE TABLE

Bushing Style	Spline Diameter	Mounting	Number of bushings per spline	Coating Type	Length
<b>PTS</b> Standard Bushing	<b>04</b> 1/4"	<b>R</b> Round Flanged	<b>01</b>  <b>02</b>  <b>03</b>  <b>04</b>	<b>HX4</b> Helix PTFE	Length (inch) example: <b>10.00</b>
	<b>06</b> 3/8"	<b>C</b> Compact Flanged			
<b>08</b> 1/2"		<b>T</b> Threaded Mount			
	<b>PTA</b> Anti-backlash Bushing	<b>P</b> Plain Mount		<b>BD</b> Black Diamond	
<b>PTA</b>	<b>04</b>	<b>C</b>	<b>01</b>	<b>H4X</b>	<b>10.00</b>