

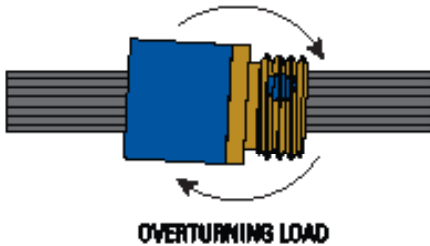


MINIATURE PRECISION TORQUE SPLINES



SPLINE LOAD DEFINITIONS

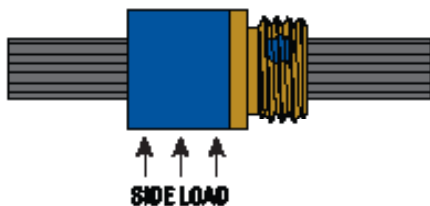
OVERTURNING LOAD - A load that rotates the outer race around the longitudinal axis of the inner race. (See below)



TORQUE LOAD - A load that rotates around the radial axis of the inner race/spine. (See below)



SIDE LOAD - A load that is applied radially to the outer race. (See below)



MATERIAL SPECIFICATIONS

Precision Torque[™] inner races are made of high quality 304 stainless steel and coated with H4X PTFE coating. Precision Torque[™] bushings are made of high strength bronze and Helix brand high-load composite polymer.

PRELOAD - Preload is a load introduced between bushing and spline that eliminates radial movement. Preloaded assemblies provide zero backlash for excellent repeatability and increased system stiffness.