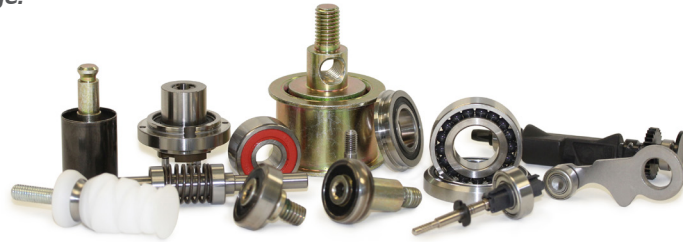


Specialty Bearings

When standard bearing products don't suit your application requirements a unique custom designed product is the ideal solution. Co-develop your unique bearing design with the company that has a heritage of guide bearing experience. Complete sub-assemblies can be designed and sourced in large quantities under reasonable lead-times. With a specialty bearing, additional features and components can be integrated to reduce complexity. Our production environment can accommodate a variety of sizes and materials and includes polymer over-molding and final assembly.

Contact us to discuss your challenge.



Capabilities for Bearings

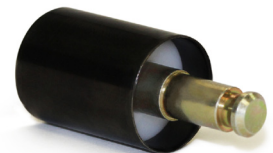
FEATURE	RANGE / DESCRIPTION
Size Range of Inner Bore Diameters	4mm to 60mm
Size Range of Outer Diameters	6mm to 80mm
Race Materials	Bearing steel 52100 or stainless steel
Precision Class	Up to ABEC 7
Bearing Type	Ball
Cage Materials	Steel, Nylon, PEEK, other
Seal Materials	Rubber (NBR, Viton, ACM, other), steel shields, stainless steel shields, combinations
Grease	Standard and special grease to suit application needs
Special Profiles	Many special profiles available for inner and outer diameters and widths
Performance Targets	Low noise, high load, long life, high speed, linear, other

Capabilities for Polymer Over-Molding

FEATURE	RANGE / DESCRIPTION
Polymer Materials	POM, Nylon, PBT, PET, PE, PA, PI, and many others (PU rubber is not possible)
Size Range	6mm to 100mm
Profiles	Concave, convex, U channels, and many special shapes to suit applications
Performance Targets	Low noise, high load, long life, other
Applications	Automotive, Mechanical, Medical, other

Capabilities for Assembly

FEATURE	RANGE / DESCRIPTION
Materials	Pressings, plates, shafts, nuts, customer supplied components
Sub-Assemblies	Can be supplied or sourced for integration



BISHOPWISECARVER
A FAMILY OF SOLUTIONS

Actuated Linear Guide Systems
Rotary Guide Systems
Manual Linear Guide Systems
Components and Accessories

Certified AS9100C & ISO 90001
Certified WBENC Woman Owned
Certified Bay Area Green Business
ITAR Regulation Compliant