

jewel bearing :

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Gemstone bearings have the advantages of anti-wear, small frictional moment, and high compressive strength, so they are widely used in the precision instrumentation industry, such as electric energy meters, water meters, high-speed centrifuges, high-speed energy storage flywheels, compasses, meteorological instruments, aviation The support of active parts such as nautical instruments has the characteristics of long life, high speed, high wear resistance, and high sensitivity.



There are mainly through-hole type, single spherical groove jewel bearing, double spherical groove jewel bearing, V-shaped groove jewel bearing and other types.

typical application:

Various precision timing instruments, automatic recording instruments and various precision measuring tools (dial gauges, dial gauges, etc.), timing instruments and other instrumentation rotating system cylindrical support.

Product parameters:

	outer diameter D	Height H	Aperture d	Radian R	Oil groove, convex top curvature radius SR	Groove curvature radius SR	Groove depth h	V-shape angle α
Size range	$\Phi 0.50$ ~ $\Phi 200.00$	0.10 ~ 200.00	$\Phi 0.05$ ~ $\Phi 180.00$	$>2H$	>0.45	0.10 ~ 150	0.05 ~ 12	$40^{\circ} \sim 160^{\circ}$
limit deviation	0.004 ~ 0.05	± 0.01	0.004 ~ 0.06		± 0.03	± 0.01 ~ ± 2.00	± 0.01 ~ ± 0.10	$\pm 5^{\circ}$