Vibration Testing Equipment

HydraBall

Systems & Solutions

Engineered vibration testing solutions for improved product quality.

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The *Team* HydraBall provides a zero backlash, zero friction, direct load path coupling. A low noise, cost effective replacement to conventional rod ends.

The HydraBall is a hydrostatic bearing, oil supported ball joint with non-contacting surfaces. Using the HydraBall instead of rod ends saves time and improves test results, becuase no greasing or adjustment is required.

HydraBall offers a very stiff connection in a smaller package and eliminates pin shear associated with other clevis pin assemblies. The *Team* Hydraball requires only 0.2 gpm of oil at 3000 psi. There are no high-pressure seals to wear out or cause friction to compromise your test results.

Features:

- Direct Load Path
- Eliminates Backlash
- Elimnates Friction
- Easy to Install
- Offers Flexibility on Installation
- Low Maintenance, Long Life Product

Applications:

- Multi-axis Test Systems
- Custom Designed Test Rigs
- Replaces Rod End Bearings

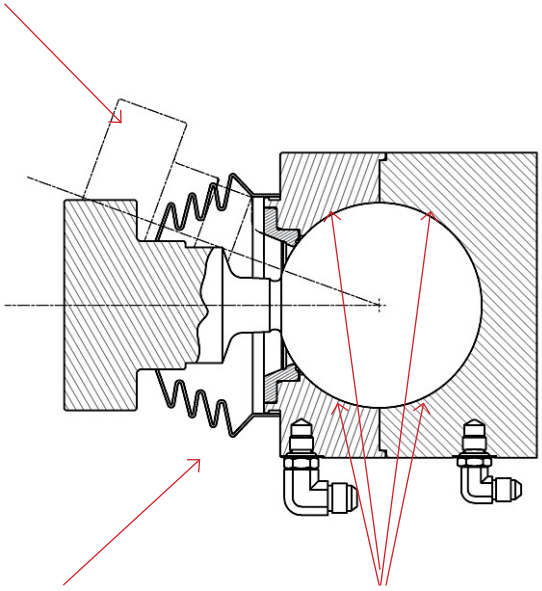
Specifications

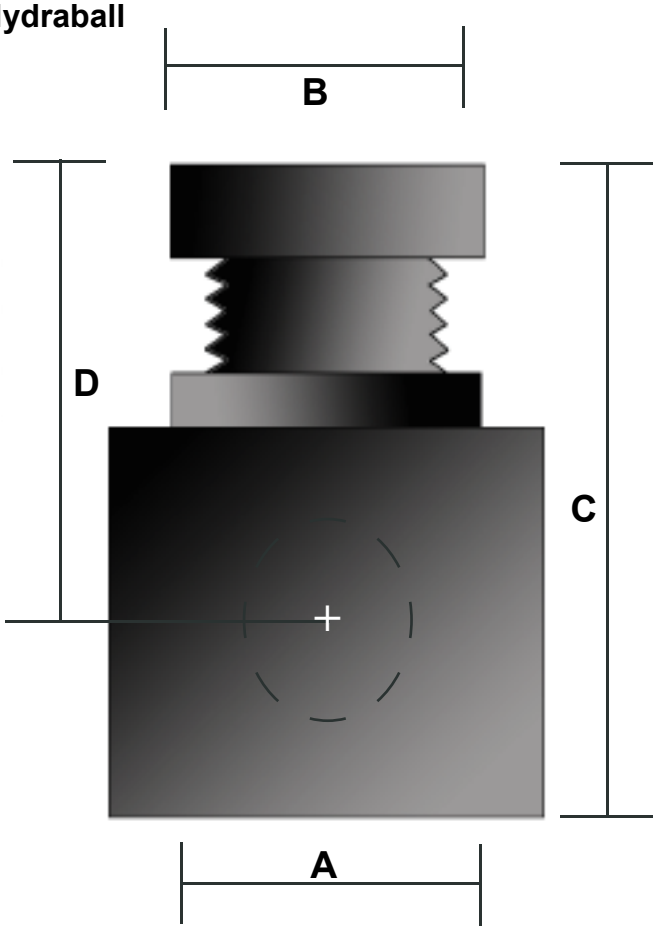
	Model HB30-15	Model HB40-20	Model HB60-20
Dynamic Load Capacity	± 3,500 lbs.	± 16,000 lbs.	± 32,000 lbs.
Static Load Capacity	2,000 lbs.	6,000 lbs.	12,000 lbs.
Angular Movement	± 15 degrees	± 20 degrees	± 20 degrees
Total Weight	10 lbs	38 lbs	155 lbs
Oil Consumption	0.15 g/m @ 3,000 psi	0.2 g/min @ 3,000 psi	0.3 g/min @ 3,000 psi
Dimensions			
A	4.75 in.	5.8 in.	8.7 in.
B	3.0 in.	4.0 in.	6.0 in.
C	7.0 in.	9.0 in.	13.5 in.

*ISO VG68 @ 100 F.

Anatomy of A Hydraball

+/- 20 degrees of rotation in all directions
Model HB 40-20
Model HB 60-20





Low-pressure seals, which can be serviced without disassembling the Hydraball. A protective rubber boot and negative drain pressure from your system HCM virtually eliminates oil leaks.

Hydrostatic bearings support the ball in all directions and offer zero backlash transmission of force.