



UBC BEARINGS AND HOUSINGS



Consideration should be given to the following relevant information when selecting and installing UBC Wide Inner Ring Bearings

1. Load and direction of load
2. Operating speed
3. Operating temperature
4. Required bearing life
5. Atmospheric effects
6. Type of lubrication
7. Ease of mounting
8. Design and space limitations
9. Accuracy of shafts and mounting structures

Load capacity and speed capability are influenced by the resultant fit of the bearing to both the shaft and the housing. Speed ratings in the catalogue are for h7 tolerances. Higher speeds are attainable please contact UBC for information.

UBC Wide Inner Ring Bearings are manufactured from high quality Vacuum Degassed Carbon Chrome or Stainless Bearing steels heat treated to HRC 62-66 for standard steel and HRC55-60 for stainless steel.

UBC Bearing Housings are manufactured from the following high quality materials
Grey Cast Iron,
Spheroidal Graphite Cast Iron,
304C Cast Stainless Steel,
Zinc Plated Pressed Steel,
Injection Moulded Reinforced Thermo Plastic.
Zinc Alloy

UBC Wide Inner Ring bearing units are pre lubricated with a high quality Lithium based grease of NLG2 consistency generally supplying adequate lubrication for the life of the bearing. Relubrication is possible through the grease nipples supplied.

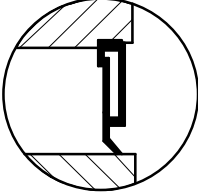
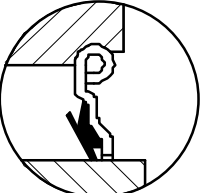
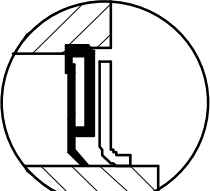
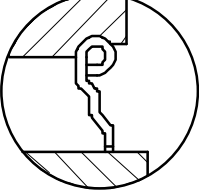
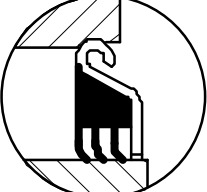
For lubrication schedule recommendations contact UBC.

UBC Wide Inner Ring Housings manufactured from Grey Cast Iron or SG Iron are painted in a durable Oven Baked Powder Coating giving a clean protective finish.

UBC Stainless Steel Housings and Thermoplastic Housings are unpainted.

<p>HOUSING Available Types P, F, FL, C, FA, FB, FC, HA, LF, PA, PH, SB, T, PP, PF, PFT, PFL.</p>	<p>AVAILABLE MATERIALS Grey Cast Iron: AS: 1830Gr.T-200 SG Iron: AS: 1831Gr.500-320 Pressed Mild Steel Cast Stainless Steel: 304C Plastic: Reinforced Thermoplastic P.B.T</p>
<p>BEARING Available Types UC, NA, UK, UR, SA, SB, CSA, CSB, CS, K. Extensive Range of Bore Sizes Available In Inch and Metric</p>	<p>AVAILABLE MATERIALS Rings and Balls: SAE 52100 DIN 100Cr6 BS970: 534A99 535A99 Stainless Rings and Balls: 440C Cage : Mild Steel : 321c Stainless High Tensile Socket Head Grub Screws</p>
<p>GREASE FITTING</p>	<p>Brass, Stainless Steel Straight, 45 deg, 90 deg.</p>
<p>SEALING</p>	<p>Nitrile Rubber Single Lip and Triple Lip Metal Flinger Disc ZZ Shields (go karts)</p>
<p>LUBRICATION</p>	<p>Lithium Grease No2 Consistency -30C to 120C operating range Special Greases Available on Request</p>
<p>DUST COVERS</p>	<p>Pressed Steel Open Type with Nitrile Rubber Seal Closed Type</p>

UBC Wide Inner Ring Bearings are fitted with the following seal types:

	<p>Synthetic Rubber single layer seal giving low friction with efficient grease retention and bearing protection against dust grit and moisture. Fitted to series SA, SB, CSA, CS, K</p>
	<p>Pressed Steel with Internal Synthetic Rubber Seal Lip. Very low friction seal with the seal lip protected by the metal shield. Fitted to series SA, SB, CSA.</p>
	<p>Synthetic Rubber single layer seal protected by a pressed steel Flinger disc attached to the inner ring of the bearing giving excellent protection to the seal by means of a simple rotating labyrinth. Fitted to series UC, UR, UK, NA</p>
	<p>Pressed Steel Shield offers the least bearing protection but has no seal friction. Preferred by Go Kart users. Fitted to series SB.</p>
	<p>Pressed Steel cover with a Synthetic Rubber Triple Lip Seal bonded to the inside. A very high friction seal giving the best protection against dust, dirt, sand, water. Recommended for severe service in agricultural or wash down applications. Fitted to series UC and NA. * please take note of the limiting speed</p>

Please use the following table when tightening the set screws:

SCREW SIZE	TORQUE Nm
M5X0.8 - 3/16 UNF	3.1 – 3.9
M6X1 - 1/4 UNF	4.1 – 4.9
M8X1 - 5/16 UNF	8.5 – 9.5
M10X1.25 - 3/8 UNF	16.5 – 17.5
M12X1.5 - 7/16 UNF	26.5 – 27.5
M14X1.5 - 1/2 UNF	31.5 – 33.5
M16X1.5 - 5/8 UNF	51.5 – 53.5
M18X1.5	55.5 – 58.5
M20X1.5	62.5 – 65.5