HIGH TEMPERATURE

STEEL BEARING INSERT

HIGH TEMPERATURE GREASES

The Lubrication! This is what some bearing manufacturers consider to be the only difference between a standard and high-temp insert.

THE USE OF HIGH-TEMP GREASE ALONE DOESN'T CREATE A HIGH-TEMP BEARING INSERT. For ANB it is one of the many important elements that make up a true high-temp bearing. Listed below are the grease used in ANB's C4HR5 and C4HR25 bearing units...

INTERNAL CLEARANCE

In the manufacturing of ball bearings, it is standard practice for ANB to assemble its rings and balls with specified internal clearance. In the case of high-temp inserts, internal clearance is even more important in compensating for thermal expansion of bearings, shafts and housings.

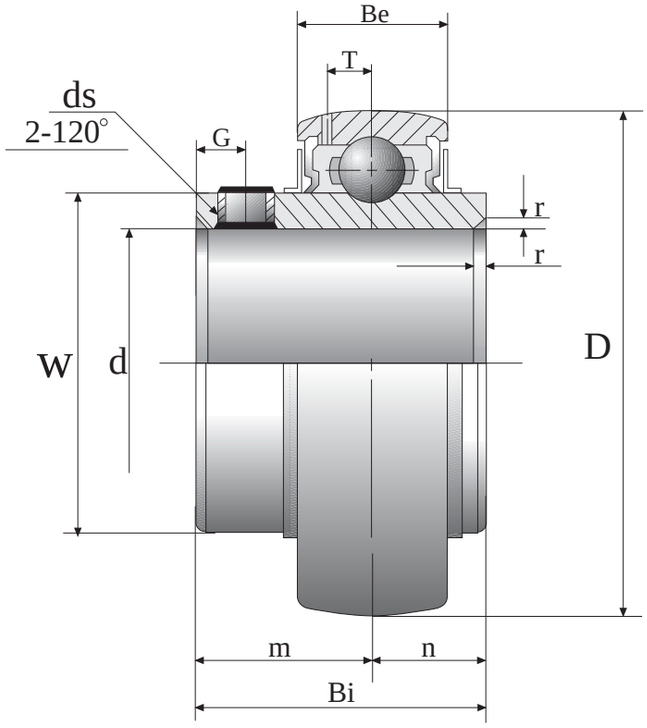
ANB uses an internal clearance standard of (C4) on all of its high-temp inserts.

SILICONE RUBBER SEALS

Most standard units are supplied with nitrile rubber seal. Nitrile rubber is an excellent seal at temperatures ranging from 0 to 212°F. Soon after that temperature, nitrile rubber starts to breakdown...Leaving no sealing element to retain the high-temp lubrication. SILICONE seals have excellent high temperature stability, exceptional release from sticking, resistance to aging, ozone, sunlight and outstanding water repellence. The use of SILICONE seals insures that the high-temp lube stays where it belongs...in the bearing!

ZINC ANODIZED SLINGER

In order to allow the silicone to properly do its job as a seal. ANB uses special Zinc Anodized Linger to protect it. The purpose of a slinger is not only to protect the seal, but also to provide the first line of defense for the balls and retainer against contaminants. Using a standard cold rolled steel slinger in a high-temp application may initially provide protection, but quite possibly corrode and lead to premature bearing failure. ANB's process of Zinc Anodization produces a slinger with two key attributes... Heat and Abrasion Resistance... A resistance that will maintain its properties well past the operation temperature of the Bearings.



*** Up to 210°C**

UNIT NUMBER	SHAFT DIAM.	DIMENSIONS (mm)										WEIGHT (kg)	BASIC LOAD RATING (N)	
	mm	D	Bi	Be	r	n	m	G	ds	T	W		DYNAMIC Cr	STATIC Cor
UC201C4HR5	12	47	31	17	1	12.7	18.3	4.5	M6X0.75	4.5	29	0.20	1310	680
UC202C4HR5	15	47	31	17	2	12.7	18.3	4.5	M6X0.75	4.5	29	0.18	1310	680
UC203C4HR5	17	47	31	17	1.5	12.7	18.3	4.5	M6X0.75	4.5	29	0.16	1310	680
UC204C4HR5	20	47	31	17	1.5	12.7	18.3	4.5	M6X0.75	4.5	29	0.16	1310	680
UC205C4HR5	25	52	34	17	1.5	14.3	19.8	5	M6X0.75	4.5	34	0.19	1430	800
UC206C4HR5	30	62	38.1	19	1.5	15.9	22.2	5	M6X0.75	5.1	40.5	0.30	2000	1150
UC207C4HR5	35	72	42.9	20	2	17.5	25.4	6	M8X1	5.8	48	0.48	2640	1570
UC208C4HR5	40	80	49.2	21	2	19	30.2	8	M8X1	6.2	53	0.62	2990	1830
UC209C4HR5	45	85	49.2	22	2	19	30.2	8	M8X1	6.5	57.3	0.67	3350	2090
UC210C4HR5	50	90	51.6	23	2	19	32.6	9	M10X1.25	6.5	63	0.78	3600	2370