

High Temperature Units

Bearings up to 450°F

AMI Bearings, Inc.
an **AS** company

PH: (800) 882-8642 • FAX: (847) 759-0630
www.amibearings.com



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-Temperature grease alone does not create a High-Temperature bearing insert. For AMI it is one of the many important elements that make up a true High-Temp bearing. Listed below are the greases used in AMI's

C4HR5 and C4HR23 bearing units:

C4HR5 = Max bearing operating temp (392°F) Yuken Super-Lube No.3/Oil Research Industrial, LTD. *soap based (compound) *max. operating temperature of the grease (+392°F)

C4HR23 = Max bearing operating temp (+450°F) Noxlub BF4026/Nok Klubber Co., LTD.

*fluorinated base (proprietary mixture) *max. operating temperature of the grease (+500°F)

INTERNAL CLEARANCE

In the manufacturing of ball bearings, it is a standard practice for AMI to assemble its rings and balls with a 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.

AMI uses internal clearance standard of (C4) on all of its High-Temp inserts.

SILICONE RUBBER SEALS

Most standard units are supplied with a nitrile rubber seal. Nitrile rubber is an excellent seal at temperatures ranging from 0 to 212 degrees F. Soon after that temperature, nitrile rubber starts to breakdown... Leaving no sealing element to retain the High-Temp lubrication. **SILICONE** seals have excellent 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, AMI uses a special **ZINC** anodized slinger 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. AMI'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 operating temperature of the bearings.

High Temperature Units

Bearings up to 450°F



PH: (800) 882-8642 • FAX: (847) 759-0630
www.amibearings.com

High-Temperature Units (up to 400°F)		Pillow Block	4 Bolt, 2 Bolt Flange Units	Take-Up Units	Tap Base Units, 3 Bolt Flange Bracket Units	Piloted Flange Units
		UCP200C4HR5	UCF200C4HR5 UCFL200C4HR5	UCST200C4HR5	UCTB200C4HR5 UCFB200C4HR5	UCFCS200C4HR5 UCFCF200C4HR5
AMI Part #	AVAILABLE SIZES	PRICE	PRICE	PRICE	PRICE	PRICE
201~204	12mm, 15mm, 17mm, 20mm, 1/2"~3/4"	82.30	83.10	89.90	99.00	94.60
205	25mm, 7/8"~1"	94.70	95.90	107.60	111.70	109.10
206	30mm, 1-1/8"~1-1/4"	113.60	114.60	133.00	153.90	123.60
207	35mm, 1-1/4"~1-7/16"	135.40	138.10	164.30	176.90	148.00
208	40mm, 1-1/2"	159.30	162.50	195.10	198.20	175.00
209	45mm, 1-5/8"~1-3/4"	179.20	182.50	220.70	217.00	200.40
210	50mm, 1-7/8"~2"	205.30	204.30	273.80	250.40	218.50
211	55mm, 2"~2-3/16"	262.80	265.30	356.60	-	299.90
212	60mm, 2-1/4"~2-7/16"	331.40	329.30	450.60	-	358.00
213	65mm, 2-1/2"	397.80	397.80	560.80	-	414.10
214	70mm, 2-11/16"~2-3/4"	465.60	-	-	-	539.80
215	75mm, 2-15/16"~3"	534.20	-	-	-	656.50
216	80mm	633.90	-	-	-	731.40
217	85mm	769.40	-	-	-	963.90

High-Temperature Units (up to 450°F)		Pillow Block	4 Bolt, 2 Bolt Flange Units	Take-Up Units	Tap Base Units, 3 Bolt Flange Bracket Units	Piloted Flange Units
		UCP200C4HR23	UCF200C4HR23 UCFL200C4HR23	UCST200C4HR23	UCTB200C4HR23 UCFB200C4HR23	UCFCS200C4HR23 UCFCF200C4HR23
AMI Part #	AVAILABLE SIZES	PRICE	PRICE	PRICE	PRICE	PRICE
201~204	12mm, 15mm, 17mm, 20mm, 1/2"~3/4"	149.10	149.90	156.70	165.90	161.50
205	25mm, 7/8"~1"	173.20	174.40	186.20	190.20	187.60
206	30mm, 1-1/8"~1-1/4"	206.20	207.20	225.50	246.40	216.10
207	35mm, 1-1/4"~1-7/16"	248.10	250.90	277.10	289.40	260.80
208	40mm, 1-1/2"	291.60	294.90	327.40	330.50	307.30
209	45mm, 1-5/8"~1-3/4"	328.30	331.20	369.70	366.10	349.40
210	50mm, 1-7/8"~2"	370.20	369.20	438.70	415.30	383.40
211	55mm, 2"~2-3/16"	478.80	480.30	572.60	-	515.90
212	60mm, 2-1/4"~2-7/16"	603.90	601.80	745.10	-	630.50
213	65mm, 2-1/2"	721.80	721.80	884.90	-	738.20
214	70mm, 2-11/16"~2-3/4"	916.90	973.40	-	-	991.10
215	75mm, 2-15/16"~3"	1059.30	1135.10	-	-	1181.60

High-Temperature Bearing Inserts		UC200C4HR5 (up to 400°F)	UC200C4HR23 (up to 450°F)
AMI Part #	AVAILABLE SIZES	PRICE	PRICE
201~204	12mm, 15mm, 17mm, 20mm, 1/2"~3/4"	66.90	133.70
205	25mm, 7/8"~1"	78.60	157.10
206	30mm, 1-1/8"~1-1/4"	92.60	185.10
207	35mm, 1-1/4"~1-7/16"	112.80	225.50
208	40mm, 1-1/2"	132.30	264.70
209	45mm, 1-5/8"~1-3/4"	149.00	298.10
210	50mm, 1-7/8"~2"	164.90	329.80
211	55mm, 2"~2-3/16"	216.00	432.00
212	60mm, 2-1/4"~2-7/16"	272.50	545.00
213	65mm, 2-1/2"	324.00	648.10
214	70mm, 2-11/16"~2-3/4"	376.10	827.40
215	75mm, 2-15/16"~3"	437.60	962.70
216	80mm, 3-1/8"	509.80	1121.50
217	85mm, 3-1/4"	614.90	1352.70

NOTE: Medium Duty and Heavy Duty are also available - Call for more information.