

Accessories

The bearing products in this catalog may require accessories to further enhance their value. These accessories range from end caps to lubrication. These accessories can be used on several bearing platforms and are available for customization with support from our Application Engineering group.

End Caps and Backside Seals

Additional sealing accessories are available for enhanced bearing and personal protection. End caps provide a guard from rotating shafts and conform to OSHA requirements for personal protection. In addition, these accessories together can better protect against high-pressure wash down and help reduce bearing moisture contact. Backside shield gaskets are mounted between the bearing and the equipment frame to reduce moisture runoff. Depending on your preference, these accessories are illustrated on the following pages.

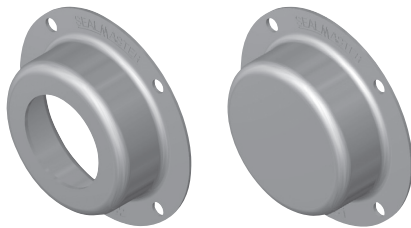
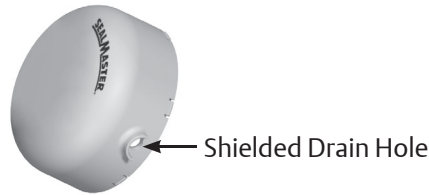
End Caps

End caps offer better protection against high-pressure wash down and can be used to reduce bearing moisture contact and provide personal protection to conform with OSHA and other regulatory guidelines.



Polymer Snap On Cap

Polypropylene material for resistant to corrosion, hand snap into housing for easy installation, and incorporate a shielded drain hole to reduce moisture buildup against the bearing.



Stainless Bolt On End Cap

Durable 304 stainless steel for resistance to corrosion and chemical attack, bolts onto housing with four cap screws for excellent holding power, drain hole to be positioned towards the bottom to reduce moisture buildup against the bearing.

Cap Availability

Product Line	Polymer Snap On	Stainless Bolt On
Sealmaster CR Gold Stainless	Y	N/A
Sealmaster PN Gold Stainless	Y	Y*
Sealmaster PN Gold Composite	Y	Y*
Sealmaster Material Handling	Y	Y*

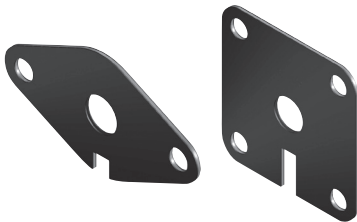
* Bolt on caps for mounted ball bearings are for flange housing designs only.
 Caps fit on housings that have been modified with the appropriate bolt pattern as defined by the prefix "B" in the part number.
 Example: Sealmaster PN Gold CRBFTS-PN24, Sealmaster Gold BSFT-24
 *Note: Additional end cap designs exist for non-standard parts or industry specific designs. Consult Application Engineering for more information.

End Cap Part Identification

Mounted Ball Bearing Caps

Bore Size		Unit Size	Polymer Snap On		Bolt On (2-bolt, 3-bolt, 4-bolt flange)	
inch	mm		Closed	Open	Closed	Open
3/4	-	12	ECC-12	ECO-12	N/A	N/A
-	20	204				
7/8	-	14	ECC-16	ECO-14	BEC-16	BEO-16
1	-	16		ECO-16		
-	25	205				
1 1/8	-	18	ECC-19	ECO-19	BEC-19	N/A
1 3/16	-	19		ECO-19		BEO-19
1 1/4R	-	20R		ECO-20R		BEO-20R
-	30	206		ECO-19		BEO-19
1 1/4	-	20	ECC-23	ECO-20	BEC-23	BEO-20
1 3/8	-	22		ECO-23		BEO-22
1 7/16	-	23		ECO-23		BEO-23
-	35	207		ECO-23		BEO-22
1 1/2	-	24	ECC-24	ECO-24	BEC-24	BEO-24
-	40	208				
1 11/16	-	27	ECC-27	ECO-27	BEC-27	BEO-27
1 3/4	-	28		N/A		BEO-28
-	45	209		N/A		BEO-28
1 15/16	-	31	ECC-31	ECO-31	BEC-31	BEO-31
2	-	32R		N/A		
-	50	210		ECO-31		
2	-	32	ECC-35	ECO-35	BEC-35	BEO-32
2 3/16	-	211				BEO-35
-	55	35				BEO-35
2 3/8	-	38	ECC-39	ECO-39	BEC-39	BEO-39
2 7/16	-	39				
-	60	212				

Notes: 1. Bolt on caps for mounted ball bearings are for flange housing designs only. Caps fit on housings that have been modified with the appropriate bolt pattern as defined by the prefix "B" in the part number. Example: Sealmaster PN Gold CRBFTS-PN24, Sealmaster Gold BSFT-24
 2. Ends caps may reduce bearing misalignment capability.



Backside Shield

Backside shield gaskets are mounted between the bearing and the equipment frame to reduce moisture runoff. Backside shields are available for two and four bolt flange mounted ball bearings.

Backside shields are made of nitrile rubber gaskets to reduce bearing moisture contact mated to a 304 stainless steel plate for improved assembly strength, with drain slots to reduce moisture buildup against the back of the bearing housing.

Bore Size		Unit Size	2 Bolt Flange	4 Bolt Flange
inch	mm			
3/4	-	12	2BSS-12	4BSS-12
-	20	204		
1	-	16	2BSS-16	4BSS-16
-	25	205		
1 3/16	-	19	2BSS-19	4BSS-19
-	-	20R	2BSS-20R	4BSS-20R
-	30	206	2BSS-19	4BSS-19
1 1/4	-	20	2BSS-20	4BSS-20
1 3/8	-	22	2BSS-22	4BSS-22
-	35	207	2BSS-22	4BSS-22
1 7/16	-	23	2BSS-23	4BSS-23
1 1/2	-	24	2BSS-24	4BSS-24
-	40	-	2BSS-208	4BSS-208
1 11/16	-	27	2BSS-27	4BSS-27
-	45	-	N/A	N/A
1 15/16	-	31	2BSS-31	4BSS-31
-	50	210		
2	-	32	N/A	4BSS-32
2 3/16	-	35	2BSS-35	4BSS-35
-	55	211	2BSS-35	4BSS-35
2 3/8	-	38	2BSS-38	4BSS-38
2 7/16	-	39	N/A	4BSS-39
-	60	212	2BSS-38	4BSS-38

Sealmaster GoldPlex®-HP Grease

Formulated by Sealmaster engineers in conjunction with leading lubrication experts, GoldPlex-HP high performance mounted bearing grease is specifically designed to help maximize the operating performance of Sealmaster brand ball and roller bearings. This superior lubricant is formulated with a highly compatible lithium complex thickener and specially processed base oil. A finely tuned additive package further improves performance by providing high film strength, extreme pressure (EP), and anti-wear properties.

Sealmaster GoldPlex-HP provides effective lubrication over a wide range of temperatures with a low temperature performance of -40°F (-40°C). Test results show that GoldPlex-HP outperforms standard bearing greases in oxidation prevention and load carrying capabilities, which contribute to longer bearing life.

This lubricant's performance advantages include:

- Superior corrosion resistance
- Wide operating temperature range (-40°F to 350°F)
- Significantly lowers bearing running temperature
- Increased EP protection
- Lengthens lubrication cycles in most applications
- Excellent consistency

Availability

GoldPlex HP 14 oz.
GoldPlex HP 35 lb Pail
GoldPlex HP 120 lb Keg
GoldPlex HP 400 lb Drum

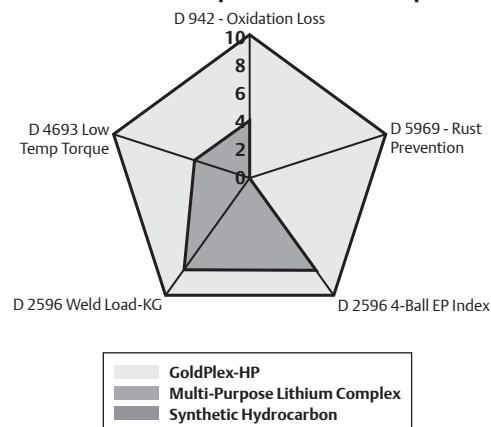
GoldPlex-HP sets a new standard for extreme pressure protection, long life and dependable performance.

Product Specifications

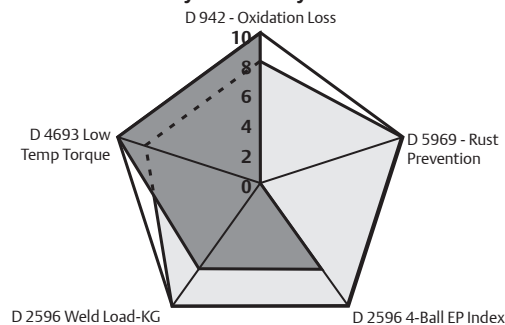
Thickener Type	Lithium Complex
Texture	Smooth
Color	Gold
60-Stroke Penetration, ASTM D 217, 77F	280-300
Droppino Point, ASTM D 2265, F (C)	500 (260)
Oxidation Stability, ASTM D 942, Psi Drop/100	5
Rust and Corrosion Protection, ASTM D 1743	Pass
Modified with 5% Synthetic Seawater	Pass
Water Washout, ASTM D 1264, 175F, %	5
Timken* OK Load, ASTM D 2509	50
4-Ball EP, ASTM D 2596 Weld Pt. kg	250
4-Ball Wear, ASTM D 2266, Scar Dia. Mm, 40 kg	0.60
Oil Separation, ASTM D 1742, Mass %	10
Base Oil Viscosity SUS @ 100F	575-675
Base Oil Viscosity cSt @ 100C	12.2
Base Oil Viscosity cSt @ 40C	115
NLGI #	2
Operating Temperature Range	-40°F to 350°F



GoldPlex-HP vs. Multi-Purpose Lithium Complex Grease**



GoldPlex-HP vs. Synthetic Hydrocarbon Grease**



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Sealmaster GoldPlex® -FG Food Grade Grease

GoldPlex-FG food grade, mounted bearing grease is suitable for mounted bearing lubrication where incidental contact with food products may occur or any applications where clean, routine lubrication is required.

This lubricant's performance advantages include:

- Superior corrosion resistance
- Excellent water washout properties
- Compatible with major thickeners
 - Aluminum Complex
 - Calcium Complex
 - Polyurea
- USDA H1 category approved
- Superior dropping point 572°F (300°C)
- Nonstaining and nontoxic

All Sealmaster PN Gold and RPB-CR bearings are factory filled with GoldPlex-FG lubricant.

Availability

GoldPlex FG 14 oz.
GoldPlex FG 35 lb Pail
GoldPlex FG 120 lb Keg

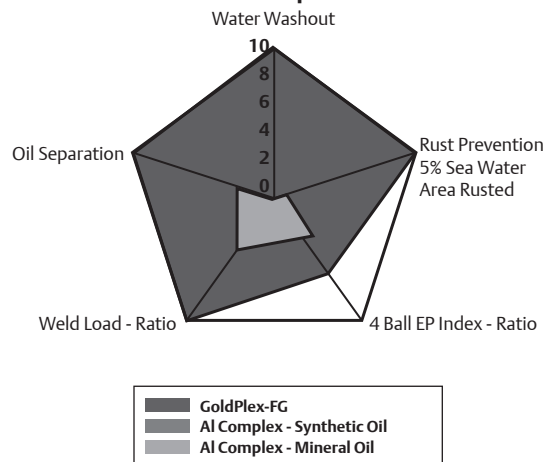
GoldPlex-FG: Indicates food grade mounted bearing grease for use in a wide variety of bearing applications in the food and beverage industries.

Product Specifications

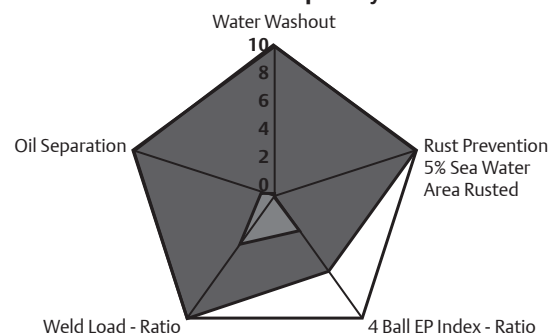
Thickener Type	Calcium Sulfonate
Texture	Smooth
Color	White
60-Stroke Penetration, ASTM D 217, 77F	265-295
Dropping Point, ASTM D 2265, F (C)	572 (300)
Oxidation Stability, ASTM D 942, Psi Drop/100	1
Rust and Corrosion Protection, ASTM D 1743	Pass
Modified with 5% Synthetic Seawater	Pass
Water Washout, ASTM D 1264, 175F, %	2.75
Timken* OK Load, ASTM D 2509	65
4-Ball EP, ASTM D 2596 Weld Pt. kg	620
4-Ball Wear, ASTM D 2266, Scar Dia. Mm, 40 kg	0.45
Oil Separation, ASTM D 1742, Mass %	0.2
Base Oil Viscosity SUS @ 100F	523
Base Oil Viscosity cSt @ 100C	10.5
Base Oil Viscosity cSt @ 40C	100
NLGI #	2
Operating Temperature Range	-40°F to 350°F



GoldPlex-FG vs. Al Complex Mineral Oil **







GoldPlex-FG vs. Al Complex Synthetic **



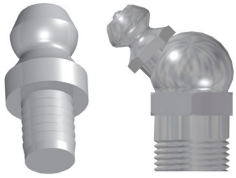
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Sealmaster GoldPlex-HP Grease continued

Protective Grease Fitting Caps

Cap Color	Description	Part No.
 Gold	Indicates that the bearing is factory filled with Sealmaster GoldPlex-HP Grease	759376
 White	Indicates that the bearing is factory filled with Sealmaster GoldPlex-FG Grease	759646
 Red	Indicates that the bearing is factory filled with High Temperature Grease	759647
 Black	Indicates that the bearing is factory filled with a Non-Standard Grease	759648


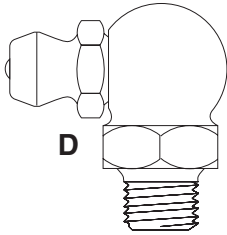
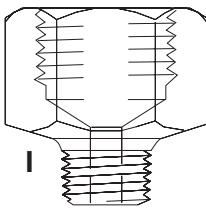
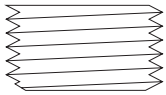
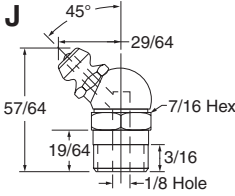
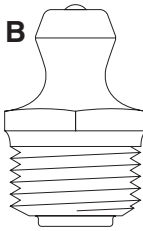
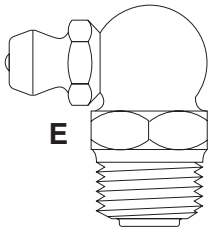
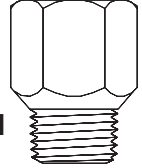
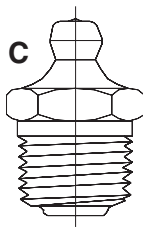
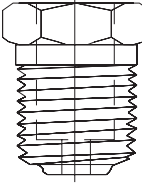
Note: The top of the grease fitting cap provides space to mark installation date.



Lubrication Fittings

Lubrication fittings provide a means quickly connecting a hose or grease gun to a bearing for relubrication. They should be permanently installed onto the bearing and can be threaded or driven into a lubrication or oil hole. It is important to select the correct lubrication fitting for the bearing and application. On Sealmaster ball bearings the lubrication fitting also functions as a stop for the lock pin. Caution should be taken when replacing the fitting on these bearings.

Accessories

1/4-28 Male	 <p>A</p> <p>1641B*</p>	 <p>D</p> <p>1911B*</p>	 <p>1/8 NPT Female</p> <p>I</p> <p>51942*</p>	 <p>G</p> <p>1/4-28 Plug</p>  <p>J</p> <p>45°</p> <p>29/64</p> <p>57/64</p> <p>19/64</p> <p>7/16 Hex</p> <p>3/16</p> <p>1/8 Hole</p>
1/8 NPT Male	 <p>B</p> <p>1640B*</p>	 <p>E</p> <p>1613B*</p>	 <p>1/8 NPT Female</p> <p>H</p> <p>43761*</p>	
1/4 NPT Male	 <p>C</p> <p>1627B*</p>		 <p>1/8 NPT Female</p> <p>F</p> <p>45120*</p>	
Common Suffix	N/A	CSK	<p>CTJ</p> <p>Includes plastic plug not shown</p>	

*Part Numbers listed below picture drawings are Alemite part numbers. Alemite is a registered trademark of Alemite LLC. This trade name, trademark and/or registered trademark is property of their respective owner and is not owned or controlled by Regal Power Transmission Solutions

Lubrication Fittings continued

Lubrication Fitting Chart Mounted Ball Bearings

Brand	Bearing Unit Description	Bore Size in Inches								
		1/2 - 1 1/8	1 3/16 - 1 1/4R or S	1 1/4 - 1 5/8	1 11/16 - 1 3/4	1 7/8 - 2 1/8	2 3/16	2 1/4 - 2 7/8	2 15/16	3+
Sealmaster	FB, FBMH	A	A	A	-	B	-	-	-	-
	MFC	A	A	A	B	B	B	B	C	C
	MFP	-	-	-	-	B	B	B	C	C
	MP, EMP, MPD	A	A	A	B	B	B	B	C	C
	MSC	A	A	A	A	A	B	B	B	B
	MSF, EMSF	A	A	A	B	B	B	B	C	C
	MSFPD	-	-	-	-	B	B	B	C	C
	MSFT	A	A	A	B	B	-	-	-	-
	MSPD	-	-	-	B	B	B	B	C	C
	MST	D	D	D	E	E	E	E	E+F	E+F
	NP, ENP, NPMH	A	A	A	A	B	B	B	-	-
	NPD	A	A	A	A	B	B	B	-	-
	NPL	A	A	A	A	B	B	B	-	-
	SC	A	A	A	A	A	A	B	B	-
	SCHB	G	G	G	H	H	H	H	H	F
	SEHB	A	A	A	B	B	B	B	B	C
	SF, ESF, SFMH	A	A	A	A	B	B	B	B	-
	SFC	A	A	A	A	B	B	B	B	C
	SFT, ESFT, SFTMH	A	A	A	A	B	B	-	-	-
	SP	A	A	A	A	B	B	B	B	C
SPD	A	A	A	A	B	B	B	B	C	
SPM	-	A	A	B	B	B	B	-	-	
ST, STMH	D	D	D	D	E	E	E	E	E	
TB, TBMH	A	A	A	A	B	-	-	-	-	
TFT	A	A	A	-	-	-	-	-	-	
Browning	VF2B-200	A	A	B	B	B	B	-	-	-
	VF2B-300	A	B	B	B	B	-	-	-	-
	VF2E-100, 200	A	A	B	B	B	B	B	B	-
	VF2E-100M	A	A	A	-	-	-	-	-	-
	VF2S-100, 200	A	A	B	B	B	B	B	B	-
	VF2S-100M	A	A	A	-	-	-	-	-	-
	VF2S-300	A	B	B	B	B	-	-	-	-
	VF3E-100M	A	A	A	-	-	-	-	-	-
	VF3S-100M	A	A	A	-	-	-	-	-	-
	VF4B-200	A	A	B	B	B	B	B	-	-
	VF4B-300	A	B	B	B	B	B	-	-	-
	VF4E-100, 200	A	A	B	B	B	B	B	B	-
	VF4S-100, 200	A	A	B	B	B	B	B	B	-
	VFBS-200	A	A	B	-	B	-	-	-	-
	VFBB-200	A	A	B	-	B	-	-	-	-
	VF4S-300	A	B	B	B	B	B	B	B	B
	VFCB-200	A	A	A	A	A	A	B	-	-
	VFCB-300	A	A	A	A	A	B	-	-	-
	VFCS-200	A	A	A	A	A	A	B	-	-
	VFCS-300	A	A	A	A	A	B	B	B	B
	VPB-200	A	A	B	B	B	B	B	-	-
	VPB-300	A	B	B	B	B	B	-	-	-
	VPE-100, 200	A	A	B	B	B	B	B	B	-
	VPE-100M	A	A	A	-	-	-	-	-	-
	VPLB-200	A	A	B	B	B	B	B	-	-
	VPLE-100, 200	A	A	B	B	B	B	B	B	-
	VPLS-100, 200	A	A	B	B	B	B	B	B	-
	VPS-100, 200	A	A	B	B	B	B	B	B	-
	VPS-100M	A	A	A	-	-	-	-	-	-
	VPS-300	A	B	B	B	B	B	B	B	B
	VTBE-100	A	A	B	B	B	-	-	-	-
	VTBE-200	A	A	B	B	B	B	B	-	-
VTBS-100, 200	A	A	B	B	B	-	-	-	-	
VTWE-100, 200	D	D	E	E	E	E	E	-	-	
VTWS-100, 200	D	D	E	E	E	E	E	-	-	
VTWS-300	D	E	E	E	E	E	E	E	E	

Accessories

Lubrication Fittings continued

Lubrication Fitting Chart Mounted Roller Bearings

Brand	Series	All Shaft Sizes
Browning	FBE920, PBE920	B
	TUE920	E
Sealmaster	DRPB	B
	RPB	B
	RPBXT	B
	RFB	B
	RFP	B
	SPB	B
	USBF	J
	USFB, USFBE USF3B	B
	USFC	A
	USFCE, USRB USRBE	B
	USTU	E

Lubrication Fitting Chart Cam Followers

CF / CFH Inch Camrol			
From Sizes	To Sizes	Lube Fitting Size	Part No.
1/2"	11/16"	1/8" Drive	3019*
3/4"	2 3/4"	3/16" Drive	1728B*
3"	4"	1/4" Drive	1743B*
5"	10"	1/4" NPT	1627B*

Lubrication Fitting Chart Sealmaster Rod Ends

Bore Size	Fitting Number	Thread Size	Hex size
1/4" - 7/16"	#3018 (no ball check)	#6-40 UNF-2A	1/4"
1/2" - 1"	#3016 (no ball check)	#10-32 UNF-2A	1/4"

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Oil Hole Plugs

Oil Hole Plugs



Oil hole plugs are used to block lubrication holes when the port is not required for relubrication the bearing. These plugs help retain the grease or oil, and also help prevent contamination from entering the bearing. All McGill Cam Followers are supplied with oil hole plugs for the number of lubrication holes present.

INCH	Description	Part ID	Pack Qty	inch		Type
				Basic Diameter	Basic Length	
	CF-1/2 Brass Plug	9712160050	100 pc	.131	.095	Solid
	CF-3/4 Solid Plug	9712160075	100 pc	.194	.125	Solid
	CF-3 Steel Plug	9712160300	100 pc	.255	.25 to .31	Hollow

