

HOW TO ORDER

**E** HOW TO ORDER

**AP™ Bearing Ordering Procedure ..... 51**

**Basic AP Bearing Assembly Numbers - Method 1..... 53**

**Supplemental and Special**

**Assembly Numbers - Method 2 ..... 55**

HOW TO ORDER

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HOW TO ORDER

HOW TO ORDER

AP BEARING ORDERING PROCEDURE

Bearing assemblies may be ordered by two different methods.

Method 1

Purchase one of the two basic bearing mounting arrangements shown on page 53, plus the required auxiliary parts shown on page 54.

Method 2

Purchase an entire assembly or kit using the overall bearing assembly number as shown in the “Supplemental and Special Assembly Number” lists on pages 55 to 81. This overall assembly number includes all needed auxiliary parts.

Adapters are not part of the bearing assembly and should be ordered separately giving:

Quantity - bearing class - part number (page 55).

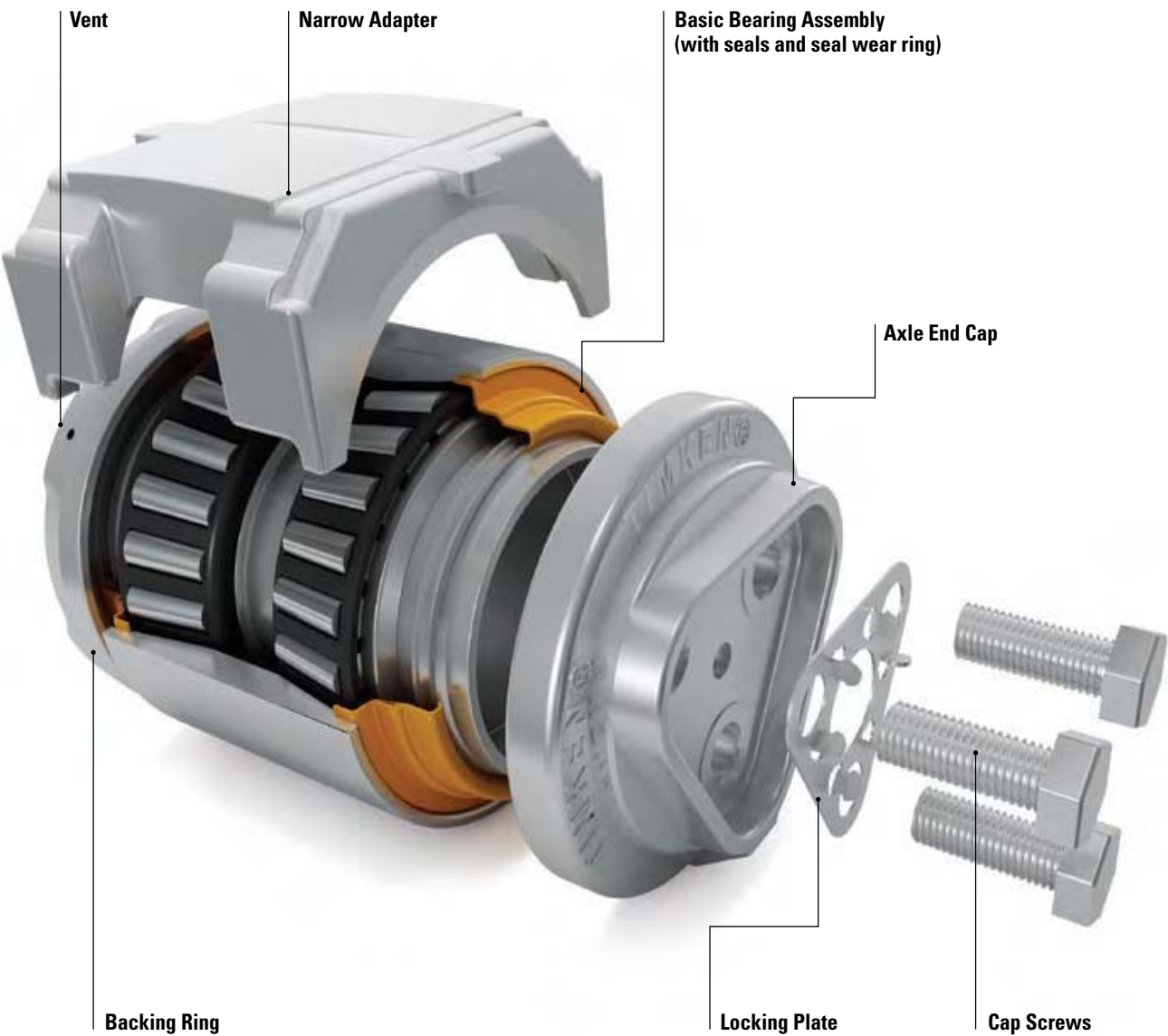


Fig. 30 3D illustration of AP bearing

## HOW TO ORDER

### Basic AP Bearing Ordering Procedure

To facilitate order entry, identify the bearing assembly and required auxiliary parts by specifying the following details from the tables shown on pages 53 and 54. Also specify the quantity of each sub-assembly required to make up the assembly to suit your application. See page 13 for a detailed explanation of assembly numbers.

### An AP bearing assembly consists of:

- Basic AP assembly, does not include end cap (page 53)
- End cap – one per bearing (page 54)
- Backing spacer – one per bearing (page 54) with (choose one per bearing):
  - pipe plug
  - or lubricant fitting
  - or vent fitting

### EXAMPLES

#### 1. A Class D assembly with shroud and pressed backing ring includes the following part numbers to order:

- HM127446 90012 AP bearing assembly with shroud (page 53)
- K85521 90011 axle end cap assembly - one per bearing (page 54)

#### 2. A Class D assembly with auxiliary parts includes the following part numbers to order:

- HM127446 90048 basic AP bearing assembly (page 53)
- K85521 90011 axle end cap assembly - one per bearing (page 54)
- K120178 backing spacer - one per bearing (page 54)
- K83093 vent fitting - one per bearing (page 54)

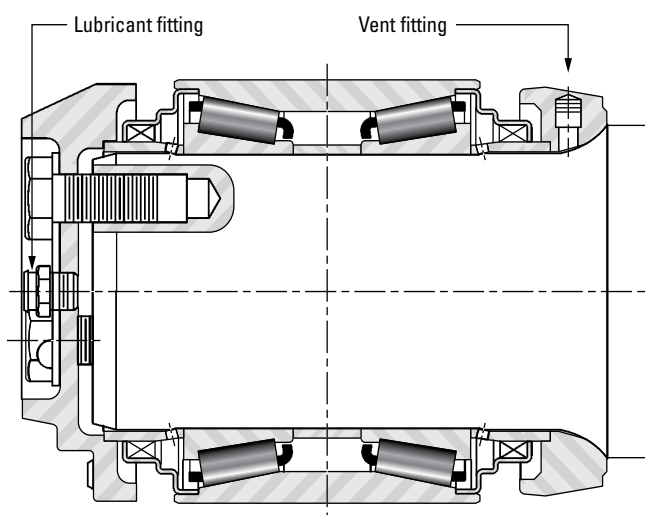


Fig. 31 Cross section view of AP bearing with shroud

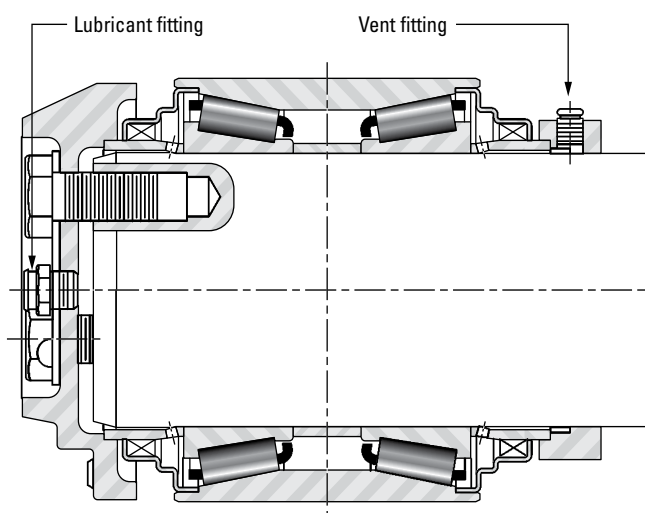
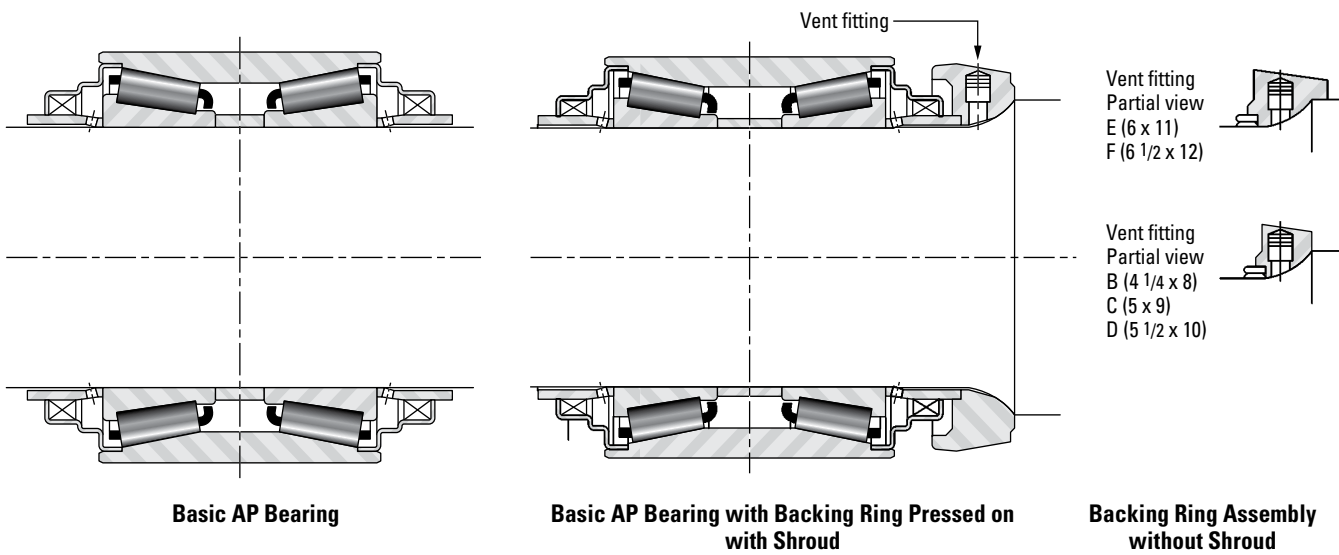


Fig. 32 Cross section view of AP bearing

HOW TO ORDER

METHOD 1

Basic Bearing Assembly Numbers



NOTE: Specify backing ring with or without shroud. Backing rings without shroud have reduced O.D. to facilitate assembly in some housing designs. Backing rings with shroud provide added seal protection where required.

AP Bearing Assembly Section

Determine basic AP bearing assembly required and specify from the following table (include CONE NUMBER as shown with bearing Class):

Example: If a Class D bearing with a backing ring with shroud is required, specify: AP bearing Class D HM127446-90012.

Class - Cone Number	Basic AP Bearing Assembly Number	Basic AP Bearing with Backing Ring Pressed on (Assembly Number)	
		Backing Ring With Shroud	Backing Ring Without Shroud
B (4 3/8 x 8) HM120848	90014	90012	90124
C (5 x 9) HM124646	90056	90014	-
D (5 3/8 x 10) HM127446	90048	90012	90318
E (6 x 11) HM129848	90054	90012	90308
F (6 3/8 x 12) HM133444	90076	90012	90424
G (7 x 12) HM136948	-	90320	-
G (7 x 14) HM136948	90226	90228	-
GG (7) H337846	90248	90262	-
K (8) M241547	90028	-	-

NOTE: Cup O.D. tolerances of 0.025 mm (.0010 in.), reduced width assemblies, assemblies with provision for relubrication through the center of the cup, and assemblies without seal parts are available in some bearing classes. Consult your Timken representative for availability.

HOW TO ORDER

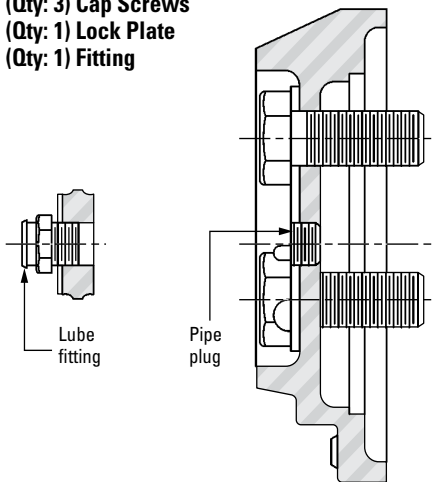
METHOD 1

Auxiliary Parts

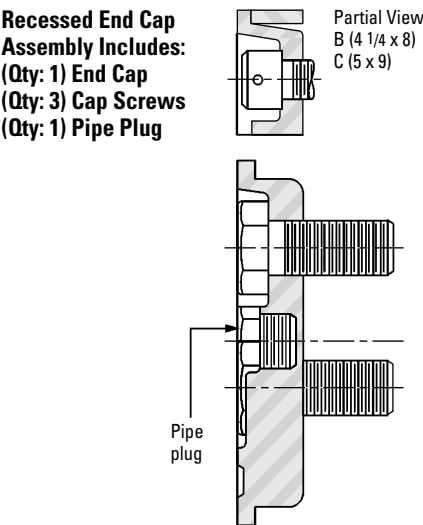
Auxiliary parts may be added to basic AP bearings, as required.

NOTE: Provide for relubrication on one side of bearing with vent at opposite side. If an auxiliary part is not used, these provisions should be made in parts adjacent to the bearing.

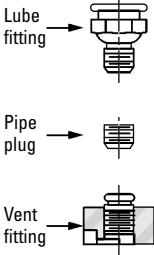
**Axle End Cap**  
**Assembly Includes:**  
(Qty: 1) End Cap  
(Qty: 3) Cap Screws  
(Qty: 1) Lock Plate  
(Qty: 1) Fitting



**Recessed End Cap**  
**Assembly Includes:**  
(Qty: 1) End Cap  
(Qty: 3) Cap Screws  
(Qty: 1) Pipe Plug



**Backing Spacer**  
**(with fitting choices)**



AP Bearing Auxiliary Parts Selection

Class	Axle End Cap Assembly			Recessed End Cap Assembly		Backing Spacer	Lube Fitting Pipe Plug Vent Fitting
	Part No	Assy No Assy No	Incl Pipe Plug Incl Lube Fitting	Part No	Assy No		Select One Per Backing Spacer
B (4 1/4 x 8)	K86877 K86877	90010 90012	Incl. Pipe Plug Incl. Lube Fitting	K399069	90010	K118891	K78880 K46462 K83093
C (5 x 9)	K86003 K86003	90010 90015	Incl. Pipe Plug Incl. Lube Fitting	K399070	90010	K120198	K78880 K46462 K83093
D (5 1/2 x 10)	K85521 K85521	90010 90011	Incl. Pipe Plug Incl. Lube Fitting	K399071	90010	K120178	K78880 K46462 K83093
E (6 x 11)	K85510 K85510	90010 90011	Incl. Pipe Plug Incl. Lube Fitting	K399072	90010	K120190	K78880 K46462 K83093
F (6 3/4 x 12)	K85517 K85517	90010 90012	Incl. Pipe Plug Incl. Lube Fitting	K399073	90010	K120160	K78880 K46462 K83093
G (7 x 12)	K95199 K95199	90010 90011	Incl. Pipe Plug Incl. Lube Fitting	K399074	90010	K118866	K78880 K46462 K83093
G (7 x 14)	K412057 K412057	90010 90011	Incl. Pipe Plug Incl. Lube Fitting	K399074	90010	K118866	K78880 K46462 K83093
GG (7)	—	— 90010	Incl. Pipe Plug Incl. Lube Fitting	K399074	90010	K118866	K78880 K46462 K83093
K (8)		N.A.		K504075	90010	N.A.	

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Typical AP Bearing Mounting Arrangements

The following illustrations on pages 58 to 81 show typical combinations of basic AP bearings and auxiliary parts. See page 13 for a detailed explanation of assembly numbers. When these overall assemblies are used with the narrow adapter shown in Fig. 33, bearing mounting kits are formed.

When making up a mounting arrangement, a provision for relubrication should be made on one side of the bearing, with a vent on the opposite side. If an auxiliary part is not used, these provisions should be made in the parts adjacent the bearing.

Also, when designing an AP bearing into an application, the bearing must always be securely clamped through the cones. Depending on the mounting arrangement used, this may require additional parts, such as spacers, which are not furnished by Timken.

Class	Narrow Adapter
B	K86888
C	K85581
D	K85530
E	K85073
F	K85524
G (7 x 12)	K83138
G (7 x 14)	K83138
GG (7)	—
K	K522803

Table 5 Adapter Part Numbers

Typical Application Parts

Narrow Adapter

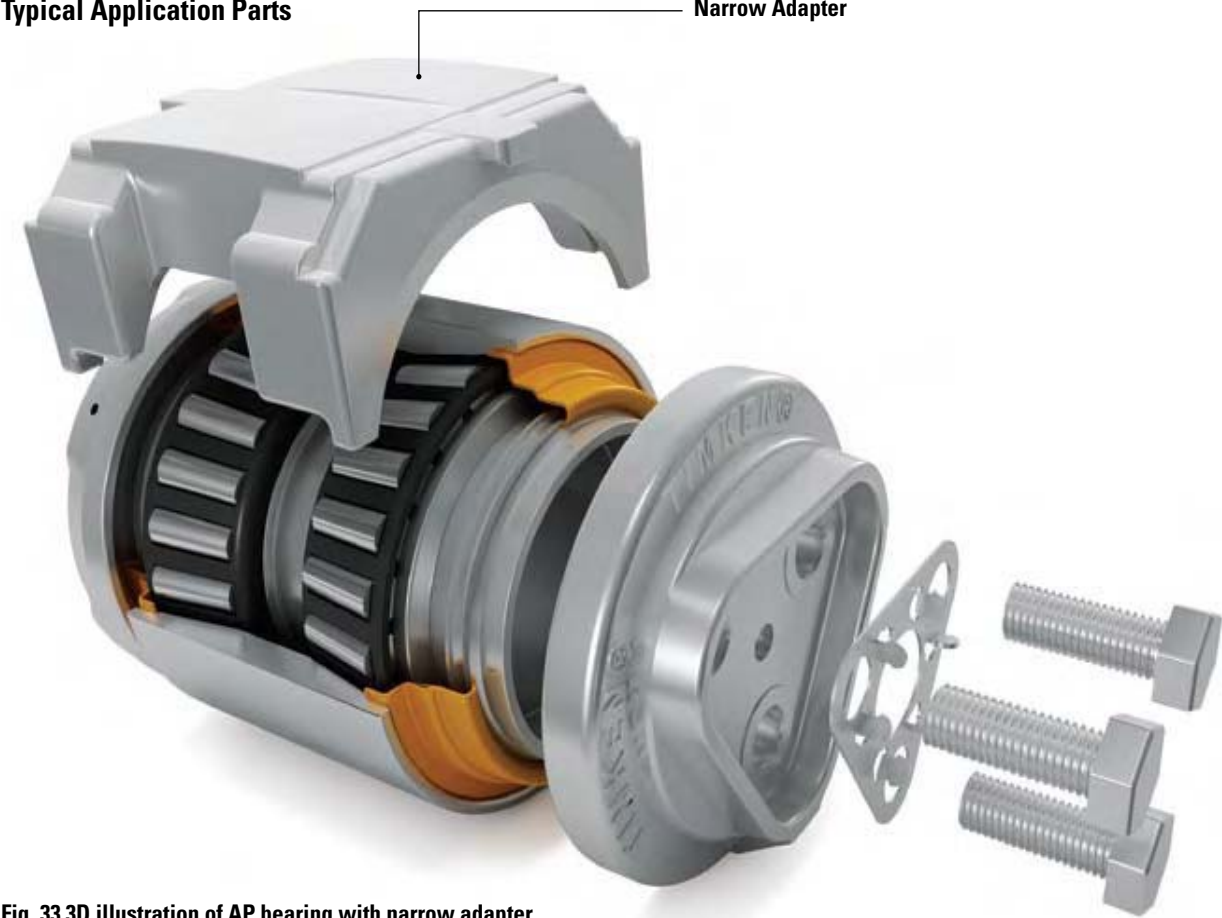


Fig. 33 3D illustration of AP bearing with narrow adapter

HOW TO ORDER .....

METHOD 2

Mounting arrangements are shown in sequential order. See following pages for ordering information.

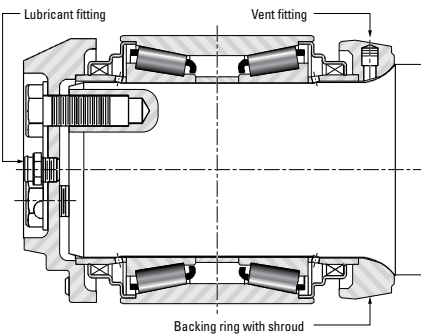


Fig. 34 Mounting Arrangement 1

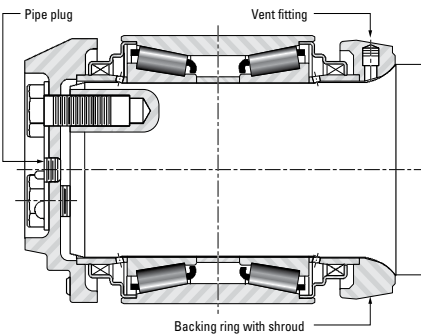


Fig. 35 Mounting Arrangement 1-A

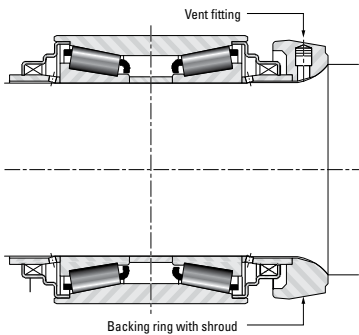


Fig. 36 Mounting Arrangement 2

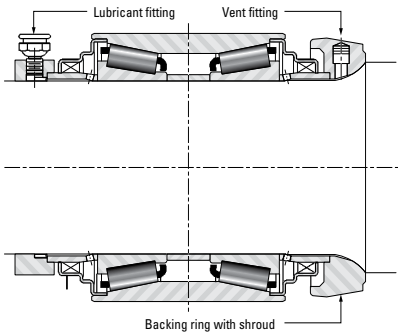


Fig. 37 Mounting Arrangement 2-A

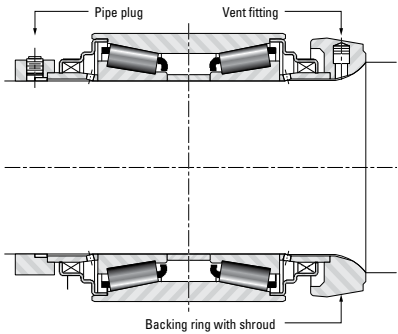


Fig. 38 Mounting Arrangement 2-B

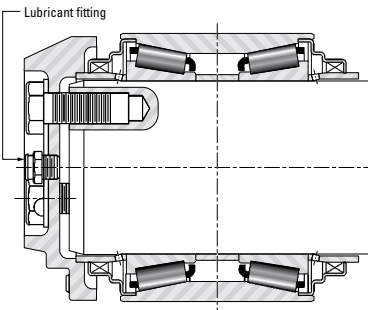


Fig. 39 Mounting Arrangement 3

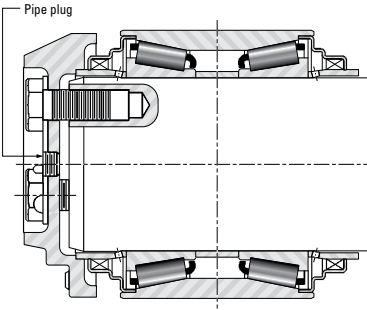


Fig. 40 Mounting Arrangement 3-A

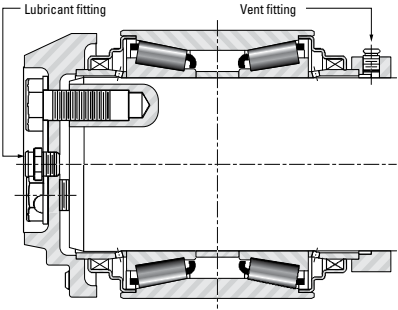


Fig. 41 Mounting Arrangement 3-B

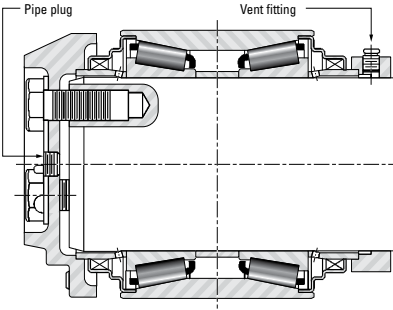


Fig. 42 Mounting Arrangement 3-C



HOW TO ORDER

METHOD 2

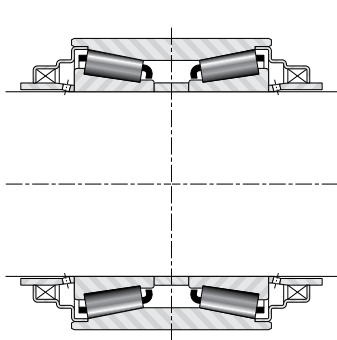


Fig. 43 Mounting Arrangement 4

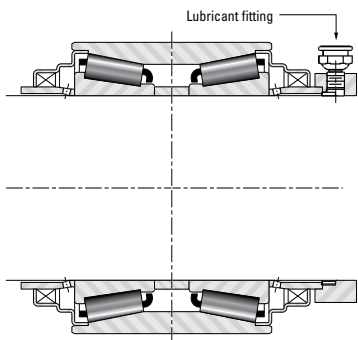


Fig. 44 Mounting Arrangement 5

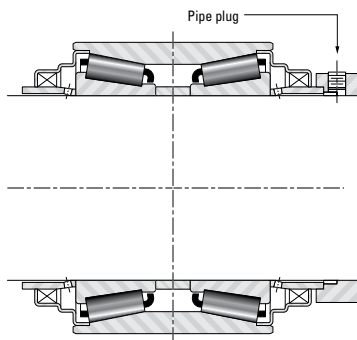


Fig. 45 Mounting Arrangement 5-A

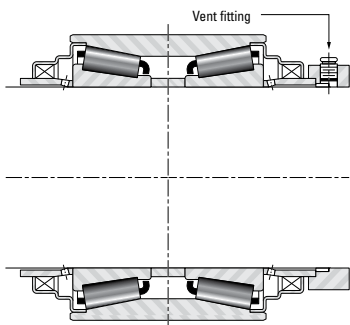


Fig. 46 Mounting Arrangement 5-B

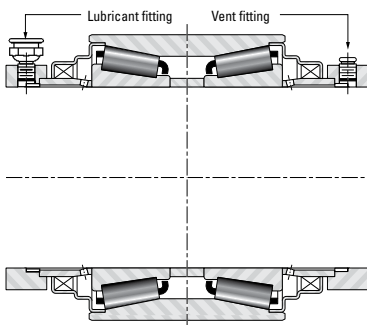


Fig. 47 Mounting Arrangement 5-C

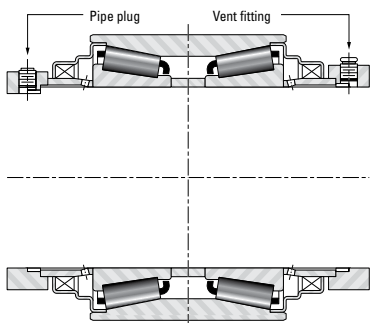


Fig. 48 Mounting Arrangement 5-D

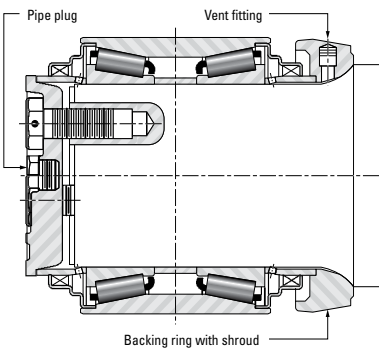


Fig. 49 Mounting Arrangement 6

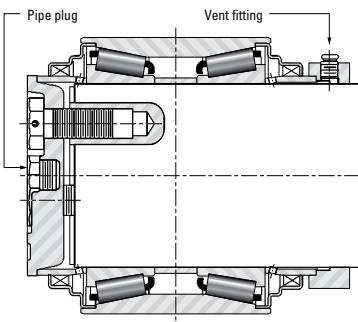


Fig. 50 Mounting Arrangement 6-A

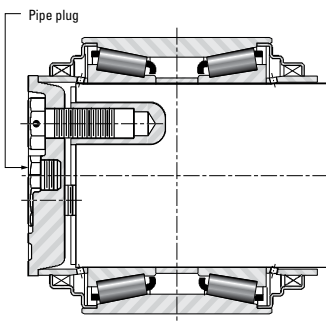


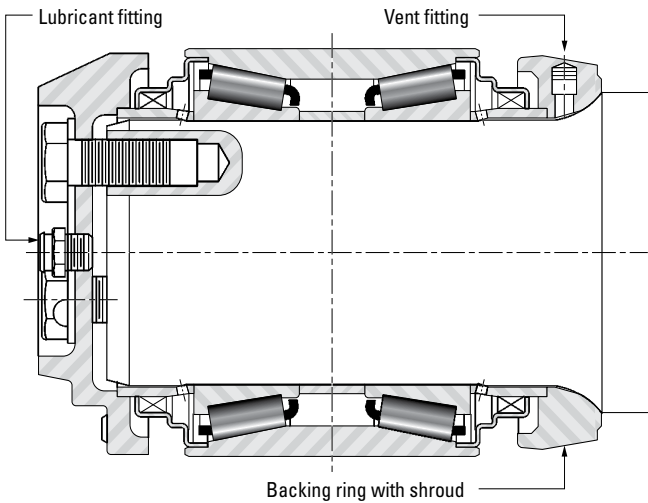
Fig. 51 Mounting Arrangement 6B

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 1



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 - 90023	HM120848	Axle end cap K86877-90012 Backing ring K86874-90010
C	HM124646 - 90047	HM124646	Axle end cap K86003-90015 Backing ring K85588-90010
D	HM127446 - 90011	HM127446 - 90211	Axle end cap K85521-90011 Backing ring K85525-90010
E	HM129848 - 90011	HM129848 - 90125	Axle end cap K85510-90011 Backing ring K85095-90010
F	HM133444 - 90015	HM133444 - 90211	Axle end cap K85517-90012 Backing ring K85516-90010
G (7 x 12)	HM136948 - 90359	HM136948 - 90355	Axle end cap K95199-90011 Backing ring K147766-90010
G (7 x 14)	HM136948 - 90251	HM136948	Axle end cap K412057-90011 Backing ring K95200-90010
GG (7)	H337846	H337846	Axle end cap K95199 Backing ring K147766-90010
K	M241547	M241547	Axle end cap Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

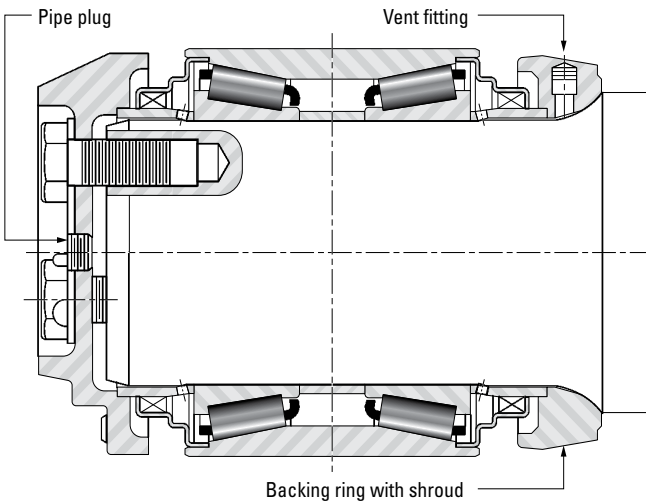
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 1A



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90011	HM120848 - 90059	Axle end cap K86877-90010 Backing ring K86874-90010
C	HM124646 -90013	HM124646	Axle end cap K86003-90010 Backing ring K85588-90010
D	HM127446 -90013	HM127446	Axle end cap K85521-90010 Backing ring K85525-90010
E	HM129848 -90013	HM129848	Axle end cap K85510-90010 Backing ring K85095-90010
F	HM133444 -90011	HM133444	Axle end cap K85517-90010 Backing ring K85516-90010
G (7 x 12)	HM136948 -90327	HM136948	Axle end cap K95199-90010 Backing ring K147766-90010
G (7 x 14)	HM136948 -90243	HM136948	Axle end cap K412057-90010 Backing ring K95200-90010
GG (7)	H337846	H337846	Axle end cap K95199 Backing ring K147766-90010
K	M241547	M241547	Axle end cap Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

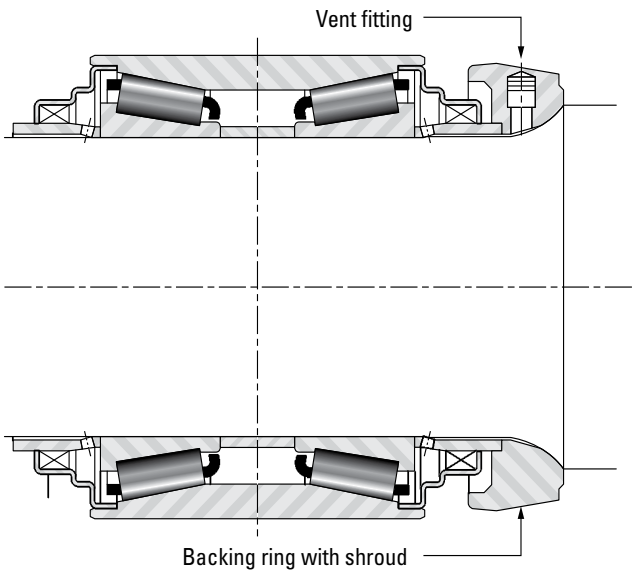
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 2



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90012	HM120848 - 90060	Backing ring K86874-90010
C	HM124646 -90014	HM124646 - 90180	Backing ring K85588-90010
D	HM127446 -90012	HM127446 - 90098	Backing ring K85525-90010
E	HM129848 -90012	HM129848 - 90114	Backing ring K85095-90010
F	HM133444 -90012	HM133444 - 90212	Backing ring K85516-90010
G (7 x 12)	HM136948 -90320	HM136948 - 90334	Backing ring K147766-90010
G (7 x 14)	HM136948 -90228	HM136948 - 90254	Backing ring K95200-90010
GG (7)	H337846 -90262	H337846 - 90270	Backing ring K147766-90010
K	M241547	M241547	Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

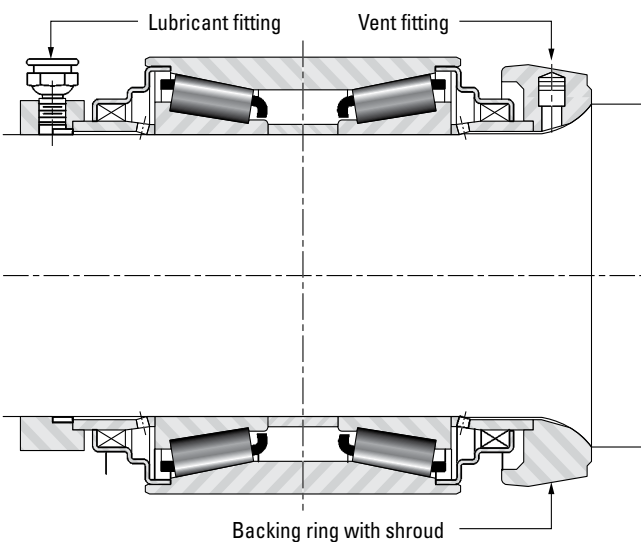
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 2A



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90080	HM120848	Backing spacer K118891 Lube fitting K78880 Backing ring K86874-90010
C	HM124646 -90086	HM124646 - 90098	Backing spacer K120198 Lube fitting K78880 Backing ring K85588-90010
D	HM127446 -90120	HM127446	Backing spacer K120178 Lube fitting K78880 Backing ring K85525-90010
E	HM129848 -90142	HM129848 - 90212	Backing spacer K120190 Lube fitting K78880 Backing ring K85095-90010
F	HM133444 -90124	HM133444	Backing spacer K120160 Lube fitting K78880 Backing ring K85516-90010
G (7 x 12)	HM136948 -90124	HM136948 - 90354	Backing spacer K118866 Lube fitting K78880 Backing ring K147766-90010
G (7 x 14)	HM136948 -90170	—	Backing spacer K118866 Lube fitting K78880 Backing ring K95200-90010
GG (7)	H337846	H337846	Backing spacer K118866 Lube fitting K78880 Backing ring K147766-90010
K	M241547	M241547	Backing spacer Lube fitting Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

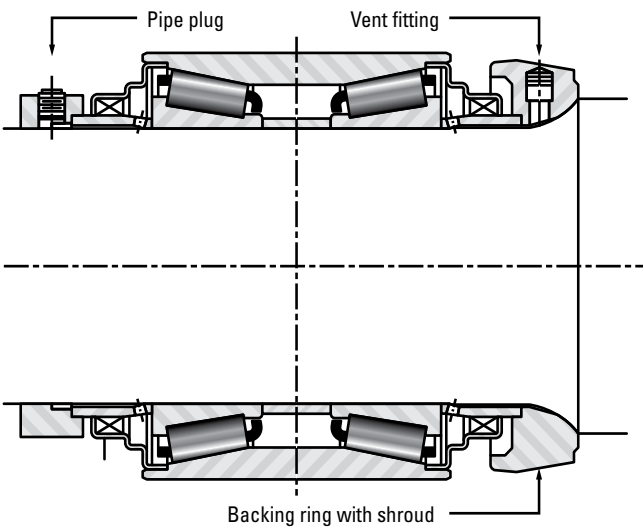
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 2B



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90086	HM120848	Backing spacer K118891 Pipe plug K46462 Backing ring K86874-90010
C	HM124646 -90078	HM124646	Backing spacer K120198 Pipe plug K46462 Backing ring K85588-90010
D	HM127446 -90118	HM127446	Backing spacer K120178 Pipe plug K46462 Backing ring K85525-90010
E	HM129848 -90126	HM129848	Backing spacer K120190 Pipe plug K46462 Backing ring K85095-90010
F	HM133444 -90122	HM133444	Backing spacer K120160 Pipe plug K46462 Backing ring K85516-90010
G (7 x 12)	HM136948 -90350	HM136948	Backing spacer K118866 Pipe plug K46462 Backing ring K147766-90010
G (7 x 14)	HM136948 -90266	HM136948	Backing spacer K118866 Pipe plug K46462 Backing ring K95200-90010
GG (7)	H337846	H337846	Backing spacer K118866 Pipe plug K46462 Backing ring K147766-90010
K	M241547	M241547	Backing spacer Pipe plug Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

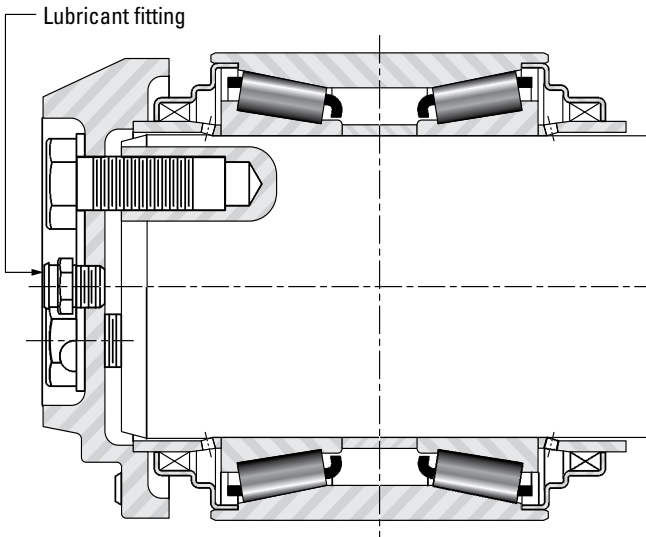
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 3



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90091	HM120848 - 90097	Axle end cap K86877-90012
C	HM124646 -90085	HM124646	Axle end cap K86003-90015
D	HM127446 -90093	HM127446	Axle end cap K85521-90011
E	HM129848 -90169	HM129848 90105	Axle end cap K85510-90011
F	HM133444 -90107	HM133444 90175	Axle end cap K85517-90012
G (7 x 12)	HM136948	HM136948	Axle end cap
G (7 x 14)	HM136948 -90283	HM136948	Axle end cap K412057-90011
GG (7)	H337846	H337846	Axle end cap K9519
K	M241547	M241547	Axle end cap

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

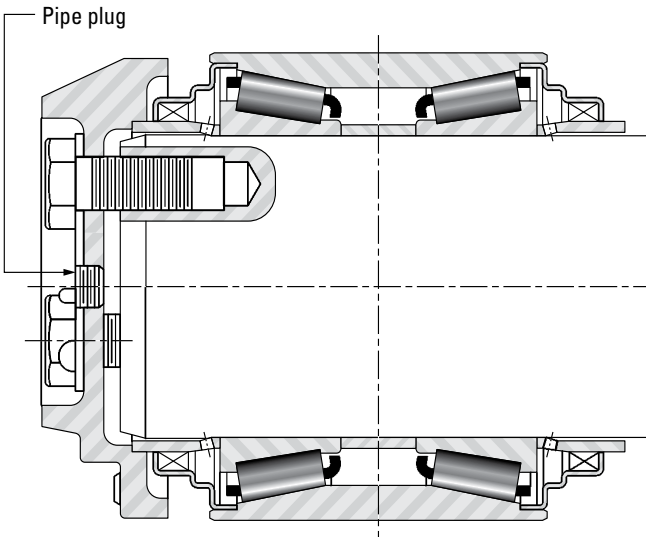
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 3A



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 - 90121	HM120848 - 90099	Axle end cap K86877-90010
C	HM124646 - 90083	HM124646	Axle end cap K86003-90010
D	HM127446	HM127446 - 90107	Axle end cap K85521-90010
E	HM129848	HM129848	Axle end cap K85510-90010
F	HM133444	HM133444 - 90141	Axle end cap K85517-90010
G (7 x 12)	HM136948	HM136948	Axle end cap
G (7 x 14)	HM136948	HM136948 - 90263	Axle end cap K412057-90010
GG (7)	H337846	H337846	Axle end cap K95199
K	M241547	M241547	Axle end cap

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

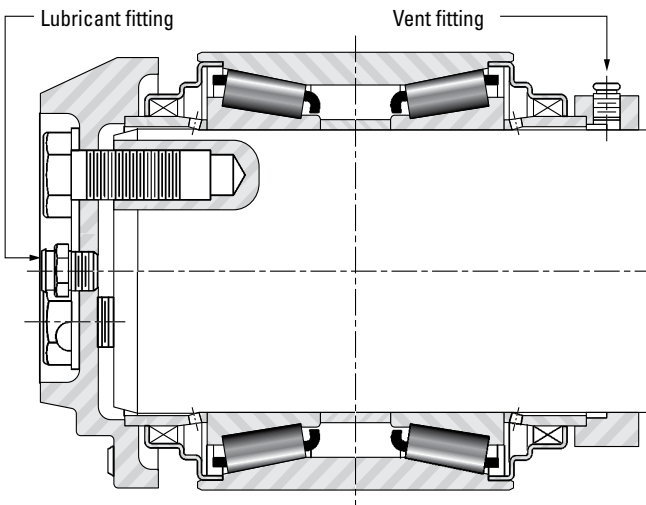


HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 3B



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90115	HM120848	Axle end cap K86877-90012 Backing spacer K118891 Vent fitting K83093
C	HM124646 -90089	HM124646 - 90185	Axle end cap K86003-90015 Backing spacer K120198 Vent fitting K83093
D	HM127446 -90167	HM127446 - 90189	Axle end cap K85521-90011 Backing spacer K120178 Vent fitting K83093
E	HM129848 -90155	HM129848	Axle end cap K85510-90011 Backing spacer K120190 Vent fitting K83093
F	HM133444 -90221	HM133444	Axle end cap K85517-90012 Backing spacer K120160 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Axle end cap Backing spacer Vent fitting
G (7 x 14)	HM136948 -90291	HM136948	Axle end cap K412057-90011 Backing spacer K118866 Vent fitting K83093
GG (7)	H337846	H337846	Axle end cap K95199 Backing spacer K118866 Vent fitting K83093
K	M241547	M241547	Axle end cap Backing spacer Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

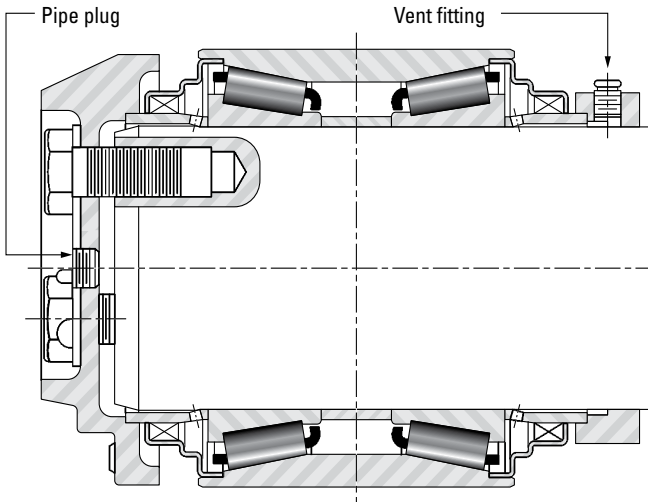
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 3C



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90083	HM120848 - 90161	Axle end cap K86877-90010 Backing spacer K118891 Vent fitting K83093
C	HM124646	HM124646	Axle end cap K86003-90010 Backing spacer K120198 Vent fitting K83093
D	HM127446	HM127446	Axle end cap K85521-90010 Backing spacer K120178 Vent fitting K83093
E	HM129848	HM129848	Axle end cap K85510-90010 Backing spacer K120190 Vent fitting K83093
F	HM133444	HM133444	Axle end cap K85517-90010 Backing spacer K120160 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Axle end cap Backing spacer Vent fitting
G (7 x 14)	HM136948	HM136948	Axle end cap K412057-90010 Backing spacer K118866 Vent fitting K83093
GG (7)	H337846	H337846	Axle end cap K95199 Backing spacer K118866 Vent fitting K83093
K	M241547	M241547	Axle end cap Backing spacer Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

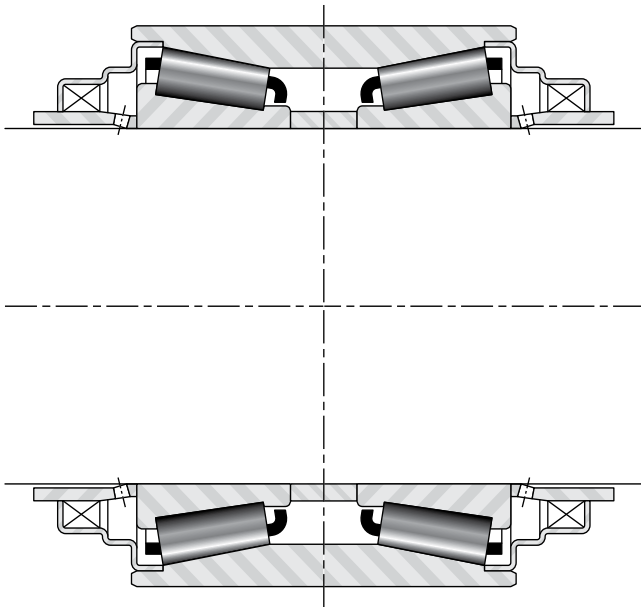
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 4



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies
B	HM120848 - 90014	HM120848 - 90078	–
C	HM124646 - 90056	HM124646 - 90068	–
D	HM127446 - 90048	HM127446 - 90106	–
E	HM129848 - 90054	HM129848 - 90104	–
F	HM133444 - 90076	HM133444 - 90128	–
G (7 x 12)	HM136948	HM136948	–
G (7 x 14)	HM136948 - 90226	HM136948 - 90256	–
GG (7)	H337846 - 90248	H337846 - 90246	–
K	M241547 - 90028	M241547 - 90050	–

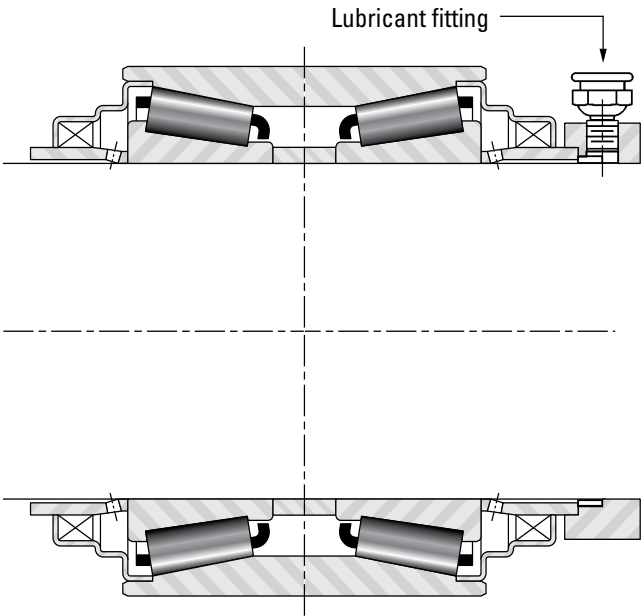
<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 5



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90074	HM120848	Backing spacer K118891 Lube fitting K78880
C	HM124646 -90108	HM124646	Backing spacer K120198 Lube fitting K78880
D	HM127446 -90168	HM127446	Backing spacer K120178 Lube fitting K78880
E	HM129848 -90154	HM129848	Backing spacer K120190 Lube fitting K78880
F	HM133444 -90184	HM133444	Backing spacer K120160 Lube fitting K78880
G (7 x 12)	HM136948	HM136948	Backing spacer Lube fitting
G (7 x 14)	HM136948 -90284	HM136948	Backing spacer K118866 Lube fitting K78880
GG (7)	H337846	H337846	Backing spacer K118866 Lube fitting K78880
K	M241547	M241547	Backing spacer Lube fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

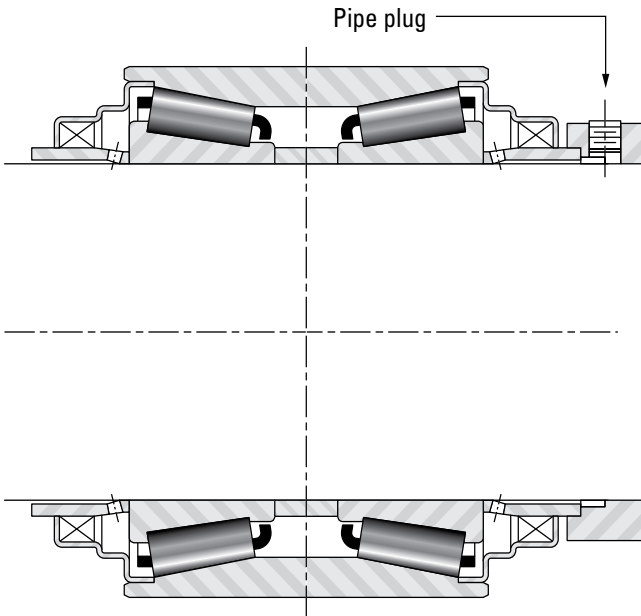
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 5A



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90088	HM120848	Backing spacer K118891 Pipe plug K46462
C	HM124646 -90084	HM124646	Backing spacer K120198 Pipe plug K46462
D	HM127446 -90114	HM127446	Backing spacer K120178 Pipe plug K46462
E	HM129848 -90120	HM129848	Backing spacer K120190 Pipe plug K46462
F	HM133444 -90126	HM133444	Backing spacer K120160 Pipe plug K46462
G (7 x 12)	HM136948	HM136948	Backing spacer Pipe plug
G (7 x 14)	HM136948 -90238	HM136948	Backing spacer K118866 Pipe plug K46462
GG (7)	H337846	H337846	Backing spacer K118866 Pipe plug K46462
K	M241547	M241547	Backing spacer Pipe plug

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

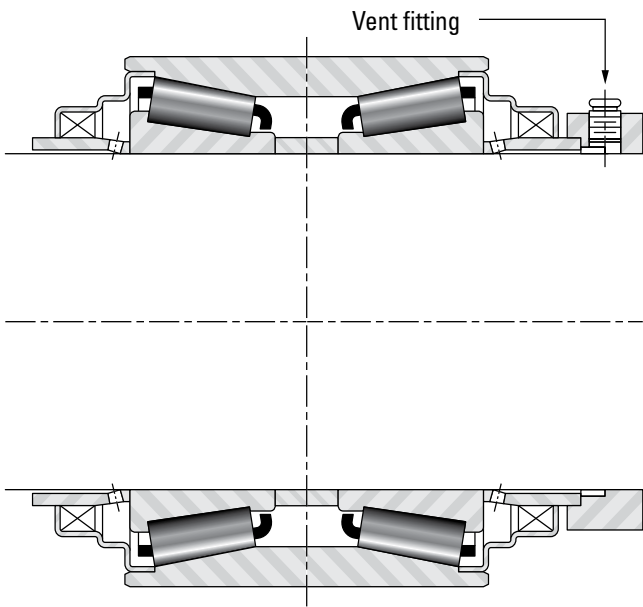
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 5B



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90082	HM120848 - 90160	Backing spacer K118891 Vent fitting K83093
C	HM124646 -90092	HM124646 - 90184	Backing spacer K120198 Vent fitting K83093
D	HM127446 -90138	HM127446 - 90188	Backing spacer K120178 Vent fitting K83093
E	HM129848 -90156	HM129848	Backing spacer K120190 Vent fitting K83093
F	HM133444 -90220	HM133444	Backing spacer K120160 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Backing spacer Vent fitting
G (7 x 14)	HM136948 -90292	HM136948	Backing spacer K118866 Vent fitting K83093
GG (7)	H337846	H337846	Backing spacer K118866 Vent fitting K83093
K	M241547	M241547	Backing spacer Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

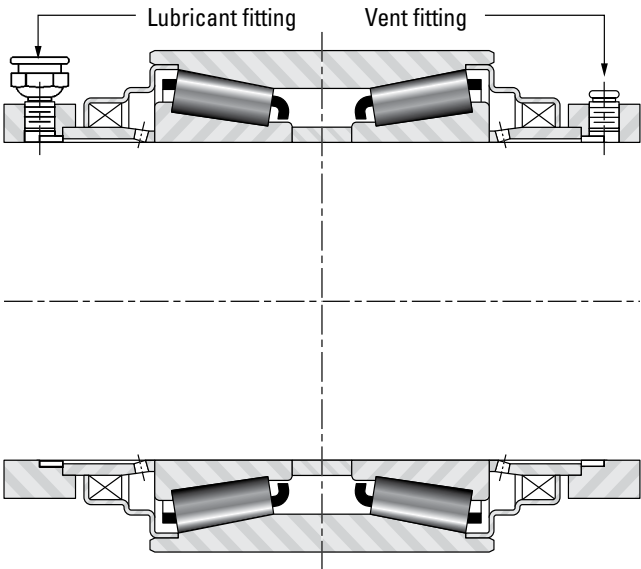
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 5C



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 - 90106	HM120848 - 90138	Backing spacer K118891 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
C	HM124646 - 90090	HM124646	Backing spacer K120198 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
D	HM127446 - 90170	HM127446	Backing spacer K120178 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
E	HM129848 - 90248	HM129848	Backing spacer K120190 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
F	HM133444	HM133444 - 90236	Backing spacer K120160 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Backing spacer Lube fitting Vent fitting
G (7 x 14)	HM136948	HM136948	Backing spacer K118866 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
GG (7)	H337846	H337846	Backing spacer K118866 <sup>(2)</sup> Lube fitting K78880 Vent fitting K83093
K	M241547	M241547	Backing spacer Lube fitting Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

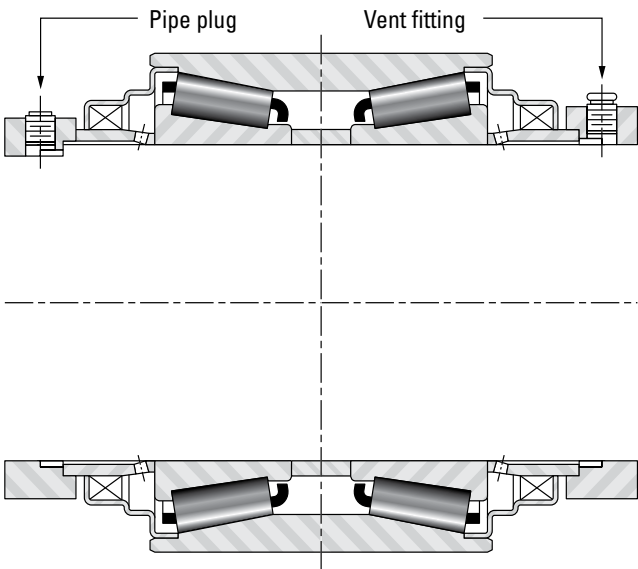
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 5D



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90084	HM120848 - 90098	Backing spacer K118891 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
C	HM124646	HM124646	Backing spacer K120198 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
D	HM127446 -90166	HM127446	Backing spacer K120178 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
E	HM129848 -90122	HM129848	Backing spacer K120190 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
F	HM133444 -90270	HM133444	Backing spacer K120160 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Backing spacer Pipe plug Vent fitting
G (7 x 14)	HM136948	HM136948	Backing spacer K118866 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
GG (7)	H337846	H337846	Backing spacer K118866 <sup>(2)</sup> Pipe plug K46462 Vent fitting K83093
K	M241547	M241547	Backing spacer Pipe plug Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

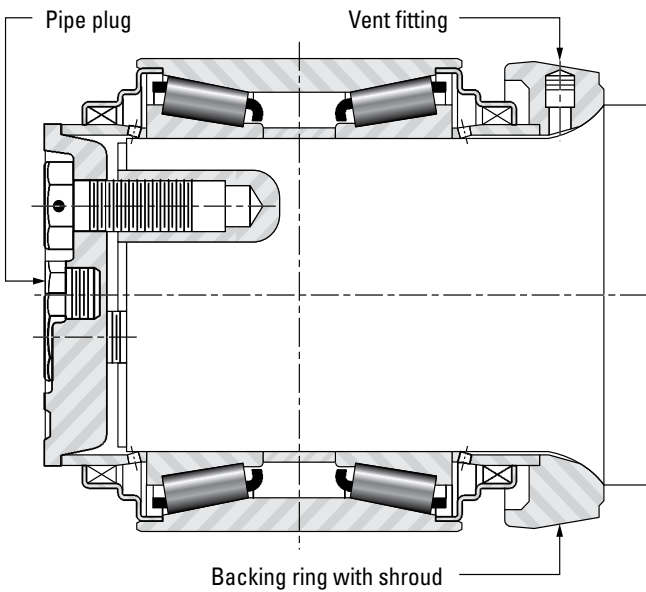


HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 6



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90065	HM120848 -90105	Recessed end cap K399069-90010 Backing ring K86874-90010
C	HM124646 -90065	HM124646	Recessed end cap K399070-90010 Backing ring K85588-90010
D	HM127446 -90101	HM127446 -90099	Recessed end cap K399071-90010 Backing ring K85525-90010
E	HM129848 -90109	HM129848 -90199	Recessed end cap K399072-90010 Backing ring K85095-90010
F	HM133444 -90117	HM133444	Recessed end cap K399073-90010 Backing ring K85516-90010
G (7 x 12)	HM136948 -90331	HM136948	Recessed end cap K399074-90010 Backing ring K147766-90010
G (7 x 14)	HM136948 -90265	HM136948 -90253	Recessed end cap K399074-90010 Backing ring K95200-90010
GG (7)	H337846	H337846	Recessed end cap K399074-90010 Backing ring K147766-90010
K	M241547	M241547	Recessed end cap Backing ring

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

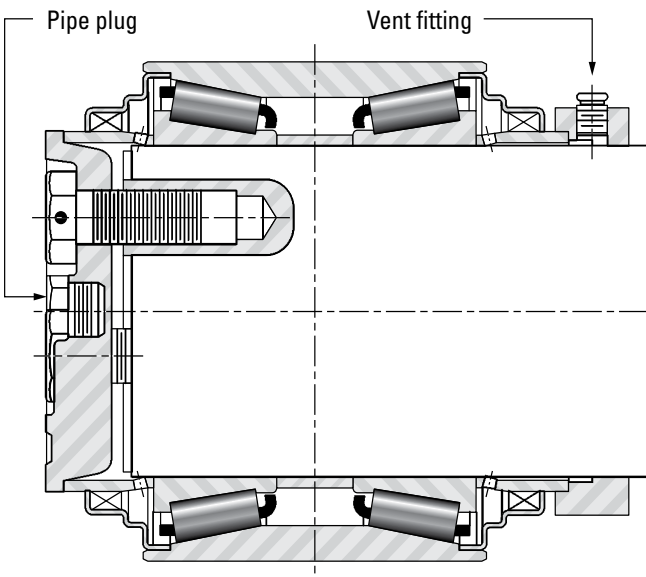
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 78 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 6A



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90081	HM120848	Recessed end cap K399069-90010 Backing spacer K118891 Vent fitting K83093
C	HM124646	HM124646	Recessed end cap K399070-90010 Backing spacer K120198 Vent fitting K83093
D	HM127446 -90157	HM127446	Recessed end cap K399071-90010 Backing spacer K120178 Vent fitting K83093
E	HM129848 -90171	HM129848	Recessed end cap K399072-90010 Backing spacer K120190 Vent fitting K83093
F	HM133444	HM133444	Recessed end cap K399073-90010 Backing spacer K120160 Vent fitting K83093
G (7 x 12)	HM136948	HM136948	Recessed end cap Backing spacer Vent fitting
G (7 x 14)	HM136948 -90295	HM136948	Recessed end cap K399074-90010 Backing spacer K118866 Vent fitting K83093
GG (7)	H337846	H337846	Recessed end cap K399074-90010 Backing spacer K118866 Vent fitting K83093
K	M241547	M241547	Recessed end cap Backing spacer Vent fitting

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

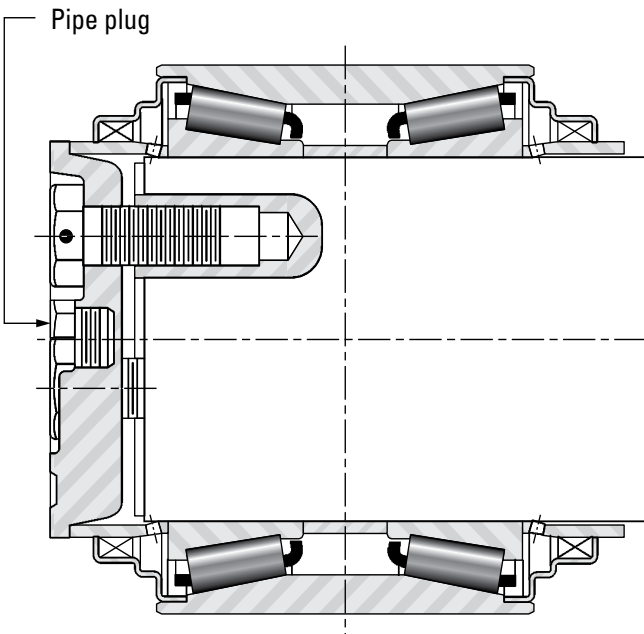
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Bearing Mounting Arrangement 6B



Class	Overall Assembly Standard	Overall Assembly Code 350 <sup>(1)</sup>	Auxiliary Parts Sub Assemblies <sup>(2)</sup>
B	HM120848 -90037	HM120848 -90077	Recessed end cap K399069-90010
C	HM124646 -90057	HM124646 -90069	Recessed end cap K399070-90010
D	HM127446 -90083	HM127446 -90181	Recessed end cap K399071-90010
E	HM129848 -90101	HM129848	Recessed end cap K399072-90010
F	HM133444 -90087	HM133444 -90169	Recessed end cap K399073-90010
G (7 x 12)	HM136948	HM136948	Recessed end cap
G (7 x 14)	HM136948 -90241	HM136948	Recessed end cap K399074-90010
GG (7)	H337846 -90247	H337846	Recessed end cap K399074-90010
K	M241547 -90029	M241547	Recessed end cap K504075-90010

<sup>(1)</sup> Code 350 provides a cup O.D. tolerance of +.003 +.004 in. and is used in applications requiring a press fit for the cup.

<sup>(2)</sup> For reference only.

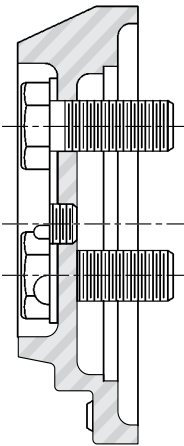
NOTE: Auxiliary parts are supplied with the overall assembly number – see pages 76 to 79 for listing of component parts.

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Axle End Cap Assemblies



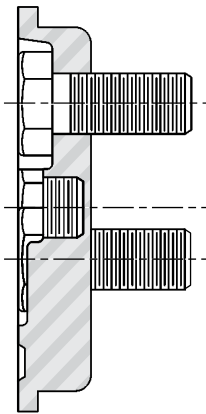
Class	Assembly No	End Cap Part No	Cap Screw (Qty: 3)		Lock Plate	Pipe Plug		Lube Fitting
			Size	Part No		Size	Part No	
B	K86877-90010	K86877	$\frac{3}{8}$ in.	K53399	K84326	$\frac{3}{8}$ in.	K86891	K399065
	K86877-90012	K86877	$\frac{3}{8}$ in.	K53399	K84326	$\frac{3}{8}$ in.	K86891	
C	K86003-90010	K86003	$\frac{3}{8}$ in.	K44434	K84325	$\frac{3}{8}$ in.	K86891	K399065
	K86003-90015	K86003	$\frac{3}{8}$ in.	K44434	K84325	$\frac{3}{8}$ in.	K86891	
D	K85521-90010	K85521	$\frac{3}{8}$ in.	K44434	K80511	$\frac{3}{8}$ in.	K75801	K49022
	K85521-90011	K85521	$\frac{3}{8}$ in.	K44434	K80511	$\frac{3}{8}$ in.	K75801	
E	K85510-90010	K85510	1 in.	K84354	K80596	$\frac{3}{8}$ in.	K75801	K49022
	K85510-90011	K85510	1 in.	K84354	K80596	$\frac{3}{8}$ in.	K75801	
F	K85517-90010	K85517	1 $\frac{1}{8}$ in.	K84351	K84324	$\frac{3}{8}$ in.	K75801	K49022
	K85517-90012	K85517	1 $\frac{1}{8}$ in.	K84351	K84324	$\frac{3}{8}$ in.	K75801	
G (7 x 12)	K95199-90010	K95199	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	K49022
	K95199-90011	K95199	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	
G (7 x 14)	K412057-90010	K412057	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	K49022
	K412057-90011	K412057	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	
GG (7)	K95199-90010	K95199	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	K49022 K49022
	K95199-90011	K95199	1 $\frac{1}{8}$ in.	K84398	K84701	$\frac{3}{8}$ in.	K75801	
	K95199-90010	K462064	1 $\frac{1}{8}$ in.	K462063	K84701	$\frac{3}{8}$ in.	K75801	
	K95199	K462064	1 $\frac{1}{8}$ in.	K462063	K84701	$\frac{3}{8}$ in.	K75801	
K	–	–	–	–	–	–	–	–

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Recessed End Cap Assemblies



Class	Assembly No	End Cap Part No	Cap Screw (Qty: 3)		Pipe Plug	
			Size	Part No	Size	Part No
B	K399069-90010	K399069	$\frac{7}{8}$ in.	K344077	$\frac{7}{8}$ in.	K75801
C	K399070-90010	K399070	$\frac{7}{8}$ in.	K344077	$\frac{7}{8}$ in.	K75801
D	K399071-90010	K399071	$\frac{7}{8}$ in.	K33003	$\frac{7}{8}$ in.	K75801
E	K399072-90010	K399072	1 in.	K74600	$\frac{7}{8}$ in.	K75801
F	K399073-90010	K399073	1 in.	K74600	$\frac{7}{8}$ in.	K75801
G (7 x 12)	K399074-90010	K399074	1 $\frac{1}{8}$ in.	K74588	$\frac{7}{8}$ in.	K75801
G (7 x 14)	K399074-90010	K399074	1 $\frac{1}{8}$ in.	K74588	$\frac{7}{8}$ in.	K75801
GG (7)	K399074-90010	K399074	1 $\frac{1}{8}$ in.	K74588	$\frac{7}{8}$ in.	K75801
K	K504075-90010	K504075	1 $\frac{1}{8}$ in.	K74588	$\frac{7}{8}$ in.	K75801



HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Backing Ring with Shroud



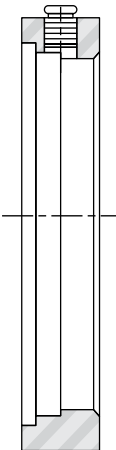
Class	Assembly No	Backing Ring Part No	Vent Fitting Part No
B	K86874-90010	K86874	K89716
C	K85588-90010	K85588	K89716
D	K85525-90010	K85525	K89716
E	K85095-90010	K850095	K89716
F	K85516-90010	K85516	K89716
G (7 x 12)	K147766-90010	K147766	K89716
G (7 x 14)	K95200-90010	K95200	K89716
GG (7)	K147766-90010	K147766	K89716
K	-	-	-

HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Backing Spacer



Class	Backing Spacer Part No	With One Of The Following					
		Vent Fitting		Pipe Plug		Lube Fitting	
		Size	Part No	Size	Part No	Size	Part No
B	K118891	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
C	K120198	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
D	K120178	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
E	K120190	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
F	K120160	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
G (7 x 12)	K118866	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
G (7 x 14)	K118866	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
GG (7)	K118866	1/8in.	K83093	1/8in.	K46462	1/8in.	K78880
K	—	—	—	—	—	—	—



HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Assemblies with Special Cup for Relubrication to Center of the Bearing

Class	Assembly No	Mounting Arrangement	Cup Number	Remarks
B	HM120848-90090	Style 4	HM120817D	Oil hole and groove on cup -special clearance - E29536 Oil hole and groove on cup - E31318 Oil hole and groove on cup - no dwg 2 3⁄16in. NPT holes in cup - E33239 2 3⁄16in. NPT holes in cup - E34745 2 3⁄16in. NPT holes in cup - E34746 2 3⁄16in. NPT holes in cup - E34750
	HM120848-90136	Style 4	HM120817D	
	HM120848-90150	Style 5B	HM120817D	
	HM120848-90154	Style 4	HM120817YD	
	HM120848-90155	Style 6B	HM120817YD	
	HM120848-90156	Style 5B	HM120817YD	
	HM120848-90158	Style 2	HM120817YD	
C	HM124646-90158	Style 4	HM124618YD	2 3⁄16in. NPT holes in cup - E33239
D	HM127446-90153	Style 1A	HM127415D	Oil hole and groove on cup - E30994 Oil hole and groove on cup - E30994 Oil hole and groove on cup - special clearance - no dwg Oil hole and groove on cup - E31318 Oil hole and groove on cup - E33227
	HM127446-90152	Style 2	HM127415D	
	HM127446-90270	Style 2	HM127415D	
	HM127446-90172	Style 4	HM127415D	
	HM127446-90216	Style 5B	HM127415D	
E	HM129848-90174	Style 2	HM129814D	Oil hole and groove on cup - E31319 Oil hole and groove on cup - no dwg
	HM129848-90210	Style 5B	HM129814D	
F	HM133444-90177	Style 1A	HM133416D	Oil hole and groove on cup - E30994 Oil hole and groove on cup - E30994 2 3⁄16in. NPT holes in cup - E33239
	HM133444-90176	Style 2	HM133416D	
	HM133444-90248	Style 4	HM133415YD	
G	HM136948-90345	Style 1A (7 X 12)	HM136916D	Oil hole and groove on cup - E30994 Oil hole and groove on cup - E30994 Oil hole and groove on cup - E31319 Oil hole and groove on cup - E31318
	HM136948-90344	Style 2 (7 X 12)	HM136916D	
	HM136948-90304	Style 2 (7 X 14)	HM136916D	
	HM136948-90296	Style 4 (7 X 14)	HM136916D	
K	M241547-90070	Style 4	M241513D	Oil hole and groove on cup - E37462



HOW TO ORDER

METHOD 2

SUPPLEMENTAL AND SPECIAL ASSEMBLY NUMBERS

Assemblies with Non-Standard - Reduced Width

Class	Assembly No	Mounting	Cup Number	Remarks
C	HM124646-90132	Style 2	HM124616XD	Cone spacer HM124646XC Backing ring K85588-90010
	HM124646-90116	Style 4	HM124616XD	Cone spacer HM124646XC
	HM124646-90140	Style 4	HM124616XD	Cone spacer HM124646XC Code 350 tolerances
	HM124646-90133	Style 6	HM124616XD	Cone spacer HM124646XC Recessed end cap K399070-90010 Backing ring K85588-90010
D	HM127446		HM127417XD	Cone spacer HM127446XB
E	HM129848-90218	Style 2	HM129813XD	Cone spacer HM129848XB Backing ring K85095-90010
	HM129848-90176	Style 4	HM129813XD	Cone spacer HM129848XB
	HM129848-90219	Style 6	HM129813XD	Cone spacer HM129848XB Recessed end cap K399072-90010 Backing ring K85095-90010
	HM129848-90177	Style 6B	HM129813XD	Cone spacer HM129848XB Recessed end cap K399072-90010
F	HM133444-90190	Style 2	HM133413XD	Cone spacer HM133444XE Backing ring K85516-90010 Code 350 tolerances







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