



FEATURES/BENEFITS

Bearing Reference Guide

E-Family Roller Bearings

Specialty Tapered Products

S-2000

UNISPHERE II

IMPERIAL

UNIFIED SAF

Type E-Xtra/DOUBLE-INTERLOCK/Type K/TAF/EXL

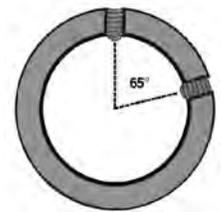
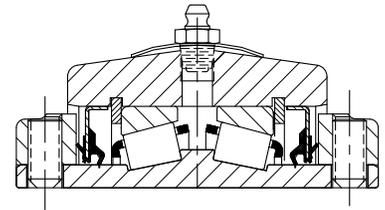
These five product lines have many common features and benefits that are shown on this page. Unique features for each product are shown on the following pages.

The common components used by all four lines include:

- Bearings
- Seals
- Locking collars
- Bore range

General Features:

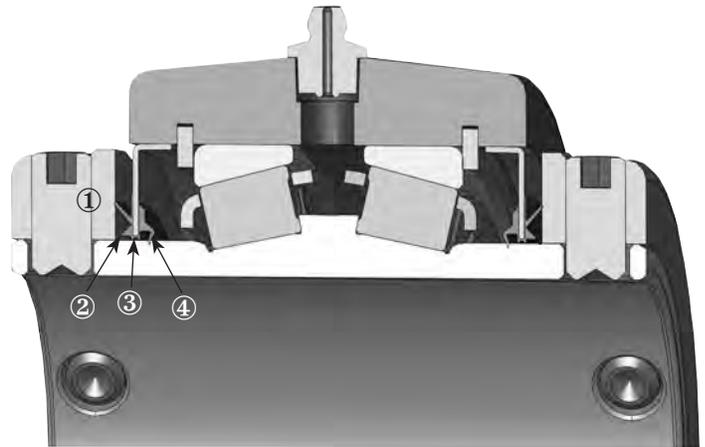
- Factory assembled, adjusted and prelubricated
- Case hardened rollers and races
- Easy installation and maintenance
- 65 degree set screw angle Springlok collar/ flingers - more holding power than 90 to 120 degree
- Triple rubber lip contacting seals



E-Xtra Tough Sealing

Importance of Sealing:

- 40% of mounted bearing failures in the industry involve liquid or solid contamination or lack of adequate lubrication
- Obstructs contaminant entry
- Retains essential lubrication
- Increased life equals decreased downtime

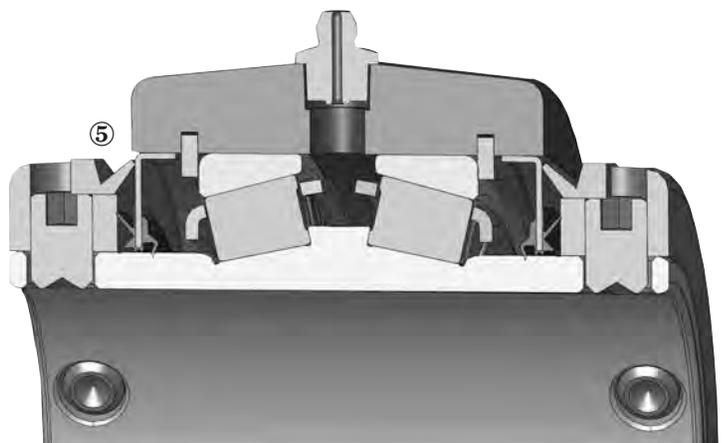


XTS Sealing

XTS Sealing System

Standard on all Baldor Dodge Type E-Xtra, EXL, TAF, Double Interlock and Type K Bearings

1. Collar-riding seal lip provides the first level of defense against contaminants
2. Trash guard protects inner seals
3. Primary contact seal protects internal components and helps retain grease
4. Contact seal for grease retention and secondary trash guard for increased protection
5. Optional E-Tect seal kit for harsh-duty environments



XTS Sealing with E-Tect Option

NOTE: Instruction manuals for Dodge bearings are available on www.dodge-pt.com



FEATURES/BENEFITS

Type E-Xtra

DODGE Type E One Bearing, One Seal For Dusty or Damp Environments



- “E” stands for economy
- Type E allows easy upgrade from ball bearings
- Comparable mounting dimensions with ball bearings
- Moderate price premium vs. ball bearings
- Steel housed pillow blocks available in selected sizes

The Original DODGE Type E Bearing, Only Better

- New Dodge manufactured bearings increase load ratings 13-14% depending on size
- New “XTS” seal provides added protection against contamination
- Completely assembled, factory adjusted and properly lubricated - shaft ready
- Stocked in all configurations
- Extra protection - E-TECT seal option
- Steel end covers available up to 3”, 75mm



Top Angle Take-Ups
1-3/4 to 4”
45 - 100mm



Center Pull Frame With
Wide Slot Take-UP
1-3/8 to 3”
35 - 75mm



Pillow Block
1-3/16 to 7”
35 - 180mm



Piloted Flange
1-3/16 to 5”
35 - 125mm



Flange
1-3/16 to 4-1/2”
35 - 115mm



FEATURES/BENEFITS

Type EXL for Extended Life

The Dodge Type EXL offers misalignment and expansion capability by incorporating a totally sealed inner unit into a split housing design with standard Type E mounting dimensions.

Standard Features

- XTS Triple-Lip Seal
- Up to $\pm 4^\circ$ of misalignment capability
- Totally Sealed Inner Unit
- High Strength Ductile Iron Housings
- Available in Expansion and Non-Expansion Housings

Product Offering

2-Bolt Pillow Blocks: 1-3/16" - 3-1/2"

4-Bolt Pillow Blocks: 2-1/4" - 5"



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Type K and DOUBLE-INTERLOCK

DODGE DOUBLE-INTERLOCK COMBINES DURABILITY WITH MOUNTING FLEXIBILITY

Heavy Duty Housing Construction Has Proven Performance

- Offers tapered roller bearing durability in a variety of mounting styles
- “XTS” triple lip seal standard
- Extra protection E-TECT Seal Option
- Special clearances and greases available
- Self aligning
- Factory assembled, adjusted and lubricated - **shaft ready**
- End covers available up to 5”



Pillow Block
1-3/16 to 7”



Flanges
1-3/16 to 5”



S-1 Unit



B-1 Unit
1-3/16 up to 5”

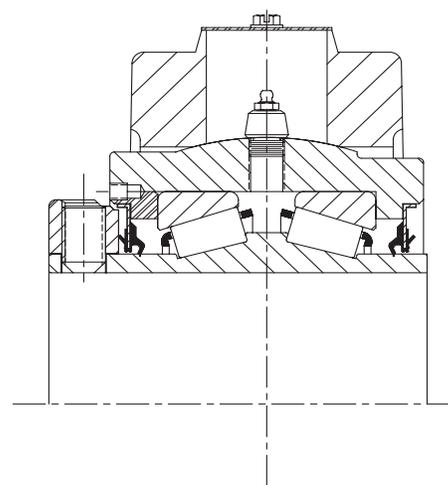


D Unit
1-3/16 up to 5”

DODGE TYPE K FITS WHERE COMPETITORS WON'T

Tapered Roller Bearings With Reduced Length Thru Bore

- Reduces length thru bore design in a variety of mounting styles
- Single collar design saves space and installation time
- Allows bearing to be closer to the load for reduced shaft design
- Self-aligning
- Factory assembled, adjusted and lubricated - shaft ready
- Same housing as DOUBLE-INTERLOCK
- End covers available up to 5”



S-1 & B-1 Units
1-3/16 - 3-15/16”



Pillow Block
Expansion & Non-Expansion
1-3/16 - 3-15/16”



Flange Expansion and
Non-Expansion
1-3/16 - 3-15/16



Wide Slot Take-Up
Frame
1-3/8 - 3”



Top Angle Take-Ups
1-3/4 - 3-15/16”



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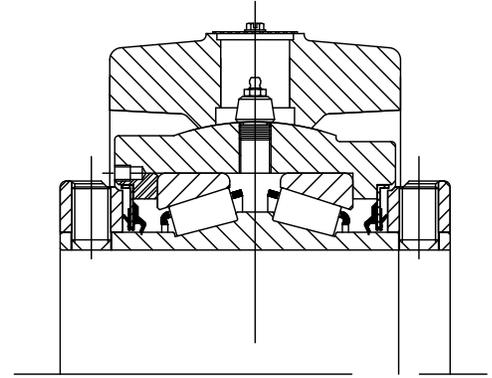
UNIFIED SAF

TAF

TAF IS A COST SAVING ALTERNATIVE TO SAF SPHERICAL BEARINGS

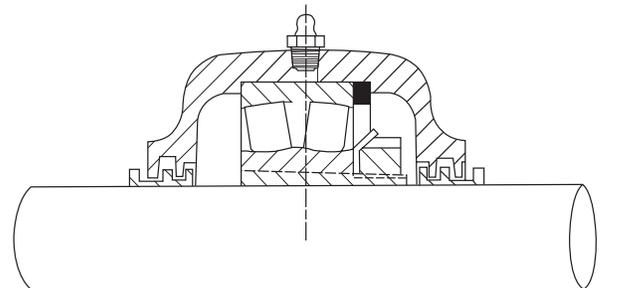
Mounts Fast, Stays Cleaner And Extends Service Life

- Shaft ready - mounts six times faster than SAF
- Interchangeable with SAF style pillow blocks
- Self-aligning, factory assembled, adjusted and lubricated
- Available in 1-7/16" up to 7" shaft diameters
- Equipped with expansion or non-expansion housing
- "XTS" seal standard
- E-TECT seal option available up to 7"
- Optional Smart Housings accommodate speed, vibration and temperature sensor kits



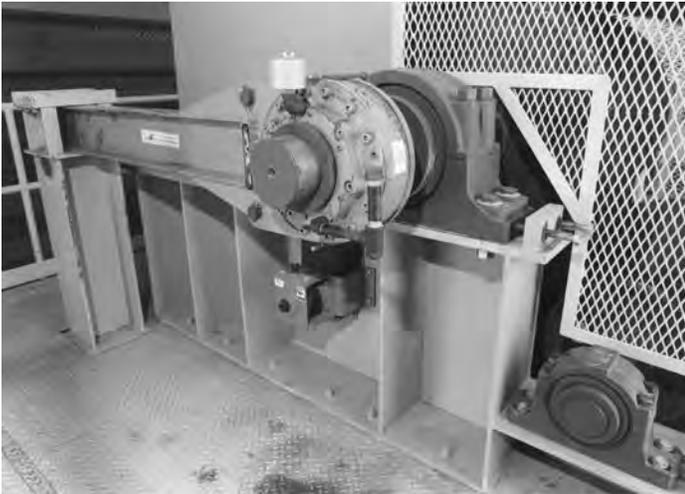
TAF

Self-aligning provided by spherically-machined housing

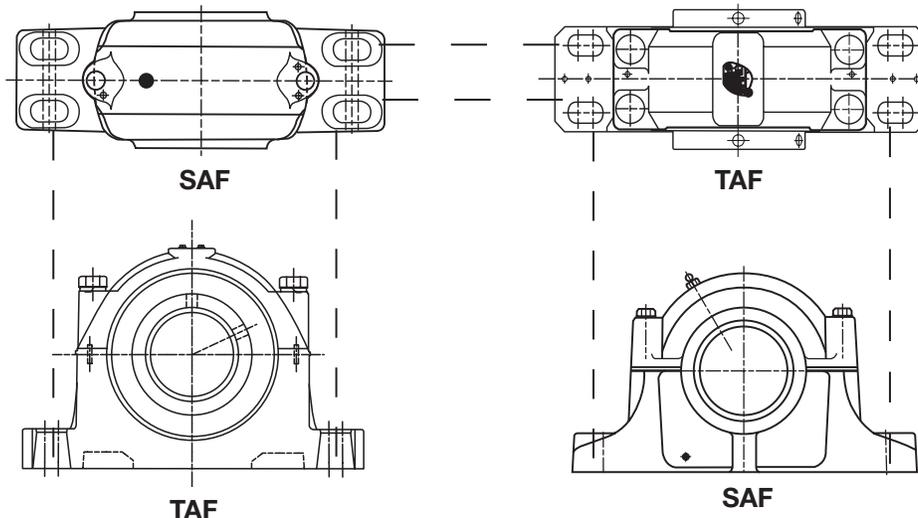


SAF

Self-aligning provided by insert, limited by seal interference



TAF Is Interchangeable With SAF Mounting Dimensions





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Type K/DOUBLE-INTERLOCK/TAF

DODGE BEARINGS SAVE YOU TIME AND MONEY

Compare These DODGE TAF, Type K & DOUBLE-INTERLOCK Bearing Advantages Against Standard SAF Pillow Blocks

Standard SAF

- Four pieces
- Up to six packages
- Open bearing
- Feeler gauge required
- Grease required

DODGE TAF, Type K and DOUBLE-INTERLOCK

- One piece
- Sealed bearing
- Factory adjusted
- Factory lubricated
- Shaft ready



Compare Standard SAF and DODGE Sealing Designs

Standard SAF

- Seals ride independently of bearing
- Less than 1° static misalignment
- Sealing effectiveness decreases as misalignment increases
- Seals distort when misalignment occurs



DODGE TAF, Type K and DOUBLE-INTERLOCK

- Inner unit carries seal
- Up to 5° static misalignment
- Seal and bearing ride together in inner unit
- Seals maintain contact on cones even with misalignment



NOTE: Instruction manuals for Dodge bearings are available on www.dodge-pt.com