## **BALL BEARING INDEX**



				HOU	SING		
		P2B-	TB-	F2B-	LFT-	FB-	
	GT	P2B-GT B2-8 P2B-GTEZPCR B1-14 P2B-GTEZCHCR B1-16 P2B-GTM B2-10	TB-GT B2-30 TB-GTEZPCR B1-30	F2B-GT B1- F2B-GTEZPCR B1-38 F2B-GTEZSCHR B1-40 F2B-GTM		FB-GT B1- FB-GTEZPCR B1-52	
	SC, SCM	P2B-SC B3-10 - B3-14 P2B-SCRZPCR B1-18 P2B-SCRZSHCR B1-20 P2B-SCM B3-26 - B3-30	TB-SC B3-42 TB-SCRZPEC B1-32	F2B-SC B3-44 - B3-46 F2B-SCRZPCR B1-42 F2B-SCEZSHCR B1-44 F2B-SCM B3-54	LFT-SC B3-60	FB-SC B3-64 FB-SCRZPCR B1-54	LF-SC B3-66
N S E R T	VSC-	P2B-VSC B3-32 - B3-34		F2B-VSC B3-58 F2B-SL B3-62			F3B-SL B3-68
S	SXR-	P2B-SXR B4-10 - B4-14	TB-SXR B4-28	F2B-SXR B4-32		FB-SXR B4-	
	sxv-	P2B-SXV B4-20 - B4-24	TB-SXV B4-30	F2B-SXV B4-34 F2B-SLX B4-42	LFT-SXV B4-40		LF-SXV B4-44 F3B-SLX B4-46
	DL, DLM	P2B-DL B5-8 - B5-12 P2B-DLEZ PCR B1-24 P2B-DLEZ-SHCR B1-26 P2B-DLM B5-14 - B5-16	TB-DL B5-20 TB-DLEZ PCR B1-34	F2B-DL B5-22 F2B-DLEZ PCR B1-46 F2B-DLEZ SHCR B1-48 F2B-DLM B5-24	LFT-DL B5-28	FB-DL B5-32 FB-DLEZ PCR B1-56	LF-DL B5-30

Not Recommended

Made to Order / Modification Required

## **BALL BEARING INDEX**



				HOUSING	3		
F4B-	FC-	NSTU-WSTU- TP-	HNG-	SCHB-	CYL		
F4B-GT B2-48 F4B-GTEZ PCR B1-60 F4B-GTEZ SHCR B1-62 F4B-GTM B2-50	FC-GT B2-64 FC-GTM B2-66					GT	
F4B-SC B3-70 - B3-72 F4B-SCRZ PCR B1-64 F4B-SCRZ SHCR B1-66 F4B-SCM B3-78	FC-SC B3-86 FC-SCM B3-88	NSTU-SC NTSU-SCM TP-G B3-90 - B3-92 WSTU-SCEZPCR B1-78 WSTU-SC WSTU-SCM TP-G B3-98 - B3-100	HNG-SC B3-114	SCHB-SC B3-116	CYL-SC B3-118	SC, SCM	ı
F4B-VSC B3-82 F4B-SL B3-84		WSTU-VSC B3-106 NSTU-VSC B3-96				VSC-	N S E R T
F4B-SXR B4-48	FC-SXR	WSTU-SXR NSTU-SXR TP-GXR B4-62, B4-64 B4-66	HNG-SXR B4-70	SCHB-SXR B4-72	CYL-SXR B4-74	SXR-	S
F4B-SXR B4-52 F4B-SLX B4-54	FC-SXV B4-34	NSTU-SXV WSTU-SXV B4-62 - B4-66				sxv-	
F4B-DL B5-34 F4B-DLEZ PCR B1-68 F4B-DLEZ SHCR B1-70 F4B-DLM B5-36 - B5-38	FC-DL B5-40 FC-DLM B5-42	NSTU-DL NSTU-DLM B5-44 - B5-46 WTSU-DLEZ PCR B1-78 WSTU-DL WSTU-DLM B5-48 - B5-50 TP-DL, TPDLM B5-52 - B5-54		SCHB-DL B5-56	CYL-DL B5-58	DL, DLM	

•	
Not Recommended	
Made to Order / Modification Required	

WSTU = Wide slot take-up

## HOW TO ORDER/ NOMENCLATURE





#### E-Z KLEEN Polymer and Stainless Steel Housed Mounted Bearings

#### **HOW TO ORDER**

There are two ways to specify DODGE polymer-housed ball bearings. Most of the product offerings have part numbers with listings shown throughout this brochure. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description for options not covered by the nomenclature.

```
NOMENCLATURE
P2B - SCHUEZ - 104S =
                                   PCR
                                           Modification Or Feature:
                                                CR = Corrosion resistant insert
                                                LL = Low torque labyrinth seal
                                                MOD = Modified
                                                NL = No Lube (sealed for life)
                                                P = Polymer housing
                                                SH = Stainless Steel Housing
                            Shaft Size
                                 Inches:
                                      First digit = Number of inches
                                      Second & third digits = Number of sixteenths of an inch
                                           104 = Indicates 1-4/16 or 1-1/4
                                      S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
                                      L = Next larger ring size. E.g. 1/2 204 would be written as 008L
                                      First two digits = number of millimeters
                                      M = Metric
                    Bearing Type:
                        SC = Wide inner ring, normal duty, 65° setscrew locking
                        DL = Wide inner ring, normal duty, concentric clamp collar
                        GT = Wide inner ring, normal duty, thin wall adapter locking
                        PS = Polymer Sleeve Insert
                        Suffixes to the above:
                            EZ = EZ-KLEEN (used with polymer or stainless steel housed units)
                            BEZ = Low backing height pillow block, EZ-KLEEN
                            UEZ = higher back pillow block, EZ-KLEEN (for interchangeability with
                                   competitive pillow blocks)
     -Housing:
          F2B = 2 bolt flange
          F4B = 4 bolt flange
          FB = Flanged bracket
          INS = Insert
          P2B = Pillow block, 2 bolt base
          TB = Tapped base pillow block
```

FEATURES/BENEFITS	SELECTION/DIMENSIONS	INTERCHANGE	ACCESSORIES
PAGE B1-2	PAGE B1-14	PAGE B1-88	PAGE B1-90

# HOW TO ORDER NOMENCLATURE





#### **GRIP TIGHT**

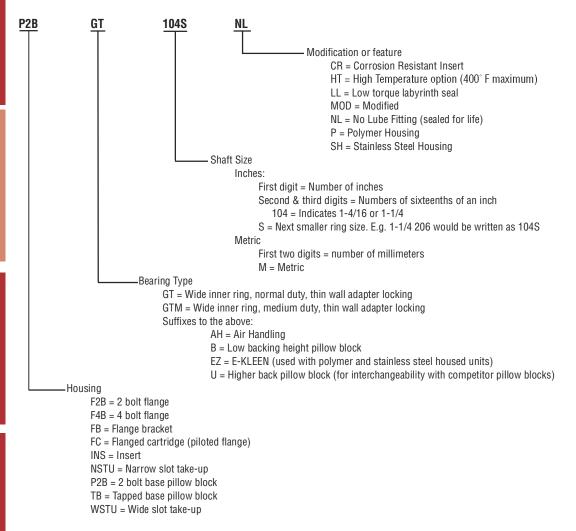
#### Thin Wall Adapter Ball Bearings

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of the part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name.

This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown below and add any special instructions to the end of the description for options not covered by the nomenclature.

#### **Nomenclature**



FEATURES/BENEFITS	SELECTION	SELECTION/DIMENSIONS	RELATED PRODUCTS
PAGE B2-2	PAGE B2-5	PAGE B2-30	PAGE B2-96

### HOW TO ORDER/ NOMENCLATURE



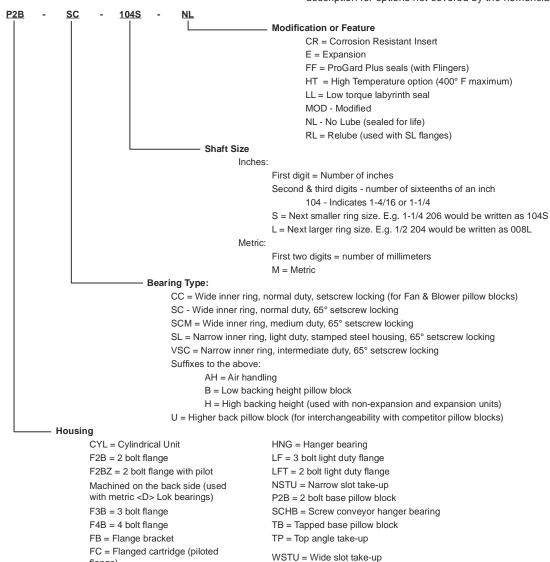


# Setscrew Ball Bearings HOW TO ORDER

There are two ways to specify DODGE Bearings. Most of the product offering have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate ordering processing.

F&B = Fan and blower pillow block

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown below and add any special instructions to the end of the description for options not covered by the nomenclature.



FEATURES/BENEFITS	SELECTION	SELECTION/DIMENSIONS	ACCESSORIES
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# DODGE®



#### **Eccentric Collar Ball Bearings**

TP = Top angle take-up WSTU = Wide slot take-up

**NOMENCLATURE** 

#### **Nomenclature**

```
P2B -
              SXR -
                            104
                                          NL
                                                 Modification or feature
                                                        E = Expansion
                                                        FF = ProGard Plus seals (with Flingers)
                                                        HT = High Temperature option (400° F maximum)
                                                        LL = Low torque labyrinth seal
                                                        MOD = Modified
                                                        NL = No Lube (sealed for life)
                                                        RL = Relube (used with SLX flanges)
                                   Shaft size
                                          Inches:
                                                 First digit = Number of inches
                                                 Second & third digits = Number of sixteenths of an inch
                                                        104 = Indicates 1-4/16 or 1-1/4
                                                 S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
                                                 L = Next larger ring size. E.g. 1/2 204 would be written as 008L
                                                 First two digits = number of millimeters
                                                 M = Metric
                     Bearing type:
                            SLX = Narrow inner ring, light duty, stamped steel housing, Eccentric locking Collar
                            SXR = Wide inner ring, normal duty, Eccentric locking Collar
                            SXV = Narrow inner ring, intermediate duty, Eccentric locking Collar
                            Suffixes to the above:
                                   B = Low backing height pillow block
                                   H = High backing height (used with non-expansion and expansion units)
                                   U = Higher back pillow block (for interchangeability with competitor pillow blocks)
       ·Housing:
              CYL = Cylindrical Unit
              F2B = 2 bolt flange
              F2BZ = 2 bolt flange with pilot machined on the back side
              F3B = 3 bolt flange
              F4B = 4 bolt flange
              FB = Flange bracket
              FC = Flanged cartridge (piloted flange)
              F&B = Fan and blower pillow block
              HNG = Hanger bearing
              LF = 3 bolt light duty flange
              LFT = 2 bolt light duty flange
              NSTU = Narrow slot take-up
              P2B = 2 bolt base pillow block
              SCHB = Screw conveyor hanger bearing
              TB = Tapped base pillow block
```

## HOW TO ORDER/ NOMENCLATURE





#### **D-LOK Ball Bearings**

#### **HOW TO ORDER**

There are two ways to specify DODGE Bearings. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is

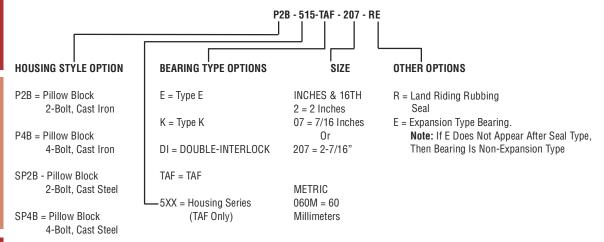
used when ordering units that include modifications or options. To order by description, use the nomenclature shown below and add any special instruction to the end of the description for options not covered by the nomenclature.

```
P2B - DL - 104S -
                              NL
                                            Modification or feature:
                                                   CR = Corrosion resistant insert
                                                   E = Expansion (used with SCH, SXRH, or DLH)
                                                   HT = High temperature option (400 degrees F maximum)
                                                   LL = Low torque labyrinth seal
                                                   MOD = Modified
                                                   NL = No Lube (sealed for life)
                                                   P = Polymer housing
                                                   SH = Stainless Steel Housing
                              Shaft size
                                    Inches:
                                            First digit = Number of inches
                                            Second & third digits = Number of sixteenths of an inch
                                                    104 = Indicates 1-4/16 or 1-1/4
                                            S = Next smaller ring size. E.g. 1-1/4 206 would be written as 104S
                                            L = Next larger ring size. E.g. 1-5/8 209 would be written as 110L
                                    Metric:
                                            First two digits = number of millimeters
                                            M = Metric
                Bearing type:
                    DL = Wide inner ring, normal duty, concentric clamp collar
                    DLM = Wide inner ring, medium duty, concentric clamp collar
                    Suffixes to the above:
                          AH = Air handling
                          B = Low backing height pillow block
                          EZ = EZ-Kleen (used with polymer or stainless steel housed units)
                          H = High backing height (used with expansion pillow blocks)
      Housing:
          CYL = Cylindrical unit
          F2B = 2 bolt flange
         F2BZ = 2 bolt flange with pilot machined on the back side (used with metric D-LOK bearings)
          F4B = 4 bolt flange
          FB = Flanged bracket
          FC = Flanged cartridge (piloted flange)
          HNG = Hanger bearing
         INS = Insert
          LF = Light duty flange, 3 bolt, with square bolt holes
          LFT = Light duty flange, 2 bolt, with square bolt holes
         NSTU = Narrow slot take-up
          P2B = Pillow block, 2 bolt base
          SCHB = Screw conveyor hanger bearing
          TB = Tapped base pillow block
          TP = Top angle take-up
          WSTU = Wide slot take-up
```





### Type E, Type K, DOUBLE-INTERLOCK and TAF



Cartridge)
B1U = B1 Unit, Cast Iron

Bearing (Flanged

F4B = Flange Bearing 4-Bolt, Cast Iron

FC = Piloted Flange

DU = D Unit, Cast Iron

S1U = S-1, Unit, Cast Iron

WSTU = Wide Slot Take-Up Bearing, Cast Iron

TP = Top Angle Take-Up Bearing Cast Iron

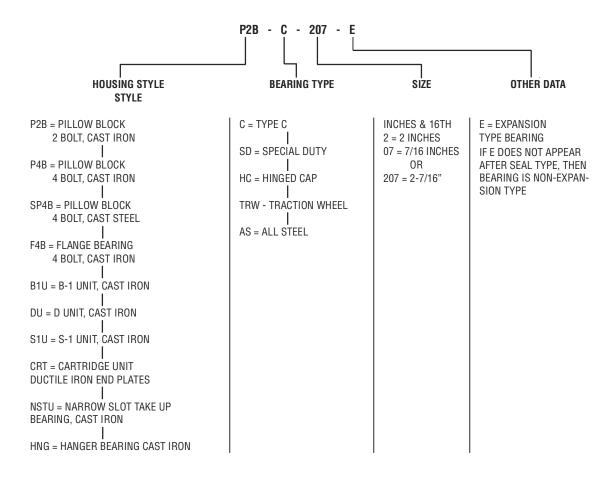
H2S = Pillow Block Housing Only 2-Bolt, Cast Iron

H4S = Pillow Block Housing 4-Bolt, Cast Iron

FEATURES/BENEFITS	NOMENCLATURE	SELECTION	SELECTION/DIMENSIONS
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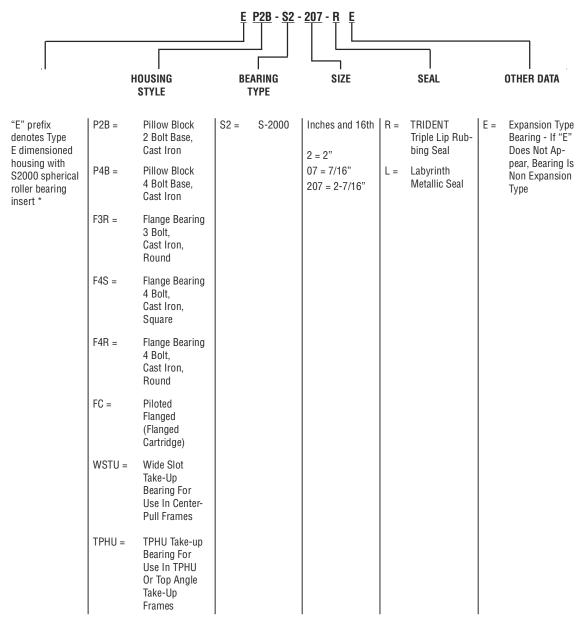


FEATURES/BENEFITS	NOMENCLATURE	SELECTION	SELECTION/DIMENSIONS
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#### S-2000



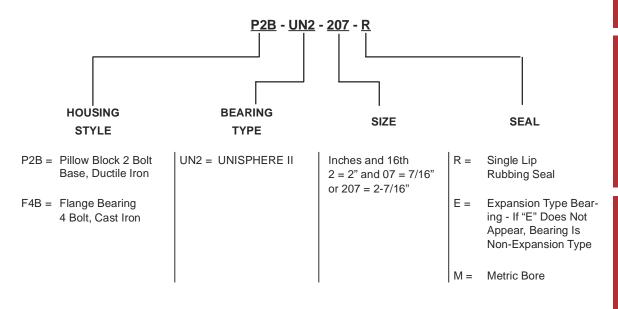
<sup>\*</sup> Available in two or four bolt pillow blocks, four bolt square flanges and piloted flanges

FEATURES/BENEFITS	HOW TO ORDER	DIMENSION	INTERCHANGE CHARTS
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# UNISPHERE II INCH



FEATURES/BENEFITS	SPECIFICATION	SELECTION	DIMENSIONS
PAGE B9- 3	PAGE B9- 4	PAGE B9- 6	PAGE B9- 16





### **IMPERIAL - IP**

		E P2B - IP	- 207 R E			
	I ISING YLE	BEARING TYPE	SIZE	SEAL	OTHER DATA	١
prefix denotes Type E dimensioned housing with  IMPE- RIAL spherical roller bearing insert*  F4R = Flat Bolt Iron  F4S = Flat Bolt Iron  FC = Pilo (Flat tridg)  WSTU = Wid Up Use	ow Block 4 It Base, Cast ow Block 4 It Base, Cast on onge Bearing oolt, Cast Iron und onge Bearing 4 It Base, Cast on, Round onge Bearing 4 It Base, Cast on, Round onge Bearing 4 It Base, Cast on, Square oted Flanged onged Car- onge)	= IMPERIAL	Inches and 16th  2 = 2"  07 = 7/16"  207 - 2-7/16"	R = TRIDENT Triple Lip Rubbing Seal  L = Labyrinth Metallic Seal	E = Expansion Type Bear ing - If "E" Does Not Appear, Bearing Is Non-Expan sion Type	r- in-

<sup>\*</sup> Available in two or four bolt pillow blocks, four bolt square flanges and piloted flanges

IMPERIAL FEATURES	IMPERIAL SPECIFICATION	IMPERIAL SELECTION	IMPERIAL DIMENSIONS
PAGE B10-3	PAGE B10-6	PAGE B10-12	PAGE B10-20

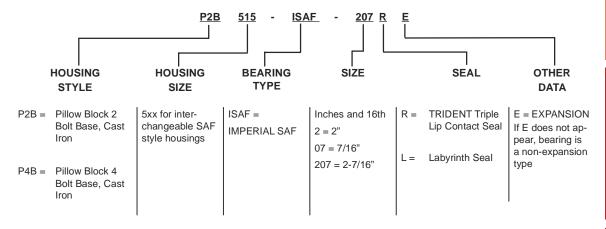
International Bearings

## **NOMENCLATURE**





**ISAF** 



# DODGE



## Complete Pillow Block - Inch

**NOMENCLATURE** 

	HOUSING		BEARING SERIES		TYPE OF	SIZ	T E INCHES		SEAL
P2B -	STYLE  2 Bolt Base Pillow	2XX -	ND HOUSING SIZE  For Direct Mount 22200	USAF -	NTED BEARING UNIFIED SAF	207	- Inches	Ιπ-	TYPE TRIPLE-TECT
1 20	Block, Cast Iron, Both Ends Open	ZXX	Series Bearing	OOAI	Pillow Block (Inch Dimensions)	2 =	& 16ths 2"	LER - SS -	Metal Labyrint Split
P4B -	4 Bolt Base Pillow Block, Cast Iron,	3XX -	For Direct Mount 22300 Series Bearing	USDAF -	UNIFIED SDAF Pillow Block	07 = 107 =	7/16"	TTDN -	Non-Metallic Labyrinth
	Both Ends Open	5XX -	For Adapter Mounted 22200K Series Bearing	SS -	SPLIT-SPHER	107 = 111 = 115 =	1-7/16" 1-11/16" 1-15/16"	AUX -	Drop-In TRIPLE-TECT Auxiliary
CP2B -	2 Bolt Base Pillow Block, Cast Iron, One End Closed	6XX -	For Adapter Mounted 22300K Series Bearing		Pillow Block	203 = 207 = 208 =	2-3/16" 2-7/16" 2-1/2"	EC -	(Taconite) End Closure
CP4B -	4 Bolt Base Pillow Block, Cast Iron, One End Closed	OXX -	For Adapter Mounted 23000K Series Bearing			211 = 212 = 215 = 300 = 303 = 307 = 308 = 315 = 400 = 403 = 405 = 503 = 507 = 508 = 515 = 600 =	2-11/16" 2-3/4" 2-15/16" 3" 3-3/16" 3-7/16" 3-1/2" 3-15/16" 4" 4-3/16" 4-7/16" 4-1/2" 4-15/16" 5-3/16" 5-7/16" 5-1/2" 5-15/16" 6"		
						600 = 607 = 608 = 615 = 700 = 703 =	6-7/16" 6-1/2" 6-15/16" 7" 7-3/16"		
						708 = 715 = 800 = 807 =	7-1/2" 7-15/16" 8" 8-7/16"		
						808 = 815 = 900 = 907 = 908 =	8-1/2" 8-15/16" 9" 9-7/16" 9-1/2"		
						915 = 1000 =	9-15/16"		

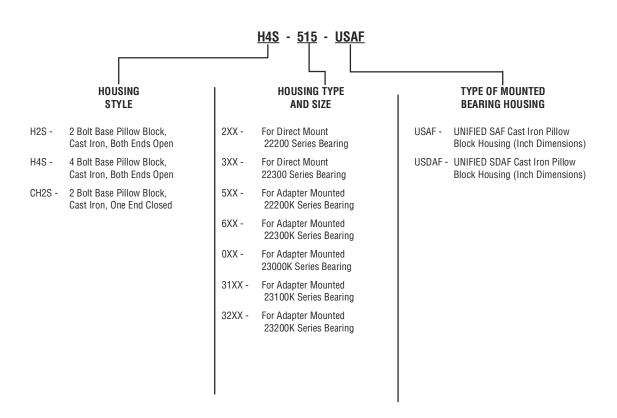
For monitor equipped pillow blocks a C preceding the pillow block designation indicates closed ends

FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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#### Housing Only (Housing and Stab Ring) Inch

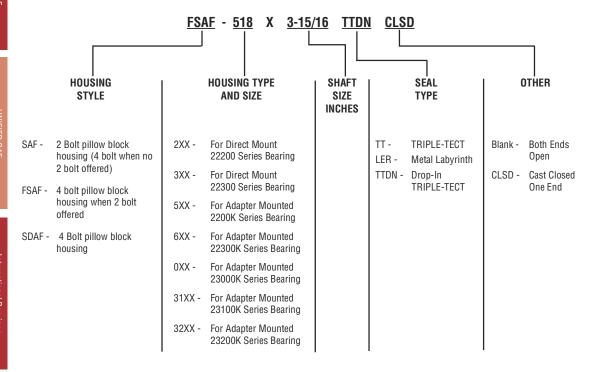


FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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### Housing Assembly (Housing and Stab Ring and Seals) - Inch

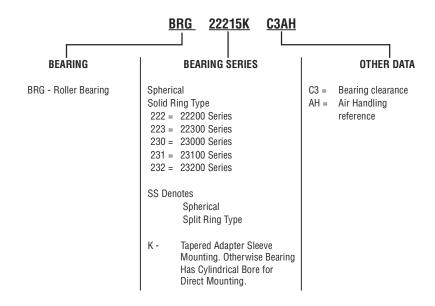


FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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### **Bearing**



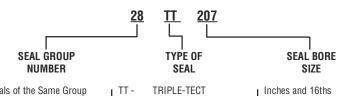
FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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# DODGE



#### Seals - Inch

**NOMENCLATURE** 



Seals of the Same Group Number All Fit the Same Housings.

TTDN - TRIPLE-TECT with
Drop-In Feature
LER - Metallic Labyrinth S

LER - Metallic Labyrinth Seal AUX - Auxiliary (Taconite) Seal

SS - Split Seal (Non-Metallic LER) Inches and 16ths 2 = 2" and 07 = 7/16" or 207 = 2-7/16"

Seal Group	Fits Housing	Seal Group	Fits Housing	Seal Group	Fits Housing
Number &Shaft Size	Sizes	Number & Shaft Size	Sizes	Number & Shaft Size	Sizes
08-107	308, 509 & 609	50-315	522 & 622	78-715	544
10-111	309, 510 & 610	50-400	522 & 622	78-800	544
12-114	310	52-403	222, 322, 524 & 624	80-805	244
12-115	308, 511 & 611	54-407	526 & 626	80-806	238 & 338
14-201	311	54-408	220, 320, 526 & 626	82-812	240
14-202	309	54-409	224 & 324	84-907	052
14-203	513 & 613	56-414	222 & 322	84-908	052
14-204	312	56-415	226, 326, 528 & 628	84-909	244
18-206	310	56-500	528 & 628	90-807	048
20-207	515 & 615	58-503	530 & 630	90-808	048
20-208	515 & 615	58-505	224, 324, 228 & 328	90-815	048
22-207	313	60-507	532 & 632	90-900	048
22-209	311	60-508	532 & 632	92-915	056
22-210	314	62-512	230 & 330	92-1000	056
24-211	516 & 616	62-514	226 & 236	94-1007	056L
24-212	516 & 616	64-515	534 & 634	94-1008	056L
24-213	215 & 315	64-600	534 & 634	96-1015	060, 3160, 3260
26-214	312	64-601	232 & 332	96-1100	060, 3160, 3260
28-215	517 & 617	66-604	228 & 328	98-1107	064
28-300	216, 316, 517 & 617	68-607	234, 334 & 536	98-1108	064
28-301	313	68-608	536	100-1115	064L, 3164, 3264
32-303	217 & 317	70-610	230 & 330	100-1200	064L, 3164, 3264
32-304	314	72-614	236	102-1207	068, 168, 268
34-303	518	72-615	538 & 638	104-1215	072
36-306	218	72-700	232, 332, 538 & 638	104-1300	072
38-307	215 & 315	74-703	540	106-1307	072L, 3172
38-310	216 & 316	74-704	238 & 338	106-1308	072L, 3172
42-315	217 & 317	76-707	234 & 334	108-1315	076, 3176
44-402	218	76-708	544S	108-1400	076, 3176
46-307	520 & 620	76-710	240	110-1500	80
46-308	520 & 620	78-713	236	112-1512	84
50-313	220 & 320				

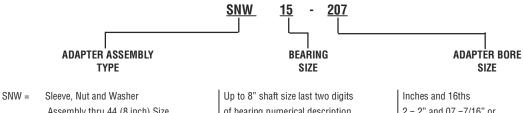
Note: For bore size interchange see chart on page B11-13.

FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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### **Adapter Assemblies - Inch**



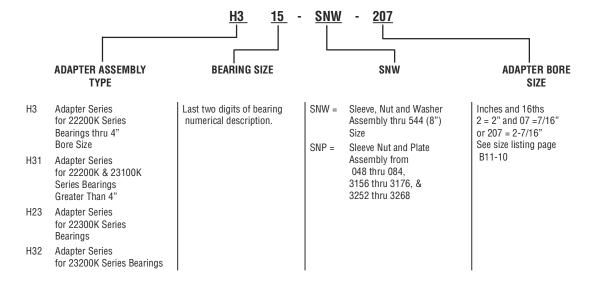
SNW = Sleeve, Nut and Washer
Assembly thru 44 (8 inch) Size

SNP = Sleeve, Nut and Lockplate
Assembly 048
(8-7/16") and Larger Sizes

Up to 8" shaft size last two digits
of bearing numerical description.
For larger sizes last four digits.

For larger sizes last four digits.

See size listing page
B11-10

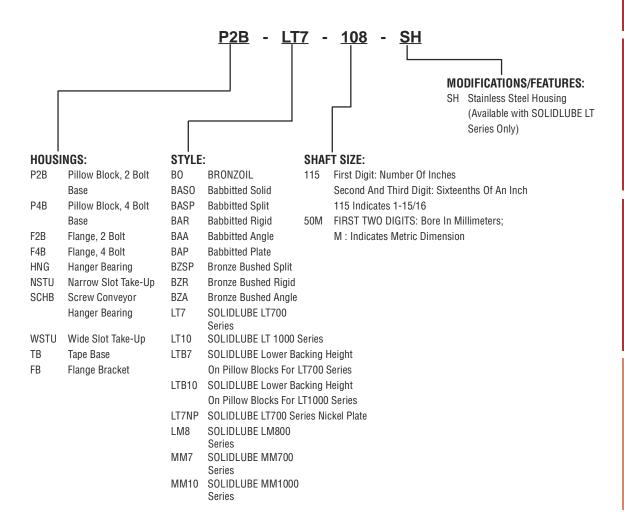


FEATURES/BENEFITS	SPECIFICATION	HOW TO ORDER	SELECTION/DIMENSIONS
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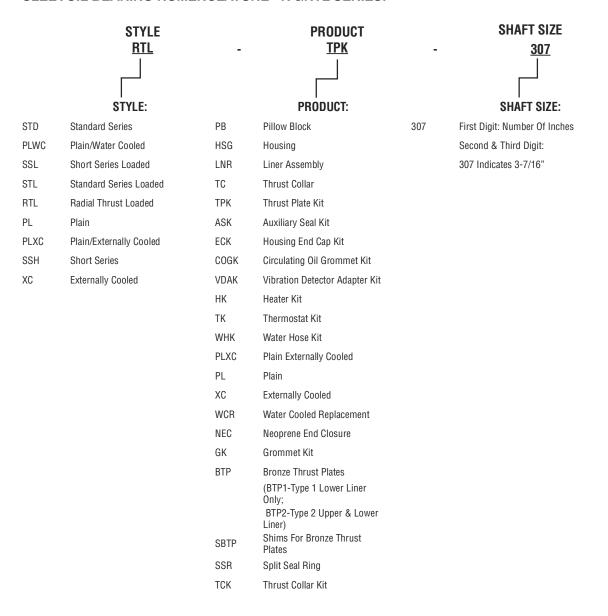
# Sleeve Bearings SLEEVE BEARING NOMENCLATURE







# SLEEVOIL SLEEVOIL BEARING NOMENCLATURE - R &RTL SERIES:



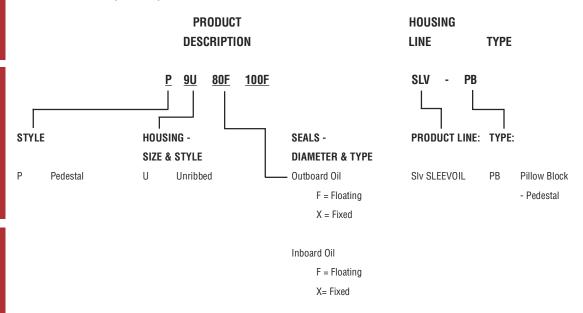
FEATURES/BENEFITS	SPECIFICATION/HTO	SELECTION	SELECTION/DIMENSIONS
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# DODGE



# SLEEVOIL SLEEVOIL DIN (metric) BEARING NOMENCLATURE - P SERIES

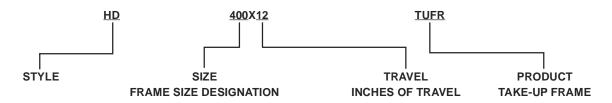
**NOMENCLATURE** 







#### **Take-Up Frames and Base Plates**



CP	Center Pull Wide Slot Take-Up Frame
WS	Wide Slot Ball Bearing Take-Up Frame
NS	Narrow Slot Ball Bearing Take-Up Frame
LD	Light Duty Protected Screw Take-Up Frame

TU Take-Up

HD Heavy Duty Protected Screw Take-Up Frame

TP Top Angle Take-Up Frame

TPHU Top Angle Heavy Duty Universal Take-Up Frame

TUA Type A Babbitted Take-Up Bearing
TUB Type B Babbitted Take-Up Bearing

BOTU BRONZOIL Take-Up

FR Frame

SSS Stainless Steel Screw
ABP Adjustable Base Plates

TU = Take-Up When Used As An Abbreviation Through This Section