

INTRODUCTION**Manufacturers****WIDEST RANGE OF VARIOUS TYPES & SIZES OF PLUMMER BLOCKS.**

- TYPES :** S, SN, SNA, SD, SAF, SOFN, SNH, TVN, LOE, SBDS, etc., and any type of TAILOR MADE HOUSINGS as per your drawing, design and/or sample.
- MATERIALS :** Cast Iron, Graded and Alloy Cast Iron, Spheroidal Graphite Iron (SG IRON) Cast Steel, Stainless Steel.

**OFFERS****PLUMMER BLOCKS / PILLOW BLOCKS/BEARING HOUSING****IN**

- HORIZONTALLY SPLIT/UNSPLIT DESIGN, FLANGED BEARING HOUSINGS
- GREASE LUBRICATED / OIL LUBRICATED
- FIXED TYPE / FLOATING TYPE
- SINGLE BEARING /TWO BEARING BLOCKS
- STANDARD DESIGN/ TAILOR MADE SPECIAL TYPE.
- UNLESS OTHERWISE SPECIFIED, PLUMMER BLOCKS ARE SUPPLIED IN CAST IRON MATERIALS. FOR HIGHER STRESSES & STRENGTH, PLUMMER BLOCKS IN SPHEROIDAL GRAPHITE IRON (S.G.

Designations

Housing Designation

Type	Explanation
(1) SN	- Horizontally Split Cast Iron Bearing Housings equipped with felt seals or labyrinth seals and suitable for grease lubrication.
SSN	- SN type bearing housings made of cast steel.
(2) SNA	- Horizontally Split Cast Iron Bearing Housing equipped with felt/V-ring-double lip type/labyrinth seals and suitable for grease/oil circulation lubrication.
SSNAD	- SNA type bearing housings made of Spheroidal Graphite Cast Iron.
SSNA	- SNA type bearing housings made of cast steel.
(3) SD	- Heavy duty horizontally Split Cast Iron Bearing Housing equipped with triple seals and suitable for grease/oil circulation lubrication.
SSD	- SD type bearing housing made of cast steel.
SDD	- SD type bearing housings made of Spheroidal Graphite Cast Iron.
(4) SAF	- Horizontally Split Cast Iron Bearing Housing equipped with triple/Taconite seals suitable for grease/oil lubrication and made of Cast Iron.
SAFS	- SAF type bearing housing made of cast steel.
SDAF	- Heavy duty SAF type bearing housing.
FSAF	- SAF type bearing housing having four bolt holes (used only when 2 or 4 bolts foundation is optional).
(5) SOFN	- Oil lubricated split type bearing housings equipped with end covers and labyrinth seals.
(6) SBDC	- Single piece heavy duty cast iron bearing housing equipped with end covers and labyrinth seals suitable for grease lubrication.
SBDD	- SBD type bearing housing made of Spheroidal Graphite Cast Iron.
SBDS	- SBD type bearing housing made of cast steel.

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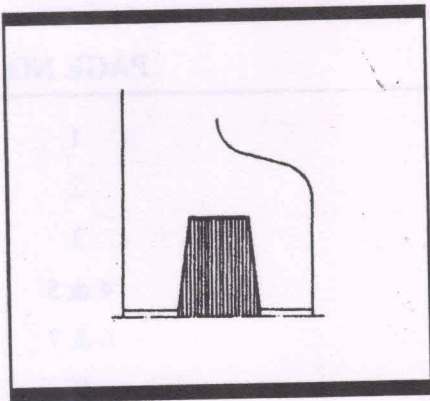


Fig. 1 - Felt Seals

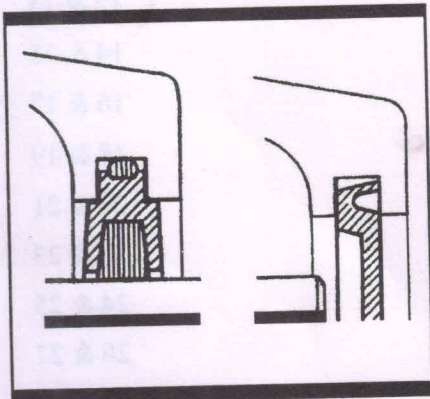


Fig. 1A - Labyrinth Seal & End Cover

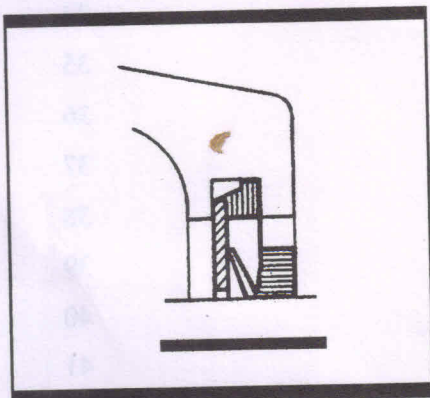


Fig. 2 - V-ring Seal

Seal Designation

Felt Seals : (1) FS XXX for SN housings where the digits following FS denote the length in mm. In SN housings, no separate suffix is used to denote felt seals (see fig. 1).

(2) TSNA XXXC for SNA housings denotes a set of 4 felt seals and 4 Aluminium split rings to be fitted in the housing end grooves (see fig. 1A). The digits are same as used in housing designation. Complete SNA Housing fitted with such seals will have a suffix TC, e.g. SNA 505 TC.

'V' Ring Seals : TSNA XXX A for SNA housings denotes a set of 2 'V' Ring seals and a pair of aluminium discs to be fitted in the housing end grooves (see fig. 2). The digits are same as used in housing designation.

Complete SNA housings-fitted with such seals will have a suffix, TA, e.g. SNA 509 TA.

Double Lip Seals : TSNA XXX G for SNA housings denotes a set of two double lip seals of polyurethane to be fitted in the housing end grooves (see fig. 3). The digits are same as used in housing designation.

Complete SNA housings fitted with such seals will have a suffix TG, e.g. SNA 509 TG.

Labyrinth Seals : (1) TS XX for SN/SD type housings to be fitted with bearings and adapter sleeves, denotes horizontal labyrinth seals complete with 'O' Rings to be fitted on the shaft under the housing end grooves (see fig. 4 & 4A).

The digits are the last two numbers in the bearing housing designation.

(2) TS XXX for SN housings to be used with bearings having cylindrical bore as well as SNA type housings.

The digits are same as used in housing designation.

Complete bearing housing designation for both the above cases will have a suffix TS., e.g. SD 3134TS.

(3) LER X or LER XX for SAF and SDAF type housings denoted horizontal type labyrinth seal to be fitted on the shaft under the housing end grooves (see fig. 4). In SAF and SDAF type housings no separate suffix is used to denote labyrinth seals.

Taconite Seals : TER or TER XX for SAF and SDAF type housings denotes Taconite Seals. These can be of two types :

(1) Contact Seal - No additional Suffix (see fig. 5).

(2) 'V' Ring Seal - TER XV or TER XXV (see fig. 6).

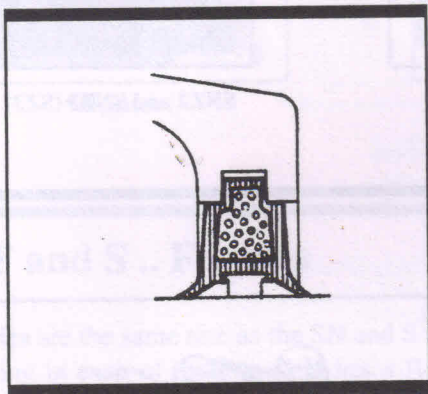


Fig. 3 - Double Lip Seal

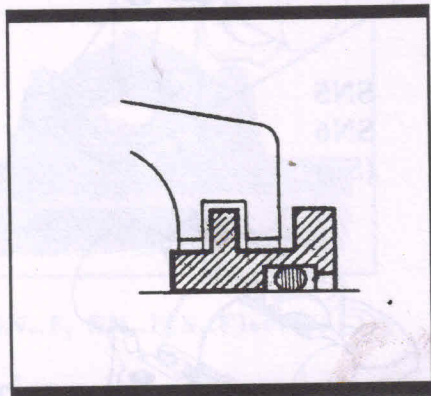


Fig. 4 - Labyrinth Seal

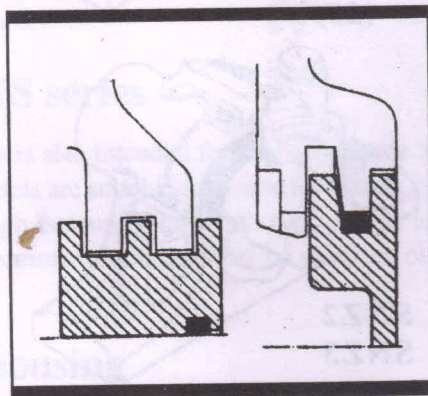


Fig. 4A - Labyrinth Seal & End Cover

Complete bearing housing designation when fitted with taconite seals of contact type will carry a suffix T e.g. SAF 517 T. Similarly, complete bearing housing designation, when fitted with taconite seals of 'V' ring type will carry a suffix TV, e.g. SAF 517 TV.

End Cover Designation :

For shaft ends, end covers are normally used in place of seals. For this, the following designations are used :

(1) ETS XX for SN/SD type housings suitable for bearings having tapered bore and mounted on adapter sleeves, denote a cover with 'O' Rings to be fitted in the housing end grooves (see fig. 1A). The digits will be same as for labyrinth seals. Complete bearing housing of SN type fitted with one end cover will have a suffix E, e.g. SN 509 E.

Complete bearing housing of SD type fitted with one end cover will have a suffix A before the suffix for seals, e.g. SD 3134 ATS.

(2) ETS XXX for SN type housings suitable for bearings having cylindrical bore, denote a cover with 'O' Rings to be fitted in the housing end grooves. The digits will be same as for housing designation.

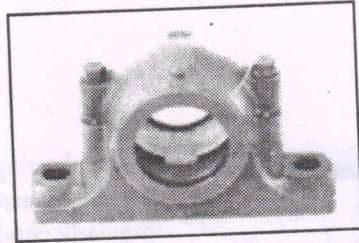
(3) ASNA XXX for SNA type housings denotes a cover to be fitted in the housing end groove. Complete bearing housing fitted with one end cover will have a suffix A before the suffix for seals, e.g. SNA 612 ATA.

(4) EPR X or EPR XX for SAF and SDAF type housings denotes a cover with 'O' Rings to be fitted in the housing end grooves.

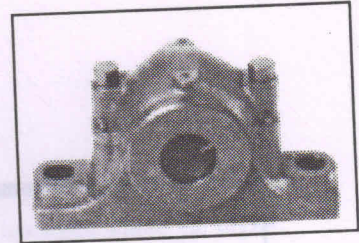
(5) End covers for SOFN/SBD series are not supplied as spares as they are part of the housing design. Housings of these series with one end closed will, however, be designated by a suffix 'A'.



SN5 and SN6 (S6) series



SN2 and SN3 (S3) series



SNZ2 and SNZ3 (SZ3) series

Features

Following are the classifications for plummer blocks for use with self-aligning ball bearings of roller bearings.

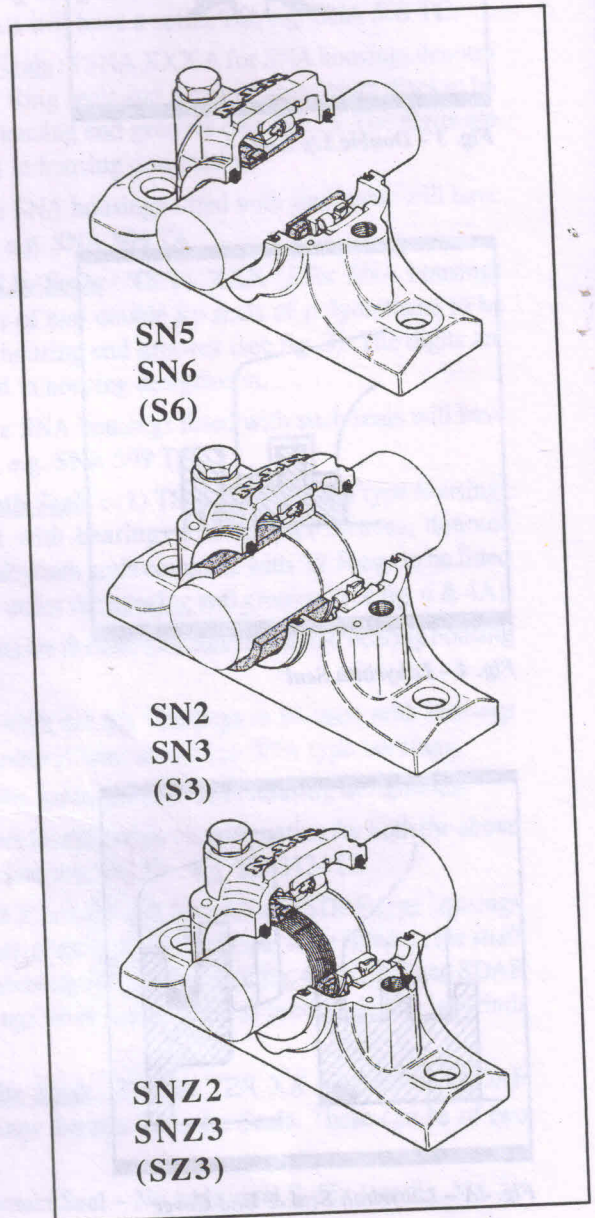
SN and S series

The SN5 and SN6 (S6) series are the most popular models have been widely used for many years.

The SN2 and SN3 (S3) series are the same basic size as the SN5 and SN6 (S6) series, respectively, but the bore sizes are different because the former series are constructed so that the bearing which has a cylindrical bore, is located on the shaft by means of a sleeve.

The SNZ2 and SNZ3 (SZ3) series are the same size as the SN2 and SN3 (S3) series, respectively. With these models, however, the bearing which as a cylindrical bore is fitted directly onto the shaft held by a nut; therefore, the bore diameter of the housing on the side of the shoulder and the side of the nut are different.

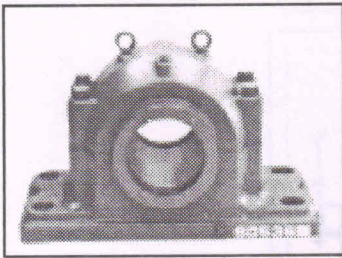
Plummer blocks of these series are lightweight yet extremely rigid, and can be easily installed using two bolts.



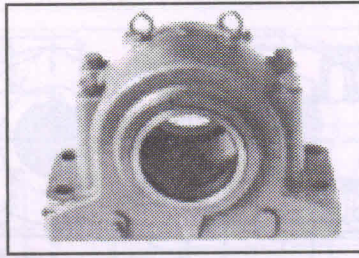
SN5
SN6
(S6)

SN2
SN3
(S3)

SNZ2
SNZ3
(SZ3)



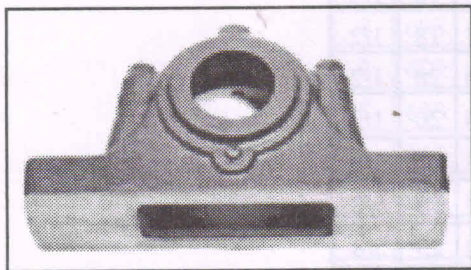
SD series



SD .. TS series

SN .. F and S .. F series

These series are the same size as the SN and S series. The housing in each of these models has a flat base to withstand heavier loads. These models do not have bolt holes, so users can drill two or four bolt holes, as desired, according to their own needs.



SN..F, SN..F(S..F)series

SD series

This series is suitable for use with heavy loads, and is primarily used with large-sized spherical roller bearings. The housing is provided with a double seal, four bolts and four bolt holes.

SD .. TS series

This series is also intended for use with heavy loads. These models are suitable for use at all speeds .. from low to very high because a labyrinth type seal is used. This type of plummer block can also be used for oil lubrication.

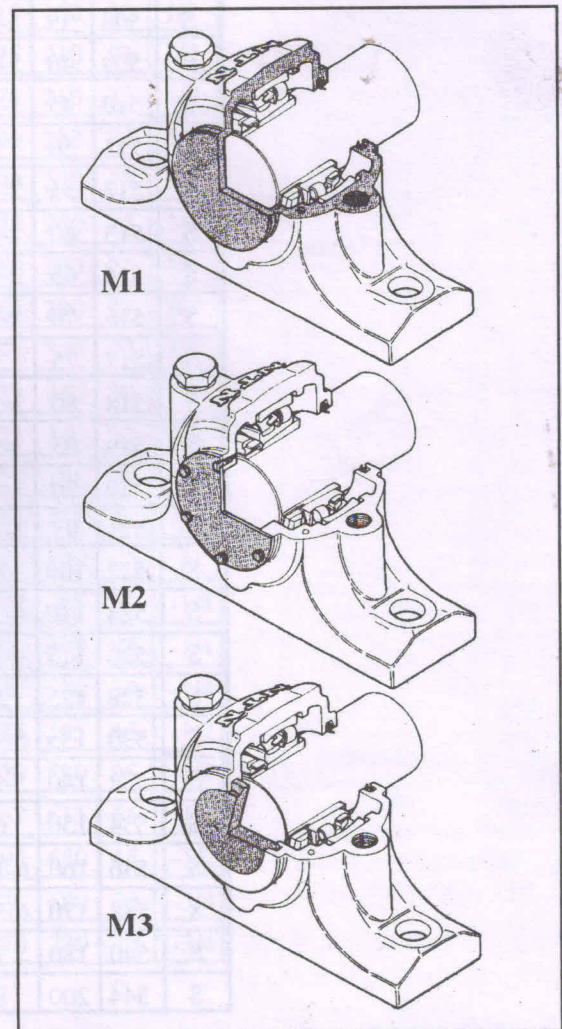
Split housing

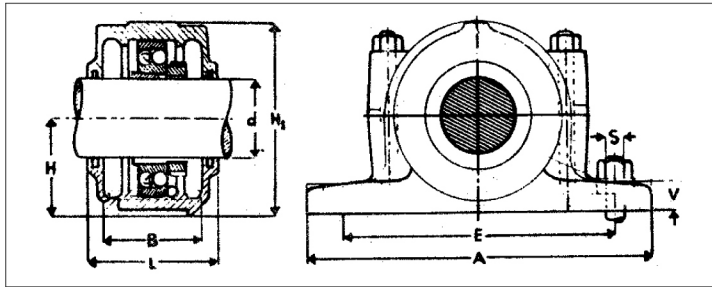
Caps and bases are manufactured from high grade, stress relieved cast iron ; but, when specified, they are produced from cast alloy steel.

Blind plummer block

A blind plummer block is usually used at the end of a shaft. Blind plummer blocks include :

- 1) Models with one end closed by casting **M1**
- 2) Models with one end closed by a steel plate **M2**
- 3) Models with one end closed by a blank cap fitted into the seal groove **M3**





Plummer Blocks : Series S. 500
(Suitable for Brg. No. 1200, 2200,
22,200 Series)

Housing No.		For Shaft Diameters (d)		Millimeters							Inch S
		mm	Inch	L	B	H	A	E	V		
S	505	20	3/4	62	52	40	165	125	12	1/2	
S	506	25	1	80	55	50	190	150	17	1/2	
S	507	30	1-1/8	82	52	50	190	150	18	1/2	
S	508	35	1-1/4	87	60	60	210	167	18	1/2	
S	509	40	1-1/2	90	60	60	220	170	20	1/2	
S	510	45	1-3/4	90	60	60	220	170	20	1/2	
S	511	50	2	95	66	70	270	213	20	5/8	
S	512	55	2-1/8	105	67	70	270	213	23	5/8	
S	513	60	2-1/4	110	80	80	290	230	25	5/8	
S	515	65	2-1/2	115	80	80	295	240	28	5/8	
S	516	70	2-3/4	120	90	95	330	260	27	5/8	
S	517	75	3	125	90	95	330	260	28	3/4	
S	518	80	3-1/8	130	97	100	360	290	29	3/4	
S	519	85	3-1/4	140	100	112	360	290	33	3/4	
S	520	90	3-1/2	150	110	112	400	320	33	3/4	
S	521	95	3-3/4	160	120	125	420	350	36	7/8	
S	522	100	4	160	120	125	420	350	36	7/8	
S	524	110	4-1/4	175	117	140	420	350	36	7/8	
S	526	115	4-1/2	190	128	150	455	385	40	7/8	
S	528	125	5	202	152	150	505	415	42	1-1/8	
S	530	135	5-1/4	210	158	160	540	445	50	1-1/8	
S	532	140	5-1/2	214	160	170	565	470	50	1-1/4	
S	534	150	6	252	170	180	625	520	50	1-1/4	
S	536	160	6-1/2	252	170	192	680	565	65	1-1/4	
S	538	170	6-3/4	255	190	200	710	580	60	1-1/2	
S	540	180	7	270	203	212	757	615	60	1-1/2	
S	544	200	8	285	220	240	830	680	70	1-3/4	