

SNLN 3000 SERIES BEARING HOUSINGS

SNLN 3000 Series can be considered as an extension of SNL 500 series which limits shaft diameter up to 110mm, whereas SNLN 3000 series goes beyond this shaft size. SNLN 3000 maintains all advantages of SNL 500 series as well as designed stronger enough for heavier bearing series 23024 to 23056. This series caters specific industrial demand for heavy bearing as compared to even SNL Large series housings for similar bearings. SNLN 3000 series supersedes the previous SN 30 series.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Design upgradation and construction of SNL 500 Series imparts this series more strength for heavier bearing series, 23024 to 23054. It's construction is well matched with foundry process which aims its best to produce zero defect castings. The hollow bottom base imparts suitable strength with two side ribs and one cross rib at the center which allows increased load carrying capacity.
- Among other characteristics, this housing is very stiff. This quality enables SNLN 3000 Series a preferred choice for heavier application. The special construction of SNLN 3000 also enables better heat dissipation through its walls.



SNLN 3000 SERIES BEARING HOUSINGS

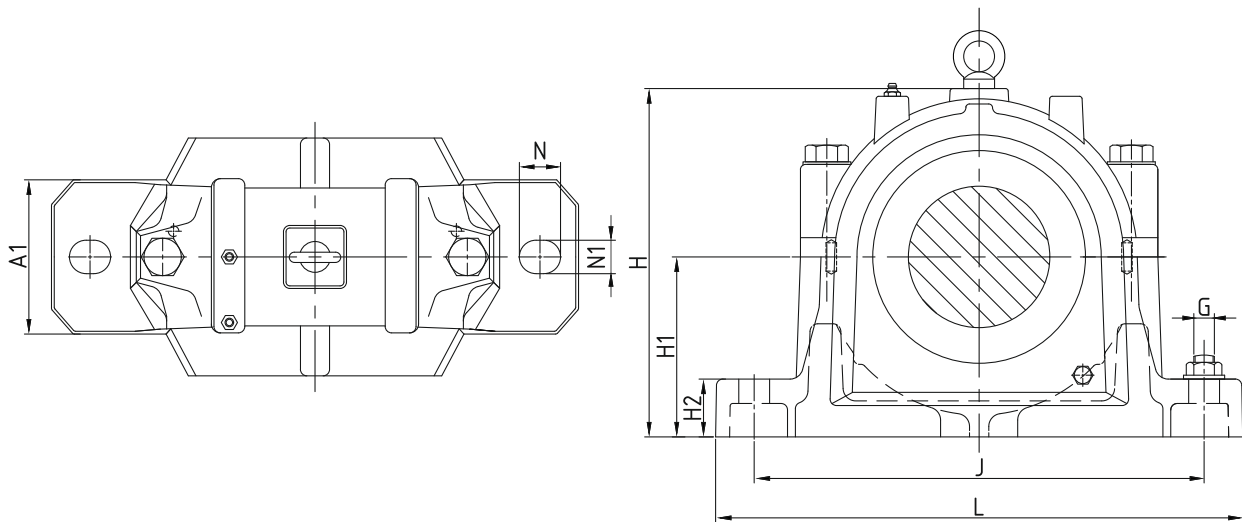


TECHNICAL DETAIL AND PRODUCT FEATURE

- SNLN 3000 Series is horizontally split type bearing housing which has advantage like ease during maintenance and also ease while changing of bearing.
- SNLN 3000 Housings, diameter 110 mm to 260 mm is the limiting range for use of 23,000 series bearing with adapter sleeve. And shaft diameter 120 mm to 280 mm for 23,000 series bearing with straight bore.
- For located bearing option in axial direction, the provision for locating ring is available two locating rings are used.
- SNLN 3000 Housings are suitable only for grease lubrication. A drain hole is provided to remove old grease during maintenance.
- Several dimples are provided on two pads on cap. Conveniently one or two grease nipples are provided on top for relubrication. Sensors for condition monitoring, (online vibration and temperature measurements) can be fitted as required.
- For SNLN 3000 Series a number of choices of seals are available:
 - ◆ Felt Seal : TC
 - ◆ Rubber V Seal : TA
 - ◆ Four Lip seal : TL
 - ◆ Labyrinth Seal : TS
 - ◆ Taconite Seal : ND (radial seal) and TNC (axial seal)
- The choice of multiple seal makes SNLN 3000 Series much superior to previous series, (superseded series SN 30). Starting from medium load and speed, SNLN 3000 can be selected for heavy duty and higher speed. It can also be used in dusty and hostile environments by using suitable seal which can protect bearing and lubricant efficiently. To much advantage Four Lip seal can be fitted to SNLN 3000 Series, which is highly effective seal to accommodate high speed application.
- It can be considered as an added advantage that Taconite seal can be used with SNLN 3000 Housing. A Taconite Seal is comprised of multiple sealing arrangements inside it. It is considered as the first choice for arduous conditions such as in mining industries.
- On one side at base there is provision of Drain Plug for removal of used grease.
- For shaft end option in housing assembly, provision for an End Cover is available. For identification, prefix A with seal designation is used, eg.
TA (V ring seal), ATA (i.e. V ring seal with one side end cover)
- Two-dimensional Series are available in SNLN 3000 Housings:
SNLN 3000- suitable for bearing with adapter sleeve.
SNLN 3000 - suitable for bearing with cylindrical bore.
- Material for SNLN 3000 Series:
The following options are available, which allow user to select his suitability depending upon the loading condition for bearing housing.
 - a. Graded Cast Iron : Gr FG 260 (IS 210)
 - b. Cast Steel : Gr 230-450 (IS 1030)
 - c. SG (Ductile) Iron : Gr 400/15 (IS 1865)
- In standard SNLN 3000 Housings two foundation slots are provided. However, there is an inbuilt provision for providing four foundation holes. Suitable dimples are available at base of casting. In case of specific requirement, four foundation holes can be drilled which gives additional rigidity to bearing housing installation. Such provisions are used where there is heavy vibration or severe loading on bearing housing.
SSNLND 30....MS1- Two foundation slots holes.
SSNLND 30...MS2 – Four Foundation slots holes (without keeping two foundation slots).
- The overall fitment dimensions of SNLN 3000 type conform to International standard ISO 113; 2010, making it readily adaptable universally.

SNLN 3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

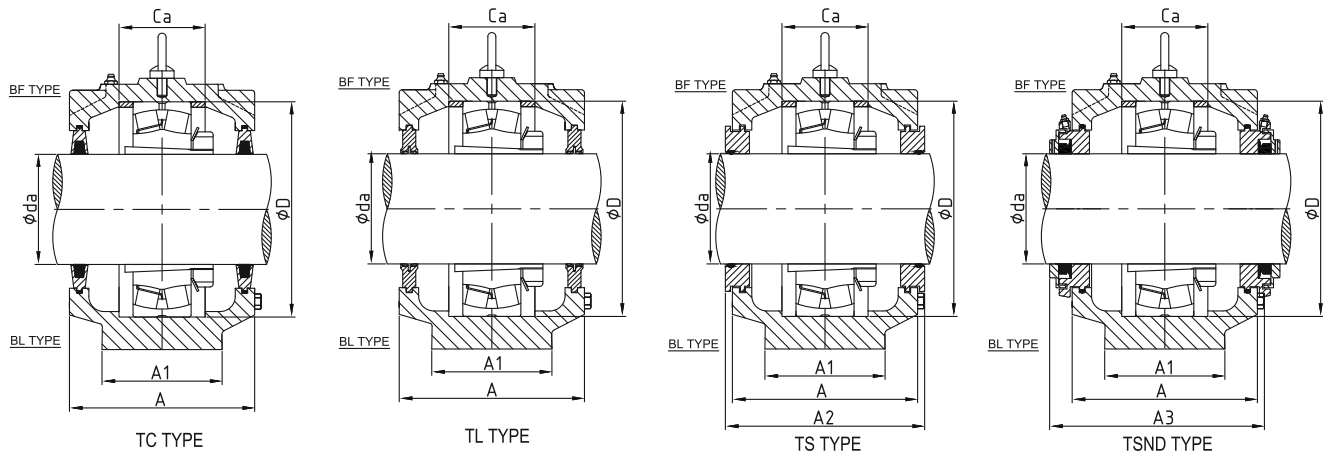


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft Dia da	Dimension in MM											
		A	A1	H	H1	H2	J	L	N	N1	G	A2	A3
SNLN 3024	110	160	110	218	112	40	320	380	32	26	24	160	240
SNLN 3026	115	175	120	242	125	45	350	410	32	26	24	175	245
SNLN 3028	125	175	120	270	140	45	350	410	32	26	24	175	255
SNLN 3030	135	190	130	290	150	50	380	445	35	28	24	190	265
SNLN 3032	140	190	130	297	150	50	390	460	35	28	24	190	270
SNLN 3034	150	210	160	322	160	60	450	530	42	35	30	230	266
SNLN 3036	160	225	160	342	170	60	470	550	42	35	30	245	280
SNLN 3038	170	235	160	347	170	60	470	550	42	35	30	255	290
SNLN 3040	180	240	170	368	180	60	515	610	42	35	30	265	295
SNLN 3044	200	260	190	403	200	70	580	690	50	42	36	285	315
SNLN 3048	220	270	200	423	210	75	610	720	50	42	36	295	355
SNLN 3052	240	290	220	475	240	80	680	820	70	48	42	312	374
SNLN 3056	260	300	230	496	250	80	720	860	70	48	42	325	384

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For Bearings with Adapter Sleeves



BF TYPE-Through Shaft, Located Bearing
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Shaft Dia da	Approx Weight KG	Bearing Seating		Eye Bolt	Appropriate Bearing	Adapter Sleeve	Locating Ring Size
		Ca	D				
110	17.5	70	180	-	23024 CCK/W33	H 3024	2 FRB 12/180
115	22.5	79	200	-	23026 CCK/W33	H 3026	2 FRB 13.5/200
125	30	79	210	M 10	23028 CCK/W33	H 3028	2 FRB 13/210
135	40	86	225	M 10	23030 CCK/W33	H 3030	2 FRB 15/225
140	41	90	240	M 10	23032 CCK/W33	H 3032	2 FRB 15/240
150	50.5	87	260	M 12	23034 CCK/W33	H 3034	2 FRB 10/260
160	58.5	94	280	M 12	23036 CCK/W33	H 3036	2 FRB 10/280
170	58.5	95	290	M 12	23038 CCK/W33	H 3038	2 FRB 10/290
180	76	102	310	M 12	23040 CCK/W33	H 3040	2 FRB 10/310
200	103	110	340	M 12	23044 CCK/W33	OH 3044 H	2 FRB 10/340
220	117	112	360	M 12	23048 CCK/W33	OH 3048 H	2 FRB 10/360
240	162	124	400	M 12	23052 CCK/W33	OH 3052 H	2 FRB 10/400
260	184	126	420	M 12	23056 CCK/W33	OH 3056 H	2 FRB 10/420