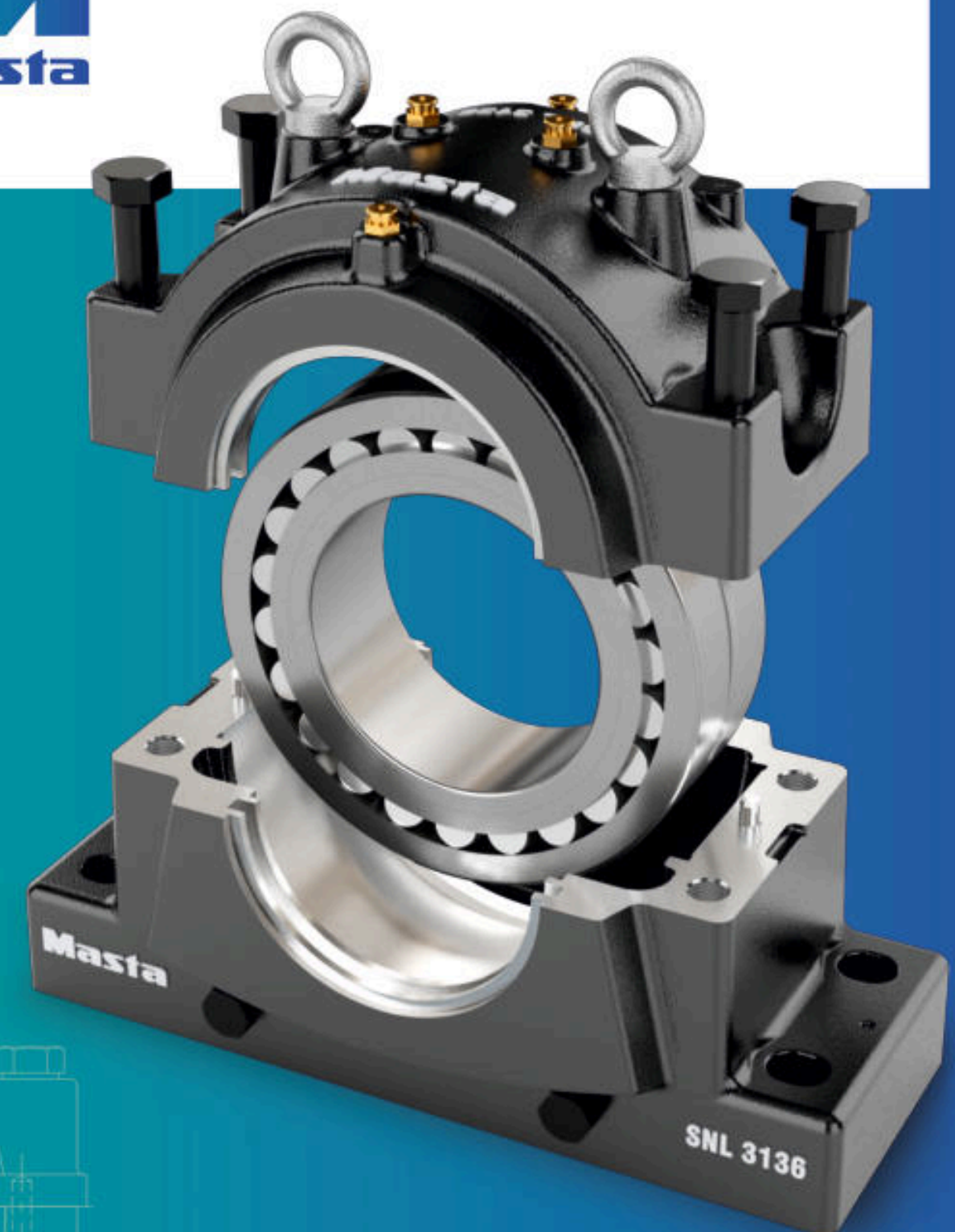




MASTA-GA-CAT-003



Shelter & Protect the Bearings



www.threedotdesigns.com

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CORPORATE VIDEOS



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CATALOGUE PDF

MASTA BEARING HOUSING

Disclaimer: Every care has been taken by us to ensure the accuracy of the data, technical information, drawings or sketches contained in this product catalogue, but no liability can be accepted for any error or omission, while using the technical contents given herewith, the users are advised to verify them for its latest version/updates thru media resources or otherwise at their end.

BEARING HOUSING CATALOGUE

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INTRODUCTION

For over seven decades, we, at MASTA GROUP, have been a leading and renowned manufacturer of Bearing Housing and Allied Accessories. Having through technical knowledge of the products and processes since its inception, Masta is backed with a state of art automatic plants and infrastructure to manufacture highly precise Bearing Housing. The journey of MASTA started by the freedom fighter. We being his successors and having patriotic nature, devotedly continued this journey, proudly contributing to 'MAKE IN INDIA' vision with high moral values and ethical standards.

This product catalogue contains detailed information about the completely popular range of MASTA Bearing Housings and its accessories. We have tried to include relevant data, which is usually helpful for customers during application and assembly in industries. For every series of Bearing Housing, a descriptive technical text is added, which will help user to select the housing judiciously matching his requirement in the field and decide on the suitability of bearing housing.

Bearing is a vitally important element for any industry; it is equally important to keep it running smoothly without any breakdown. To fulfill such an aspiration of a bearing user, a Bearing housing is very important element which provides precise fitting, perfect alignment, safe and sturdy support to the bearing along with appropriate lubrication.

Taking such expectations of a bearing user to the fullest extent, MASTA has organized state-of-art production facilities and a meticulous supply chain to provide customers the best quality bearing housing for industrial use.



MASTA INFRASTRUCTURE

MASTA has three production units, which are listed as under: The first unit is dedicated for automatic machining facilities, while the castings for bearing housing are produced two separate foundry units which are developed under MASTA facilities.

MASTA BEARING HOUSING, where variety of bearing housings are machined in own machining Unit which is fully equipped with CNC turning centers, VMC machines, CNC – VTLs and HMC machines, for uniformity and repeatability of product dimensions.

To supply superior products, at Masta, we used to optimize the standard product range of bearing housing, as well as develop new designs of bearing housing and accessories using 3D modeling software in our Design Development Cell equipped with a team of qualified and well-trained design engineers.

MASTA CASTING, the unit is fully automatic, operated by a DISA high pressure molding line along with a semi-automatic ARPA line having a production capacity of 1000 M.T. per month.

These facilities enable us to manufacture world class products having accuracy and aesthetics with equally important dimensional accuracy and excellent finish.

Over and above Bearing Housing and its Accessories, MASTA also manufactures a variety of Casting Components such as, Valves, Pump Body, Rotor Blade, Gear Box, Coupling, Agricultural Parts, High Chrome Parts, Manganese steel liner plates, Crusher Parts, Brake Drum etc..

MASTA ALLOY CASTING is a foundry unit which is equipped with fully automatic fast loop line (Omega type No-Bake resin sand plant) to manufacture the bearing housing, and component castings having production capacity of 600 M.T. per month. Masta Alloy is specialized for producing heavy-duty components and customized items.



STATE OF ART MANUFACTURING CAPABILITY

- We produce more than 25000 Bearing Housings Per month to cater the industrial requirements.
- At the Masta Pattern and Tooling department, we develop 3D models for patterns and develop match plate mounted metallic patterns and tooling on VMC/CNC/Router machines.
- We manufacture varieties of customized bearing housings as per specific application and customer drawing.
- There is modern in-house heat treatment facility available.
- Various castings can be produced in Graded Cast Iron, Ductile Iron / S. G. Iron, Cast Steel, Manganese Steel, Hi-Chrome and Alloy Steel.
- In-house conveyor-operated paint shop, which can ensure that every piece meets our stringent quality standard. We can also accommodate special colour requests and custom finishes, to give our customers flexibility.
- We adhere to strict environmental protocols, ensuring that our painting processes minimize waste and emissions. It also protect operator health & safety.



VISION

To be recognized as a globally known organization and build long-term relationships with our customers by manufacturing best-quality bearing housings on time, with exceptional customer service, at a competitive price while maintaining a safe, creative work environment.

MISSION

To be determined leading innovative & cost-effective manufacturers by providing excellent & reliable quality products and services in a good ethical manner, a strong customer-focused approach and the continual improvisation for quality enabled the company to attain and sustain leadership position.

HOW WE ADD VALUE TO OUR CUSTOMERS



Wide Range of Bearing Housing & its related Accessories



Outstanding Product Quality & Reliability



Competitive Market Price



Comprehensive Product Warranty



Superior Customized Solution



In-house state-of-art Manufacturing Facilities



Manufacturing of import substitution products like Fan Blades used for flue gas in thermal power plant.

THE FEATURES THAT MAKE US MARKET LEADERS

- Our Experience (Since 1946)
- Ultra-Modern Manufacturing Foundry Facilities
- Quality Control, Customization Support
- Global Export (30+ Countries)
- Technology Innovation and upgradation
- Clients Satisfaction, Efficiency & Reliability
- After Sales Services & Technical Support

ENVIRONMENT, HEALTH AND SAFETY

- In Masta, every process and activity is formed with specific attention to conserve environment, which is prime duty of every employee in Masta.
- Our Human Resource Department is active to continuously maintain safety and health norms in the company.
- Whole Masta workforce as a MASTA family in a cordial atmosphere at the workplace.

CERTIFICATION ISO 9001 | ISO 14001 | ISO 45001 | PED



QUALITY CONTROL & ASSURANCE

The MASTA group is certified with ISO 9001, 14001, 45001 and PED for Pressure Equipment.

The prime focus of MASTA is on its core strength of manufacturing a wide range of bearing housings through continual technological improvement, innovation and upgradation of infrastructural facilities, maintaining stringent norms of quality control with unparalleled customer service.

MASTA is maintaining growth-centric development with mass production and craves to be a world-leading brand (for beating the global leaders) through its QUALITY, CUSTOMER SERVICE & COMPETITIVE EDGE.

Product development is carried out by CAD engineer in Auto-CAD and 3D modelling. To keep pace with use of modern technology, Masta have been adopting improvement and innovation in production process and work methods.

A number of customers have accredited the quality system and its performance in Masta after quality audit of Masta by their independent team as a part of supplier-approval and appraisal. Masta has been successfully approved as a quality supplier in every instance of such a third-party audit.

- Dedicated team for Casting Inspection
- For critical products, in-house NDT facility
- Online testing of metal before metal pouring
- Stage wise inspection carried out as-per quality plan
- Modern in-house CMM machine to verify critical dimensions of product
- Precision instrument, gauges and fixtures for final product inspection
- For critical products customer witness organised as-per request
- For traceability of product quality records are well maintained as-per our quality norms



Plummer Block Selection

Plummer blocks suitable for bearing with adaptor sleeves
SN, SNA, SNH, SNL SAF, SDAF, SD Series

Bearing Series	Plummer Blocks Designation For Material Of Construction			Standard shaft seals available						
	Cast Iron	Cast Steel	S.G.Iron	Felt Strips	Felt Collar	V-Ring Seal	Double Lip Seal	Four Lip Seal	Labyrinth Seal	Taconite Seal
1200K, 2200K, 22200CCK, 23200CCK	SN 500	SSN 500	SND 500	FS	--	--	--	--	--	--
	SNA 500	SSNA 500	SNAD 500	--	TC	TA	--	TL	TS	TSND
	SNH 500	SSNH 500	SNHD 500	--	TC	TA	--	TL	TS	TSND
	SNL 500	SSNL 500	SNLD 500	--	TC	TA	--	TL	TS	TSND
	SAF 500	SAFS 500	SAFD 500	--	--	--	--	--	TS/LER	TER
1300K, 2300K, 22300CCK, 21300CCK	SN 600	SSN 600	SND 600	FS	--	--	--	--	--	--
	SNA 600	SSNA 6500	SNAD 600	--	TC	TA	TG	--	TS	TSND
	SNH 600	SSNH 600	SNHD 6500	--	TC	TA	TG	--	TS	TSND
	SNL 600	SSNL 600	SNLD 600	--	TC	TA	TG	--	TS	TSND
	SAF 600	SAFS 600	SAFD 600	--	--	--	--	--	TS/LER	TER
23100 CCK	SD 3100	SDT 3100	SDD 3100	--	--	--	--	--	TS	TNF
	SD 3100	SDT 3100	SDD 3100	--	--	--	--	--	TS	TNF
23000 CCK	SD 3000	SDT 3000	SDD 3000	--	--	--	--	--	TS	TNF
	SD 3000	SDT 3000	SDD 3000	--	--	--	--	--	TS	TNF
23200 CCK	SD 3200	SDT 3200	SDD 3200	--	--	--	--	--	TS	TNF
22200 CCK	SD 500	SDT 500	SDD 500	--	--	--	--	--	TS	TNF
22300 CCK	SD 600	SDT 600	SDD 600	--	--	--	--	--	TS	TNF

Plummer blocks suitable for straight bore bearing
SN, SNA, SNH, SNL SAF, SDAF, - 200/300 SD30_G, SD31_G Series

Bearing Series	Plummer Blocks Designation For Material Of Construction			Standard shaft seals available						
	Cast Iron	Cast Steel	S.G.Iron	Felt Strips	Felt Collar	V-Ring Seal	Double Lip Seal	Four Lip Seal	Labyrinth Seal	Taconite Seal
1200, 2200, 22200CC, 23200CC	SN 200	SSN 200	SND 200	FS	--	--	--	--	--	--
	SNA 200	SSNA 200	SNAD 200	--	TC	--	--	--	TS	TSND
	SNH 200	SSNH 200	SNHD 200	--	--	--	--	--	TS	TSND
	SNL 200	SSNL 200	SNLD 200	--	--	--	--	--	TS	TSND
	SAF 200	SAFS 200	SAFD 200	--	--	--	--	--	TS/LER	TER
1300, 2300, 22300CC, 21300CC	SN 300	SSN 300	SND 300	FS	--	--	--	--	--	--
	SNA 300	SSNA 300	SNAD 300	--	TC	--	--	--	TS	TSND
	SNH 300	SSNH 300	SNHD 300	--	--	--	--	--	TS	TSND
	SNL 300	SSNL 300	SNLD 300	--	--	--	--	--	TS	TSND
	SAF 300	SAFS 300	SAFD 300	--	--	--	--	--	TS/LER	TER
23100 CC	SD 3100 G	SDT 3100 G	SDD 3100 G	--	--	--	--	--	TS/LER	TER
	SD 3100 G	SDT 3100 G	SDD 3100 G	--	--	--	--	--	TS/LER	TER
23000 CC	SD 3000 G	SDT 3000 G	SDD 3000 G	--	--	--	--	--	TS/LER	TER
	SD 3000 G	SDT 3000 G	SDD 3000 G	--	--	--	--	--	TS/LER	TER
23200 CC	SD 3200 G	SDT 3200 G	SDD 3200 G	--	--	--	--	--	TS/LER	TER

Equivalent International Standards



Standard Material	Indian Standard Grade	ISO Code	American A.S.Code	DIN	Tensile Strength	Yield Stress	% Elongation	Hardness (BHN)
Cast Iron	FG:200 of IS:210	Grade 200 (FC:200)	ASTM-A48 Class-30A	DIN 1691 GG20	200 Mpa	N.A	N.A	160-220
Cast Iron	FG:260 of IS:210	Grade 260 (FC:260)	ASTM-A48 Class-35A	DIN 1691 GG25	260 Mpa	N.A	N.A	180-230
Cast Iron	FG:300 of IS:210	Grade 300 (FC:300)	ASTM-A48 Class-40A	DIN 1691 GG30	300 Mpa	N.A	N.A	180-230
S.G.Iron (Ductile Iron)	Gr:400/15 of IS:1865	-	ASTM A536-84 60-40-18	DIN 1693 GGG:40	400	250	15	130-180
	Gr:450/10 of IS:1865	-	ASTM A536-84 65-45-12	-	450	310	10	160-210
	Gr:500/7 of IS:1865	Gr:500/7	ASTM A536-84 70-50	DIN 1693 GGG:50	500	320	7	160-240
	Gr:600/3 of IS:1865	-	ASTM A536-84 80-60-3	DIN 1693 GGG:60	600	370	3	90-230
	Gr:700/2 of IS:1865	-	ASTM A536-84 100-70-3	DIN 1693 GGG:70	700	420	2	245-335
Cast Steel	Gr:230-450 of IS:1030	ISO-R/185	ASTM A-27 65-35	DIN 1681 GS-45	450	230	22%	N.A
	Gr:280-520 of IS:1030	-	ASTM A-27 70-36	DIN1681 GS-52.3	520	280	18%	N.A

Spheroidal Graphitic Iron (Ductile Iron)

Various Grade of S.G.Iron Castings

IS 1865	Ultimate Tensile Strength (Mpa)	Minimum 0.2% Proof Stress (Mpa)	Elongation %	Hardness	Ferrite	Pearlite
SG:900/2	900	600	2	280-335	> 20%	> 80%
SG:800/2	800	480	2	245-335	> 20%	> 80%
SG:700/2	700	420	2	225-305	> 20%	> 80%
SG:600/3	600	370	3	190-230	50%	50%
SG:500/7	500	320	7	160-240	50%	50%
SG:450/10	450	310	10	160-210	> 80%	> 20%
SG:400/15	400	250	15	130-180	> 80%	> 20%
SG:400/18	400	250	18	130-180	> 80%	> 20%
SG:350/22	350	220	22	150	> 80%	> 20%

Cast Steel Castings Optional Tests

Optional Non-Destructive Tests (On Specific order only)	Acceptance Standards	
Acceptance Standards	IS STANDARDS	ASTM
Ultrasonic Testing Inspection (UTI)	IS-9565	A-609
Magnetic Particle Imaging Test (MPI)	IS-10724	E-1444
Liquid/Dye Penetration Test (DP Test)	IS-11732	E-1417
Radiographic Testing Inspection (RT)	IS-2938	E-446

Accessories

Accessories	Symbol	Materials
Hexagonal Bolts	M	Carbon Steel AISI-1010/8.8 Gr or 10.9 Gr
Felt Strip	FS	(0.25 g/cm ³ Density) Compressed Wool
V-Ring	TA	NBR
V-Ring Seal Kit	TSNA-A	V-Ring NBR, Washer with NBR Lipped Metal (Galvanized M.S. plate)
Laby Seal	TS/LER	Cast Iron/Aluminium
Double Lip Seal	TSN-G	Polyurethane - Half Rings
Four Lip Seal	TSN-L	Thermoplastic Elastomer - Half Ring
Locatings Rings	FRB	Zinc Plated M.S. Rings
Taconite Seal Kit	ND/NC/TER	Cast Iron / S.G. Iron
Felt Seal Kit	TSNA-C	Aluminium Body Felt Strip, rubber o' card
End Cover	ASNA-	C.I./M.S. With NBR Lip, G.I.
Eye Bolt	-	(Forged) Steel AISI-1010

Masta Bearing Housings can be supplied with following additional accessories on order Drain Plugs, Continuous Lubrication System, Provisions for R.T.D., V.M.S., Automatic Grease Lubricator.

Tolerance for Bearing Housing



Permissible Deviations on
Untoleranced Dimensions of Grey Iron Castings
Class-3 as per IS:5519

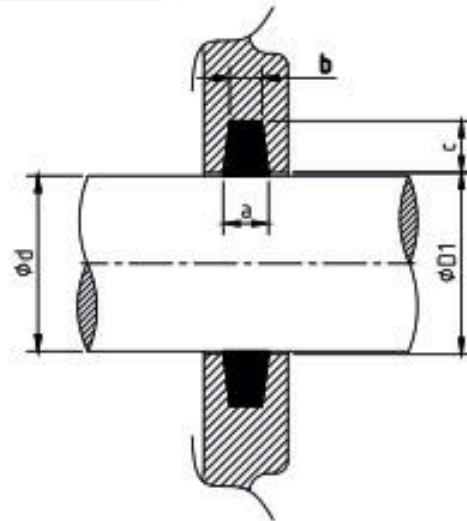
Nominal Dimension (over-incl)	up to 30mm	30 to 180	180 to 500	500 to 800	over 800mm
Deviation (mm)	± 0.6	± 1	± 2	± 3	± 4

Casting Tolerances					
Length (mm)	1-100	100-200	200-400	400-800	800-1600
Tolerance (mm)	± 1.5	± 2.0	± 3.0	± 4.0	± 5.0

Machining Tolerances (Unit:0.0001mm)	
Housing Bore	H7/H8
Bearing Sit Width	H13
Shaft Opening (Shaft Seal ID)	H12
Half Center	js11

Nominal Size In mm Over-Incl.	Limits of Tolerance (in 0.001 mm)							
	H7	H8	js11	H12	h12	H13	h13	G7
10mm-18mm	+ 18 - 0	+ 27 - 0	± 55	+ 180 - 0	+ 0 - 180	+ 270 - 0	+ 0 - 270	+ 24 + 6
18mm-30mm	+ 21 - 0	+ 33 - 0	± 65	+ 210 - 0	+ 0 - 210	+ 330 - 0	+ 0 - 330	+ 28 + 7
30mm-50mm	+ 25 - 0	+ 39 - 0	± 80	+ 250 - 0	+ 0 - 250	+ 390 - 0	+ 0 - 390	+ 34 + 9
50mm-80mm	+ 30 - 0	+ 46 - 0	± 95	+ 300 - 0	+ 0 - 300	+ 460 - 0	+ 0 - 460	+ 40 + 10
80mm-120mm	+ 35 - 0	+ 54 - 0	± 110	+ 350 - 0	+ 0 - 350	+ 540 - 0	+ 0 - 540	+ 47 + 12
120mm-180mm	+ 40 - 0	+ 63 - 0	± 125	+ 400 - 0	+ 0 - 400	+ 630 - 0	+ 0 - 630	+ 54 + 14
180mm-250mm	+ 46 - 0	+ 72 - 0	± 145	+ 460 - 0	+ 0 - 460	+ 720 - 0	+ 0 - 720	+ 61 + 15
250mm-315mm	+ 52 - 0	+ 81 - 0	± 160	+ 520 - 0	+ 0 - 520	+ 810 - 0	+ 0 - 810	+ 62 + 17
315mm-400mm	+ 57 - 0	+ 89 - 0	± 180	+ 570 - 0	+ 0 - 570	+ 890 - 0	+ 0 - 890	+ 75 + 18
400mm-500mm	+ 63 - 0	+ 97 - 0	± 200	+ 630 - 0	+ 0 - 630	+ 970 - 0	+ 0 - 970	+ 83 + 20
500mm-630mm	+ 70 - 0	+ 110 - 0	± 220	-	-	-	-	+ 92 + 22
630mm-800mm	+ 80 - 0	+ 125 - 0	± 250	-	-	-	-	+ 104 + 24
800mm-1000mm	+ 90 - 0	+ 140 - 0	± 280	-	-	-	-	+ 116 + 26

Felt strips suitable for SN series



Shaft Dia d	FS NO.	Diameter D1	a	b	c
20	110	21	4.2	3	5
25	190	26	5.5	4	6
30	190	31	5.5	4	6
35	190	36	5.5	4	6
40	190	41	5.5	4	6
45	190	46	5.5	4	6
50	260	51	7	5	8
55	260	55	7	5	8
60	260	61	7	5	8
65	260	66	7	5	8
70	330	71.5	8.2	6	9
75	330	76.5	8.2	6	9
80	330	81.5	8.2	6	9
85	330	86.5	8.2	6	9
90	370	92	9.5	7	10
100	460	102	11	8	12
110	460	112	11	8	12
115	460	117	11	8	12
120	460	122	11	8	12
125	510	127	12.4	9	14
130	510	132	12.4	9	14
135	510	137	12.4	9	14
140	680	142	13.9	10	16
145	680	147	13.9	10	16
150	680	152	13.9	10	16
155	680	157	13.9	10	16
160	680	162	13.9	10	16
165	680	167	13.9	10	16
170	680	172	13.9	10	16

Common Abbreviation for Bearing Housing



CI-CAST IRON

CS-CAST STEEL

S.G.IRON-DUCTILE IRON

AF-ONE SIDE END COVER AND LOCATED BEARING

AL- ONE SIDE END COVER AND NON-LOCATED BEARING

BF-BOTH SIDE OPEN AND LOCATED BEARING

BL-BOTH SIDE OPEN AND NON-LOCATED BEARING

TS-LABYRINTH SEAL ON BOTH SIDE

ATS-ONE SIDE END COVER AND LABRINTH SEAL ON OTHER SIDE

TG-DOUBLE LIP SEAL ON BOTH SIDE

ATG-ONE SIDE END COVER AND DOUBLE LIP SEAL ON OTHER SIDE

TA-V RING SEAL ON BOTH SIDE

ATA-ONE SIDE END COVER AND V RING SEAL ON OTHER SIDE

TC-FELT SEAL ON BOTE SIDE

ATC-ONE SIDE END COVER AND FELT SEAL ON OTHER SIDE

2H-TWO FOUNDATION SLOTS

4H-FOUR FOUNDATION SLOTS

LR-LOCATING RING

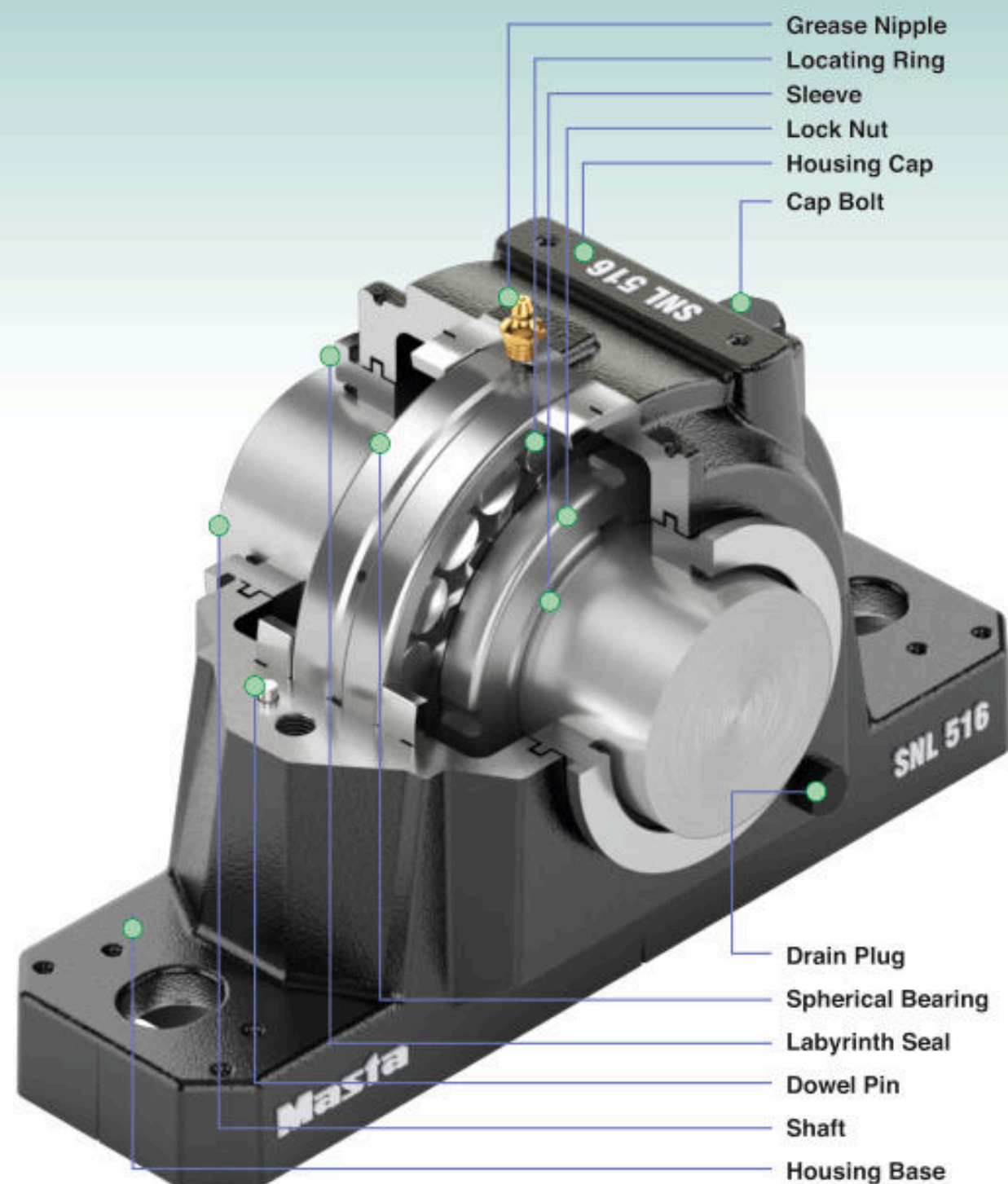
W/O LR- WITHOUT LOCATING RING

G-SUITABLE FOR STRAIGHT BORE BEARING

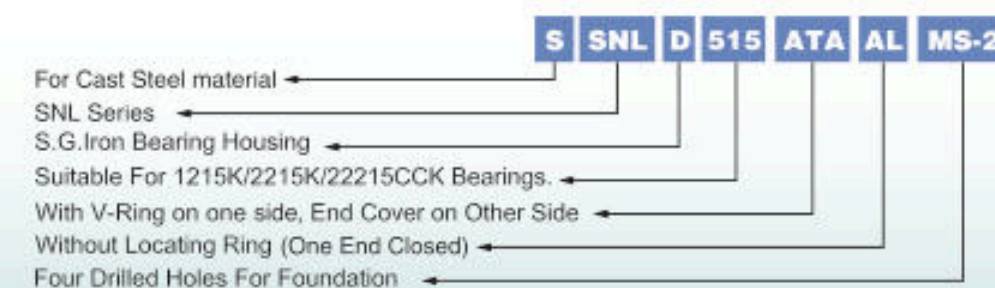
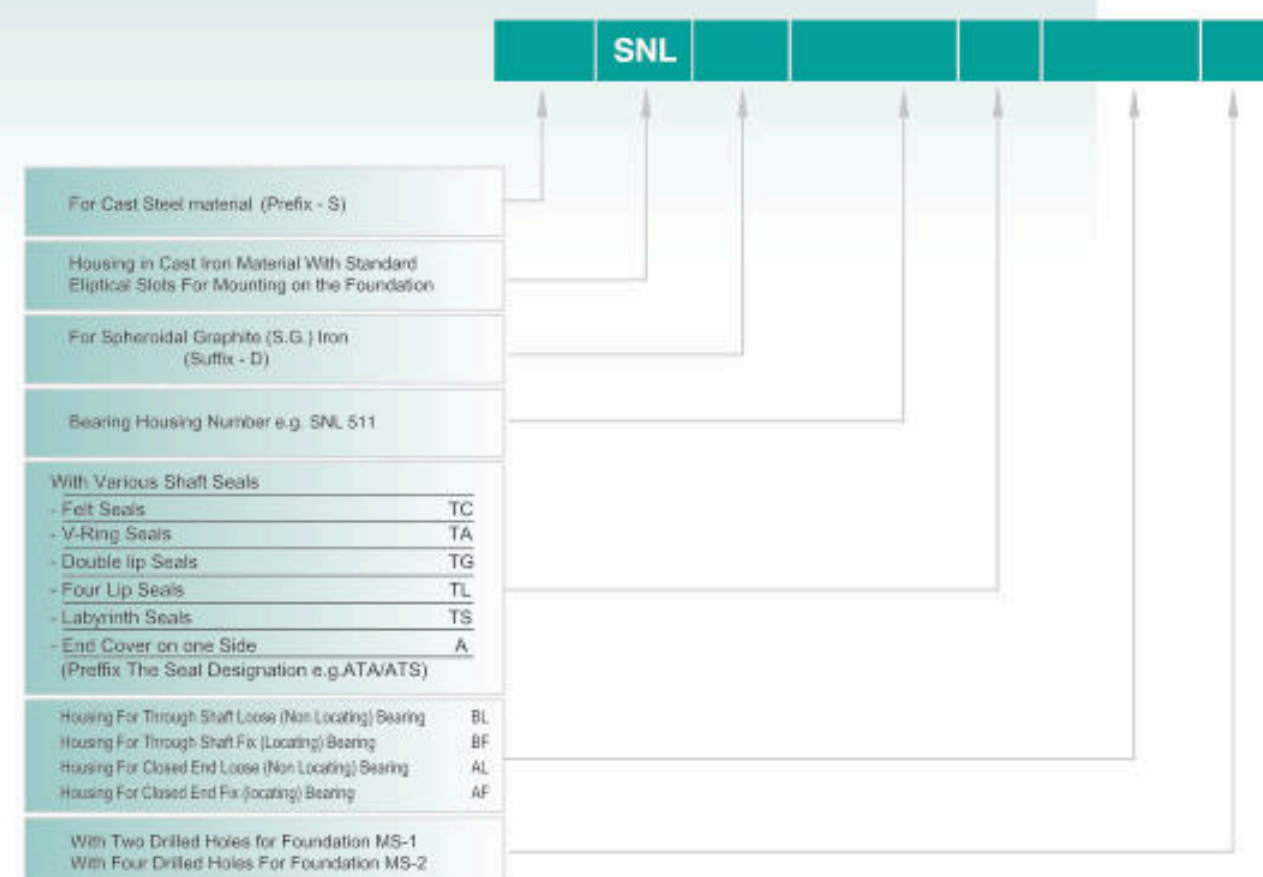
TL-FOUR LIP SEAL ON BOTH SIDE

LER-LABYRINTH SEAL ON BOTH SIDE

TER-AXIAL TACONITE SEAL



Housing Selection Chart



SELECTION OF APPROPRIATE SEAL FOR BEARING HOUSING

IMPORTANCE

For efficient working of a bearing housing, its seal plays a very important role. A few main benefits of seal are:

- It protects bearing and helps in increasing life of a bearing by stopping ingress of dirt, moisture and foreign particle which can enter in housing and spoil the quality of lubricant.
- Also works as barrier to lubricant flowing out of the bearing housing during running of shaft and bearing.
- It increases the life of bearing and provides trouble free running of bearing and assembly.

Hence it is very important to select and use proper and efficient seal for a bearing housing. Wrong seal can prove very hazardous for bearing and assembly.

TYPE OF SEALS:-

1. Felt seal:
 - a. Simple felt strip/ cord, FS or
 - b. Felt hold in Aluminum half rings, TC
2. V Ring Seal
3. Four Lip Seal
4. Labyrinth Seal
5. Taconite Seal
 - a. Radial Labyrinth
 - b. Axial Labyrinth

Over and above, there are Special Seals also in use, which are developed as per application and requirement up on demand.

PARAMETERS FOR SELECTION OF A SEAL

In general, the following parameters are required to be considered while selecting a seal:

1. Type of Lubricant (Grease or Oil)
2. Operating Speed (i.e. Peripheral Speed of shaft in meter/sec)
3. Possible level of contamination at site
4. Possibility of misalignment of shafts with reference to housing
5. Operating temperature of bearing
6. Environmental temperature of surrounding
7. Type of service, continuous (round the clock) or intermittent (periodic)
8. Environmental condition, presence of moisture, humidity, dusty atmosphere, fine particle in air (like in coal mining or cement plant) or metal chips etc.
9. Possibility of splashing of water or liquid on housing assembly
10. Outdoor application or indoor application
11. Exposure to direct Sun light and heat
12. Ease of maintenance required and frequency of possible plant shutdown for maintenance.

SEAL SELECTION

FELT SEAL (FS/TC)

There are two versions.

- a Felt Strip, FS:
- b Felt held in Aluminum Half Ring, TC with O'Cord
- c Felt seal is simple and very effective for general applications. It is a contact type seal which rubs on the shaft.

Selection Criteria:

1. It is effective only when grease lubrication is used.
2. A felt seal can be selected when max. circumferential speed of the shaft up to 4 meter/sec.
3. For the SN series, FC, the simple loose felt strip is selected.
For SNA, SNH & SNL series, TC felt seal is selected, which is two held aluminum rings in which the felt strip is put. O'Cord is put in groove over the aluminum rings for proper fitment of TC seal in the housing.
4. Felt strip should be cut to correct length; it is soaked in hot oil for a few minutes before putting it in sealing groove in the housing.
5. Applicable temperature range for felt seal is -40°C to +100°C.
6. Felt Seal can be used upto max. misalignment of shaft by 0.5°.
7. It is advisable to change Felt seal during each 3 to 6 month maintenance cycle.



FOUR LIP SEAL (TL)

Four Lip seal TL is very efficient when shaft speed increases upto 13 meter/sec. Compared to two lip seal TG, the four-lip seal is much superior and robust in service. It has four lips to control leakage of lubricant. It is made from a special thermoplastic elastomer, which provides required flexibility along with rigidity for its operation.

Selection Criteria:

1. The Four Lip seal is selected when shaft speed is very high and yet a greater degree of performance is expected for sealing.
It can accommodate circumferential speed of shaft upto 13 meter/sec.
2. It can be used for grease or oil lubrication in bearing housing.
3. The Four Lip seal is a split seal, so they can be easily installed in the housing.
4. For Four Lip seal, permissible angular misalignment so shaft dia. $\leq 100\text{mm}$ is about 1°.
For larger diameter of shaft the axial misalignment permissible is 0.5°.
5. Four Lip seal selection is much preferred because axial shaft shift relative to housing is not limited in this seal.
6. For Four Lip seal, the limiting temperature range is between -40°C to + 100°C.



SEAL SELECTION

V RING SEAL (TA)

V Ring Seal is composed of one V Ring of neoprene/nitrile rubber and a round steel sheet sealing washer which is vulcanized with rubber. The size of this washer sheet fits well into the sealing groove in the bearing housing. And the V Ring seal sits tightly on the shaft, whereas its lip securely touches the steel sheet

Selection Criteria:

- 1 V Ring Seal is selected for housing with grease or oil lubrication.
- 2 V Ring seal can be used for maximum circumferential speed of shaft up to 7 meter/sec very conveniently.
- 3 In case the Circumferential speed of shaft exceeds its limit by 7 meter/sec to 12 meter/sec, the V Ring seal should be located axially on the shaft.
- 4 For further circumferential speed of shaft, above 12 meter/sec a supporting ring must be put to prevent the lifting of V Ring seal. However, please note that for housing size 205 to 211 and 306 to 314 this seal cannot be used with a supporting ring. Hence V Ring is not suitable for these housing sizes at such speed and not suitable for operating speed above 7 meter/sec.
- 5 V Ring seal can permit angular misalignment is 1.5 degree for shaft diameter 50 mm. Further shaft dia ≥ 150 mm, the misalignment up to 1 degree is permissible.
- 6 While selecting V Ring Seal, please note following limits of Axial shift allowed :
Axial shift of shaft by ± 1 mm up to shaft Dia 65mm
Axial shift of shaft by ± 1.2 mm up to shaft Dia 100mm
Axial shift of shaft by ± 1.5 mm up to shaft Dia larger than 100mm
- 7 The limiting temperature range while selecting V Ring seal is -40°C to $+100^{\circ}\text{C}$

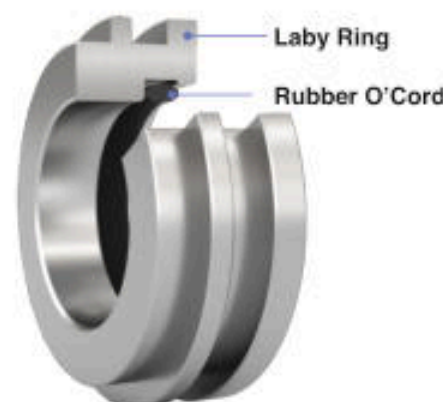


LABYRINTH SEAL (TS)

Labyrinth seals are very efficient and reliable one for the application where higher speed as well as higher temperature is the criteria. Labyrinth seal is basically metallic ring seal having two rectangular shape steps arranged radially on its outer diameter. The inner step of seal groove in the housing and the steps of Labyrinth seal form a gap when assembled. These gap forms a labyrinth where in grease is filled for free movement as well act as barrier for lubricant from the housing.

Selection Criteria:

- 1 Labyrinth Seal, TS can be selected for smaller bearing housing as well as large bearing housing. It is available for shaft size 20mm to 140 mm (e.g. for SN, SNA, SNH, SNL)and for further bigger shaft dia 150mm onwards also(e.g. for SD, SDJ, SBD, THD, SAF, Large SNL etc.).
- 2 It has wide application for variety of bearing series which are used in application where speed is high and bearing temperature is also high.
- 3 Labyrinth seal can be selected for operating temperature from $+50^{\circ}\text{C}$ to $+200^{\circ}\text{C}$
- 4 While selecting Labyrinth seal it is very important to check the possibility of angular misalignment of shaft for smooth running of bearing housing. Labyrinth seal can accommodate angular misalignment of shaft only upto 3° .
- 5 It is important to note that in case of Labyrinth seal the axial movement of shaft with respect to housing, is not limited. The Labyrinth seal is held on the shaft by O'Cord and still allows freedom for movement under load, however it holds the shaft securely to rotate with it.
- 6 For specific applications, Labyrinth seal can be provided from Aluminum material instead of cast iron or cast steel.



TACONITE SEAL

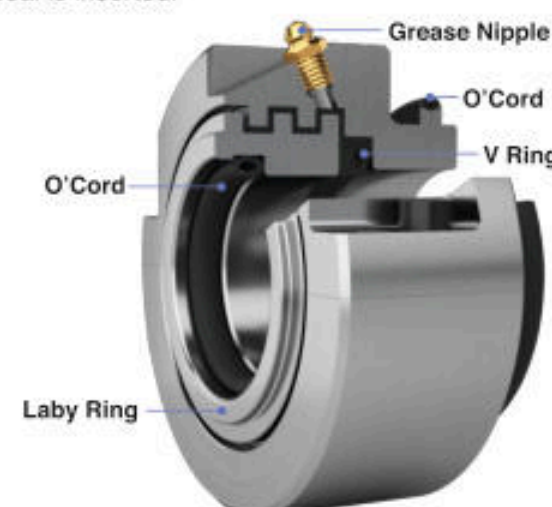
There two varieties

a) Radial seal b) Axial seal

Taconite seal is a heavy duty seal which is the widely preferred in Industries for application having arduous operating and surrounding conditions. Taconite seal is developed by using multiple sealing elements like modified Labyrinth seal, V seal, Grease as seal and also in some cases felt seal put together to act as one unit.

RADIAL TACONITE SEAL

It has one non rotating ring which is supported in housing. A radial labyrinth seal sits on the shaft held fit by using O'Cord. Its radial steps fit well inside the groove of non-rotating ring. In between the two, a V Ring seal is inserted.



AXIAL TACONITE SEAL (TNC)

1. The other version of Taconite seal is having Labyrinth stages arranged axially instead of radially. It is re-lubricated through lubricating holes and grease nipple fitted in the housing cap.
2. While selecting Axial Taconite seal, it is important to note that the axial shift of shaft relative to housing is very limited, only few mm.
3. The permissible misalignment of the shaft relative to housing for Axial Taconite seal is about 0.5° .
4. For Axial Taconite seal, the limiting operative temperature range is -40°C to $+250^{\circ}\text{C}$.

The Labyrinth seal and V Ring seal rotates with the shaft. The Labyrinth steps of seal are filled with grease to use it as barrier for fine particle. A grease nipple is provided for re-greasing purpose.

1. Taconite seal is selected mainly for arduous and fine dusty environment like in mining services, coal handling units etc. where fine grained material becomes difficult to seal against them and protect bearing and lubricants.
2. Taconite seal is very effective when there is very fine grained particle which is extremely difficult to handle by standard or usual seal.
3. For bearing application which has to operate under very arduous service conditions, the Taconite seal is the first choice for industries. It is designed for heavy duty services and it is widely used for such requirement in the field.
4. Taconite seal can allow angular misalignment of shaft upto 0.5° .
5. The permissible operating temperature range for Taconite seal is in range of -40°C to $+100^{\circ}\text{C}$
6. The axial shift of the shaft relative to housing is limited to ± 1 mm for shaft diameter up to 65mm and further ± 1.2 mm for larger shaft diameter.



SN SERIES BEARING HOUSINGS

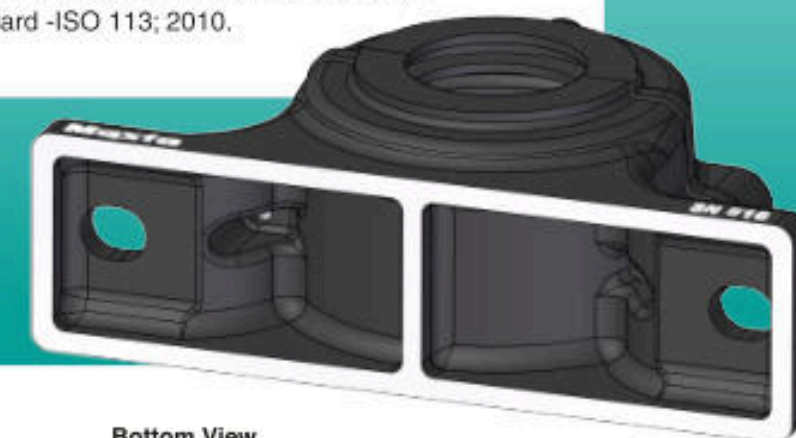
SN Series bearing housing is an economical choice for moderate load and speed requirements. This series is considered as basic design in service since many decades.



SN SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

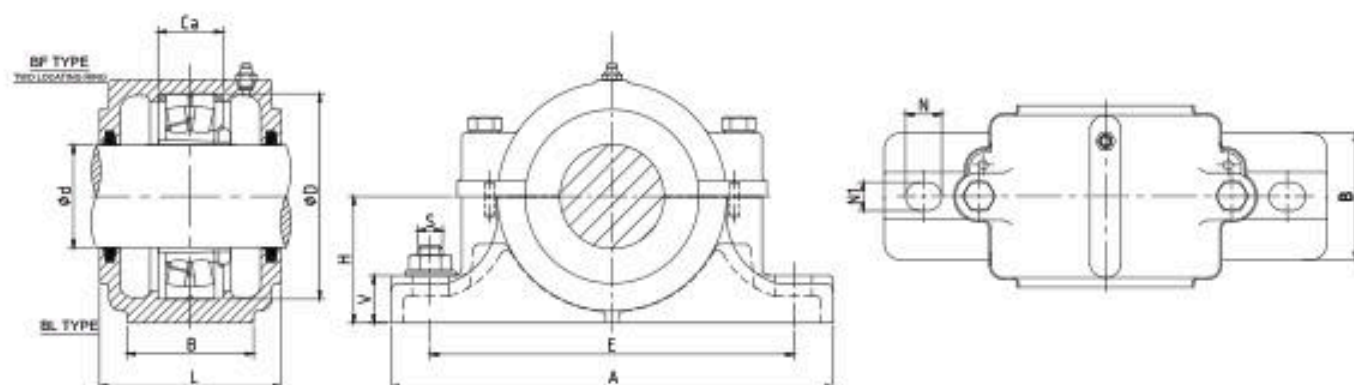
- Simple construction which allows lower load at moderate speed.
- One rib provided in center of base cavity as well as one rib at top of cap adds strength to housings of this series.
- SN Series is horizontally split type bearing housing which offers much ease and convenience during maintenance of bearing.
- Shaft diameter 20 mm to 170 mm for taper bore bearing with adopter sleeve which is the limiting range for use of suitable bearing for this series.
- For located bearing option in axial direction, the provision for locating ring is provided.
- Suitable only for grease lubrication. A grease nipple is provided on top for relubrication.
- Felt Seal is used to protect bearing and grease from ingress of dust and external particles.
- Need to Note that :
 - ♦ There is no provision for drain hole and Not recommended for higher temperature application.
- Four dimensional series are available in SN housings: SN 500 - suitable for bearing with adapter sleeve (1200K; 2200K; and 22200K)
(Instead of SN 200, 300 & 600 series we recommended to use SNA 200, 300 & 600 series housings which is preferred.)
- Material for SN series: Graded Cast Iron (FG 260 of IS 210).
- The overall fitment dimensions of SN Series conform to International Standard -ISO 113; 2010.



Bottom View

SN 500 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



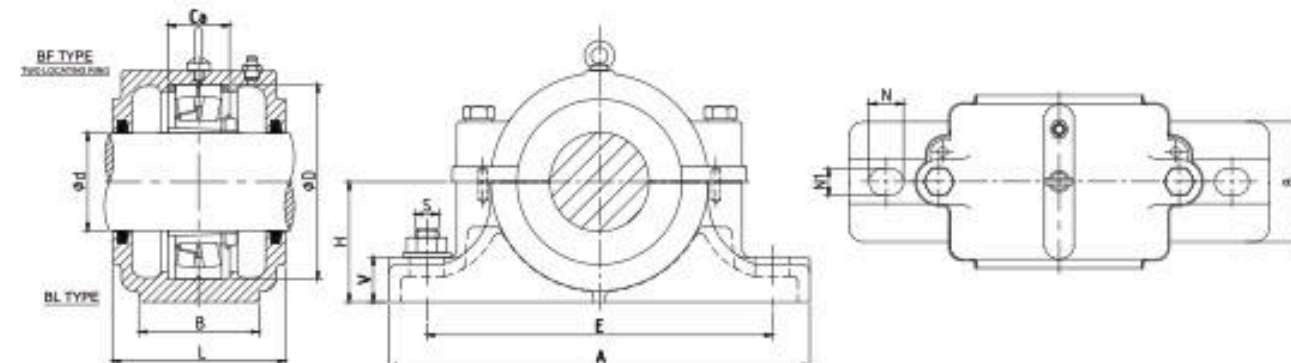
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-524 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (d)		Dimension in mm											Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings		Felt Strip No.
	mm	inch	L	H	A	B	E	V	S	Ca	N	N1	D			Size Width/Dia	Nos per Hsg.	
SN 505	20	3/4	67	40	165	46	130	19	12	25	20	15	52	1.12	1205 K + H 205 2205 K + H 305	5/52 7/52	2 1	FS 110
SN 506	25	1	77	50	185	52	150	22	12	30	20	15	62	1.63	1206 K + H 206 2206 K + H 306	7/62 10/62	2 1	FS 190
SN 507	30	1-1/8	82	50	185	52	150	22	12	33	20	15	72	1.93	1207 K + H 207 2207 K + H 307 22207 CK+ H 307	8/72 10/72 10/72	2 1 1	FS 190
SN 508	35	1-1/4	85	60	205	60	170	25	12	34	20	15	80	2.63	1208 K + H 208 2208 K + H 308 22208 CK+ H 308	8/80 11/80 11/80	2 1 1	FS 190
SN 509	40	1-1/2	85	60	205	60	170	25	12	31	20	15	85	2.85	1209 K + H 209 2209 K + H 309 22209 CK+ H 309	6/85 8/85 8/85	2 1 1	FS 190
SN 510	45	1-3/4	90	60	205	60	170	25	12	33	20	15	90	3	1210 K + H 210 2210 K + H 310 22210 CK+ H 310	6.5/90 10/90 10/90	2 1 1	FS 190
SN 511	50	2	95	70	255	70	210	28	16	33	23	18	100	4	1211 K + H 211 2211 K + H 311 22211 CK+ H 311	6/100 8/100 8/100	2 1 1	FS 260
SN 512	55	2-1/8	105	70	255	70	210	30	16	38	23	18	110	4.6	1212 K + H 212 2212 K + H 312 22212 CK+ H 312	8/110 10/110 10/110	2 1 1	FS 260
SN 513	60	2-1/4	110	80	275	80	230	30	16	43	23	18	120	5.95	1213 K + H 213 2213 K + H 313 22213 CK+ H 313	10/120 12/120 12/120	2 1 1	FS 260
SN 515	65	2-1/2	115	80	280	80	230	30	16	41	23	18	130	6.85	1215 K + H 215 2215 K + H 315 22215 CK+ H 315	8/130 10/130 10/130	2 1 1	FS 260
SN 516	70	2-3/4	120	95	315	90	260	32	20	43	27	22	140	8.45	1216 K + H 216 2216 K + H 316 22216 CK+ H 316	8.5/140 10/140 10/140	2 1 1	FS 330
SN 517	75	3	125	95	320	90	260	32	20	46	27	22	150	9.5	1217 K + H 217 2217 K + H 317 22217 CK+ H 317	9/150 10/150 10/150	2 1 1	FS 330

SN 500 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



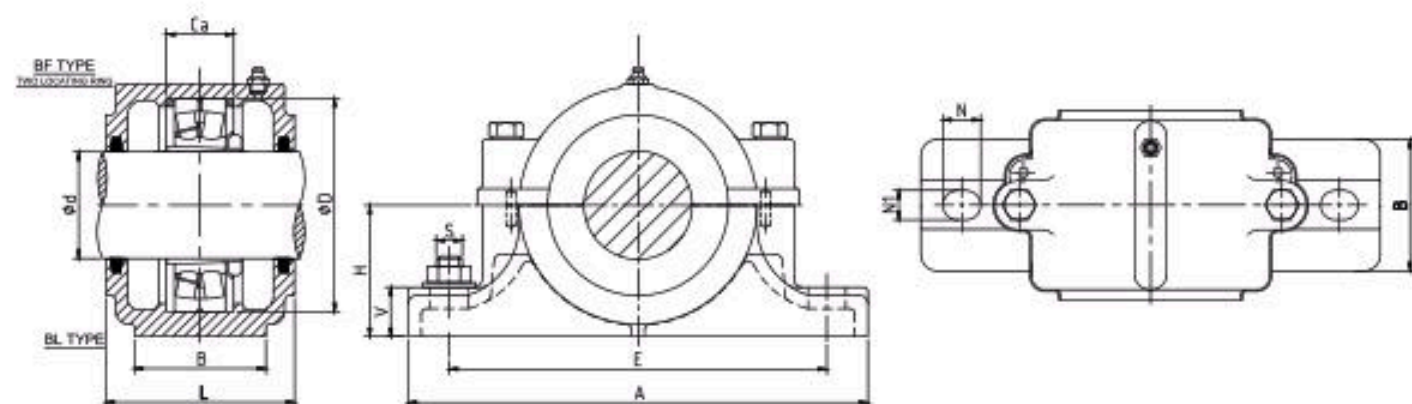
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-524 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (d)		Dimension in mm											Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings		Felt Strip No.
	mm	inch	L	H	A	B	E	V	S	Ca	N	N1	D			Size Width/Dia	Nos per Hsg.	
SN 518	80	3-1/4	145	100	345	100	290	35	20	62	27	22	160	12.3	1218 K + H 218 2218 K + H 318 22218CK + H 318 23218CK + H 2318	16/160 11/160 11/160 10/160	2 2 2 1	FS 330
SN 519	85	3-1/4	145	112	345	100	290	35	20	53	27	22	170	14.2	1219 K + H 219 2219 K + H 319 22219CK + H 319	10.5/170 10/170 10/170	2 1 1	FS 330
SN 520	90	3-1/2	160	112	380	110	320	40	24	70	32	26	180	15.5	1220 K + H 220 2220 K + H 320 22220 CK+ H 320 23220 CK+ H 2320	18/180 12/180 12/180 9.7/180	2 2 2 1	FS 370
SN 522	100	4	175	125	410	120	350	45	24	80	32	26	200	20	1222 K + H 222 2222 K + H 322 22222 CK+ H 322 23222 CK+ H 2322	21/200 13.5/200 13.5/200 10/200	2 2 2 1	FS 460
SN 524	110	4-1/4	185	140	410	120	350	45	24	86	32	26	215	23	22224 CK+ H 3124 23224 CK+ H 2324	14/215 10/215	2 1	FS 460
SN 526	115	4-1/2	190	150	445	130	380	50	24	90	35	28	230	28.9	22226 CK+ H 3126 23226 CK+ H 2326	13/230 10/230	2 1	FS 460
SN 528	125	5	205	150	500	150	420	50	30	98	42	35	250	36.4	22228 CK+ H 3128 23228 CK+ H 2328	15/250 10/250	2 1	FS 510
SN 530	135	5-1/4	220	160	530	160	450	60	30	106	42	35	270	43.5	22230 CK+ H 3130 23230 CK+ H 2330	16.5/270 10/270	2 1	FS 510
SN 532	140	5-1/2	235	170	550	160	470	60	30	114	42	35	290	50.5	22232 CK+ H 3132 23232 CK+ H 2332	17/290 10/290	2 1	FS 680
SN 534	150	6	235	180	620	170	520	65	30	120	42	35	310	57	22234 CK+ H 3134 23234 CK+ H 2334	17/310 10/310	2 1	FS 680
SN 536	160	6-1/2	245	190	650	180	560	65	30	122	42	35	320	72	22236 CK+ H 3136 23236 CK+ H 2336	18/320 10/320	2 1	FS 680
SN 538	170	6-3/4	255	200	680	190	580	70	36	130	50	42	340	90	22238 CK+ H 3138 23238 CK+ H 2338	19/340 10/340	2 1	FS 680

SN 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



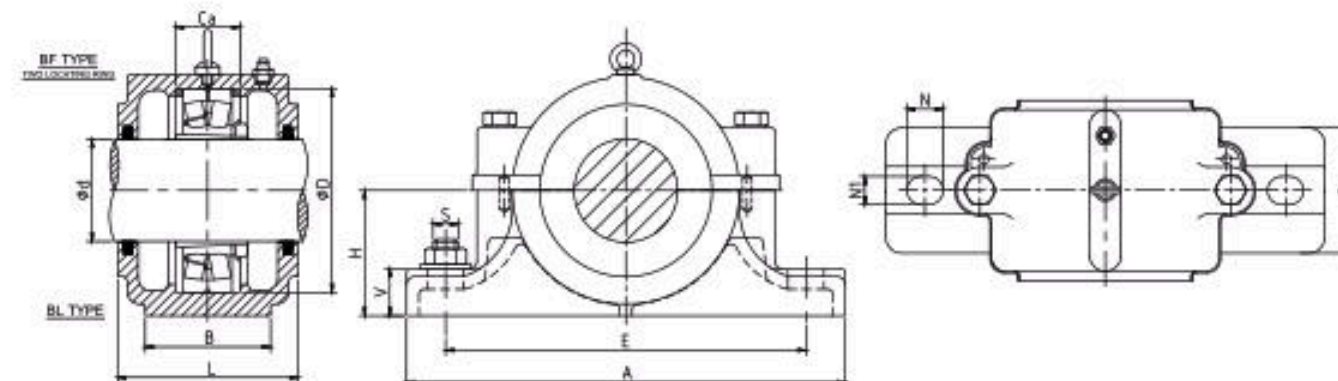
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (d)		Dimension in mm											Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings		Felt Strip No.
	mm	inch	L	H	A	B	E	V	S	Ca	N	N1	D			Size Width/Dia	Nos per Hsg.	
SN 605	20	3/4	80	50	185	52	150	22	12	34	20	15	62	1.12	1305 K + H 305 2305 K + H 2305	8.5/62 10/62	2 1	FS 110
SN 606	25	1	82	50	185	52	150	22	12	37	20	15	72	1.85	1306 K + H 306 2306 K + H 2306	9/72 10/72	2 1	FS 190
SN 607	30	1-1/8	90	60	205	60	170	25	12	41	20	15	80	2.8	1307 K + H 307 21307 K + H 307 2307 K + H 2307	10/80 10/80 10/80	2 2 1	FS 190
SN 608	35	1-1/4	95	60	205	60	170	25	12	43	20	15	90	3.15	1308 K + H 308 21308 K + H 308 2308 K + H 2308 22308 CK + H 2308	10/90 10/90 10/90 10/90	2 2 1 1	FS 190
SN 609	40	1-1/2	105	70	255	70	210	28	16	46	23	18	100	4.3	1309 K + H 309 21309 K + H 309 2309 K + H 2309 22309 CK + H 2309	10.5/100 10.5/100 10/100 10/100	2 2 1 1	FS 190
SN 610	45	1-3/4	115	70	255	70	210	30	16	50	23	18	110	4.9	1310 K + H 310 21310 K + H 310 2310 K + H 2310 22310CK + H 2310	11.5/110 11.5/110 10/110 10/110	2 2 1 1	FS 190
SN 611	50	2	120	80	275	80	230	30	16	53	23	18	120	5.5	1311 K + H 311 21311 K + H 311 2311 K + H 2311 22311 CK + H 2311	12/120 12/120 10/120 10/120	2 2 1 1	FS 260
SN 612	55	2-1/8	125	80	280	80	230	30	16	56	23	18	130	7.1	1312 K + H 312 21312 K + H 312 2312 K + H 2312 22312 CK + H 2312	12.5/130 12.5/130 10/130 10/130	2 2 1 1	FS 260
SN 613	60	2-1/4	130	95	315	90	260	32	20	58	27	22	140	9.2	1313 K + H 313 21313 K + H 313 2313 K + H 2313 22313 CK + H 2313	12.5/140 12.5/140 10/140 10/140	2 2 1 1	FS 260
SN 614	70		130	95	320	90	260	32	20	61	27	22	150	10.5	1314 K + H 314 21314 K + H 314 2314 K + H 2314 22314 CK + H 2314	13/150 13/150 10/150 10/150	2 2 1 1	FS 260

SN 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



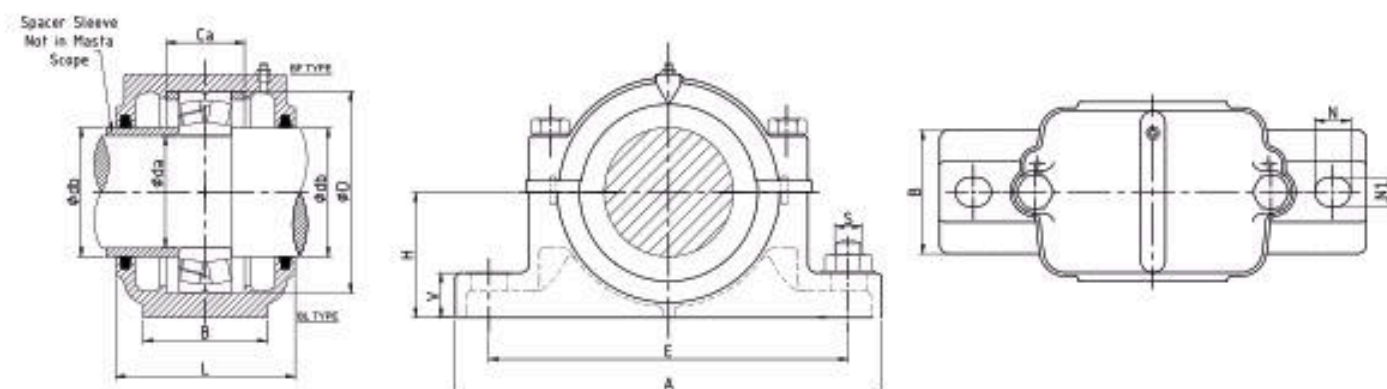
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia d		Dimension in mm											Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings		Felt Strip No.
	mm	inch	L	H	A	B	E	V	S	Ca	N	N1	D			Size Width/Dia	Nos per Hsg.	
SN 615	65	2-1/2	140	100	345	100	290	35	20	65	27	22	160	11.65	1315 K + H 315 21315 K + H 315 2315K + H 2315 22315CK + H 2315	14/160 14/160 10/160 10/160	2 2 1 1	FS 260
SN 616	70	2-3/4	145	112	345	100	290	35	20	68	27	22	170	12.9	1316 K + H 316 21316 K + H 316 2316 K + H 2316 22316CK + H 2316	14.5/170 14.5/170 10/170 10/170	2 2 1 1	FS 330
SN 617	75	3	155	112	380	110	320	40	24	70	32	26	180	15.5	1317 K + H 317 21317 K + H 317 2317 K + H 2317 22317 CK + H 2317	14.5/180 14.5/180 10/180 10/180	2 2 1 1	FS 330
SN 618	80	3-1/8	160	112	380	110	320	40	24	74	32	26	190	16.8	1318 K + H 318 21318 K + H 318 2318 K + H 2318 22318 CK + H 2318	15.5/190 15.5/190 10/190 10/190	2 2 1 1	FS 330
SN 619	85	3-3/8	170	125	410	120	350	45	24	77	32	26	200	20.5	1319 K + H 319 21319 K + H 319 2319 K + H 2319 22319 CK + H 2319	16/200 16/200 10/200 10/200	2 2 1 1	FS 330
SN 620	90	3-1/2	175	140	410	120	350	45	24	83	32	26	215	22.8	1320 K + H 320 21320 K + H 320 2320 K + H 2320 22320 CK + H 2320	18/215 18/215 10/215 10/215	2 2 1 1	FS 370
SN 622	100	4	190	150	450	130	390	50	24	90	35	28	240	28.9	21322 K + H 322 22322 CK + H 2322	20/240 10/240	2 1	FS 370
SN 624	110	4-1/4	200	160	530	160	450	60	30	96	42	35	260	35.8	20324 K + H 3124 22324 CK + H 2324	20.5/260 10/260	2 1	FS 460
SN 626	115	4-1/2	210	170	550	160	470	60	30	103	42	35	280	50.5	20326 K + H 3126 22326 CK + H 2326	22.5/280 10/280	2 1	FS 460
SN 628	125	5	235	180	620	170	520	65	30	112	42	35	300	81	20328 K + H 3128 22328 CK + H 2328	25/300 10/300	2 1	FS 510
SN 630	135	5-1/4	245	190	650	180	560	65	30	118	42	35	320	92	20330 K + H 3130 22330 CK + H 2330	26.5/320 10/320	2 1	FS 510
SN 632	140	5-1/2	255	200	680	190	580	70	36	124	50	42	340	100	20332 K + H 3132 22332 CK + H 2332	28/340 10/340	2 1	FS 680

SN 200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical Bore



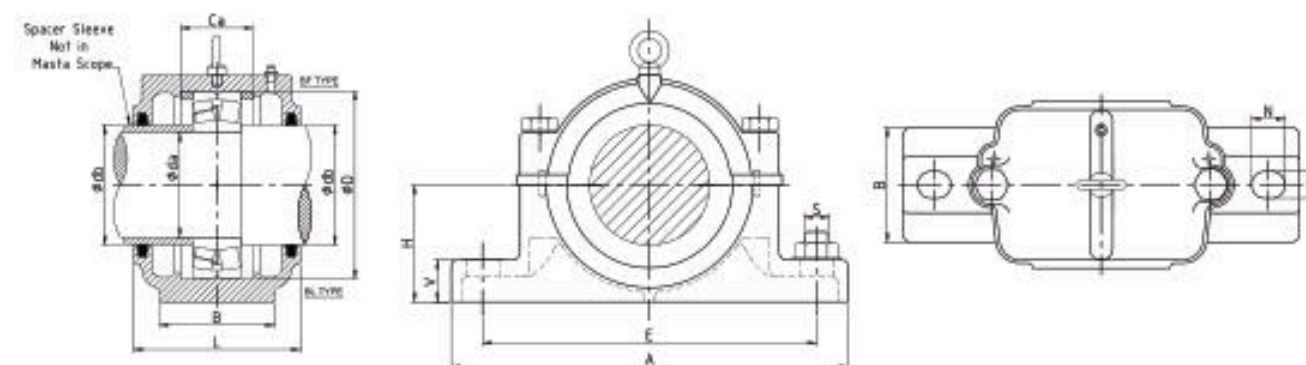
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-224 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm												Approx Weight Kg	Bearing Number	Locating Size Width/Dia	Rings Nos per Hsg.	Felt Strip No.
	da	da	L	H	A	B	E	V	S	Ca	N	N1	D						
SN 205	25	30	67	40	165	46	130	19	12	25	20	15	52	1.12	1205 E 2205 C	5/52 7/52	2 1	FS 190	
SN 206	30	35	77	50	185	52	150	22	12	30	20	15	62	1.63	1206 C 2206 C	7/62 10/62	2 1	FS 190	
SN 207	35	45	82	50	185	52	150	22	12	33	20	15	72	1.98	1207 E 2207 C 22207 C	8/72 10/72 10/72	2 1 1	FS 190	
SN 208	40	50	85	60	205	60	170	25	12	34	20	15	80	2.63	1208 E 2208 C 22208 C	8/80 11/80 11/80	2 1 1	FS 260	
SN 209	45	55	85	60	205	60	170	25	12	31	20	15	85	2.85	1209 E 2209 C 22209 C	6/85 8/85 8/85	2 1 1	FS 260	
SN 210	50	60	90	60	205	60	170	25	12	33	20	15	90	3.1	1210 E 2210 C 22210 C	6.5/90 10/90 10/90	2 1 1	FS 260	
SN 211	55	65	95	70	255	70	210	28	16	33	23	18	100	4	1211 E 2211 C 22211 C	6/100 8/100 8/100	2 1 1	FS 260	
SN 212	60	70	105	70	255	70	210	30	16	38	23	18	110	4.6	1212 E 2212 C 22212 C	8/110 10/110 10/110	2 1 1	FS 330	
SN 213	65	75	110	80	275	80	230	30	16	43	23	18	120	6	1213 E 2213 C 22213 C	10/120 12/120 12/120	2 1 1	FS 330	
SN 215	75	85	115	80	280	80	230	30	16	41	23	18	130	6.85	1215 E 2215 C 22215 C	8/130 10/130 10/130	2 1 1	FS 330	
SN 216	80	90	120	95	315	90	260	32	20	43	27	22	140	8.45	1216 E 2216 C 22216 C	8.5/140 10/140 10/140	2 1 1	FS 370	
SN 217	85	95	125	95	320	90	260	32	20	46	27	22	150	9.35	1217 E 2217 C 22217 C	9/150 10/150 10/150	2 1 1	FS 370	

SN 200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical Bore



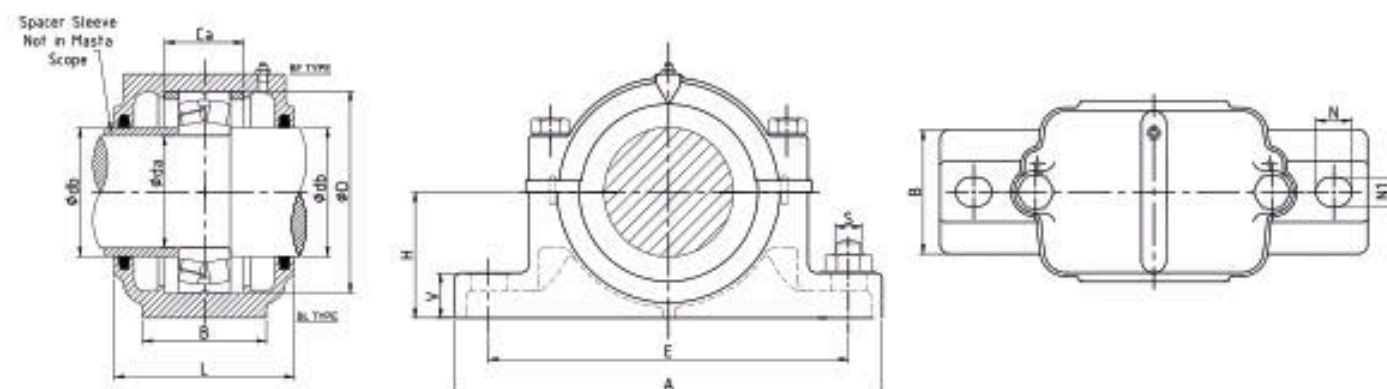
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-224 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm												Approx Weight Kg	Bearing Number	Locating Size Width/Dia	Rings Nos per Hsg.	Felt Strip No.
	da	db	L	H	A	B	E	V	S	Ca	N	N1	D						
SN 218	90	100	145	100	345	100	290	35	20	62	27	22	160	12.1	1218 E 2218 C 22218 C 23218 C	16/160 11/160 11/160 10/160	2 2 2 1	FS 460	
SN 219	95	110	145	112	345	100	290	35	20	53	27	22	170	13.9	1219 E 2219 C 22219 C	10.5/170 10/170 10/170	2 1 1	FS 460	
SN 220	100	115	160	112	380	110	320	40	24	70	32	26	180	15.5	1220 E 2220 C 22220 C 23220 C	18/180 12/180 12/180 9.7/180	2 2 2 1	FS 460	
SN 222	110	125	175	125	410	120	350	45	24	80	32	26	200	20	1222 E 2222 C 22222 C 23222 C	21/200 13.5/200 13.5/200 10/200	2 2 2 1	FS 510	
SN 224	120	135	185	140	410	120	350	45	24	86	32	26	215	22.8	22224 C 23224 C	14/215 10/215	2 1	FS 510	
SN 226	130	145	190	150	445	130	380	50	24	90	35	28	230	28.9	22226 C 23226 C	13/230 10/230	2 1	FS 680	
SN 228	140	155	205	150	500	150	420	50	30	98	42	35	250	36.4	22228 C 23228 C	15/250 10/250	2 1	FS 680	
SN 230	150	165	220	160	530	160	450	60	30	106	42	35	270	43.5	22230 C 23230 C	16.5/270 10/270	2 1	FS 680	
SN 232	160	175	235	170	550	160	470	60	30	114	42	35	290	50.5	22232 C 23232 C	17/290 10/290	2 1	FS 680	
SN 234	170	185	235	180	620	170	520	65	30	120	42	35	310	81	22234 C 23234 C	17/310 10/310	2 1	FS 680	
SN 236	180	195	245	190	650	180	560	65	30	122	42	35	320	92	22236 C 23236 C	18/320 10/320	2 1	FS 830	
SN 238	190	205	255	200	680	190	580	70	36	130	50	42	340	100	22238 C 23238 C	19/340 10/340	2 1	FS 830	

SN 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical Bore



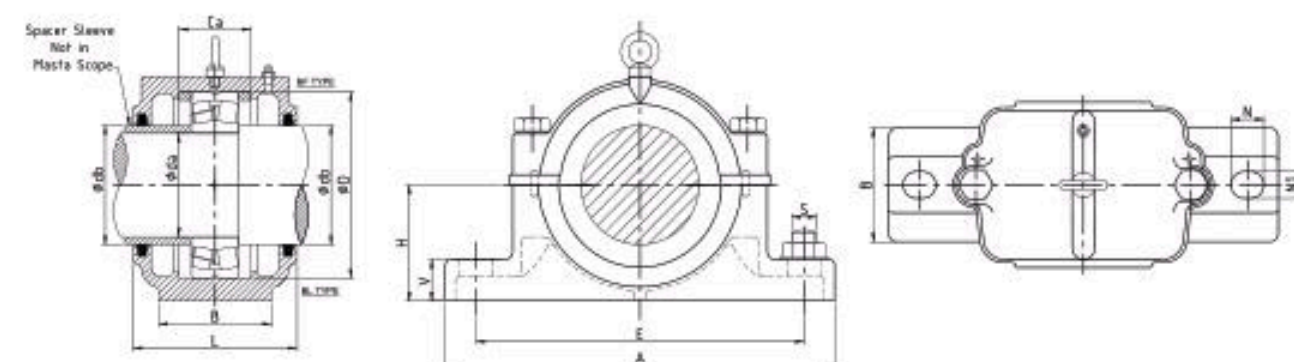
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia	Dimension in mm	Approx Weight Kg	Bearing Number	Locating Rings Size Width/Dia	Nos per Hsg.	Felt Strip No.
SN 305	25 30	L H A B E V S Ca N N1 D	1.63	1305 E 2305 C	8.5/62 10/62	2 1	FS 190
SN 306	30 35	82 50 185 52 150 22 12 37 20 15 72	1.85	1306 E 2306 C	9/72 10/72	2 1	FS 190
SN 307	35 45	90 60 205 60 170 25 12 41 20 15 80	2.65	1307 E 21307 C 2307 C	10/80 10/80 10/80	2 2 1	FS 190
SN 308	40 50	95 60 205 60 170 25 12 43 20 15 90	3	1308 E 21308 C 2308 C 22308 C	10/90 10/90 10/90 10/90	2 2 1 1	FS 260
SN 309	45 55	105 70 255 70 210 28 16 46 23 18 100	4.15	1309 E 21309 C 2309 C 22309 C	10.5/100 10.5/100 10/100 10/100	2 2 1 1	FS 260
SN 310	50 60	115 70 255 70 210 30 16 50 23 18 110	4.8	1310 E 21310 C 2310 C 22310 C	11.5/110 11.5/110 10/110 10/110	2 2 1 1	FS 260
SN 311	55 65	120 80 275 80 230 30 16 53 23 18 120	5.5	1311 E 21311 C 2311 C 22311 C	12/120 12/120 10/120 10/120	2 2 1 1	FS 260
SN 312	60 70	125 80 280 80 230 30 16 56 23 18 130	6.6	1312 E 21312 C 2312 C 22312 C	12.5/130 12.5/130 10/130 10/130	2 2 1 1	FS 330
SN 313	65 75	130 95 315 90 260 32 20 58 27 22 140	8.7	1313 E 21313 C 2313 C 22313 C	12.5/140 12.5/140 10/140 10/140	2 2 1 1	FS 330
SN 314	70 80	130 95 320 90 260 32 20 61 27 22 150	10	1314 E 21314 C 2314 C 22314 C	13/150 13/150 10/150 10/150	2 2 1 1	FS 330

SN 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical Bore



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

Plummer Block SN-320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia	Dimension in mm	Approx Weight Kg	Bearing Number	Locating Rings Size Width/Dia	Nos per Hsg.	Felt Strip No.
SN 315	75 85	L H A B E V S Ca N N1 D	11.65	1315 E 21315 C 2315 C 22315 C	14/160 14/160 10/160 10/160	2 2 1 1	FS 330
SN 316	80 90	145 112 345 100 290 35 20 68 27 22 170	12.5	1316 E 21316 C 2316 C 22316 C	14.5/170 14.5/170 10/170 10/170	2 2 1 1	FS 370
SN 317	85 95	155 112 380 110 320 40 24 70 32 26 180	15	1317 E 21317 C 2317 C 22317 C	14.5/180 14.5/180 10/180 10/180	2 2 1 1	FS 370
SN 318	90 105	160 112 380 110 320 40 24 74 32 26 190	16.8	1318 E 21318 C 2318 C 22318 C	15.5/190 15.5/190 10/190 10/190	2 2 1 1	FS 460
SN 319	95 110	170 125 410 120 350 45 24 77 32 26 200	20.5	1319 E 21319 C 2319 C 22319 C	16/200 16/200 10/200 10/200	2 2 1 1	FS 460
SN 320	100 115	175 140 410 120 350 45 24 83 32 26 215	22.8	1320 E 21320 C 2320 C 22320 C	18/215 18/215 10/215 10/215	2 2 1 1	FS 460
SN 322	110 125	190 150 450 130 390 50 24 90 35 28 240	28.9	21322 C 22322 C	20/240 10/240	2 1	FS 510
SN 324	120 135	200 160 530 160 450 60 30 96 42 35 260	35.8	20324 C 22324 C	20.5/260 10/260	2 1	FS 510
SN 326	130 150	210 170 550 160 470 60 30 103 42 35 280	50.5	20326 C 22326 C	22.5/280 10/280	2 1	FS 680
SN 328	140 160	235 180 620 170 520 65 30 112 42 35 300	81	20328 C 22328 C	25/300 10/300	2 1	FS 680
SN 330	150 170	245 190 650 180 560 65 30 118 42 35 320	92	20330 C 22330 C	26.5/320 10/320	2 1	FS 680
SN 332	160 180	255 200 680 190 580 70 36 124 50 42 340	100	20332 C 22332 C	28/340 10/340	2 1	FS 680

SN 30 / 31 SERIES BEARING HOUSINGS

SN 30 Series is developed to accommodate bearing type 23000CCK and 23100K. Overall design of this series nearly match with SNA series, but suitable changes are made as needed. There are many additional features in this series. For same size of shaft diameter, it is possible to use lighter bearing in standard SN 500 series, however it not possible to take full overall advantage. To offer a better solution, a separate SN 30 series is developed which are best suitable for 230...CCK /231...K series of bearings.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Construction of SN 30/31 series is improved with overall design. One broad rib provided in center of base cavity. On top of cap one rib is provided to add strength to housings of this series. SN30/31 Series is horizontally split type bearing housing.
- Shaft diameter 110 mm to 260 mm is the limiting size range for suitable 230...CCK bearing and shaft diameter 100 mm to 170 mm is limiting size for 231...K series bearing, both series having tapered bore for these series.



SN 30 / 31 SERIES BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

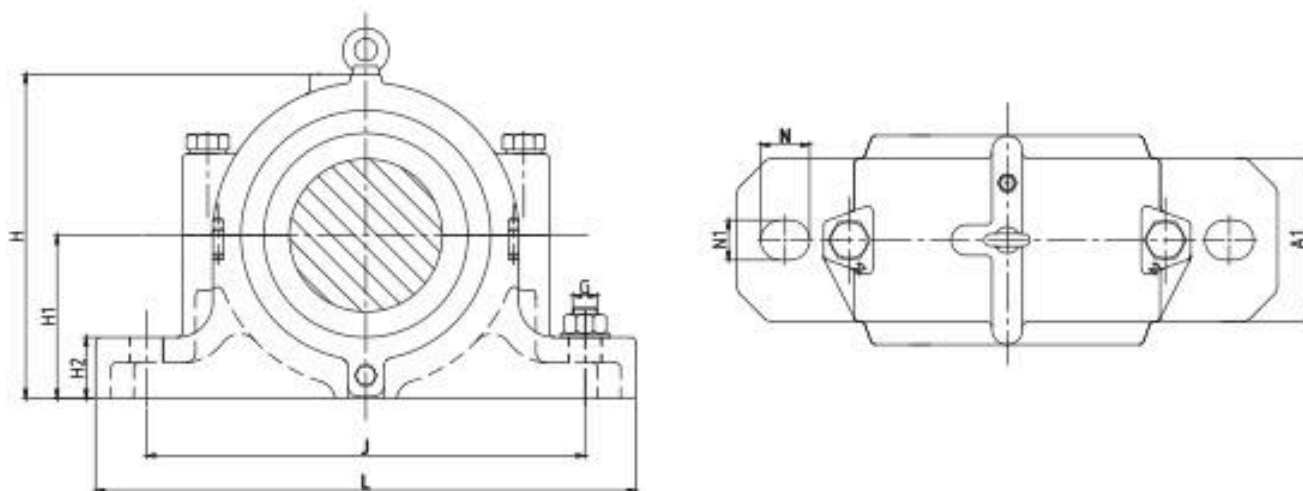
- For located bearing option in axial direction, the provision for locating ring is available.
- Suitable only for grease lubrication.
- A grease nipple is provided suitably on top for relubrication. The location of grease nipple will be in center of cap width, when W33 type bearing (which is having Annular Groove inside) is used. For other bearings, the grease nipple is fitted on sides.
- For SN 30/31 series following choices of seal are available:
 - Felt Seal : TC (with felt collar and O' Cord)
 - Labyrinth Seal : TS
- For removing dirty grease during maintenance, a drain hole with Plug is provided on pads on both sides at bottom.
- For shaft end option in housing, provision for an End Cover is made and designated by prefix A with shaft seal type: e.g. TC with end cover : ATC or TS with end cover: ATS etc
- Two dimensional Series are available in SN 30/31 housings:
 - SN 3000 - suitable for bearing with adapter sleeve 230...CCK
 - SN 3100 - suitable for bearing with adapter sleeve 231...K
- Material for SN 30/31series:
 - 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 case of specific requirement, two or four drilled foundation holes (instead of standard two oval holes) can be provided which gives additional rigidity to bearing housing installation. Such provisions are used where there is heavy vibration or severe loading condition in bearing operation. For such requirement, customer should use the following suffix with bearing housing size code. Refer Table for foundation holes size and center distances.
 - MS1 - Two foundation slots
 - MS2 - Four foundation slots
- For extremely heavy load: SSND series with solid base, in Ductile Iron material with four foundation slots are available.
- The overall fitment dimensions of SN 30/31 Series conform to International standard ISO 113; 2010.



Isometric View

SN 3000-3100 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



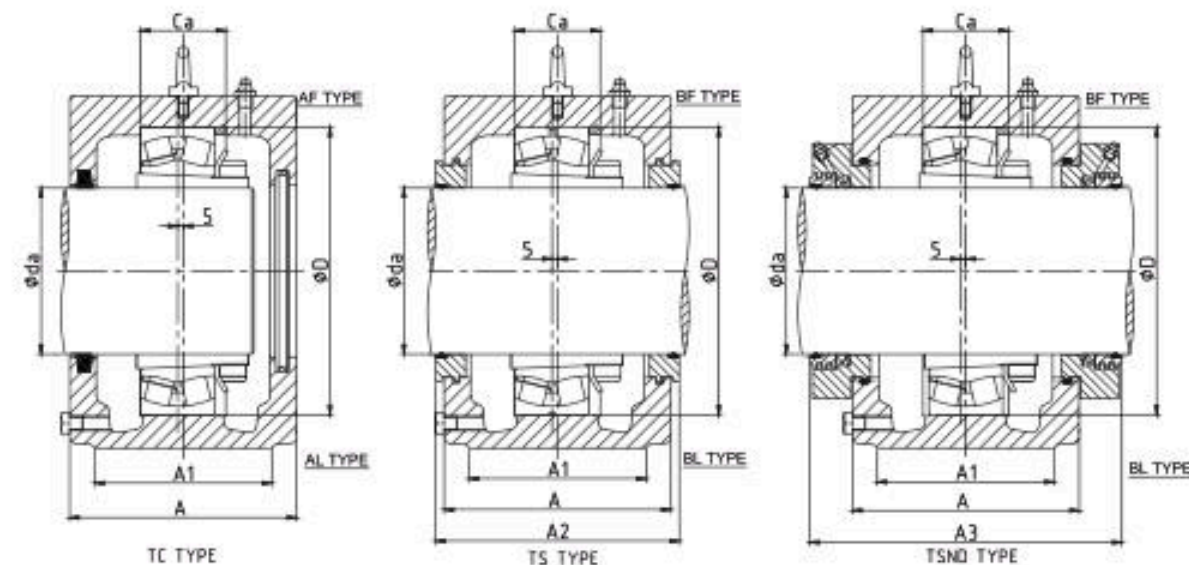
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SN-3028 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia da	Dimension in mm													
		L	J	H2	H1	H	A	A1	A2	A3	Ca	N	N1	G	D
SN 3022	100	345	290	35	112	209	145	100	163	220	65	27	22	20	170
SN 3024	110	380	320	40	112	215	150	110	165	220	56	36	28	24	180
SN 3026	115	410	350	45	125	239	160	120	175	248	62	36	28	24	200
SN 3028	125	410	350	45	140	260	170	120	185	255	63	36	28	24	210
SN 3030	135	445	380	50	150	286	180	130	195	264	66	36	28	24	225
SN 3032	140	460	390	50	150	297	190	130	205	270	70	36	28	24	240
SN 3034	150	530	450	60	160	318	205	160	220	272	77	48	35	30	260
SN 3036	160	550	470	60	170	338	210	160	225	280	84	48	35	30	280
SN 3038	170	550	470	60	170	346	220	160	245	290	85	48	35	30	290
SN 3040	180	610	515	60	180	366	235	170	250	295	92	48	35	30	310
SN 3044	200	690	580	70	200	401	255	190	270	315	100	50	42	36	340
SN 3048	220	720	610	75	210	422	265	200	280	355	102	50	42	36	360
SN 3052	240	820	680	80	240	472	285	220	300	374	114	70	48	42	400
SN 3056	260	860	720	80	250	495	295	230	310	384	116	70	48	42	420
SN 3122	100	380	320	40	112	217	150	110	170	-	66	36	28	24	180
SN 3124	110	410	350	45	125	240	165	120	185	-	72	36	28	24	200
SN 3126	115	410	350	45	140	260	170	120	190	-	74	36	28	24	210
SN 3128	125	445	380	50	150	286	180	130	200	-	78	36	28	24	225
SN 3130	135	500	420	50	150	295	200	150	220	-	90	48	35	30	250
SN 3132	140	530	450	60	160	318	215	160	235	-	96	48	35	30	270
SN 3134	150	550	470	60	170	330	220	160	240	-	98	48	35	30	280
SN 3136	160	610	520	70	180	355	230	170	250	-	106	48	35	30	300
SN 3138	170	650	560	70	190	375	240	180	260	-	114	48	35	30	320

SN 3000-3100 SERIES

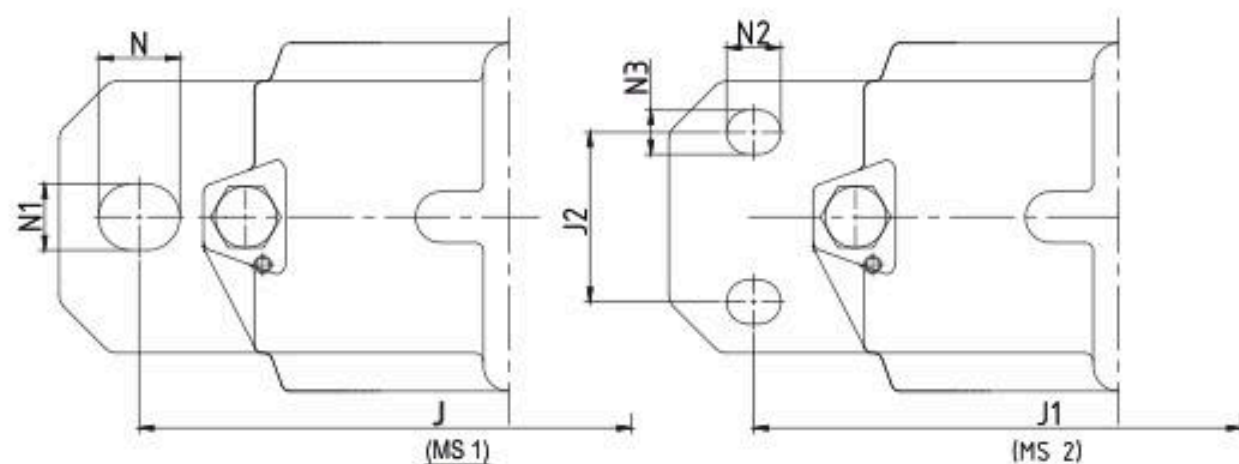
Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



Shaft Dia da	Approx Weight Kg	Bearing Number and Adapter sleeve	Locating Rings Size Width/Dia	Locating Rings Nos Per Plummer Block	Felt Strip No.
100	14.5	23022 CCK + H 3022	10/170	2	FS 460
110	20	23024CCK + H3024	10/180	1	FS 460
115	24	23026CCK + H3026	10/200	1	FS 460
125	30	23028CCK + H3028	10/210	1	FS 510
135	40	23030CCK + H3030	10/225	1	FS 510
140	41	23032CCK + H3032	10/240	1	FS 680
150	55	23034CCK + H3034	10/260	1	FS 680
160	62	23036CCK + H3036	10/280	1	FS 680
170	70	23038CCK + H3038	10/290	1	FS 680
180	80	23040CCK + H3040	10/310	1	FS 680
200	105	23044CCK + OH3044	10/340	1	FS 950
220	125	23048CCK + OH3048	10/360	1	FS 950
240	160	23052CCK + OH3052	10/400	1	FS 1120
260	180	23056CCK + OH3056	10/420	1	FS 1120
100	20.5	23122K + H3122	10/180	1	FS 390
110	24.5	23124K + H3124	10/200	1	FS 460
115	30.5	23126K + H3126	10/210	1	FS 460
125	40.6	23128K + H3128	10/225	1	FS 510
135	41.8	23130K + H3130	10/250	1	FS 510
140	55.8	23132K + H3132	10/270	1	FS 680
150	62.6	23134K + H3134	10/280	1	FS 680
160	70.8	23136K + H 3136	10/300	1	FS 680
170	81	23138K + H3138	10/320	1	FS 680

SN 3000-3100 SERIES

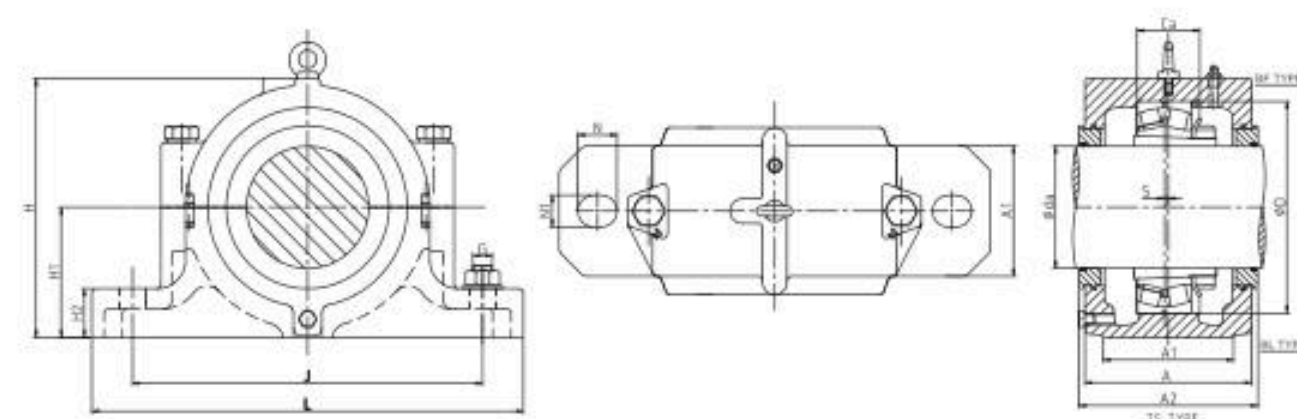
Plummer Blocks (Bearing Housings)
For Foundation Holes



Housing Designation	Dimension For Two Hole Base (MS1)			Suitable Bolt Size	Dimension For Four Hole Base (MS2)				Suitable Bolt Size
	J	N	N1		J1	J2	N2	N3	
SN 3022	290	28	22	M 20	280	50	24	18	M 16
SN 3024 SN 3122	320	36	28	M 24	300	60	24	18	M 16
SN 3026 SN 3124	350	36	28	M 24	320	70	24	18	M 16
SN 3028 SN 3126	350	36	28	M 24	330	70	24	18	M 16
SN 3030 SN 3128	380	36	28	M 24	370	70	28	22	M 20
SN 3032	390	36	28	M 24	370	70	28	22	M 20
SN 3130	420	48	35	M 30	400	80	32	26	M 24
SN 3034 SN 3132	450	48	35	M 30	430	90	32	26	M 24
SN 3036 SN 3134	470	48	35	M 30	450	90	32	26	M 24
SN 3038	470	48	35	M 30	450	90	32	26	M 24
SN 3040	515	48	35	M 30	500	100	32	26	M 24
SN 3136	520	48	35	M 30	500	100	32	26	M 24
SN 3138	560	48	35	M 30	550	100	32	26	M 24
SN 3044	580	50	42	M 36	560	105	32	26	M 24
SN 3048	610	50	42	M 36	580	120	32	26	M 24
SN 3052	680	70	48	M 42	630	120	42	35	M 30
SN 3056	720	70	48	M 42	670	130	42	35	M 30

SN 3000-3100 SERIES

Plummer Blocks (Bearing Housings)
For Foundation Holes



Plummer Block Designation	Dimension in MM																Locating Ring
	Two Hole Foundation (ms1)							Four Hole Foundation (ms2)									
								Bolt Size (G)									
A	A1	Ca	D	H1	H2	H	J	N	N1	Bolt Size (G)	J1	J2	N2	N3	Bolt Size (G)		
SN 3022	145	100	65	170	112	35	210	290	28	22	M20	280	50	24	18	M16	10/170 - 1Nos
SNH 3022			68									280	58				11.5/170 - 2Nos
SN 3024	150	110	56	180	112	40	215	320	36	28	M24	300	60	24	18	M16	10/180 - 1Nos
SNH 3024	160		70									300	66				12/180 - 2Nos
SN 3026	160	120	62	200	125	45	239	350	36	28	M24	320	70	24	18	M16	10/200 - 1Nos
SNH 3026	175		80									320	74				14/200 - 2Nos
SN 3028	170	120	63	210	140	45	260	350	36	28	M24	330	70	24	18	M16	10/210 - 1Nos
SNH 3028	185		86				271					330	74				15/210 - 2Nos
SN 3030	180	30	66	225	150	50	286	380	36	28	M24	370	70	28	22	M20	10/225 - 1Nos
SNH 3030	190		90				290					370	80				17/225 - 2Nos
SN 3032	190	130	70	240	150	50	297	390	36	28	M24	370	80	28	22	M20	10/240 - 1Nos
SNH 3032	205		98				302	420				400	92	32	26	M24	19/240 - 2Nos
SN 3034	205	160	77	260	160	60	318	450	48	35	M30	430	90	32	26	M24	10/260 - 1Nos
SNH 3034	220						323					430	100				5/260 - 2Nos
SN 3036	210	160	84	280	170	60	338	470	48	35	M30	450	90	32	26	M24	10/280 - 1Nos
SNH 3036	235		114				344					450	100				20/280 - 2Nos
SN 3038	220	160	85	290	170	60	346	470	48	35	M30	450	90	32	26	M24	10/290 - 1Nos
SNH 3038	235		114				344					450	100				19.5/290 - 2Nos

SNA SERIES BEARING HOUSINGS

SNA Series is upgraded design to that of SN series, yet SNA housings are totally interchangeable with SN Series without any problem. There are many additional features in SNA series for the User's benefit.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Construction of SNA is improved with overall design. One broad rib provided in center of base cavity as well as one rib at top of cap adds strength to housings of this series. SNA Series is horizontally split type bearing housing.
- Shaft diameter 20 mm to 140 mm is the limiting range for use of suitable bearing having tapered bore with adapter sleeve for this series.
- For located bearing option in axial direction, the provision for locating ring is available.
- Suitable for grease & oil lubrication.
- A grease nipple is provided suitably on top for relubrication. The location of grease nipple will be in center of cap width, when W33 type bearing (which is having Annular Groove inside) is used. For other bearings, the grease nipple is fitted on sides. Suitable dimples are provided on cap.



SNA SERIES BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

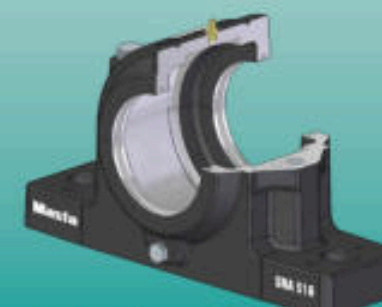
- For SNA series following choices of seal are available:
 - ✦ Felt Seal : TC (with felt collar and O cord)
 - ✦ V Seal : TA
 - ✦ Double Lip Seal : TG
 - ✦ Four Lip Seal : TL
 - ✦ Labyrinth Seal : TS

Due to the provision of selecting heavy duty seal as above, SNA housing becomes capable of taking heavy bearing load even at higher speed.

- For removing dirty grease during maintenance, a Drain hole with Plug is provided on pads provided on both sides at bottom.
- For shaft end option in housing, provision for an End Cover is made and designated by prefix A with shaft seal type: e.g. TC with end cover : ATC or TS with end cover : ATS etc
- Four dimensional Series are available in SNA housings:

SNA 500 / SNA 600 / SNA 200 / SNA 300-
suitable for bearing with adapter sleeve
(1200K; 1300K; 2200K; 2300K; 22200K;
22300K & 23200K)

- Material for SNA series:
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 case of specific requirement, two or four slot foundation holes (instead of standard two slot holes) can be provided. Such provisions are used where there is heavy vibration or severe loading condition in bearing operation. For such requirement, customer should use the following suffix with bearing housing size code. Refer Table for foundation holes size and center distances.
 - MS1 - Two foundation slot hole
 - MS2 - Four foundation slot hole
- For extremely heavy load: SSNAD series with solid base, in Ductile Iron material with four foundation slots are available.
- The overall fitment dimensions of SNA Series conform to International standard ISO 113; 2010.



Section View



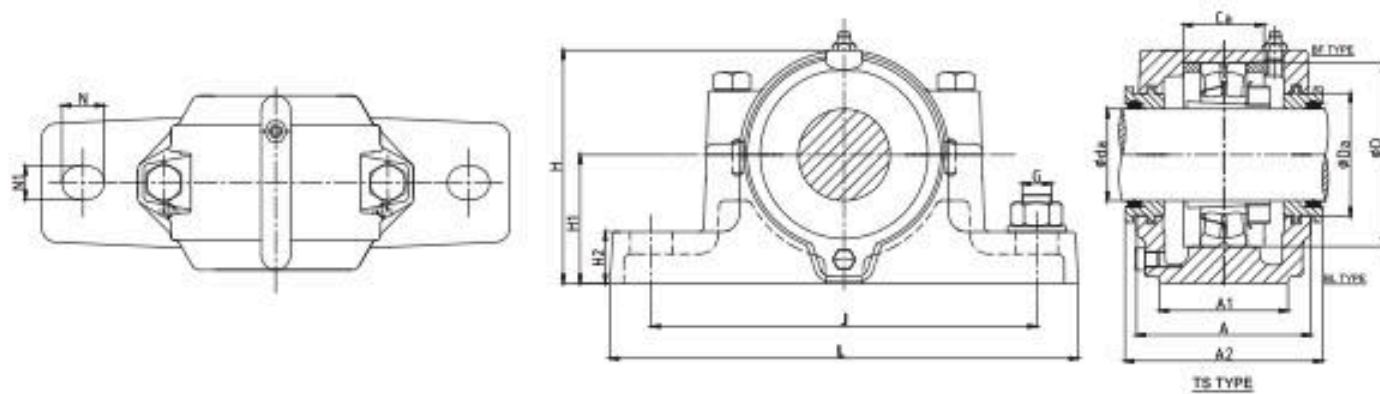
Bottom View



Isometric View

SNA 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



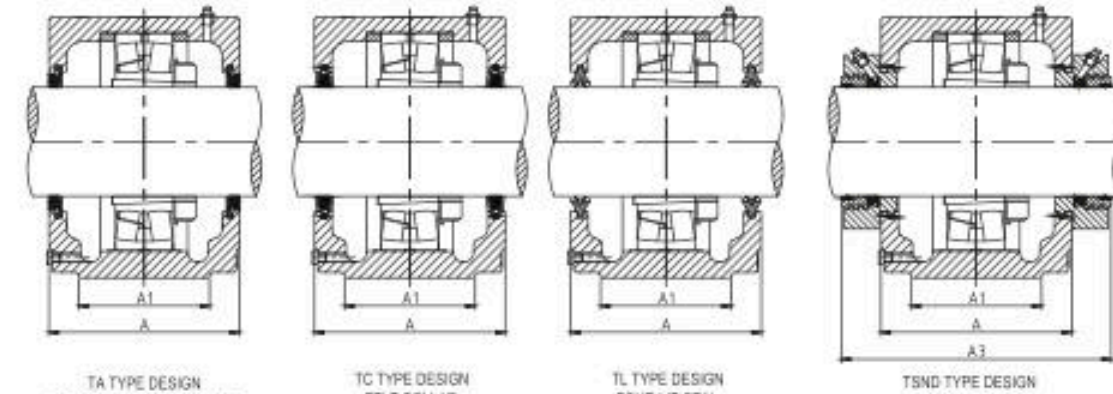
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNA-524 and above are
supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings	No.
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D					
SNA 505	20	67	46	80	125	31.5	71	40	19	130	165	25	20	13	10	52	1.35	1205 K + H 205 2205 K + H 305	5/52 7/52	2 1	
SNA 506	25	77	52	89	135	36.5	87	50	22	150	185	32	22	13	10	62	1.9	1206 K + H 206 2206 K + H 306	8/62 6/62	2 2	
SNA 605	20	135																1.9	1305 K + H 305 2305 K + H 2305	7.5/62 8/62	2 1
SNA 507	30	82	52	94	145	46.5	92	50	22	150	185	34	20	13	10	72	2	1207 K + H 207 2207 K + H 307 22207 CK + H 307	8.5/72 5.5/72 5.5/72	2 2 2	
SNA 606	25	140																2	1306 K + H 306 2306 K + H 2306	7.5/72 7/72	2 1
SNA 508	35	85	60	97	150	51.5	106	60	25	170	205	39	20	15	12	80	2.65	1208 K + H 208 2208 K + H 308 22208 CK + H 308	10.5/80 8/80 8/80	2 2 2	
SNA 607	30	145																2.65	1307 K + H 307 2307 K + H 2307	9/80 8/80	2 1
SNA 509	40	85	60	97	150	56.5	109	60	25	170	205	30	20	15	12	85	2.7	1209 K + H 209 2209 K + H 309 22209 CK + H 309	5.5/85 7/85 7/85	2 1 1	
SNA 510	45	90	60	102	155	62	112	60	25	170	205	41	20	15	12	90	2.9	1210 K + H 210 2210 K + H 310 22210 CK + H 310	10.5/90 9/90 9/90	2 2 2	
SNA 608	35	150																2.9	1308 K + H 308 2308 K + H 2308 21308 K + H 308 22308 CK + H 2308	9/90 8/90 9/90 8/90	2 1 2 1
SNA 511	50	95	70	107	165	67	127	70	28	210	255	44	23	18	16	100	4.35	1211 K + H 211 2211 K + H 311 22211 CK + H 311	11.5/100 9.5/100 9.5/100	2 2 2	
SNA 609	40	155																4.35	1309 K + H 309 2309 K + H 2309 21309 K + H 309 22309 CK + H 2309	9.5/100 8/100 9.5/100 8/100	2 1 2 1

SNA 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



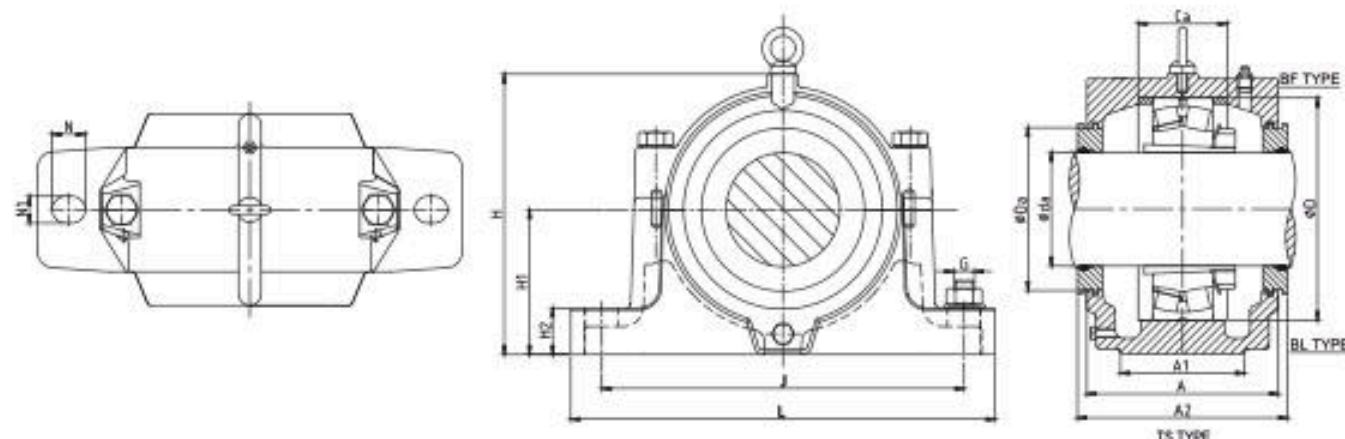
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNA-524 and above are
supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm															Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings	No.
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNA 512	55	105	70	117	175	72	133	70	30	210	255	48	23	18	16	110	4.8	1212 K + H 212 2212 K + H 312 22212 CK + H 312	13/110 10/110 10/110	2 2 2
SNA 610	45	165															4.8	1310 K + H 310 2310 K + H 2310 21310 K + H 310 22310 K + H 2310	10.5/110 8/110 10.5/110 8/110	2 1 2 1
SNA 513	60	110	80	122	180	77	148	80	30	230	275	51	24	18	16	120	5.75	1213 K + H 213 2213 K + H 313 22213 CK+ H 313	14/120 10/120 10/120	2 2 2
SNA 611	50	170																1311 K + H 311 2311 K + H 2311 21311 K + H 311 22311 K + H 2311	11/120 8/120 11/120 8/120	2 1 2 1
SNA 515	65	115	80	127	175	87	154	80	30	230	280	56	26	18	16	130	6.5	1215 K + H 215 2215 K + H 315 22215 CK+ H 315	15.5/130 12.5/130 12.5/130	2 2 2
SNA 612	55	175																1312 K + H 312 2312 K + H 2312 21312 CK+ H 312 22312 CK+ H 2312	12.5/130 10/130 12.5/130 10/130	2 1 2 1
SNA 516	70	120	90	138	205	92.5	175	95	32	260	315	58	29	22	20	140	9	1216 K + H 216 2216 K + H 316 22216 CK+ H 316	16/140 12.5/140 12.5/140	2 2 2
SNA 613	60	180																1313 K + H 313 2313 K + H 2313 21313 K + H 313 22313 K + H 2313	12.5/140 10/140 12.5/140 10/140	2 1 2 1
SNA 517	75	125	90	143	210	97.5	181	95	32	260	320	61	30	22	20	150	9.8	1217 K + H 217 2217 K + H 317 22217 CK+ H 317	16.5/150 12.5/150 12.5/150	2 2 2
SNA 518	80	140	100	158	225	102.5	192	100	35	290	345	65	27	22	20	160	12.5	1218 K + H 218 2218 K + H 318 22218 CK+ H 318 23218 CK+ H 2318	17.5/160 12.5/160 12.5/160 12.5/160	2 2 2 1
SNA 615	65	200																1315 K + H 315 2315 K + H 2315 21315 K + H 315 22315 K + H 2315	14/160 10/140 14/160 10/160	2 1 2 1

SNA 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



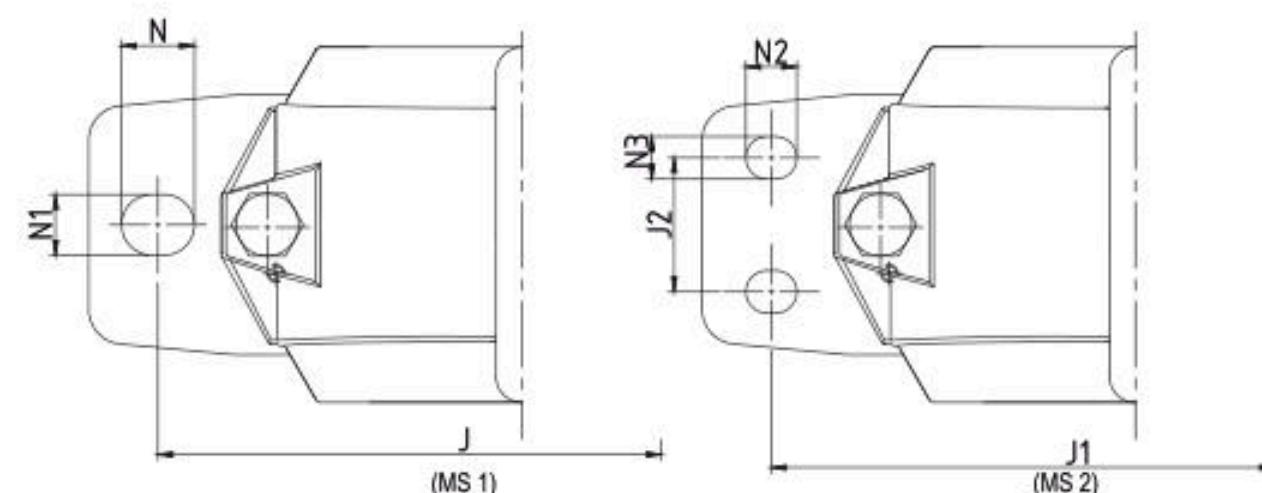
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNA-524 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm															Approx Weight Kg	Bearing with Adapter Sleeve	Locating Rings	No.
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNA 519	85	145	100	163	220	131	209	112	35	290	345	68	27	22	20	170	14	1219 K + H 219 2219 K + H 319 22219 CK+ H 319	18/170 12.5/170 12.5/170	2 2 2
SNA 616	70				205													1316 K + H 316 2316 K + H 2316 21316 K + H 316 22316 K + H 2316	14.5/170 10/170 14.5/170 10/170	2 1 2 1
SNA 520	90	160	110	178	230	137.5	215	112	40	320	380	70	32	26	24	180	17	1220 K + H 220 2220 K + H 320 22220 CK+ H 320 23220 CK+ H 2320	18/180 12/180 12/180 9.7/180	2 2 2 1
SNA 617	75				220													1317 K + H 317 2317 K + H 2317 21317 K + H 317 22317 K + H 2317	14.5/180 10/180 14.5/180 10/180	2 1 2 1
SNA 522	100	175	120	191	250	147.5	239	125	45	350	410	80	32	26	24	200	21	1222 K + H 222 2222 K + H 322 22222 CK+ H 322 23222 CK+ H 2322	21/200 13.5/200 13.5/200 11.2/200	2 2 2 1
SNA 619	85				235													22319 CK+ H 2319	13/200	1
SNA 524	110	185	120	199	260	157.5	271	140	45	350	410	86	32	26	24	215	24.5	22224 CK+ H 3124 23224 CK+ H 2324	14/215 10/215	2 1
SNA 620	90				240													22320 CK+ H 2320	13/215	1
SNA 526	115	190	130	208	265	167.5	290	150	50	380	445	90	35	28	24	230	32.5	22226 CK+ H 3126 23226 CK+ H 2326	13/230 10/230	2 1
SNA 528	125	205	150	223	285	177.5	302	150	50	420	500	98	42	35	30	250	42.5	22228 CK+ H 3128 23228 CK+ H 2328	15/250 10/250	2 1
SNA 530	135	220	160	241	295	192.5	323	160	60	450	530	106	42	35	30	270	50.5	22230 CK+ H 3130 23230 CK+ H 2330	16.5/270 10/270	2 1
SNA 532	140	235	160	254	315	202.5	344	170	60	470	550	114	42	35	30	280	57	22232 CK+ H 3132 23232 CK+ H 2332	17/290 10/290	2 1

SNA SERIES

Plummer Blocks (Bearing Housings)
For Foundation Holes

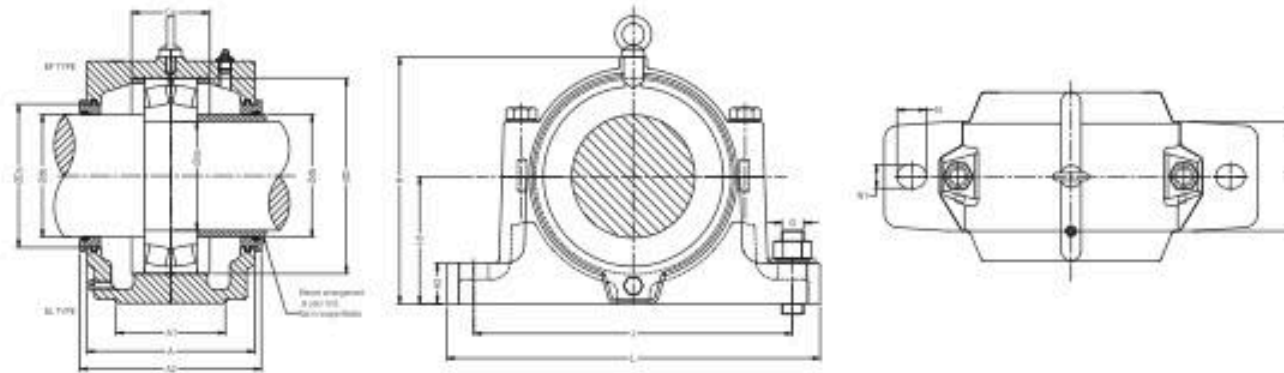


Housing Designation	Dimension For Two Hole Base (MS1)			Suitable Bolt Size	Dimension For Four Hole Base (MS2)				Suitable Bolt Size
	J	N	N1		J1	J2	N2	N3	
SNA 511-609	210	23	18	M 16	200	35	20	13	M 12
SNA 512-610	210	23	18	M 16	200	35	20	13	M 12
SNA 513-611	230	24	18	M 16	220	40	20	13	M 12
SNA 515-612	230	26	18	M 16	220	40	20	13	M 12
SNA 516-613	260	29	22	M 20	250	50	20	13	M 12
SNA 517-614	260	30	22	M 20	250	50	20	13	M 12
SNA 518-615	290	27	22	M 20	280	50	24	18	M 16
SNA 519-616	290	27	22	M 20	280	50	24	18	M 16
SNA 520-617	320	32	26	M 24	300	60	24	18	M 16
SNA 522-619	350	32	26	M 24	320	70	24	18	M 16
SNA 524-620	350	32	26	M 24	330	70	24	18	M 16
SNA 526	380	35	28	M 24	370	70	28	22	M 20
SNA 528	420	42	35	M 30	400	80	32	26	M 24
SNA 530	450	42	35	M 30	430	90	32	26	M 24
SNA 532	470	42	35	M 30	450	90	32	26	M 24

SNA 200 & 300 SERIES

Plummer Blocks (Bearing Housings)

For Straight (cylindrical) Bore Bearings



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

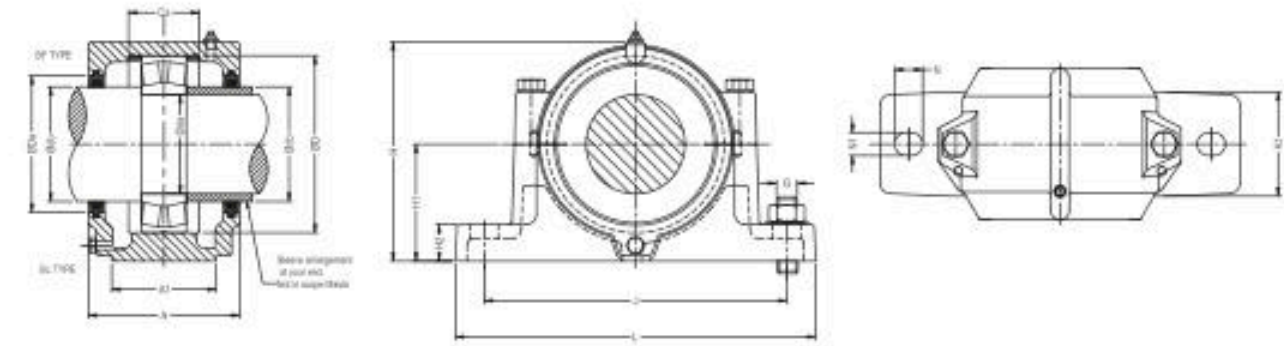
Plummer Block SNA-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size/Two Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNA 205	25	30	67	46	80	36.5	71	40	19	130	185	25	20	13	10	52	1.4	1205 E 2205 E 22205 E	5/52 3.5/52 3.5/52
SNA 206	30	35	77	52	89	46.5	87	50	22	150	185	32	22	13	10	62	1.9	1206 E 2206 E 22206 E	8/62 6/62 6/62
SNA 305	25	30																1305 E 2305 E 21305 CC	7.5/62 4/62 7.5/62
SNA 207	35	45	82	52	96	56.5	92	50	22	150	185	34	20	15	10	72	2.1	1207 E 2207 E 22207 E	8.5/72 5.5/72 5.5/72
SNA 306	30	35																1208 E 2308 E 21308 CC	7.5/72 3.5/72 7.5/72
SNA 208	40	50	85	60	99	62	106	60	25	170	205	39	20	15	12	80	2.75	1208 E 2208 E 22208 E	10.5/80 8/80 8/80
SNA 307	35	45																1307 E 21307 CC	9/80 9/80
SNA 209	45	55	85	60	97	67	109	60	25	170	205	30	20	15	12	85	2.75	1209 E 2209 E 22209 E	5.5/85 3.5/85 3.5/85
SNA 210	50	60	90	60	102	72	112	60	25	170	205	41	20	15	12	90	3	1210 E 2210 E 22210 E	10.5/90 9/90 9/90
SNA 308	40	50																1308 E 2308 E 21308 CC 22308 E	9/90 4/90 9/90 4/90
SNA 211	55	65	95	70	127	77	127	70	28	210	255	44	23	18	16	100	4.2	1211 E 2211 E 22211 E	11.5/100 9.5/100 9.5/100
SNA 309	45	55																1309 E 2309 E 21309 CC 22309 E	9.5/100 4/100 9.5/100 4/100

SNA 200 & 300 SERIES

Plummer Blocks (Bearing Housings)

For Straight (cylindrical) Bore Bearings



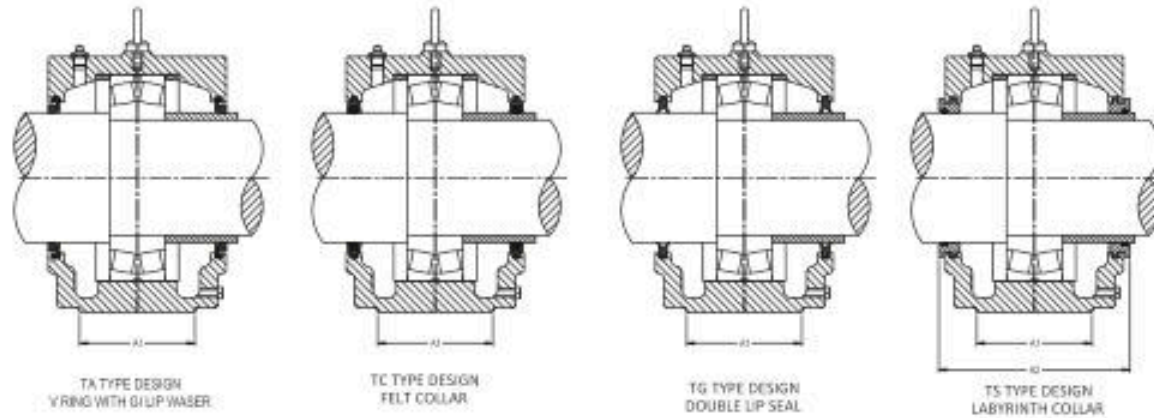
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNA-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size/Two Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNA 212	60	70	105	70	117	87	133	70	30	210	255	48	23	18	16	110	4.75	1212 E 2212 E 22212 E	13/110 10/110 10/110
SNA 310	50	60																1310 E 2310 E 21310CC 22310 E	10.5/110 4/110 10.5/110 4/110
SNA 213	65	75	110	80	122	92.5	148	80	30	230	275	51	24	18	16	120	6.1	1213 E 2213 E 22213 E	14/120 10/120 10/120
SNA 311	55	65																1311 E 2311 E 21311CC 22311 E	11/120 4/120 11/120 4/120
SNA 215	75	85	115	80	127	102.5	154	80	30	230	280	56	26	18	16	130	6.6	1215 E 2215 E 22215 E	15.5/130 12.5/130 12.5/130
SNA 312	60	70																1312 E 2312 E 21312CC 22312 E	12.5/130 5/130 12.5/130 5/130
SNA 216	80	90	120	90	138	108	175	95	32	260	315	58	29	22	20	140	9	1216 E 2216 E 22216 E	16/140 12.5/140 12.5/140
SNA 313	65	75																1313 E 2313 E 21313CC 22313 E	12.5/140 5/140 12.5/140 5/140
SNA 217	85	95	125	90	143	112	181	95	32	260	320	61	30	22	20	150	9.5	1217 E 2217 E 22217 E	16.5/150 12.5/150 12.5/150
SNA 314	70	80																1314 E 2314 E 21314CC 22314 E	13/150 5/150 13/150 5/150
SNA 218	90	100	140	100	158	120	192	100	35	290	345	65	27	22	20	160	11.8	1218 E 2218 E 22218 E 23218CC	17.5/160 12.5/160 12.5/160 6.25/160
SNA 315	75	85																1315 E 2315 E 21315CC 22315 E	14/160 5/160 14/160 5/160

SNA 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Straight (cylindrical) Bore Bearings



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

Plummer Block SNA-224/320 and above are
supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size/Two Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	M1	G	D			
SNA 219	95	110	145	100	163	131	209	112	35	290	345	68	27	22	20	170	13.7	1219 E 2219 E 22219 E	18/170 12.5/170 12.5/170
SNA 316	80	90																1316 E 2316 E 21316CC 22316 E	14.5/170 5/170 14.5/170 5/170
SNA 220	100	115	160	110	178	137.5	215	112	40	320	380	70	32	26	24	180	17.6	1220 E 2220 E 22220 E 23220CC	18/180 12/180 12/180 4.85/180
SNA 317	85	95																1317 E 2317 E 21317CC 22317 E	14.5/180 5/180 14.5/180 5/180
SNA 222	110	125	175	120	191	147.5	239	125	45	350	410	80	32	26	24	200	22	1222 E 2222 E 22222 E 23222CC	21/200 13.5/200 13.5/200 5.1/200
SNA 319	95	110																1319 E 2319 E 21319CC 22319 E	17.5/200 6.5/200 17.5/200 6.5/200
SNA 224	120	135	185	120	199	157.5	271	140	45	350	410	86	32	26	24	215	26.2	1224 E 22224 E 23224CC	22/215 14/215 5/215
SNA 320	100	115																1320 E 2320 E 21320CC 22320 E	19.5/215 6.5/215 19.5/215 6.5/215
SNA 226	130	145	190	130	208	167.5	290	150	50	380	445	90	35	28	24	230	33	1226 E 22226 E 23226CC	22/230 13/230 5/230
SNA 228	140	155	205	150	223	177.5	302	150	50	420	500	98	42	35	30	250	40	22228CC 23228CC	15/250 5/250
SNA 230	150	165	220	160	241	192.5	323	160	60	450	530	106	42	35	30	270	49	22230CC 23230CC	16.5/270 5/270
SNA 232	160	175	235	160	254	202.5	344	170	60	470	550	114	42	35	30	290	55	22232CC 23232CC	17/290 5/290

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SNA



SNA 500-600 SERIES	SNA 200-300 SERIES	Values for Cap Bolts		Values for Foundation Bolts		Recommended Initial Grease filled Quantity	
		Bolt Size	Tightening torque Nm	Bolt Size	Tightening torque Nm	First fill 40 % Gram	First fill 20 % Gram
SNA 505	SNA 205	M10x40	50	M12	80	25	15
SNA 506-605	SNA 206-305	M10x40	50	M12	80	40	25
SNA 507-606	SNA 207-306	M10x50	50	M12	80	50	30
SNA 508-607	SNA 208-307	M10x50	50	M12	80	60	35
SNA 509	SNA 209	M10x50	50	M12	80	65	40
SNA 510-608	SNA 210-308	M10x55	50	M12	80	75	45
SNA 511-609	SNA 211-309	M12x60	80	M16	200	100	60
SNA 512-610	SNA 212-310	M12x60	80	M16	200	150	90
SNA 513-611	SNA 213-311	M12x65	80	M16	200	180	110
SNA 515-612	SNA 215-312	M12x65	80	M20	385	230	140
SNA 516-613	SNA 216-313	M12x70	80	M20	385	280	170
SNA 517	SNA 217-314	M12x80	80	M20	385	330	200
SNA 518-615	SNA 218-315	M16x90	150	M20	385	430	260
SNA 519-616	SNA 219-316	M16x90	150	M20	385	480	300
SNA 520-617	SNA 220-317	M16x100	150	M24	385	630	390
SNA 522-619	SNA 222-319	M20x100	200	M24	665	850	530
SNA 524-620	SNA 224-320	M20x110	200	M24	665	1000	630
SNA 526	SNA 226	M24x130	350	M24	665	1100	700
SNA 528	SNA 228	M24x130	350	M30	1310	1400	900
SNA 530	SNA 230	M24x130	350	M30	1310	1700	1100
SNA 532	SNA 232	M24x130	350	M30	1310	2000	1300

SNH SERIES BEARING HOUSINGS

SNH Series is further upgradation in design as compared to previous design of SN and SNA series. The overall size of SNH housing, its mounting dimensions, and center height for bearing bore is maintained uniform with SN and SNA series. It is advantageous that one can readily replace SN and SNA housings with SNH housing. However looking to increasing technical demand in the field, many more features in SNH series are added.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Construction of SNH housing is streamlined with box pattern base and bottom cavity. The hollow bottom base is strengthened with three ribs and one cross rib in the middle. The rib at top of cap is also provided. These features add more strength to SNH series as compared to SN and SNA series. Inside cavity of SNH is made flat to help more space and smooth movement for lubrication.
- SNH Series is horizontally split type bearing housing which offers much ease and convenience during maintenance of bearing.
- Shaft diameter 20 mm to 140 mm for taper bore bearing and 25mm to 160mm for straight bore bearing which is the limiting range for use of suitable bearing for this series.



SNH SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

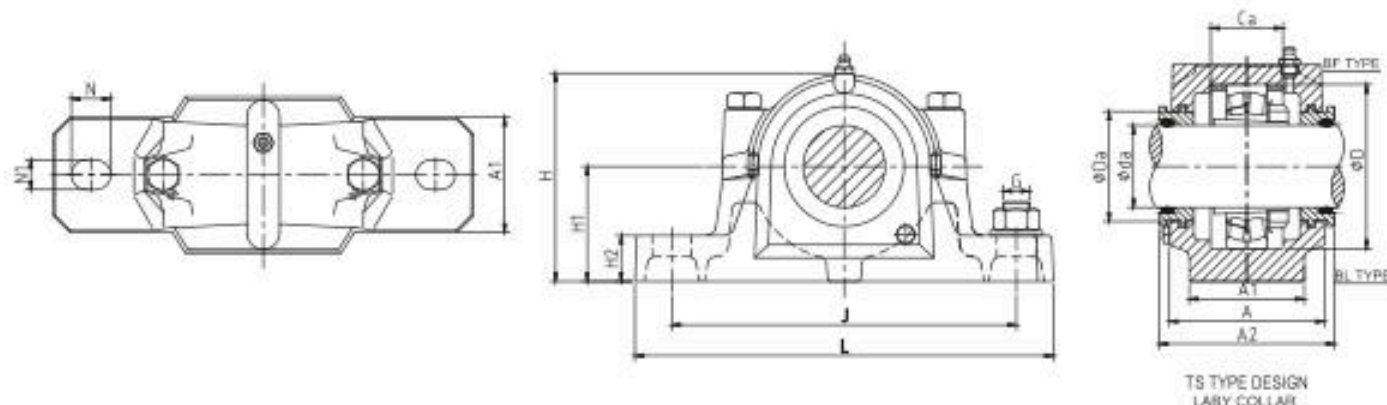
- For located bearing option in axial direction, the provision for locating ring is available. Depending upon bearing size, one or two locating rings are selected.
- SNH housings are suitable for grease as well as oil lubrication.
- A grease nipple is provided suitably on top for relubrication. The location of grease nipple will be in center of cap width, when W33 type bearing (which is having Annular Groove inside) is used. For other bearings, the grease nipple is fitted on sides. Suitable dimples are provided on cap.
- For SNH series following choices of seal are available:
 - ♦ Felt Seal : TC (with felt collar and O' Cord)
 - ♦ V Seal : TA
 - ♦ Double Lip Seal : TG
 - ♦ Labyrinth Seal : TS
 - ♦ Four Lip seal : TL
 - ♦ Taconite Seal : ND (radial seal)
TNC (axial seal)
- The choice of multiple seal makes SNH series much superior to previous series. Starting from medium load and speed, SNH can be selected for heavy duty and higher speed. It can also be used in dusty and hostile environment by using suitable seal which can protect bearing and lubricant efficiently.
- Bottom side face is very flat to allow provision of Drain Plug. Also in case of oil lubrication in housing, a threaded connection can be provided to fit oil level indicator.
- For shaft end option in housing, provision for an End Cover is made and designation by prefix A with shaft seal type: e.g. TC with end cover: ATC or TS with end cover: ATS etc.
- Four dimensional Series are available in SNH housings:
 - SNH 500 / SNH 600 - suitable for bearing with adapter sleeve (1200K; 1300K; 2200K; 2300K; 22200CCK, 22300CCK & 23200CCK)
 - SNH 200 / SNH 300 - suitable for bearing with cylindrical bore. (1200, 1300, 2200, 2300, 22200CC & 22300CC)
- In case of specific requirement, two or four slot foundation holes (instead of standard two slot holes) can be provided which gives additional rigidity to bearing housing installation. Such provisions are used where there is heavy vibration or severe loading condition in bearing operation. For such requirement, customer should use the following suffix with bearing housing size code. Refer Table for foundation slot size and center distances
 - MS1 - Two foundation slots hole
 - MS2 - Four foundation slots hole
- For extremely heavy load: SSNHD series with solid base, in Ductile Iron material with four elliptical foundation slots are available.
- Material for SNH series:
 - 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)
 Higher grades of the respective standard are supplied on request.
- The overall fitment dimensions of SNH type conform to International standard ISO 113; 2010, making it readily adaptable universally.



Bottom View

SNH 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

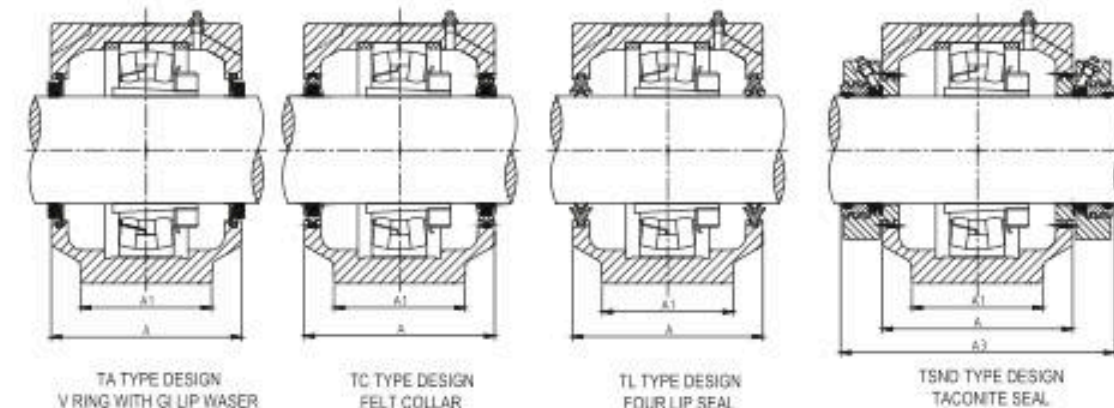


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing
Plummer Block SNH-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2Nos. per Housing
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNH 505	20	67	46	80	125	31.5	74	40	19	130	165	25	20	15	12	52	1.45	1205 EK + H 205 2205 EK + H 305 22205 EK + H 305	5/52 3.5/52 3.5/52	
SNH 506	25	77	52	89	135	36.5	89	50	22	150	185	32	20	15	12	62	2	1206 EK + H 206 2206 EK + H 306 22206 EK+ H 306	8/62 6/62 6/62	
SNH 605	20	135																1305 EK + H 305 2305 EK + H 2305	7.5/62 4/62	
SNH 507	30	82	52	94	145	46.5	93	50	22	150	185	34	20	15	12	72	2.2	1207 EK + H 207 2207 EK + H 307 22207 EK+ H 307	8.5/72 5.5/72 5.5/72	
SNH 606	25	140																1306 EK + H 306 2306 EK + H 306	7.5/72 3.5/72	
SNH 508	35	85	60	97	150	51.5	107	60	25	170	205	39	20	15	12	80	2.9	1208 EK + H 208 2208 EK + H 308 22208 EK+ H 308	10.5/80 8/80 8/80	
SNH 607	30	145																1307 EK + H 307 2307 EK + H 307	9/80 4/80	
SNH 509	40	85	60	97	150	56.5	109	60	25	170	205	30	20	15	12	85	2.9	1209 EK + H 209 2209 EK + H 309 22209 EK+ H 309	5.5/85 3.5/85 3.5/85	
SNH 510	45	90	60	102	155	62	113	60	25	170	205	41	20	15	12	90	3.2	1210 EK + H 210 2210 EK + H 310 22210 EK+ H 310	10.5/90 9/90 9/90	
SNH 608	35	150																1308 EK + H 308 2308 EK + H 2308 21308CCK+ H 308 22308 EK+ H 2308	9/90 4/90 9/90 4/90	
SNH 511	50	95	70	107	165	67	127	70	28	210	255	44	24	18	16	100	4.4	1211 EK + H 211 2211 EK + H 311 22211 EK+ H 311	11.5/100 9.5/100 9.5/100	
SNH 609	40	155																1309 EK + H 309 2309 EK + H 2309 21309CCK+ H 309 22309 EK + H 2309	9.5/100 4/100 9.5/100 4/100	

SNH 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

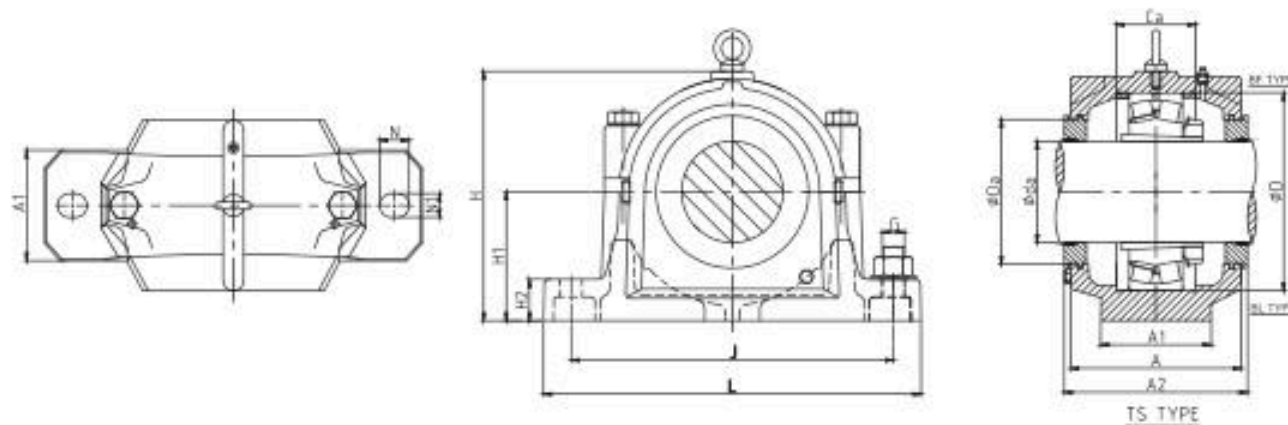


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing
Plummer Block SNH-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2Nos. per Housing
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNH 512	55	105	70	117	175	72	133	70	30	210	255	48	24	18	16	110	5.1	1212 EK + H 212 2212 EK + H 312 22212 EK + H 312	13/110 10/110 10/110	
SNH 610	45	165																1310 EK + H 310 2310 EK + H 2310 21310CCK+ H 310 22310 EK + H 2310	10.5/110 4/110 10.5/110 4/110	
SNH 513	60	110	80	122	180	77	148	80	30	230	275	51	24	18	16	120	6.5	1213 EK + H 213 2213 EK + H 313 22213 EK + H 313	14/120 10/120 10/120	
SNH 611	50	170																1311 EK + H 311 2311 EK + H 2311 21311CCK+ H 311 22311 EK + H 2311	11/120 4/120 11/120 4/120	
SNH 515	65	115	80	127	175	87	154	80	30	230	280	56	24	18	16	130	7	1215 EK + H 215 2215 EK + H 315 22215 EK + H 315	15.5/130 12.5/130 12.5/130	
SNH 612	55	175																1312 EK + H 312 2312 EK + H 2312 21312CCK+ H 312 22312 EK + H 2312	12.5/130 5/130 12.5/130 5/130	
SNH 516	70	120	90	138	205	92.5	175	95	32	260	315	58	28	22	20	140	9.5	1216 EK + H 216 2216 EK + H 316 22216 EK + H 316	16/140 12.5/140 12.5/140	
SNH 613	60	180																1313 EK + H 313 2313 EK + H 2313 21313CCK+ H 313 22313 EK + H 2313	12.5/140 5/140 12.5/140 5/140	
SNH 517	75	125	90	143	210	97.5	183	95	32	260	320	61	28	22	20	150	10	1217 EK + H 217 2217 EK + H 317 22217 EK + H 317	16.5/150 12.5/150 12.5/150	
SNH 518	80	140	100	158	225	102.5	193	100	35	290	345	65	28	22	20	160		12.5	1218 EK + H 218 2218 EK + H 318 22218 EK + H 318 23218CCK+ H 2318	17.5/160 12.5/160 12.5/160 6.25/160
SNH 615	65	200																1315 K + H 315 2315 EK + H 2315 21315CCK+ H 315 22315 EK + H 2315	14/160 5/160 14/160 5/160	

SNH 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

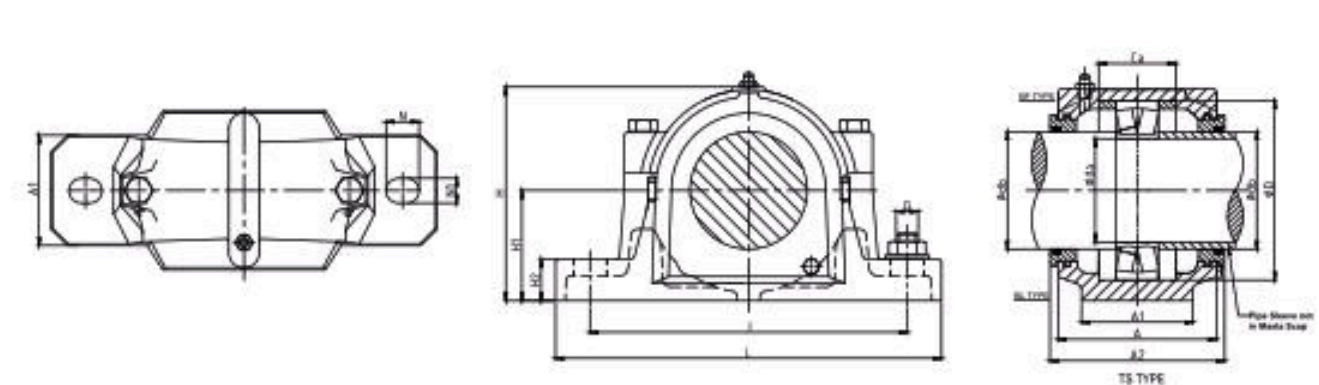


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing
Plummer Block SNH-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2Nos. per Housing
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNH 519	85	145	100	163	220	131	210	112	35	290	345	68	28	22	20	170	13.7	1219 EK + H 219 2219 EK + H 319 22219 EK+ H 319	18/170 12.5/170 12.5/170	
SNH 616	70				205													1316 EK + H 316 2316 EK + H 2316 21316CCK+ H 316 22316 EK+ H 2316	14.5/170 5/170 14.5/170 5/170	
SNH 520	90	160	110	178	230	137.5	215	112	40	320	380	70	32	26	24	180		17.6	1220 EK + H 220 2220 EK + H 320 22220 EK+ H 320 23220 CCK+ H 2320	18/180 12/180 12/180 4.85/180
SNH 617	75				220												1317 EK + H 317 2317 EK + H 2317 21317 CCK+ H 317 22317 EK+ H 2317		14.5/180 5/180 14.5/180 5/180	
SNH 522	100	175	120	191	250	147.5	239	125	45	350	410	80	32	26	24	200	22		1222 EK + H 222 2222 EK + H 322 22222 EK+ H 322 23222 CCK+ H 2322	21/200 13.5/200 13.5/200 5.1/200
SNH 619	85				235													1319 EK + H 319 2319 EK + H 2319 21319 CCK+ H 319 22319 EK+ H 2319	17.5/200 6.5/200 17.5/200 6.5/200	
SNH 524	110	185	120	199	260	157.5	271	140	45	350	410	86	32	26	24	215		26.2	1224 EK + H 3024 22224 EK+ H 3124 23224 CCK+ H 2324	22/215 14/215 5/215
SNH 620	90				240												1320 EK + H 320 2320 EK + H 2320 21320 CCK+ H 320 22320 EK+ H 2320		19.5/215 6.5/215 19.5/215 6.5/215	
SNH 526	115	190	130	208	265	167.5	290	150	50	380	445	90	35	28	24	230	33		22226 EK+ H 3126 23226 CCK+ H 2326	13/230 5/230
SNH 528	125	205	150	223	285	177.5	302	150	50	420	500	98	42	35	30	250		40	22228 CCK+ H 3128 23228 CCK+ H 2328	15/250 5/250
SNH 530	135	220	160	241	295	192.5	323	160	60	450	530	106	42	35	30	270			49	22230 CCK+ H 3130 23230 CCK+ H 2330
SNH 532	140	235	160	254	315	202.5	344	170	60	470	550	114	42	35	30	290	55			22232 CCK+ H 3132 23232 CCK+ H 2332

SNH 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

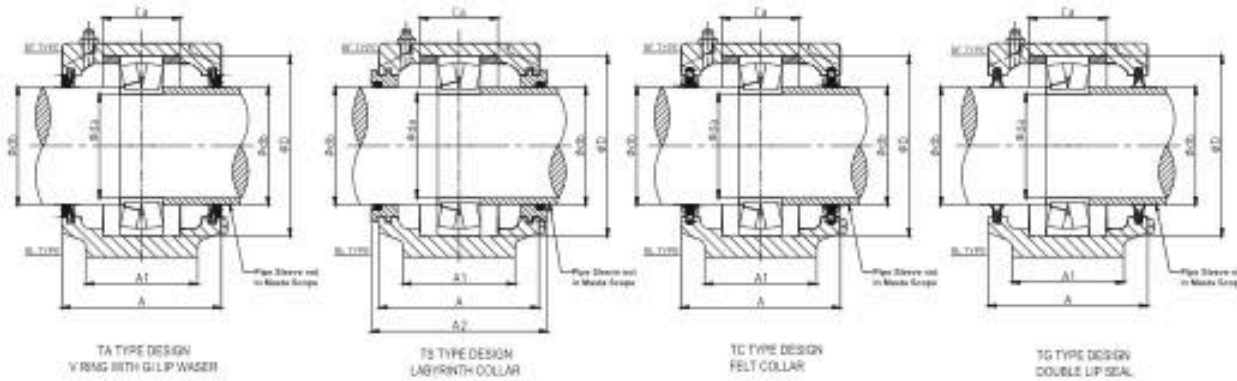


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing
Plummer Block SNH-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNH 205	25	30	67	46	80	36.5	74	40	19	130	165	25	20	15	12	52	1.4	1205 E 2205 E 22205 E	5/52 3.5/52 3.5/52
SNH 206	30	35	77	52	89	46.5	89	50	22	150	185	32	20	15	12	62	1.9	1206 E 2206 E 22206 E	8/62 6/62 6/62
SNH 305	25	30																1305 E 2305 E 21305 CC	7.5/62 4/62 7.5/62
SNH 207	35	45	82	52	96	56.5	93	50	22	150	185	34	20	15	12	72	2.1	1207 E 2207 E 22207 CC	8.5/72 5.5/72 5.5/72
SNH 306	30	35																1306 E 2306 E 21306 CC	7.5/72 3.5/72 7.5/72
SNH 208	40	50	85	60	99	62	107	60	25	170	205	39	20	15	12	80	2.75	1208 E 2208 E 22208 CC	10.5/80 8/80 8/80
SNH 307	35	45																1307 E 2307 E 21307 CC	9/80 4/80 9/80
SNH 209	45	55	85	60	97	67	109	60	25	170	205	30	20	15	12	85	2.75	1209 E 2209 E 22209 CC	5.5/85 3.5/85 3.5/85
SNH 210	50	60	90	60	102	72	113	60	25	170	205	41	20	15	12	90	3	1210 E 2210 E 22210 CC	10.5/90 9/90 9/90
SNH 308	40	50																1308 E 2308 E 21308 CC 22308 CC	9/90 4/90 9/90 4/90
SNH 211	55	65	95	70	127	77	127	70	28	210	255	44	24	18	16	100	4.2	1211 E 2211 E 22211 E	11.5/100 9.5/100 9.5/100
SNH 309	45	55																1309 E 2309 E 21309CC 22309 CC	9.5/100 4/100 9.5/100 4/100

SNH 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



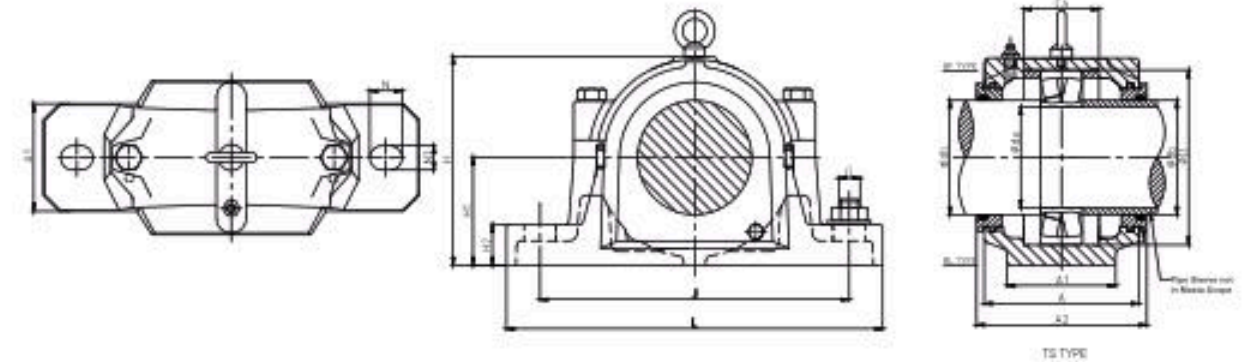
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNH-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size/Two Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNH 212	60	70	105	70	117	87	133	70	30	210	255	48	24	18	16	110	4.75	1212 E 2212 E 22212 E	13/110 10/110 10/110
SNH 310	50	60																1310 E 2310 E 21310CC 22310 E	10.5/110 4/110 10.5/110 4/110
SNH 213	65	75	110	80	122	92.5	148	80	30	230	275	51	24	18	16	120	6.1	1213 E 2213 E 22213 E	14/120 10/120 10/120
SNH 311	55	65																1311 E 2311 E 21311CC 22311 E	11/120 4/120 11/120 4/120
SNH 215	75	85	115	80	127	102.5	154	80	30	230	280	56	24	18	16	130	6.6	1215 E 2215 E 22215 E	15.5/130 12.5/130 12.5/130
SNH 312	60	70																1312 E 2312 E 21312CC 22312 E	12.5/130 5/130 12.5/130 5/130
SNH 216	80	90	120	90	138	108	175	95	32	260	315	58	28	22	20	140	9	1216 E 2216 E 22216 E	16/140 12.5/140 12.5/140
SNH 313	65	75																1313 E 2313 E 21313CC 22313 E	12.5/140 5/140 12.5/140 5/140
SNH 217	85	95	125	90	143	112	183	95	32	260	320	61	28	22	20	150	9.5	1217 E 2217 E 22217 E	16.5/150 12.5/150 12.5/150
SNH 314	70	80																1314 E 2314 E 21314CC 22314 E	13/150 5/150 13/150 5/150
SNH 218	90	100	140	100	158	120	193	100	35	290	345	65	27	22	20	160	11.8	1218 E 2218 E 22218 E 23218CC	17.5/160 12.5/160 12.5/160 6.25/160
SNH 315	75	85																1315 E 2315 E 21315CC 22315 E	14/160 5/160 14/160 5/160

SNH 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



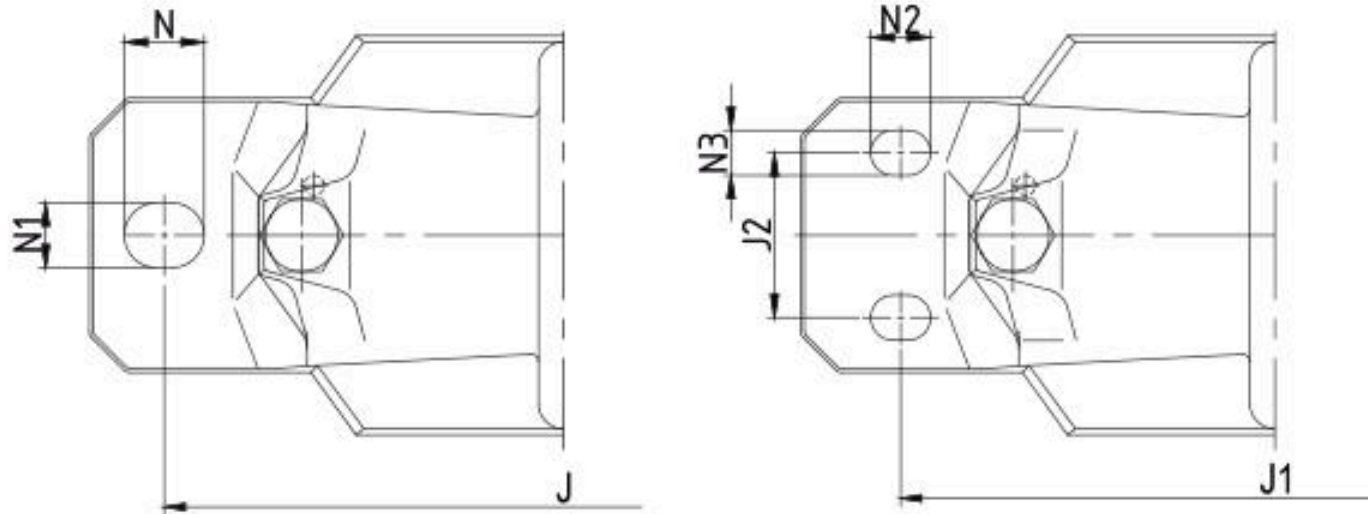
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNH-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size/Two Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNH 219	95	110	145	100	163	131	210	112	35	290	345	68	28	22	20	170	13.7	1219 E 2219 E 22219 E	18/170 12.5/170 12.5/170
SNH 316	80	90																1316 E 2316 E 21316CC 22316 E	14.5/170 5/170 14.5/170 5/170
SNH 220	100	115	160	110	178	137.5	215	112	40	320	380	70	32	26	24	180	17.6	1220 E 2220 E 22220 E 23220CC	18/180 12/180 12/180 4.85/180
SNH 317	85	95																1317 E 2317 E 21317CC 22317 E	14.5/180 5/180 14.5/180 5/180
SNH 222	110	125	175	120	191	147.5	239	125	45	350	410	80	32	26	24	200	22	1222 E 2222 E 22222 E 23222CC	21/200 13.5/200 13.5/200 5.1/200
SNH 319	95	110																1319 E 2319 E 21319CC 22319 E	17.5/200 6.5/200 17.5/200 6.5/200
SNH 224	120	135	185	120	199	157.5	271	140	45	350	410	86	32	26	24	215	26.2	1224 E 2224 E 23224CC	22/215 14/215 5/215
SNH 320	100	115																1320 E 2320 E 21320CC 22320 E	19.5/215 6.5/215 19.5/215 6.5/215
SNH 226	130	145	190	130	208	167.5	290	150	50	380	445	90	35	28	24	230	33	1226 E 2226 E 23226CC	22/230 13/230 5/230
SNH 228	140	155	205	150	223	177.5	302	150	50	420	500	98	42	35	30	250	40	22228CC 23228CC	15/250 5/250
SNH 230	150	165	220	160	241	192.5	323	160	60	450	530	106	42	35	30	270	49	22230CC 23230CC	16.5/270 5/270
SNH 232	160	175	235	160	254	202.5	344	170	60	470	550	114	42	35	30	290	55	22232CC 23232CC	17/290 5/290

SNH 500 SERIES

Plummer Blocks (Bearing Housings)
For Foundation Holes



Housing Designation	Dimension For Two Hole Base (MS1)			Suitable Bolt Size	Dimension For Four Hole Base (MS2)				Suitable Bolt Size
	J	N	N1		J1	J2	N2	N3	
SNH 511-609	210	24	18	M 16	200	40	20	15	M 12
SNH 512-610	210	24	18	M 16	200	40	20	15	M 12
SNH 513-611	230	24	18	M 16	220	48	20	15	M 12
SNH 515-612	230	24	18	M 16	220	48	20	15	M 12
SNH 516-613	260	28	22	M 20	250	52	24	18	M 16
SNH 517-614	260	28	22	M 20	250	52	24	18	M 16
SNH 518-615	290	28	22	M 20	280	58	24	18	M 16
SNH 519-616	290	28	22	M 20	280	58	24	18	M 16
SNH 520-617	320	32	26	M 24	300	66	24	18	M 16
SNH 522-619	350	32	26	M 24	320	74	24	18	M 16
SNH 524-620	350	32	26	M 24	330	74	24	18	M 16
SNH 526	380	35	28	M 24	370	80	28	22	M 20
SNH 528	420	42	35	M 30	400	92	32	26	M 24
SNH 530	450	42	35	M 30	430	100	32	26	M 24
SNH 532	470	42	35	M 30	450	100	32	26	M 24

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SNH



SNH 500-600 SERIES	SNH 200-300 SERIES	Values for Cap Bolts		Values for Foundation Bolts		Recommended Initial Grease filled Quantity	
		Bolt Size	Tightening torque Nm	Bolt Size	Tightening torque Nm	First fill 40 % Gram	First fill 20 % Gram
SNH 505	SNH 205	M10x40	50	M12	80	25	15
SNH 506-605	SNH 206-305	M10x40	50	M12	80	40	25
SNH 507-606	SNH 207-306	M10x50	50	M12	80	50	30
SNH 508-607	SNH 208-307	M10x50	50	M12	80	60	35
SNH 509	SNH 209	M10x50	50	M12	80	65	40
SNH 510-608	SNH 210-308	M10x55	50	M12	80	75	45
SNH 511-609	SNH 211-309	M12x60	80	M16	200	100	60
SNH 512-610	SNH 212-310	M12x60	80	M16	200	150	90
SNH 513-611	SNH 213-311	M12x65	80	M16	200	180	110
SNH 515-612	SNH 215-312	M12x65	80	M20	385	230	140
SNH 516-613	SNH 516-613	M12x70	80	M20	385	280	170
SNH 517	SNH 217-314	M12x80	80	M20	385	330	200
SNH 518-615	SNH 218-315	M16x90	150	M20	385	430	260
SNH 519-616	SNH 219-316	M16x90	150	M20	385	480	300
SNH 520-617	SNH 220-317	M16x100	150	M24	385	630	390
SNH 522-619	SNH 222-319	M20x100	200	M24	665	850	530
SNH 524-620	SNH 224-320	M20x110	200	M24	665	1000	630
SNH 526	SNH 226	M24x130	350	M24	665	1100	700
SNH 528	SNH 228	M24x130	350	M30	1310	1400	900
SNH 530	SNH 230	M24x130	350	M30	1310	1700	1100
SNH 532	SNH 232	M24x130	350	M30	1310	2000	1300

SNL SERIES BEARING HOUSINGS

SNL Series is much superior design and upgraded construction as compared to the previous series like SN, SNA and SNH. As basic principle, the SNL series too is easily adaptable in basic dimensions, that is, one can readily replace with previous series SN, SNA and SNH. Looking to increasing technical demand in the field, many more features in SNL series are added which makes it an universal product.



Bottom View



TECHNICAL DETAIL AND PRODUCT FEATURE

- Design upgrading and construction of SNL series imparts this series more strength and ease of operating conditions like higher temperature and higher vibration, as well as many variants to help with easy maintenance. Streamlined construction of SNL is well matched with the foundry process, which aims its best to produce zero-defect castings. The hollow bottom base is strengthened 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 the SNL series to be a preferred choice for vibration application, especially in fan industries. The special construction of SNL also enables better heat dissipation through its walls and bottom. The inside cavity of SNL is made more suitable to allow smooth flow of oil during operation.

SNL SERIES BEARING HOUSINGS

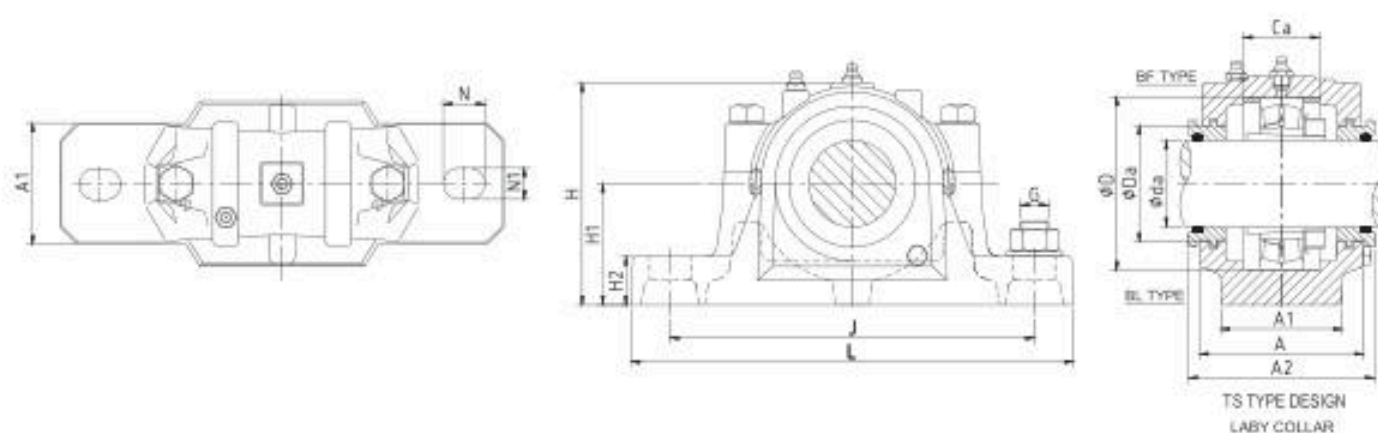
TECHNICAL DETAIL AND PRODUCT FEATURE

- SNL Series is horizontally split type bearing housing which has advantage like ease during maintenance and also ease while changing the bearing.
- Shaft diameter 20 mm to 140 mm for taper bore bearing and 25mm to 160mm for straight bore bearing, which is the limiting range for use of suitable bearing for this series.
- For located bearing option in the axial direction, the provision for locating ring is available. Depending upon bearing size, one or two locating rings are used.
- SNL housings are suitable for the grease as well as oil lubrication.
- A number of dimples are provided on two pads on cap. Conveniently a grease nipple is provided on top for relubrication. The location of the grease nipple will be in the center of cap width, when W33 type bearing (which is having Annular Groove inside) is used. A sensor for condition monitoring (for online vibration and temperature measurements) can be fitted as required on these pads on the cap or base.
- For SNL series a number of choices of seals are available:
 - ♦ Felt Seal : TC (with felt collar and O' Cord)
 - ♦ V Seal : TA (V-ring seal with galvanised rubber with lipped sheet metal ring.
 - ♦ Double Lip Seal : TG
 - ♦ Labyrinth Seal : TS
 - ♦ Four Lip seal : TL
 - ♦ Taconite Seal : ND (radial seal) and TNC (axial seal manufacture as per required dimension)
- The choice of multiple seal makes SNL series much superior to previous series. Starting from medium load and speed, SNL can be selected for heavy-duty and higher-speed. It can also be used in dusty and hostile environment by using suitable seal, which can protect bearing and lubricant efficiently. To much advantage Four Lip seal can be fitted to SNL 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 SNL housing. The Taconite seal is comprised of multiple sealing arrangements inside. It is considered as the first choice for the arduous conditions such those in mining industries.

- On one side at the base there is provision of drain plug. Also, in case of oil lubrication in housing, a threaded connection can be provided to fit the oil level indicator.
- For the shaft end option in the housing assembly, provision for an end cover is available. For identification, prefix A with seal designation is used, eg. TA(V ring seal) : ATA, etc.
- Four dimensional Series are available in SNL housings:
 - SNL 500 / SNL 600 - suitable for bearing with adapter sleeve (1200 EK; 1300 EK; 2200 EK; 2300 EK; 22300CCK & 22200CCK 23200CCK)
 - SNL 200 / SNL 300 - suitable for bearing with cylindrical bore. (1200, 1300, 2200, 2300, 22200CC, 22300CC & 23200CC)
- Material for SNL series:
 - 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 case of a specific requirement, two or four slot foundation holes (instead of standard two slot holes) can be provided which gives additional rigidity to bearing housing installation. Such provisions, are used where there is heavy vibration or severe loading condition in bearing operation. For such a requirement, the customer should use the following suffix with bearing housing size code. Refer Table for foundation holes size and center distances
 - MS1 - Two foundation slot hole
 - MS2 - Four foundation slot hole
- For extremely heavy load: **SSNLD series** with solid base, in ductile iron material with four foundation slots are available which gives additional rigidity to bearing housing installation. Such provisions are used where there is heavy vibration or severe loading on bearing housing.
- The overall fitment dimensions of SNL type conform to international standard ISO 113; 2010, making it readily adaptable universally.

SNL 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



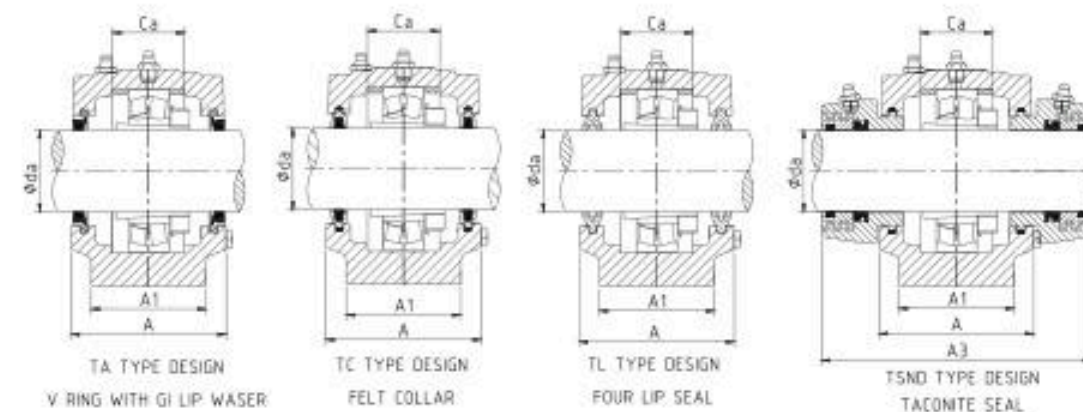
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2 Nos. per Housing
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNL 505	20	67	46	80	125	31.5	71	40	19	130	165	25	20	15	12	52	1.45	1205 EK + H 205 2205 EK + H 305 22205 EK + H 305	5/52 3.5/52 3.5/52	
SNL 506	25	77	52	89	135	36.5	89	50	22	150	185	32	20	15	12	62	2	1206 EK + H 206 2206 EK + H 306 22206 EK + H 306	8/62 6/62 6/62	
SNL 605	20				135													1305 EK + H 305 2305 EK + H 2305	7.5/62 4/62	
SNL 507	30	82	52	94	145	46.5	93	50	22	150	185	34	20	15	12	72	2.2	1207 EK + H 207 2207 EK + H 307 22207 EK + H 307	8.5/72 5.5/72 5.5/72	
SNL 606	25				140													1306 EK + H 306 2306 EK + H 2306	7.5/72 3.5/72	
SNL 508	35	85	60	97	150	51.5	108	60	25	170	205	39	20	15	12	80	2.9	1208 EK + H 208 2208 EK + H 308 22208 EK + H 308	10.5/80 8/80 8/80	
SNL 607	30				145		108											1307 EK + H 307 2307 EK + H 307	9/80 4/80	
SNL 509	40	85	60	97	150	56.5	109	60	25	170	205	30	20	15	12	85	2.9	1209 EK + H 209 2209 EK + H 309 22209 CCK + H 309	5.5/85 3.5/85 3.5/85	
SNL 510	45	90	60	102	150	62	113	60	25	170	205	41	20	15	12	90		3.2	1210 EK + H 210 2210 EK + H 310 22210 CCK + H 310	10.5/90 9/90 9/90
SNL 608	35				155												1308 EK + H 308 2308 EK + H 2308 21308 CCK + H 308 22308 CCK + H 2308		9/90 4/90 9/90 4/90	
SNL 511	50	95	70	107	165	67	128	70	28	210	255	44	24	18	16	100	4.4	1211 EK + H 211 2211 EK + H 311 22211 EK + H 311	11.5/100 9.5/100 9.5/100	
SNL 609	40				155													1309 EK + H 309 2309 EK + H 2309 21309CCK + H 309 22309 EK + H 2309	9.5/100 4/100 9.5/100 4/100	

SNL 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



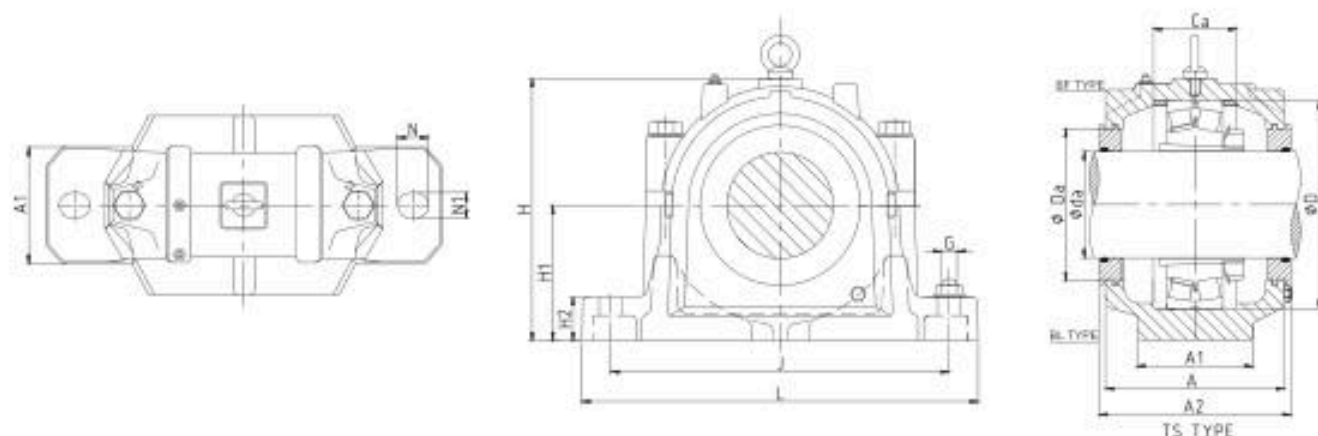
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm															Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2 Nos. per Housing	
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNL 512	55	105	70	117	175	72	134	70	30	210	255	48	24	18	16	110	5.1	1212 EK + H 212 2212 EK + H 312 22212 EK+ H 312	13/110 10/110 10/110	
SNL 610	45				165		133											1310 CCK + H 310 2310 EK + H 2310 21310 CCK+ H 310 22310 EK + H 2310	10.5/110 4/110 10.5/110 4/110	
SNL 513	60	110	80	122	180	77	149	80	30	230	275	51	24	18	16	120		6.5	1213 EK + H 213 2213 EK + H 313 22213 CK+ H 313	14/120 10/120 10/120
SNL 611	50				170		148										1311 EK + H 311 2311 EK + H 2311 2131CCK+ H 311 22311 EK+ H 2311		11/120 4/120 11/120 4/120	
SNL 515	65	115	80	127	175	87	154	80	30	230	280	56	24	18	16	130	7		1215 EK + H 215 2215 EK + H 315 22215 EK+ H 315	15.5/130 12.5/130 12.5/130
SNL 612	55				175													1312 EK + H 312 2312 EK + H 2312 21312CCK+ H 312 22312 EK+ H 2312	12.5/130 5/130 12.5/130 5/130	
SNL 516	70	120	90	138	205	92.5	177	95	32	260	315	58	28	22	20	140		9.5	1216 EK + H 216 2216 EK + H 316 22216 EK+ H 316	16/140 12.5/140 12.5/140
SNL 613	60				180		175										1313 EK + H 313 2313 EK + H 2313 21313CCK+ H 313 22313 EK+ H 2313		12.5/140 5/140 12.5/140 5/140	
SNL 517	75	125	90	143	210	97.5	183	95	32	260	320	61	28	22	20	150	10		1217 EK + H 217 2217 EK + H 317 22217 EK+ H 317	16.5/150 12.5/150 12.5/150
SNL 518	80	140	100	158	225	102.5	194	100	35	290	345	65	28	22	20	160		12.5	1218 EK + H 218 2218 EK + H 318 22218 EK+ H 318 23218CCK+ H 2318	17.5/160 12.5/160 12.5/160 6.25/160
SNL 615	65				200		193												1315 EK + H 315 2315 EK + H 2315 21315CCK+ H 315 22315 EK+ H 2315	14/160 5/160 14/160 5/160

SNL 500 & 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



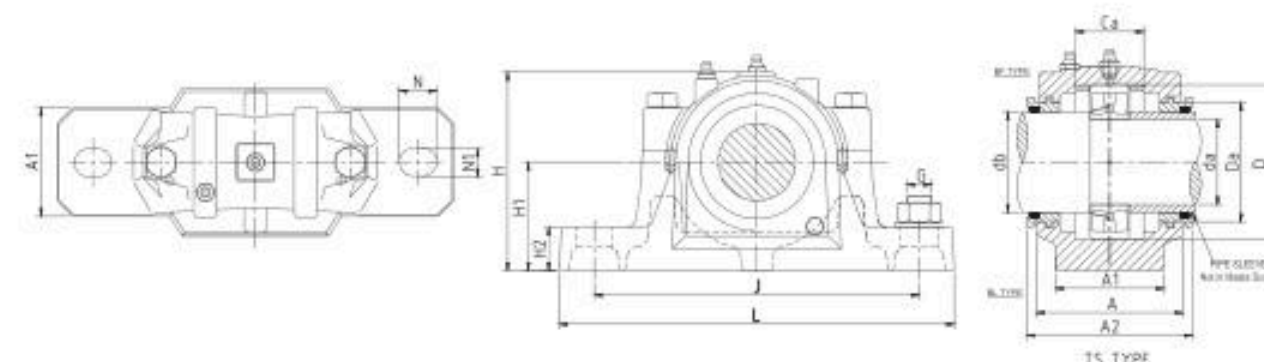
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-524/620 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia (da) mm	Dimension in mm																Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2 Nos. per Housing
		A	A1	A2	A3	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNL 519	85	145	100	163	220	131	212	112	35	290	345	68	28	22	20	170	13.7	1219 EK + H 219 2219 EK + H 319 22219 EK+ H 319	18/170 12.5/170 12.5/170	
SNL 616	70				205		210											1316 EK + H 316 2316 EK + H 2316 21316 CCK+ H 316 22316 EK+ H 2316	14.5/170 5/170 14.5/170 5/170	
SNL 520	90	160	110	178	230	137.5	218	112	40	320	380	70	32	26	24	180		17.6	1220 EK + H 220 2220 EK + H 320 22220 EK+ H 320 23220 CCK+ H 2320	18/180 12/180 12/180 4.85/180
SNL 617	75				220		215										1317 EK + H 317 2317 EK + H 2317 21317 CCK+ H 317 22317 EK+ H 2317		14.5/180 5/180 14.5/180 5/180	
SNL 522	100	175	120	191	250	147.5	242	125	45	350	410	80	32	26	24	200	22		1222 EK + H 222 2222 EK + H 322 22222 EK+ H 322 23222 CCK+ H 2322	21/200 13.5/200 13.5/200 5.1/200
SNL 619	85				235		242											1319 EK + H 319 2319 EK + H 2319 21319 CCK+ H 319 22319 EK+ H 2319	17.5/200 6.5/200 17.5/200 6.5/200	
SNL 524	110	185	120	199	260	157.5	271	140	45	350	410	86	32	26	24	215		26.2	1224 EK + H 3124 22224 EK+ H 3124 23224 CCK+ H 2324	22/215 14/215 5/215
SNL 620	90				240												1320 EK + H 320 2320 EK + H 2320 21320 CCK+ H 320 22320 EK+ H 2320		19.5/215 6.5/215 19.5/215 6.5/215	
SNL 526	115	190	130	208	265	167.5	290	150	50	380	445	90	35	28	24	230	33		22226 EK+ H 3126 23226 CCK+ H 2326	13/230 5/230
SNL 528	125	205	150	223	285	177.5	302	150	50	420	500	98	42	35	30	250		40	22228 CCK+ H 3128 23228 CCK+ H 2328	15/250 5/250
SNL 530	135	220	160	241	295	192.5	323	160	60	450	530	106	42	35	30	270			49	22230 CCK+ H 3130 23230 CCK+ H 2330
SNL 532	140	235	160	254	315	202.5	344	170	60	470	550	114	42	35	30	290	55			22232 CCK+ H 3132 23232 CCK+ H 2332

SNL 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



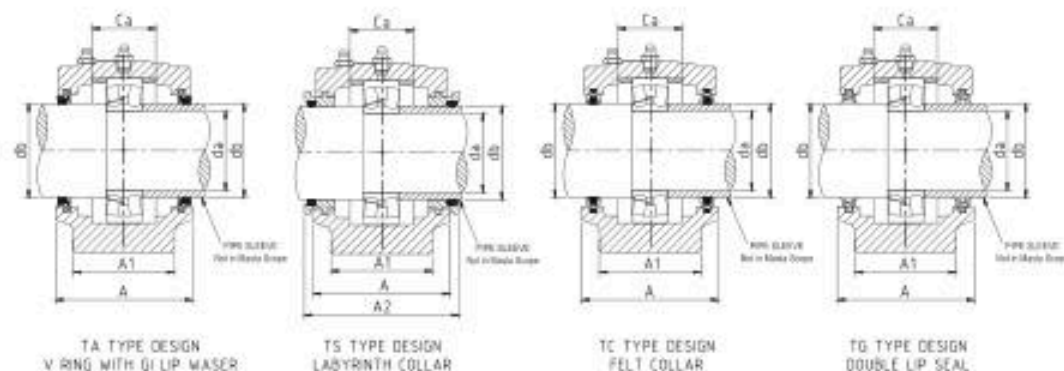
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2 Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNL 205	25	30	67	46	80	36.5	74	40	19	130	165	25	20	15	12	52	1.4	1205 E 2205 E 22205 E	5/52 3.5/52 3.5/52
SNL 206	30	35	77	52	89	46.5	89	50	22	150	185	32	20	15	12	62	1.9	1206 E 2206 E 22206 E	8/62 6/62 6/62
SNL 305	25	30																1305 E 2305 E 21305 CC	7.5/62 4/62 7.5/62
SNL 207	35	45	82	52	94	56.5	93	50	22	150	185	34	20	15	12	72	2.1	1207 E 2207 E 22207 E	8.5/72 5.5/72 5.5/72
SNL 306	30	35																1306 E 2306 E 21306 CC	7.5/72 3.5/72 7.5/72
SNL 208	40	50	85	60	97	62	108	60	25	170	205	39	20	15	12	80	2.75	1208 E 2208 E 22208 E	10.5/80 8/80 8/80
SNL 307	35	45																1307 E 2307 E 21307 CC	9/80 4/80 9/80
SNL 209	45	55	85	60	97	67	109	60	25	170	205	30	20	15	12	85	2.75	1209 E 2209 E 22209 E	5.5/85 3.5/85 3.5/85
SNL 210	50	60	90	60	102	72	113	60	25	170	205	41	20	15	12	90	3	1210 E 2210 E 22210 E	10.5/90 9/90 9/90
SNL 308	40	50																1308 E 2308 E 21308CC 22308 E	9/90 4/90 9/90 4/90
SNL 211	55	65	95	70	107	77	128	70	28	210	255	44	24	18	16	100	4.2	1211 E 2211 E 22211 E	11.5/100 9.5/100 9.5/100
SNL 309	45	55																1309 E 2309 E 21309CC 22309 E	9.5/100 4/100 9.5/100 4/100

SNL 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



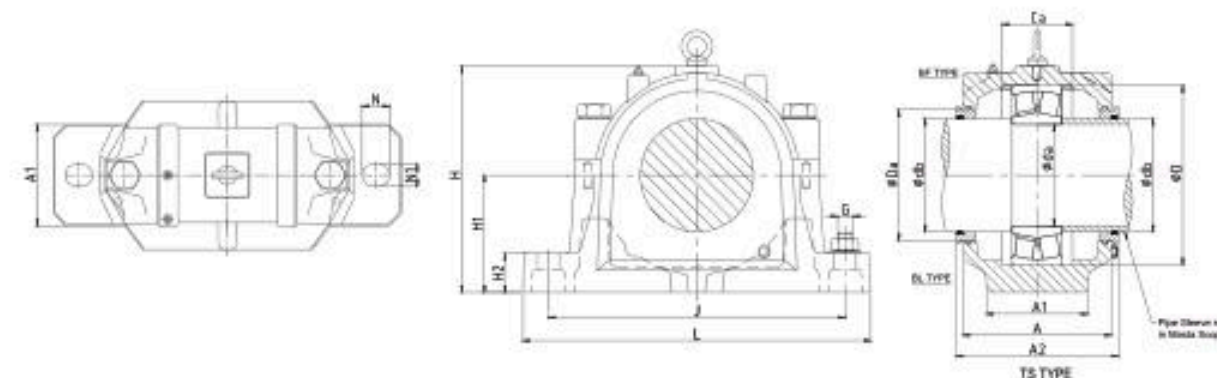
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-224/320 and above are supplied with eye bolt on cap

Plummer Blocks Designation	Shaft Dia		Dimension in mm															Approx Weight Kg	Bearing with Adapter Sleeve	Locating Ring Size 2 Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNL 212	60	70	105	70	117	87	134	70	30	210	255	48	24	18	16	110	4.75	1212 E 2212 E 22212 E	13/110 10/110 10/110	
SNL 310	50	60																1310 E 2310 E 21310 CC 22310 E	10.5/110 4/110 10.5/110 4/110	
SNL 213	65	75	110	80	122	92.5	149	80	30	230	275	51	24	18	16	120	6.1	1213 E 2213 E 22213 E	14/120 10/120 10/120	
SNL 311	55	65																1311 E 2311 E 2131 CC 22311 E	11/120 4/120 11/120 4/120	
SNL 215	75	85	115	80	127	102.5	155	80	30	230	280	56	24	18	16	130	6.6	1215 E 2215 E 22215 E	15.5/130 12.5/130 12.5/130	
SNL 312	60	70																1312 E 2312 E 21312CC 22312 E	12.5/130 5/130 12.5/130 5/130	
SNL 216	80	90	120	90	138	108	177	95	32	260	315	58	28	22	20	140	9	1216 E 2216 E 22216 E	16/140 12.5/140 12.5/140	
SNL 313	65	75																1313 E 2313 E 21313 CC 22313 E	12.5/140 5/140 12.5/140 5/140	
SNL 217	85	95	125	90	143	112	183	95	32	260	320	61	28	22	20	150	9.5	1217 E 2217 E 22217 E	16.5/150 12.5/150 12.5/150	
SNL 314	70	80																1314 E 2314 E 21314 CC 22314 E	13/150 5/150 13/150 5/150	
SNL 218	90	100	140	100	158	120	194	100	35	290	345	65	28	22	20	160	11.8	1218 E 2218 E 22218 E 23218 CC	17.5/160 12.5/160 12.5/160 6.25/160	
SNL 315	75	85																1315 E 2315 E 21315 CC 22315 E	14/160 5/160 14/160 5/160	

SNL 200 & 300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



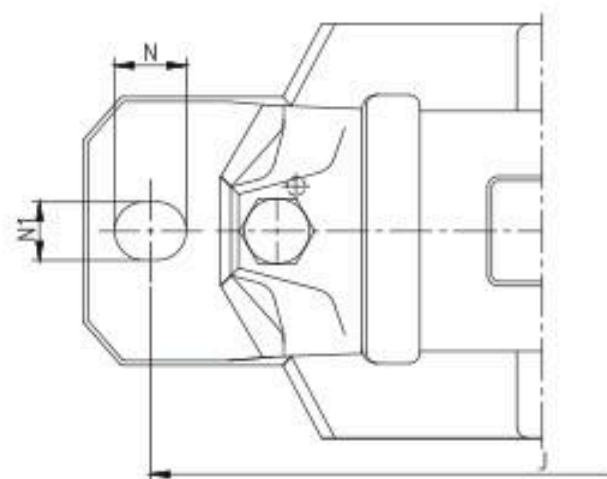
BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Block SNL-224/320 and above are supplied with eye bolt on cap

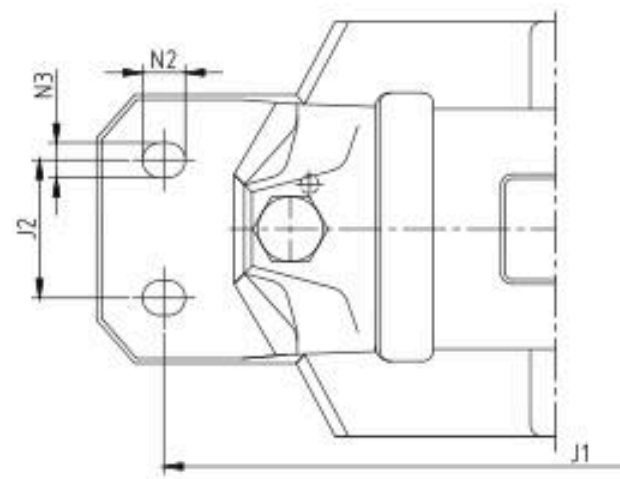
Plummer Blocks Designation	Shaft Dia		Dimension in mm														Approx Weight Kg	Bearing with Adaptor Sleeve	Locating Ring Size 2 Nos. per Housing
	da	db	A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D			
SNL 219	95	110	145	100	163	131	210	112	35	290	345	68	28	22	20	170	13.9	1219 E 2219 E 22219 E	18/170 12.5/170 12.5/170
SNL 316	80	90					210											1316 E 2316 E 21316CC 22316 E	14.5/170 5/170 14.5/170 5/170
SNL 220	100	115	160	110	178	137.5	218	112	40	320	380	70	32	26	24	180	17.6	1220 E 2220 E 22220 E 23220CC	18/180 12/180 12/180 4.85/180
SNL 317	85	95																1317 E 2317 E 21317 CC 22317 E	14.5/180 5/180 14.5/180 5/180
SNL 222	110	125	175	120	191	147.5	242	125	45	350	410	80	32	26	24	200	22	1222 E 2222 E 22222 E 23222CC	21/200 13.5/200 13.5/200 5.1/200
SNL 319	95	110																1319 E 2319 E 21319 CC 22319 E	17.5/200 6.5/200 17.5/200 6.5/200
SNL 224	120	135	185	120	199	157.5	271	140	45	350	410	86	32	26	24	215	26.2	1224 E 2224 E 23224 CC	22/215 14/215 5/215
SNL 320	100	115																1320 E 2320 E 21320CC 22320 E	19.5/215 6.5/215 19.5/215 6.5/215
SNL 226	130	145	190	130	208	167.5	290	150	50	380	445	90	35	28	24	230	33	1226 E 2226 E 23226 CC	22/230 13/230 5/230
SNL 228	140	155	205	150	223	177.5	302	150	50	420	500	98	42	35	30	250	40	2228 CC 23228 CC	15/250 5/250
SNL 230	150	165	220	160	241	192.5	323	160	60	450	530	106	42	35	30	270	49	2230 CC 23230 CC	16.5/270 5/270
SNL 232	160	175	235	160	254	202.5	344	170	60	470	550	114	42	35	30	290	55	2232 CC 23232 CC	17/290 5/290

SNL SERIES

Plummer Blocks (Bearing Housings)
For Foundation Holes



FOR TWO HOLE (MS 1)



FOR FOUR HOLE (MS 2)

Housing Designation	Dimension For Two Hole Base (MS1)			Suitable Bolt Siz	Dimension For Four Hole Base (MS2)				Suitable Bolt Size
	J	N	N1		J1	J2	N2	N3	
SNL 511-609	210	24	18	M 16	210	35	20	15	M 12
SNL 512-610	210	24	18	M 16	210	35	20	15	M 12
SNL 513-611	230	24	18	M 16	230	40	20	15	M 12
SNL 515-612	230	24	18	M 16	230	40	20	15	M 12
SNL 516-613	260	28	22	M 20	260	50	24	18	M 16
SNL 517-614	260	28	22	M 20	260	50	24	18	M 16
SNL 518-615	290	28	22	M 20	290	54	24	18	M 16
SNL 519-616	290	28	22	M 20	290	54	24	18	M 16
SNL 520-617	320	32	26	M 24	320	60	24	18	M 16
SNL 522-619	350	32	26	M 24	350	70	24	18	M 16
SNL 524-620	350	32	26	M 24	350	70	24	18	M 16
SNL 526	380	35	28	M 24	380	70	28	22	M 20
SNL 528	420	42	35	M 30	420	80	32	26	M 24
SNL 530	450	42	35	M 30	450	90	32	26	M 24
SNL 532	470	42	35	M 30	470	90	32	26	M 24

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SNL



SNL 500-600 SERIES	SNL 200-300 SERIES	Values for Cap Bolts		Values for Foundation Bolts		Recommended Initial Grease filled Quantity	
		Bolt Size	Tightening torque Nm	Bolt Size	Tightening torque Nm	First fill 40 % Gram	First fill 20 % Gram
SNL 505	SNL 205	M10x40	50	M12	80	25	15
SNL 506-605	SNL 206-305	M10x40	50	M12	80	40	25
SNL 507-606	SNL 207-306	M10x50	50	M12	80	50	30
SNL 508-607	SNL 208-307	M10x50	50	M12	80	60	35
SNL 509	SNL 209	M10x50	50	M12	80	65	40
SNL 510-608	SNL 210-308	M10x55	50	M12	80	75	45
SNL 511-609	SNL 211-309	M12x60	80	M16	200	100	60
SNL 512-610	SNL 212-310	M12x60	80	M16	200	150	90
SNL 513-611	SNL 213-311	M12x65	80	M16	200	180	110
SNL 515-612	SNL 215-312	M12x65	80	M20	385	230	140
SNL 516-613	SNL 216-313	M12x70	80	M20	385	280	170
SNL 517	SNL 217-314	M12x80	80	M20	385	330	200
SNL 518-615	SNL 218-315	M16x90	150	M20	385	430	260
SNL 519-616	SNL 219-316	M16x90	150	M20	385	480	300
SNL 520-617	SNL 220-317	M16x100	150	M24	385	630	390
SNL 522-619	SNL 222-319	M20x100	200	M24	665	850	530
SNL 524-620	SNL 224-320	M20x110	200	M24	665	1000	630
SNL 526	SNL 226	M24x130	350	M24	665	1100	700
SNL 528	SNL 228	M24x130	350	M30	1310	1400	900
SNL 530	SNL 230	M24x130	350	M30	1310	1700	1100
SNL 532	SNL 232	M24x130	350	M30	1310	2000	1300

SNL 30/31/32 SERIES BEARING HOUSINGS

A further developed and revised series of SNL has main purpose of accommodating larger size bearing of range 30, 31 and 32; hence it is termed as SNL Large Series. The construction of SNL large housing is basically same as regular SNL series, but a number of additional features are included considering its size and huge load it has to handle. Construction of base with its hollow bottom is focused for such purpose while developing this series.

SNL Large 30, 31 and 32 series are suitable for appropriate series of bearing with taper bore and straight bore. Among this large housings variety, the SNL3100 series is interchangeable with SD3100 series since the mounting and major dimensions are maintained.

SNL large housings are designed to provide better support to bearing with efficient lubrication and better heat dissipation. This enables the housing series to provide maximum bearing life and trouble free services with very less maintenance. SNL large series offers easy alignment and handling while installation. There is also scope for making provision for temperature and vibration measuring facility for trouble free operation in continuous running plant. Such provision can be made available upon specific request while ordering.

SNL large is preferred by heavy duty industries and applications like material handling, conveyors, Mining and Construction, Paper Industries, Cement and Steel industries, power plants etc.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Design upgradation and construction of SNL large series imparts this series more strength, ease of operating conditions like higher temperature and higher vibration as well as many variants to help easy maintenance.

The hollow bottom base is strengthened with four ribs at side and two more end ribs which allows increased load carrying capacity.

- Among other characteristics, this housing provides better service life. This quality enables SNL large series most suitable for vibration application, especially in fan industries. The special construction of SNL Large also enables better heat dissipation through it's walls as well as base.
- The inside cavity of SNL large is made more suitable to allow smooth flow of oil during operation.



SNL 30/31/32 SERIES BEARING HOUSINGS



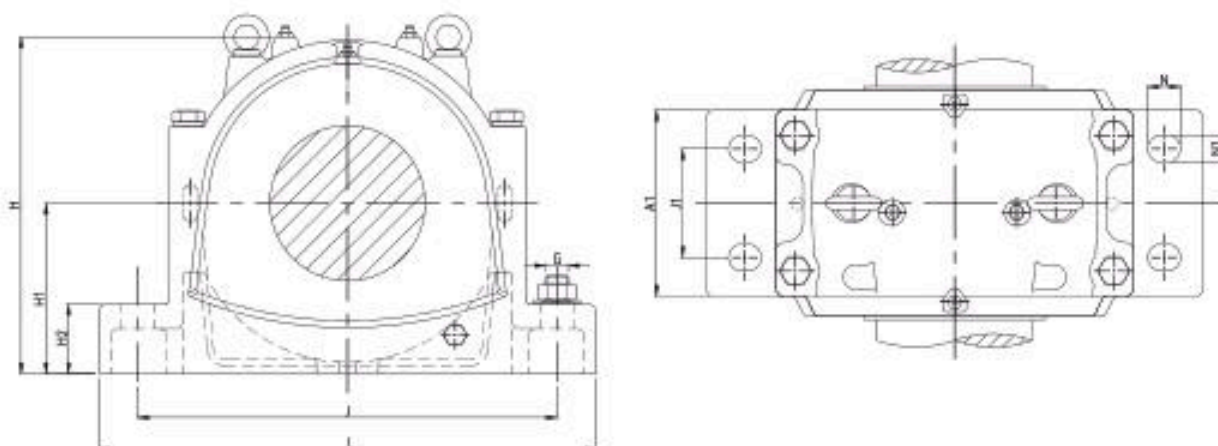
TECHNICAL DETAIL AND PRODUCT FEATURE

- SNL Large Series is horizontally split type bearing housing which has advantage like ease during maintenance and ease while changing bearing.
- Shaft diameter 115 mm to 500 mm for taper bore bearing and 130 mm to 530 mm for straight bore bearing which is the limiting range for use of suitable bearing for this series.
- For located bearing option in axial direction, the provision for locating ring is available. Depending upon bearing size, one or two locating rings are used.
However, it is important to note that locating rings are not used for very large SNL housing, starting from size housing sizes SNL 3076, SNL 3188, SNL 3264 onwards and up to Bearings for maximum shaft dia. 500 mm. Instead, SNL large housings are appropriately machined for suitable bearing seating width for fix and free bearing options. A suffix F (to indicate fix/located bearing) and suffix L (for Free/non-located bearing) is put with product code to indicate fixed/located bearing and free/non-located bearing.
- SNL housings are suitable for grease as well as oil lubrication.
- A couple of dimples are provided on suitable pads on the cap. Conveniently grease nipples are provided on top for relubrication. The location of grease nipple will be in center of cap width, when W33 type bearing (which is having Annular Groove inside) is used. For other bearings, the grease nipple is fitted on sides.
- For SNL Large series following choices of seal are available:
i. Labyrinth Seal : TS
ii. Taconite Seal : TNF (axial seal)
- The choice of Taconite seal makes SNL large series much superior. SNL large are usually selected for heavy duty and higher speed. This housing can also be used in dusty and hostile environment by using Taconite seal which can protect bearing and lubricant efficiently.

- Taconite seal is comprised of multiple sealing arrangements inside it. It is considered as the first choice for the arduous conditions such as in cement, fluid machinery and mining industries
- On side at base of housing there is provision of Drain Plug. Also in case of oil lubrication in housing, a threaded connection can be provided to fit oil level indicator.
- For SNL Large housings, suitable provision can be easily made to fit Condition Monitoring Sensors for online measurement of temperature and vibration.
- SNL Large housings are suitable for continuous circulating Oil Lubrication system, where suitable oil inlet and drain connection can be provided. It is important to note that in such cases special seals should be used.
- For shaft end option in housing assembly, provision for an End Cover is available. For identification, prefix A with seal designation is used.
- Six dimensional series are available in SNL Large housings:
SNL 30 - suitable for bearing 230...CCK/W33 with adapter sleeve /and with cylindrical bore bearing
SNL 31 - suitable for bearing 231...CCK/W33 with adapter sleeve /and with cylindrical bore bearing
SNL 32 - suitable for bearing 232...CCK/W33 with adapter sleeve /and with cylindrical bore bearing
- Material for SNL Large series:
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)
- SNL Large housings are provided four foundation slots of oval shape for rigidity.
- In case these housings are subjected to heavy load acting parallel to base, an arrangement of pad in bottom for dowel pin is already available at base. One can use it during assembly at site by drilling through and fit dowel pin.

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

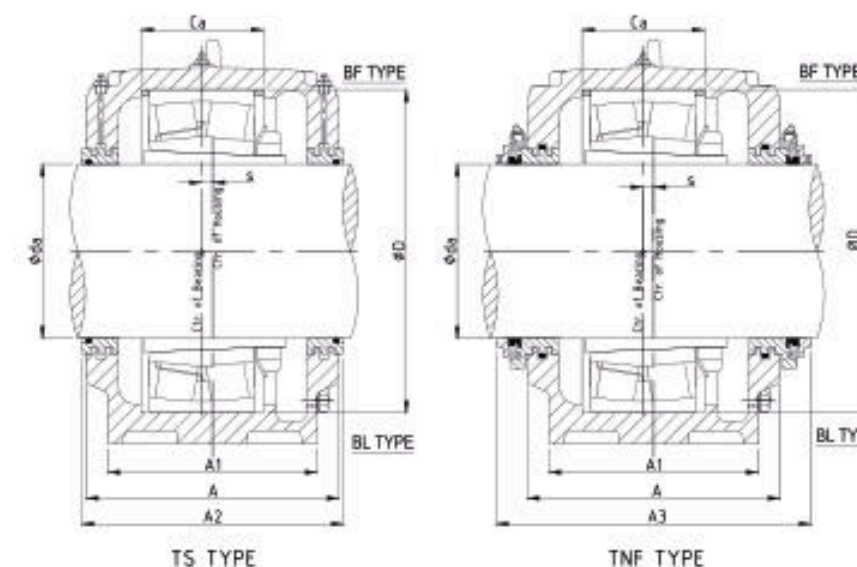


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia da	Dimension in mm											
		A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3134	115	230	180	333	170	70	430	100	510	34	28	14	M 24
	150	230	180	333	170	70	430	100	510	34	28	14	M 24
SNL 3036	160	230	180	333	170	70	430	100	510	34	28	14	M 24
	160	230	180	333	170	70	430	100	510	34	28	14	M 24
SNL 3136	125	240	190	353	180	75	450	110	530	34	28	15	M 24
	160	240	190	353	180	75	450	110	530	34	28	15	M 24
SNL 3038	140	240	190	353	180	75	450	110	530	34	28	15	M 24
	170	240	190	353	180	75	450	110	530	34	28	15	M 24
SNL 3138	135	260	210	375	190	80	480	120	560	34	28	10	M 24
	160	260	210	375	190	80	480	120	560	34	28	10	M 24
	170	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3040	150	260	210	375	190	80	480	120	560	34	28	10	M 24
	180	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3140	140	280	230	411	210	85	510	130	610	42	35	10	M 30
	170	280	230	411	210	85	510	130	610	42	35	10	M 30
	180	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3044	200	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3144	200	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3048	150	290	240	434	220	90	540	140	640	42	35	12	M 30
	180	290	240	434	220	90	540	140	640	42	35	12	M 30
	220	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3148	170	310	260	474	240	95	600	150	700	42	35	12	M 30
	220	310	260	474	240	95	600	150	700	42	35	12	M 30
SNL 3052	240	310	260	474	240	95	600	150	700	42	35	12	M 30

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

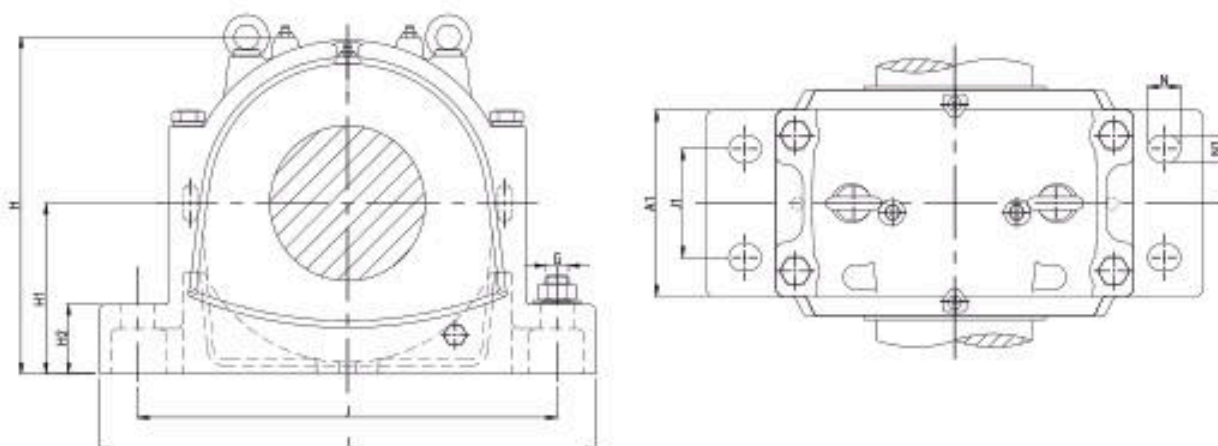


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia da	Approx Weight KG	Bearing Seating		EYE BOLT		Appropriate Bearing	Adapter Sleeve	Locating Ring Size
		Ca	Da	A2	A3			
115	69.5	108	280	240	302	M 16	22326 CCK/W33	H 2326
150	69.5	108	280	240	302	M 16	23134 CCK/W33	H 3134
160	69.5	108	280	240	304	M 16	23036 CCK/W33	H 3036
125	77.5	116	300	250	317	M 16	22328 CCK/W33	H 2328
160	77.5	116	300	250	317	M 16	23136 CCK/W33	H 3136
140	77.5	115	290	250	318	M 16	22232 CCK/W33	H 3132
170	77.5	115	290	250	318	M 16	23038 CCK/W33	H 3038
135	97.5	124	320	270	334	M 20	22330 CCK/W33	H 2330
160	97.5	124	320	270	334	M 20	22236 CCK/W33	H 3136
170	97.5	124	320	270	334	M 20	23138 CCK/W33	H 3138
150	97.5	122	310	270	331	M 20	22234 CCK/W33	H 3134
180	97.5	122	310	270	331	M 20	23040 CCK/W33	H 3040
140	123	132	340	290	351	M 20	22332 CCK/W33	H 2332
170	123	132	340	290	351	M 20	22238 CCK/W33	H 3138
180	123	132	340	290	351	M 20	23140 CCK/W33	H 3140
200	123	130	340	290	353	M 20	23044 CCK/W33	OH 3044 H
200	138	140	370	300	361	M 20	23144 CCK/W33	OH 3144 H
150	139	140	360	300	387	M 20	23048 CCK/W33	H 2334
180	139	140	360	300	387	M 20	22240 CCK/W33	H 3140
220	138	140	360	300	387	M 20	22334 CCK/W33	OH 3048 H
170	187	148	400	315	404	M 24	22338 CCK/W33	H 2338
220	187	148	400	315	404	M 24	23148 CCK/W33	OH 3148 H
240	187	148	400	315	397	M 24	23052 CCK/W33	OH 3052 H

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

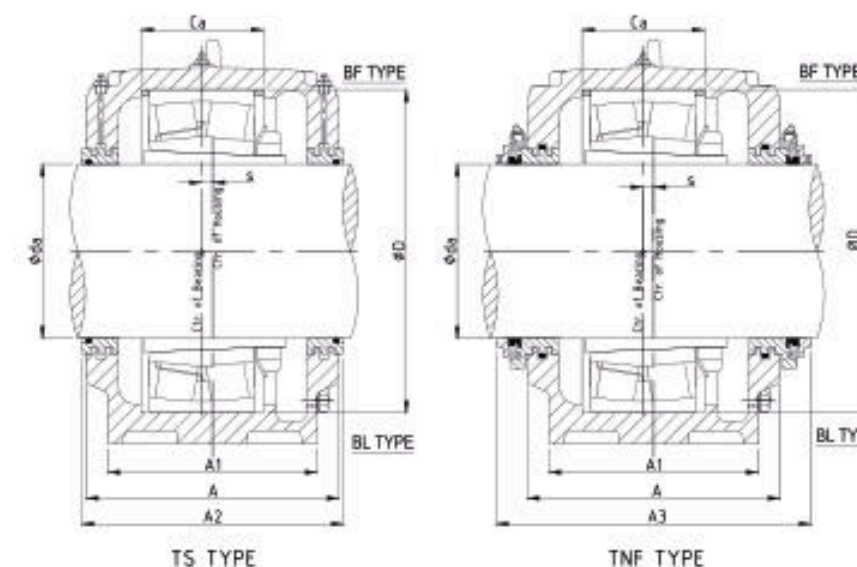


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia da	Dimension in mm											
		A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3152	220	320	280	516	260	100	650	160	770	50	42	13	M 36
	240	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3056	180	320	280	516	260	100	650	160	770	50	42	13	M 36
	260	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3156	200	320	280	516	260	100	650	160	790	50	42	16	M 36
	260	320	280	551	280	105	670	160	790	50	42	16	M 36
SNL 3060	280	320	280	551	280	105	670	160	790	50	42	16	M 36
SNL 3160	220	350	310	591	300	110	710	190	830	50	42	22	M 36
	260	350	310	591	300	110	710	190	830	50	42	22	M 36
	280	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3064	240	350	310	591	300	110	710	190	830	50	42	22	M 36
	300	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3164	240	370	330	631	320	115	750	200	880	50	42	23	M 36
	280	370	330	631	320	115	750	200	880	50	42	23	M 36
	300	370	330	631	320	115	750	200	880	50	42	23	M 36
SNL 3068	320	370	330	631	320	115	750	200	880	50	42	23	M 36
SNL 3168	300	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3072	340	370	330	631	320	115	750	200	880	50	42	23	M 36

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

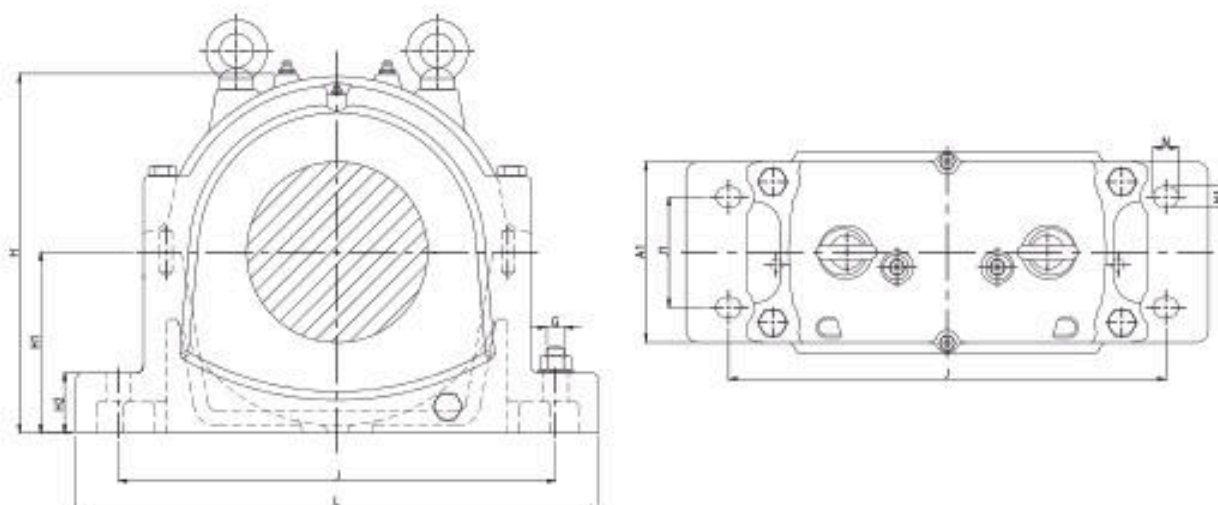


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia da	Approx Weight KG	Bearing Seating			EYE BOLT	Appropriate Bearing	Adapter Sleeve	Locating Ring Size
		Ca	D	A2	A3			
220	221	164	440	330	414	M 24	22248 CCK/W33	OH 3148 H
240	221	164	440	330	414	M 24	23152 CCK/W33	OH 3152 H
180	221	166	420	330	413	M 24	22340 CCK/W33	H 2340
260	221	166	420	330	413	M 24	23056 CCK/W33	OH 3056 H
200	252	166	460	330	412	M 24	22344 CCK/W33	OH 2344 H
260	252	166	460	330	412	M 24	23156 CCK/W33	OH 3156 H
280	252	168	460	330	412	M 24	23060 CCK/W33	OH 3060 H
220	301	180	500	360	442	M 30	22348 CCK/W33	OH 2348 H
260	301	180	500	360	442	M 30	22256 CCK/W33	OH 3156 H
280	301	180	500	360	442	M 30	23160 CCK/W33	OH 3160 H
240	301	181	480	360	443	M 30	22252 CCK/W33	OH 3152 H
300	301	181	480	360	443	M 30	23064 CCK/W33	OH 3064 H
240	339	196	540	380	462	M 30	22352 CCK/W33	OH 2352 H
300	339	196	540	380	462	M 30	22260 CCK/W33	OH 3160 H
300	339	196	540	380	462	M 30	23164 CCK/W33	OH 3164 H
320	339	197	520	380	461	M 30	23068 CCK/W33	OH 3068 H
300	430	190	580	410	491	M 30	22264 CCK/W33	OH 3164 H
320	339	198	540	380	461	M 30	23072 CCK/W33	OH 3072 H

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

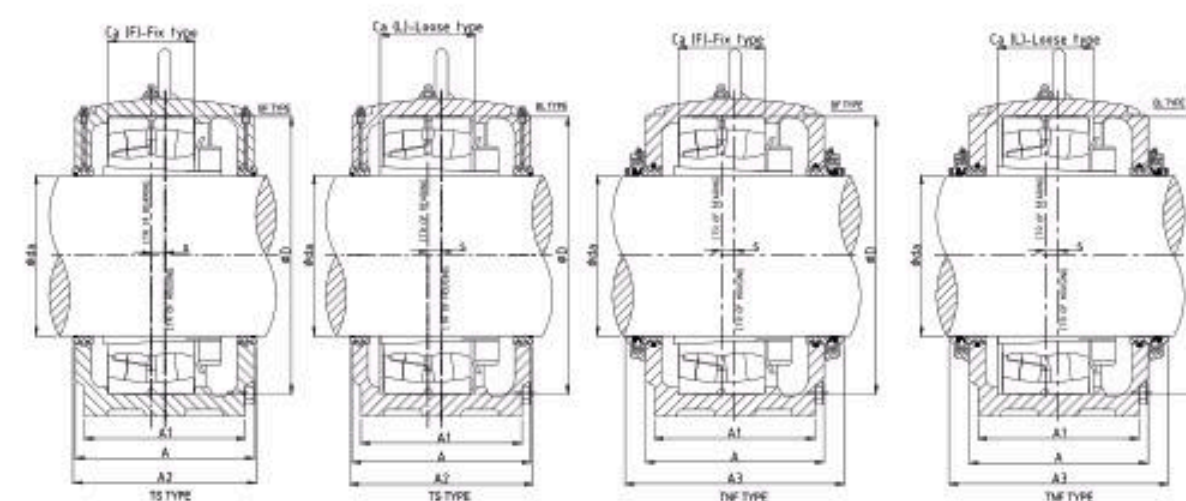


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia da	Dimension in mm											
		A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3168	320	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3076	360	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3172	340	400	360	695	350	120	840	220	1000	50	42	30	M 36
SNL 3080	380	400	360	695	350	120	840	220	1000	50	42	30	M 36
SNL 3176	360	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3084	400	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3180	340	430	390	755	380	125	950	240	1120	60	48	30	M 42
	380	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3088	410	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3184	400	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3092	430	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3096	450	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3188	410	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 30/500	470	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 3192	430	470	440	880	440	145	1070	260	1280	60	48	35	M 42
SNL 3196	450	470	440	920	460	155	1110	260	1330	70	56	35	M 48
SNL 30/530	500	470	440	920	460	155	1110	260	1330	70	56	35	M 48

SNL 3100-3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

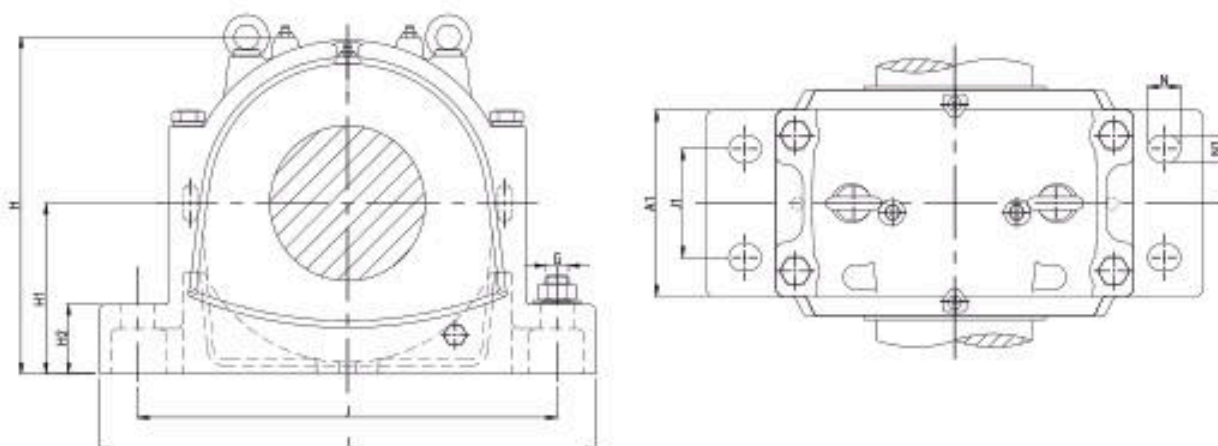


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia da	Approx Weight KG	Bearing Seating			EYE BOLT	Appropriate Bearing	Adapter Sleeve	Locating Ring Size
		Ca F-Fix	Ca L-Loose	D				
320	430	190	210	580	M 30	23168 CCK/W33	OH 3168 H	-
360	430	135	180	560	M 30	23076 CAK/W33	OH 3076 H	-
340	458	192	212	600	M 36	23172 CCK/W33	OH 3172 H	-
380	458	148	192	600	M 36	23080 CCK/W33	OH 3080 H	-
360	473	194	214	620	M 36	23176 CAK/W33	OH 3176 H	-
400	473	150	194	620	M 36	23084 CAK/W33	OH 3084 H	-
340	595	-	220	650	M 42	22272 CAK/W33	OH 3272 H	2 FRB 25/850
	595	200	220	650	M 42	23180 CAK/W33	OH 3180 H	
410	595	157	200	650	M 42	23088 CAK/W33	OH 3088 H	-
400	716	224	244	700	M 42	23184 CKJ/W33	OH 3184 H	-
430	716	163	224	680	M 42	23092 CAK/W33	OH 3092 H	-
450	716	165	224	700	M 42	23096 CAK/W33	OH 3096 H	-
410	755	226	246	720	M 42	23188 CAK/W33	OH 3188 H	-
470	755	167	226	720	M 42	230/500 CAK/W33	OH 30/500 H	-
430	865	240	260	760	M 48	23192 CAK/W33	OH 3192 H	-
450	941	248	268	790	M 48	23196 CAK/W33	OH 3196 H	-
500	947	185	248	780	M 48	230/530 CAK/W33	OH 30/530 H	-

SNL 3200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

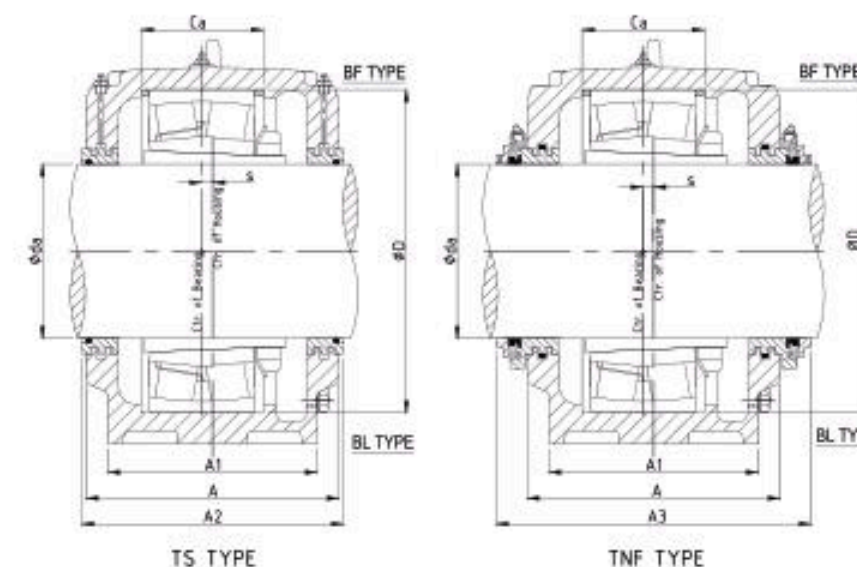


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia da	Dimension in mm											
		A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3234	150	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3236	160	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3238	170	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3240	180	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3244	200	310	260	474	240	95	600	150	700	42	35	12	M 30
SNL 3248	220	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3252	240	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3256	260	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3260	280	370	330	631	320	115	750	200	880	50	42	23	M 36

SNL 3200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

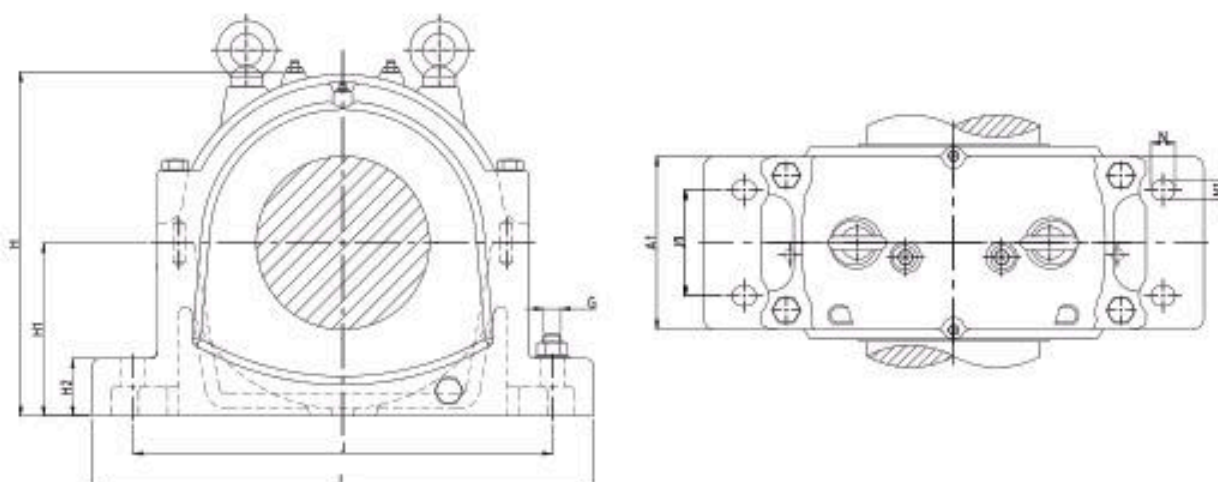


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia	Approx Weight KG	Bearing Seating Ca D		A2	A3	EYE BOLT	Appropriate Bearing	Adapter Sleeve	Locating Ring Size
150	97.5	122	310	270	331	M 20	23234 CCK/W33	H 2334	2 FRB 6/310
160	97.5	124	320	270	334	M 20	23236 CCK/W33	H 2336	2 FRB 6/320
170	123	132	340	290	351	M 20	23238 CCK/W33	H 2338	2 FRB 6/340
180	139	140	360	300	383	M 20	23240 CCK/W33	H 2340	2 FRB 6/360
200	187	164	400	315	404	M 24	23244 CCK/W33	OH 2344 H	2 FRB 10/400
220	221	180	440	330	414	M 24	23248 CCK/W33	OH 2348 H	2 FRB 10/440
240	301	194	480	360	442	M 30	23252 CCK/W33	OH 2352 H	2 FRB 10/480
260	301	196	500	360	442	M 30	23256 CCK/W33	OH 2356 H	2 FRB 10/500
280	339	212	540	380	462	M 30	23260 CCK/W33	OH 3260 H	2 FRB 10/540

SNL 3200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

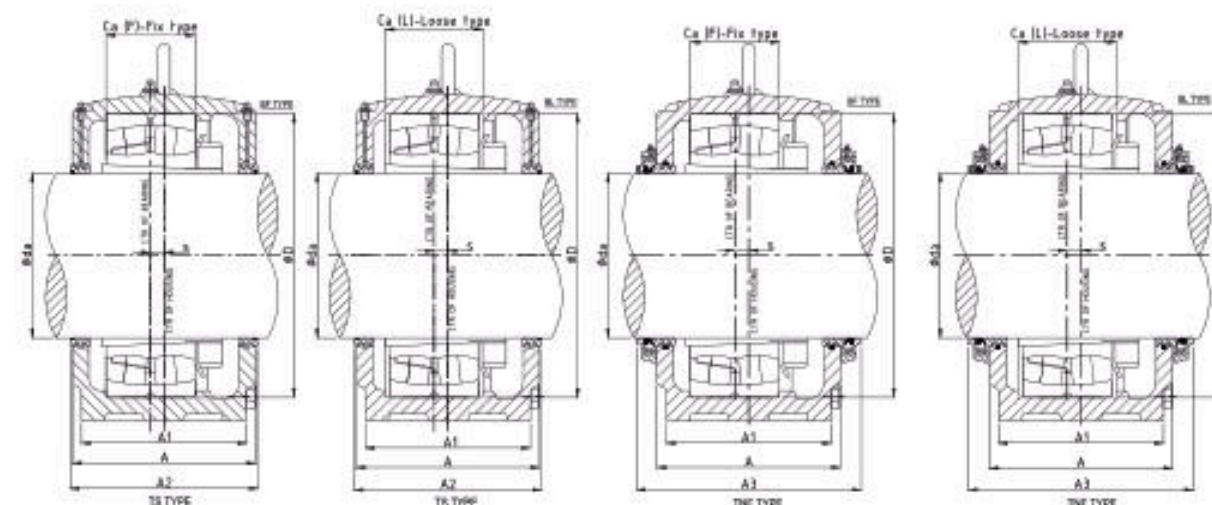


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia da	Dimension in mm											
		A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3264	300	400	360	675	340	120	810	200	950	50	42	24	M 36
SNL 3268	320	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3272	340	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3276	360	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3280	380	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 3284	400	470	440	880	440	145	1070	260	1280	60	48	35	M 42
SNL 3288	410	470	440	920	460	155	1110	260	1330	70	56	35	M 48

SNL 3200 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

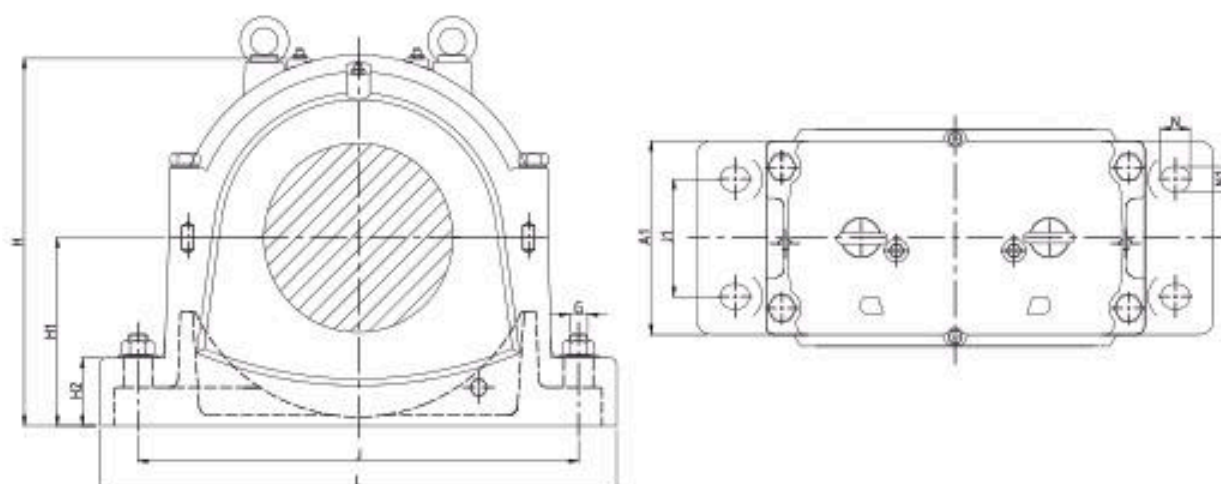


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia da	Approx Weight KG	Bearing Seating			EYE BOLT	Appropriate Bearing	Adapter Sleeve	Locating Ring Size
		Ca F-Fix	Ca L-Loose	D				
300	430	208	228	580	M 30	23264 CCK/W33	OH 3264 H	-
320	473	224	244	620	M 36	23268 CAK/W33	OH 3268 H	-
340	595	232	252	650	M 42	23272 CAK/W33	OH 3272 H	-
360	716	240	260	680	M 42	23276 CAK/W33	OH 3276 H	-
380	755	256	276	720	M 42	23280 CAK/W33	OH 3280 H	-
400	865	272	292	760	M 48	23284 CAK/W33	OH 3284 H	-
410	947	280	300	790	M 48	23288 CAK/W33	OH 3288 H	-

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

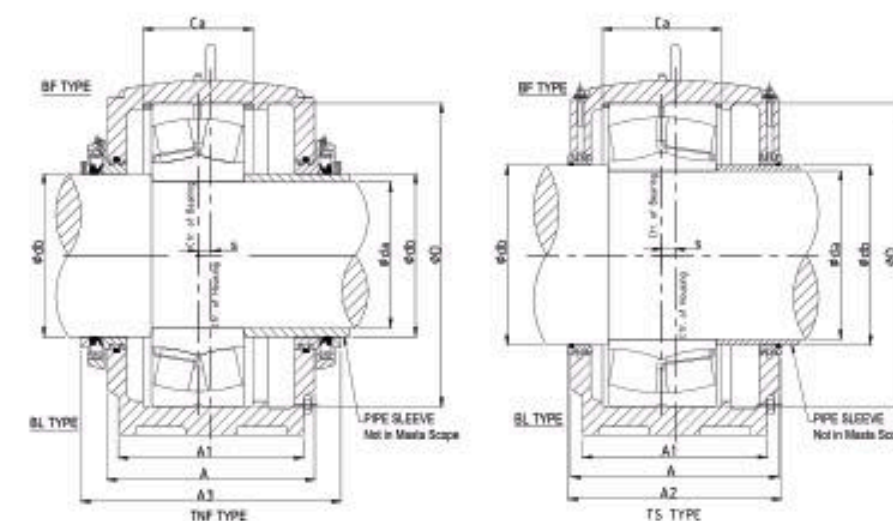


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia		Dimension in mm											
	da	db	A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3134 G	130	150	230	180	333	170	70	430	100	510	34	28	14	M 24
	170	180	230	180	333	170	70	430	100	510	34	28	14	M 24
SNL 3036 G	180	200	230	180	333	170	70	430	100	510	34	28	14	M 24
	180	200	230	180	333	170	70	430	100	510	34	28	14	M 24
SNL 3136 G	140	160	240	190	353	180	75	450	110	530	34	28	15	M 24
	180	200	240	190	353	180	75	450	110	530	34	28	15	M 24
SNL 3038 G	160	180	240	190	353	180	75	450	110	530	34	28	15	M 24
	190	200	240	190	353	180	75	450	110	530	34	28	15	M 24
SNL 3138 G	150	170	260	210	375	190	80	480	120	560	34	28	10	M 24
	180	200	260	210	375	190	80	480	120	560	34	28	10	M 24
	190	200	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3040 G	170	190	260	210	375	190	80	480	120	560	34	28	10	M 24
	200	220	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3140 G	160	180	280	230	411	210	85	510	130	610	42	35	10	M 30
	190	210	280	230	411	210	85	510	130	610	42	35	10	M 30
	200	220	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3044 G	220	240	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3144 G	220	240	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3048 G	240	260	290	240	434	220	90	540	140	640	42	35	12	M 30
	200	220	290	240	434	220	90	540	140	640	42	35	12	M 30
	170	190	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3148 G	190	210	310	260	474	240	95	600	150	700	42	35	12	M 30
	240	260	310	260	474	240	95	600	150	700	42	35	12	M 30
SNL 3052 G	260	280	310	260	474	240	95	600	150	700	42	35	12	M 30

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

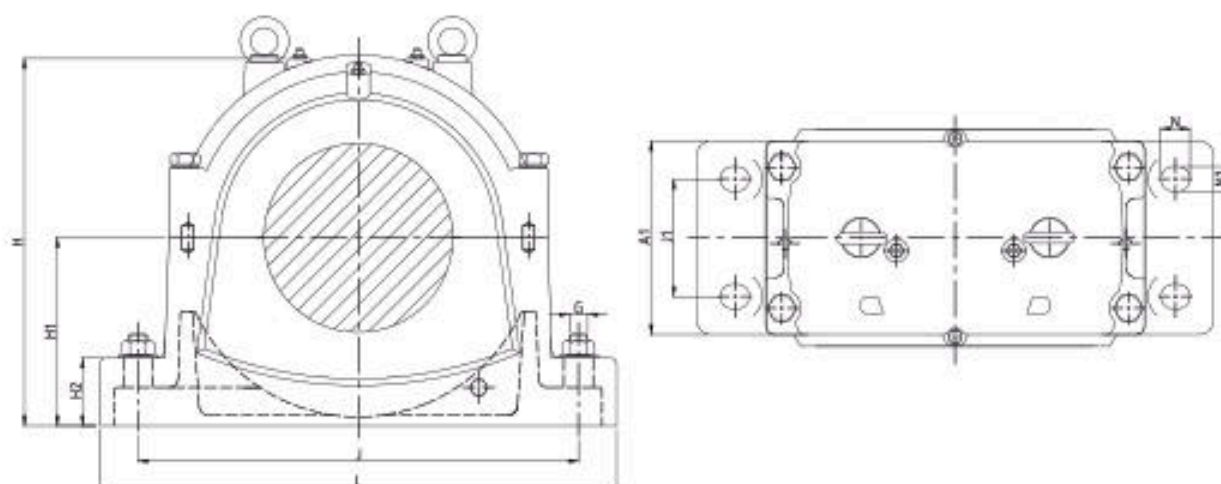


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia		Approx Weight KG	Bearing Seating		EYE BOLT		Appropriate Bearing	Locating Ring Size
da	db		Ca	D	A2	A3		
130	150	69.5	108	280	240	302	22326 CC/W33	2 FRB 7.5/280
170	180	69.5	108	280	240	302	23134 CC/W33	2 FRB 10/280
180	200	69.5	108	280	240	304	23036 CC/W33	2 FRB 17/280
140	160	77.5	116	300	250	317	22328 CC/W33	2 FRB 7/300
180	200	77.5	116	300	250	317	23136 CC/W33	2 FRB 10/300
160	180	77.5	115	290	250	318	22232 CC/W33	2 FRB 17.5/290
190	200	77.5	115	290	250	318	23038 CC/W33	4 FRB 10/290
150	170	97.5	124	320	270	334	22330 CC/W33	2 FRB 8/320
180	200	97.5	124	320	270	334	22236 CC/W33	2 FRB 18/320
190	200	97.5	124	320	270	334	23138 CC/W33	2 FRB 10/320
170	190	97.5	122	310	270	331	22234 CC/W33	2 FRB 18/310
200	220	97.5	122	310	270	331	23040 CC/W33	4 FRB 10/310
160	180	123	132	340	290	351	22332 CC/W33	2 FRB 9/340
190	210	123	132	340	290	351	22238 CC/W33	4 FRB 10/340
200	220	123	132	340	290	351	23140 CC/W33	2 FRB 10/340
220	240	123	130	340	290	353	23044 CC/W33	4 FRB 10/340
220	240	138	140	370	300	361	23144 CC/W33	2 FRB 10/370
240	260	139	140	360	300	387	23048 CC/W33	4 FRB 12/360
200	220	139	140	360	300	387	22240 CC/W33	2 FRB 21/360
170	190	139	140	360	300	387	22334 CC/W33	2 FRB 10/360
190	210	187	148	400	315	404	22338 CC/W33	2 FRB 8/400
240	260	187	148	400	315	404	23148 CC/W33	2 FRB 10/400
260	280	187	148	400	315	397	23052 CC/W33	2 FRB 22/400

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

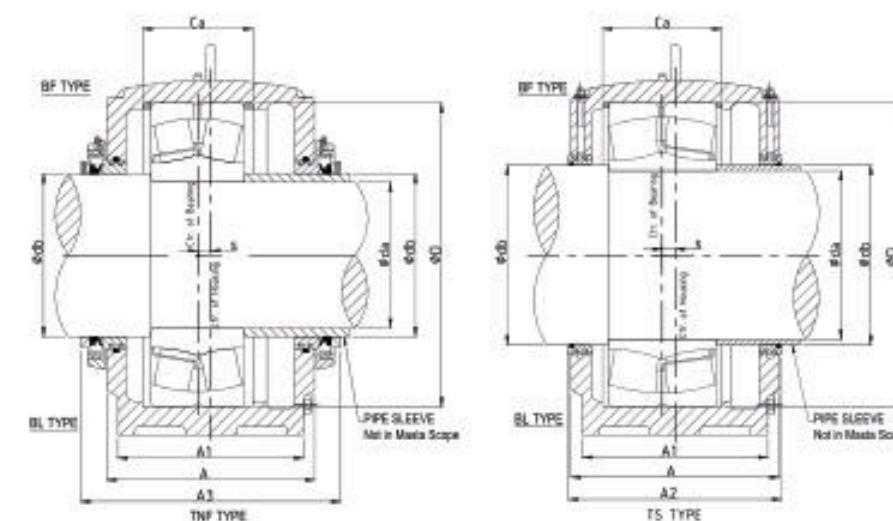


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia		Dimension in mm											
	da	db	A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3152 G	240	260	320	280	516	260	100	650	160	770	50	42	13	M 36
	260	280	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3056 G	200	220	320	280	516	260	100	650	160	770	50	42	13	M 36
	280	300	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3156 G	220	240	320	280	551	280	105	670	160	790	50	42	16	M 36
	280	300	320	280	551	280	105	670	160	790	50	42	16	M 36
SNL 3060 G	300	320	320	280	551	280	105	670	160	790	50	42	16	M 36
SNL 3160 G	240	260	350	310	591	300	110	710	190	830	50	42	22	M 36
	280	300	350	310	591	300	110	710	190	830	50	42	22	M 36
	300	320	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3064 G	260	280	350	310	591	300	110	710	190	830	50	42	22	M 36
	320	340	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3164 G	260	290	370	330	631	320	115	750	200	880	50	42	23	M 36
	300	320	370	330	631	320	115	750	200	880	50	42	23	M 36
	320	340	370	330	631	320	115	750	200	880	50	42	23	M 36
SNL 3068 G	340	360	370	330	631	320	115	750	200	880	50	42	23	M 36
SNL 3168 G	320	340	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3072 G	360	380	370	330	631	320	115	750	200	880	50	42	23	M 36

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

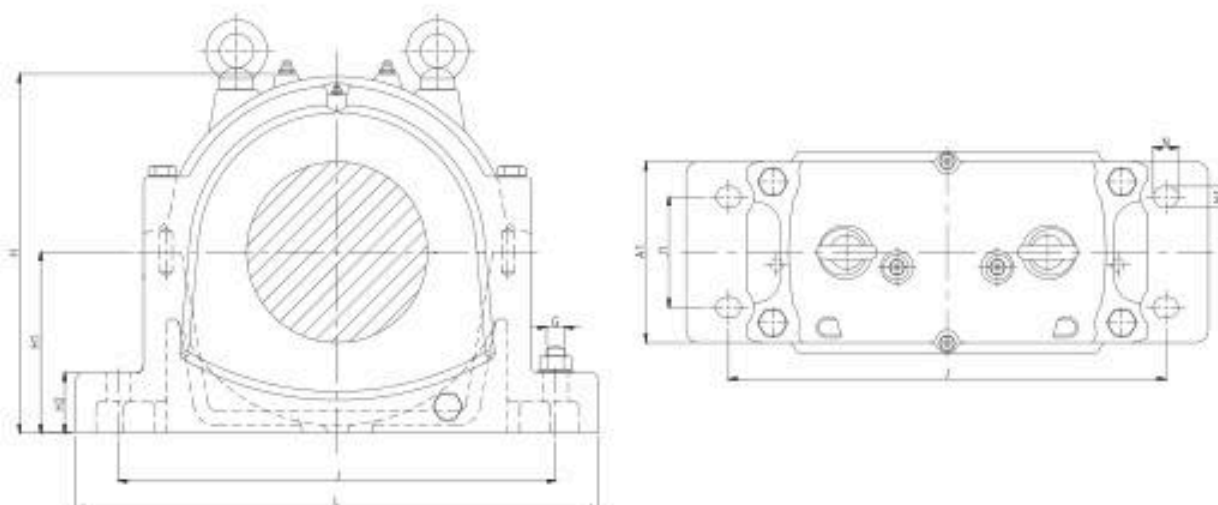


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia		Approx Weight KG	Bearing Seating		EYE BOLT		Appropriate Bearing	Locating Ring Size
da	db		Ca	D	A2	A3		
240	260	221	164	440	330	414	M 24	22248 CC/W33
260	280	221	164	440	330	414	M 24	23152 CC/W33
200	220	221	166	420	330	413	M 24	22340 CC/W33
280	300	221	166	420	330	413	M 24	23056 CC/W33
220	240	252	166	460	330	412	M 24	22344 CC/W33
280	300	252	166	460	330	412	M 24	23156 CC/W33
300	320	252	168	460	330	412	M 24	23060 CC/W33
240	260	301	180	500	360	442	M 30	22348 CC/W33
280	300	301	180	500	360	442	M 30	22256 CC/W33
300	320	301	180	500	360	442	M 30	23160 CC/W33
260	280	301	181	480	360	443	M 30	22252 CC/W33
320	340	301	181	480	360	443	M 30	23064 CC/W33
260	290	339	196	540	380	462	M 30	22352 CC/W33
300	320	339	196	540	380	462	M 30	22260 CC/W33
320	340	339	196	540	380	462	M 30	23164 CC/W33
340	360	339	197	520	380	461	M 30	23068 CC/W33
320	340	430	190	580	410	491	M 30	22264 CC/W33
360	380	339	198	540	380	461	M 30	23072 CC/W33

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

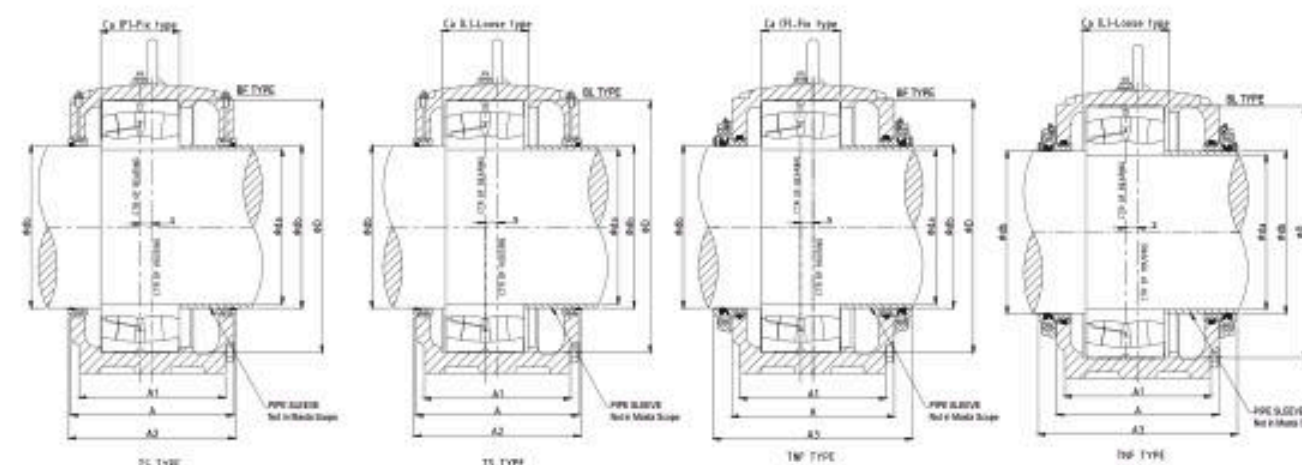


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia		Dimension in mm											G
	da	db	A	A1	H	H1	H2	J	J1	L	N	N1	S	
SNL 3168 G	340	360	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3076 G	380	400	400	360	675	340	120	810	220	950	50	42	24	M 36
SNL 3172 G	360	380	400	360	695	350	120	840	220	1000	50	42	30	M 36
SNL 3080 G	400	430	400	360	695	350	120	840	220	1000	50	42	30	M 36
SNL 3176 G	380	400	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3084 G	420	450	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3180 G	360	390	430	390	755	380	125	950	240	1120	60	48	30	M 42
	400	430	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3088 G	440	470	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3184 G	420	450	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3092 G	460	500	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3096 G	480	510	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3188 G	440	470	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 30/500 G	500	530	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 3192 G	460	500	470	440	880	440	145	1070	260	1280	60	48	35	M 42
SNL 3196 G	480	520	470	440	920	460	155	1110	260	1330	70	56	35	M 48
SNL 30/530 G	530	560	470	440	920	460	155	1110	260	1330	70	56	35	M 48

SNL 3100-3000 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

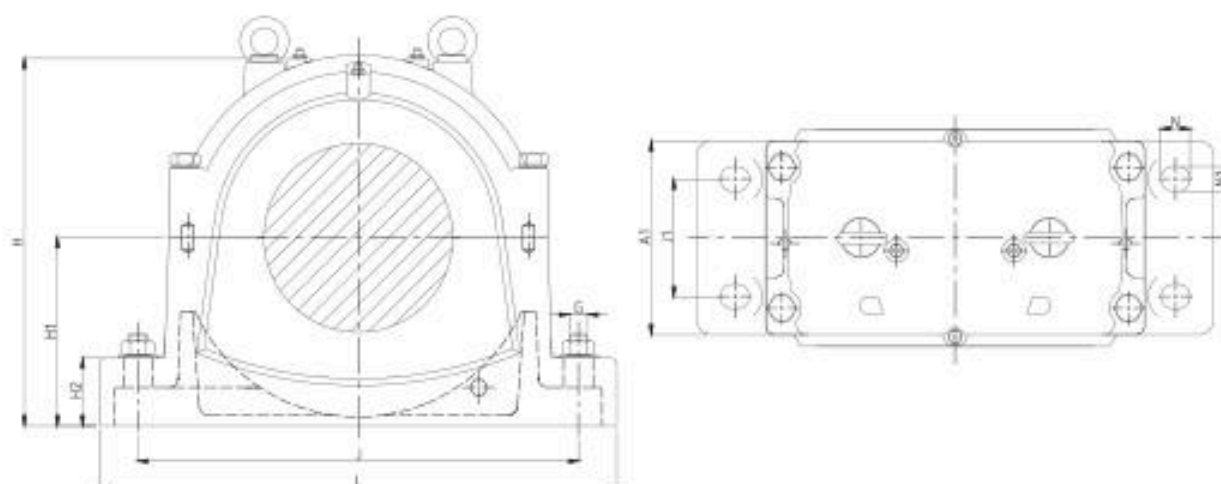


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia		Approx Weight KG	Bearing Seating			EYE BOLT	Appropriate Bearing	Locating Ring Size
			Ca F-Fix	L-Loose	D			
340	360	430	190	210	580	M 30	23168 CC/W33	-
380	400	430	135	180	560	M 30	23076 CC/W33	-
360	380	458	192	212	600	M 36	23172 CC/W33	-
400	430	458	148	192	600	M 36	23080 CC/W33	-
380	400	473	194	214	620	M 36	23176 CA/W33	-
420	450	473	150	194	620	M 36	23084 CA/W33	-
360	390	595	-	220	650	M 42	22272 CA/W33	2 FRB 25/650
400	430	595	200	220	650	M 42	23180 CA/W33	-
440	470	595	157	200	650	M 42	23088 CA/W33	-
420	450	716	224	244	700	M 42	23184 CJ/W33	-
460	500	716	163	224	680	M 42	23092 CA/W33	-
480	510	716	165	224	700	M 42	23096 CA/W33	-
440	470	755	226	246	720	M 42	23188 CA/W33	-
500	530	755	167	226	720	M 42	230/500 CA/W33	-
460	500	865	240	260	760	M 48	23192 CA/W33	-
480	520	941	248	268	790	M 48	23196 CA/W33	-
530	560	947	185	248	780	M 48	230/530 CA/W33	-

SNL 3200 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

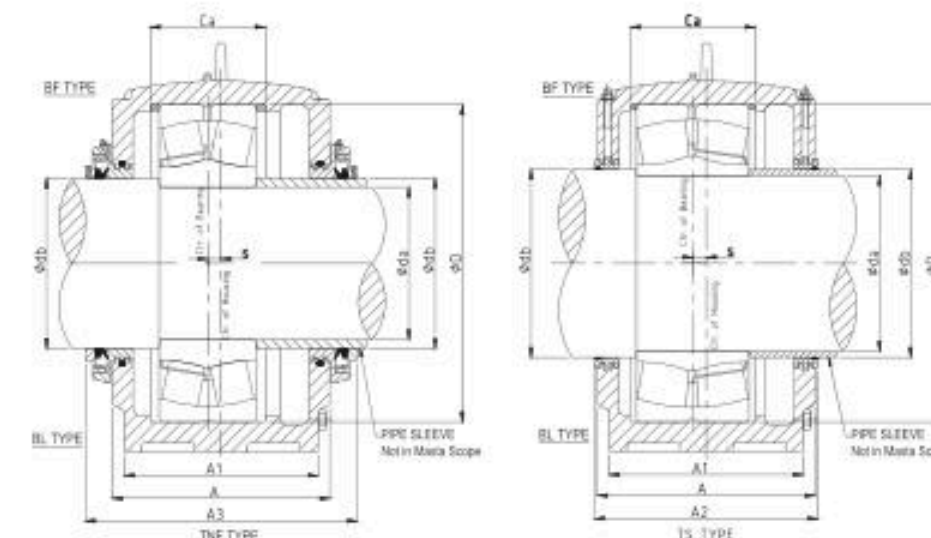


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia		Dimension in mm											
	da	db	A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3234 G	170	190	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3236 G	180	200	260	210	375	190	80	480	120	560	34	28	10	M 24
SNL 3238 G	190	210	280	230	411	210	85	510	130	610	42	35	10	M 30
SNL 3240 G	200	220	290	240	434	220	90	540	140	640	42	35	12	M 30
SNL 3244 G	220	240	310	260	474	240	95	600	150	700	42	35	12	M 30
SNL 3248 G	240	260	320	280	516	260	100	650	160	770	50	42	13	M 36
SNL 3252 G	260	280	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3256 G	280	300	350	310	591	300	110	710	190	830	50	42	22	M 36
SNL 3260 G	300	320	370	330	631	320	115	750	200	880	50	42	23	M 36

SNL 3200 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

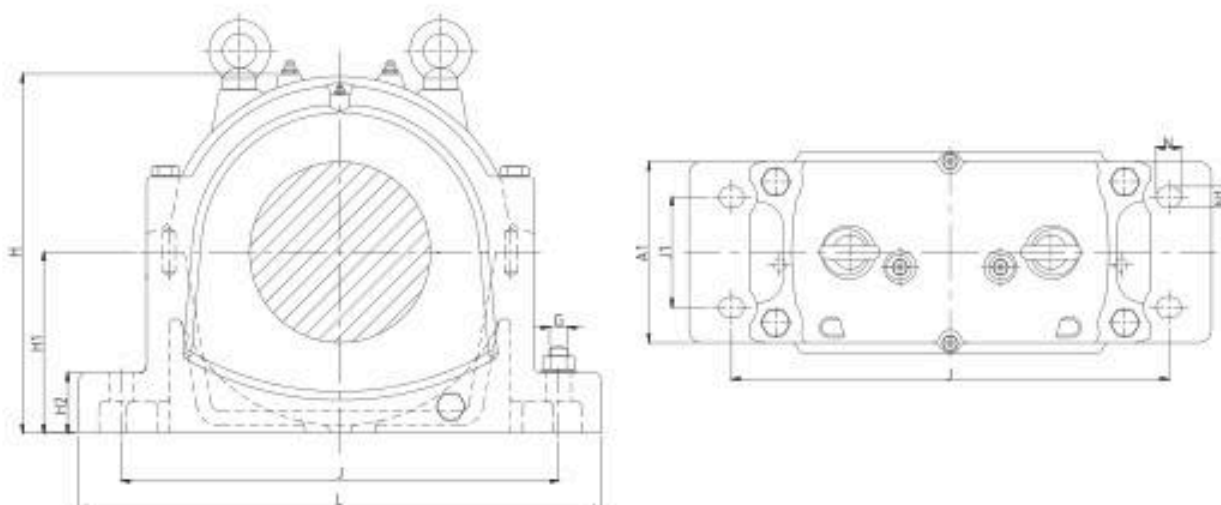


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia		Approx Weight KG	Bearing Seating		EYE BOLT		Appropriate Bearing	Locating Ring Size	
da	db		Ca	D	A2	A3			
170	190	97.5	122	310	270	331	M 20	23234 CC/W33	2 FRB 6/310
180	200	97.5	124	320	270	334	M 20	23236 CC/W33	2 FRB 6/320
190	210	123	132	340	290	351	M 20	23238 CC/W33	2 FRB 6/340
200	220	139	140	360	300	383	M 20	23240 CC/W33	2 FRB 6/360
220	240	187	164	400	315	404	M 24	23244 CC/W33	2 FRB 10/400
240	260	221	180	440	330	414	M 24	23248 CC/W33	2 FRB 10/440
260	280	301	194	480	360	443	M 30	23252 CC/W33	2 FRB 10/480
280	300	301	196	500	360	442	M 30	23256 CC/W33	2 FRB 10/500
300	320	339	212	540	380	462	M 30	23260 CC/W33	2 FRB 10/540

SNL 3200 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

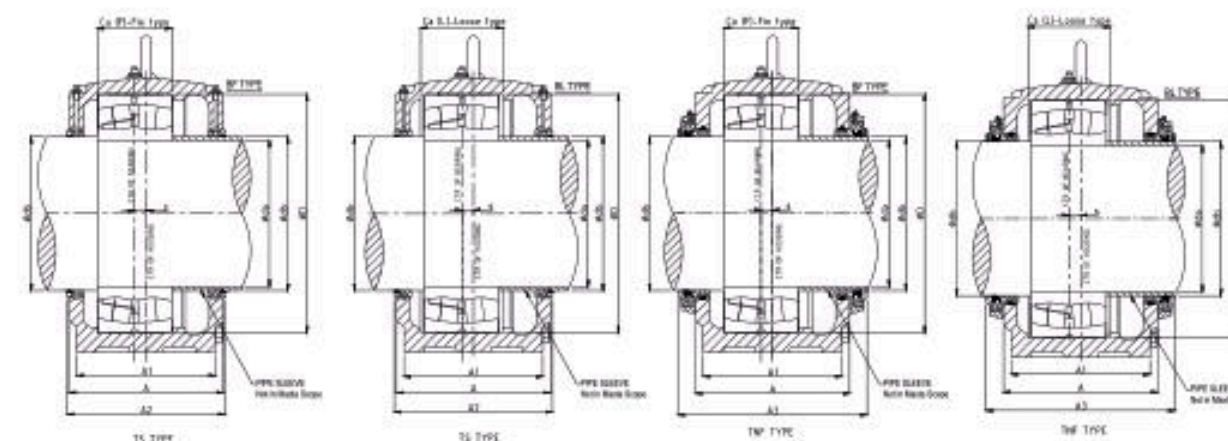


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia		Dimension in mm											
	da	db	A	A1	H	H1	H2	J	J1	L	N	N1	S	G
SNL 3264 G	320	340	400	360	675	340	120	810	200	950	50	42	24	M 36
SNL 3268 G	340	370	400	360	715	360	120	870	220	1040	50	42	30	M 36
SNL 3272 G	360	390	430	390	755	380	125	950	240	1120	60	48	30	M 42
SNL 3276 G	380	410	460	420	810	410	130	1000	260	1170	60	48	35	M 42
SNL 3280 G	400	430	460	430	835	420	135	1030	260	1220	60	48	35	M 42
SNL 3284 G	420	460	470	440	880	440	145	1070	260	1280	60	48	35	M 42
SNL 3288 G	440	480	470	440	920	460	155	1110	260	1330	70	56	35	M 48

SNL 3200 G SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore



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

Shaft dia		Approx Weight	Bearing Seating					EYE BOLT	Appropriate Bearing	Locating Ring Size
da	db		Ca							
		KG	F- Fix	L- Loose	D	A2	A3			
320	340	430	208	228	580	410	491	M 30	23264 CC/W33	-
340	370	473	224	244	620	410	491	M 36	23268 CA/W33	-
360	390	595	232	252	650	440	521	M 42	23272 CA/W33	-
380	410	716	240	260	680	470	552	M 42	23276 CA/W33	-
400	430	755	256	276	720	470	552	M 42	23280 CA/W33	-
420	460	865	272	292	760	480	562	M 48	23284 CA/W33	-
440	480	947	280	300	790	480	561	M 48	23288 CA/W33	-

SNLN 3000 SERIES BEARING HOUSINGS

SNLN 30 Series can be considered as an extension of SNL 500 series which limits shaft diameter up to 110mm, whereas SNLN 30 series goes beyond this shaft size. SNLN 30 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 30 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. Its 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 30 series a preferred choice for heavier application. The special construction of SNLN 30 also enables better heat dissipation through its walls.



SNLN 3000 SERIES BEARING HOUSINGS

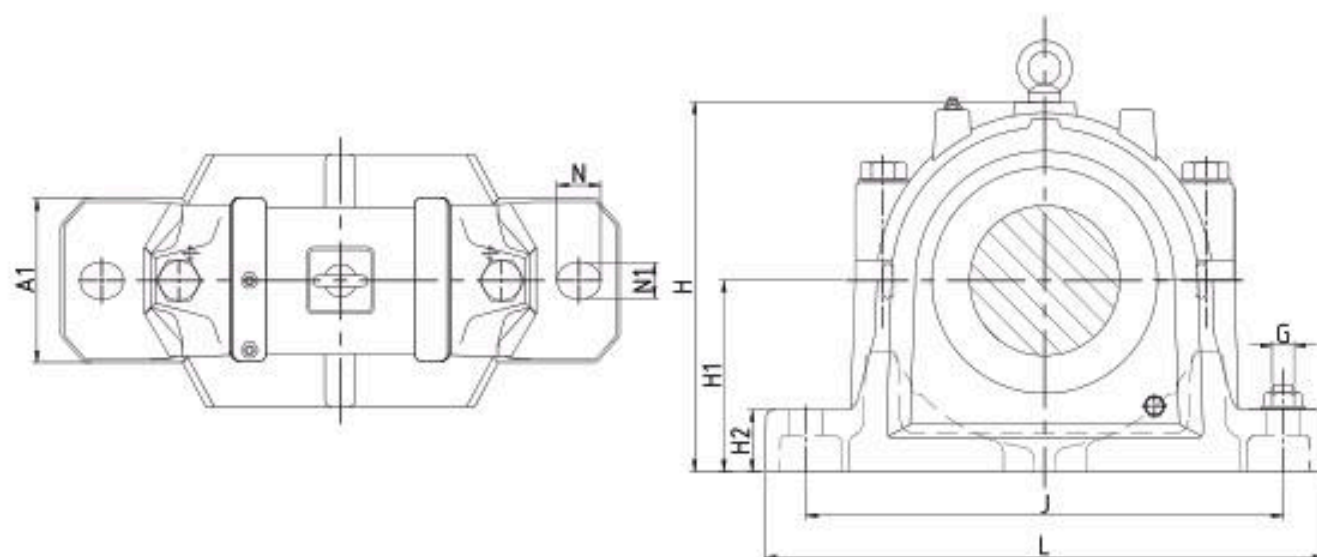


TECHNICAL DETAIL AND PRODUCT FEATURE

- SNLN 30 Series is horizontally split type bearing housing which has advantage like ease during maintenance and also ease while changing of bearing.
- SNLN 30 housings, diameter 110 mm to 260 mm is the limiting range for use of 23000 series bearing with adapter sleeve. And shaft diameter 120 mm to 280 mm for 23000 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 30 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 30 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 30 series much superior to previous series, (superseded series SN 30). Starting from medium load and speed, SNLN 30 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 30 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 30 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 30 housings:
SNLN 30- suitable for bearing with adapter sleeve.
SNLN 30 - suitable for bearing with cylindrical bore.
- Material for SNLN 30 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 30 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 30 type conform to International standard ISO 113; 2010, making it readily adaptable universally.

SNLN 3000 SERIES

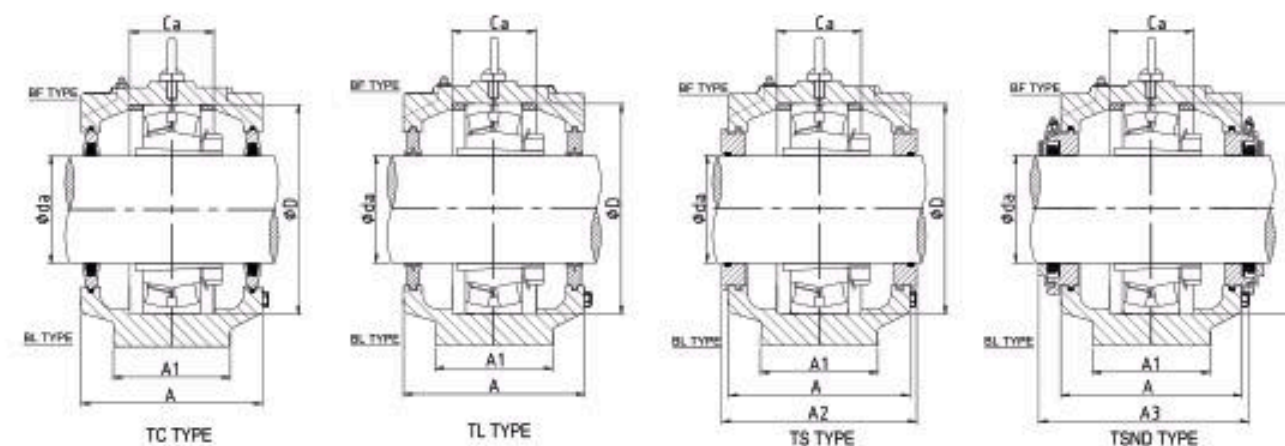
Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



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

SNLN 3000 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



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

SD SERIES BEARING HOUSINGS

SD Series is robust in construction and heavy in design as compared to those series like SN, SNA, SNH and SNL. SD series is meant for heavy-duty applications with bearing series 231 onwards, having shaft diameters of 150 mm and above. SD housings are recommended for industries having heavy-duty with temperature and continuous service like Cement, Steel, Conveyors and material handling, Mining, Rolling Mills, Paper Industries, Power Plants etc.

TECHNICAL DETAIL AND PRODUCT FEATURE

- SD series housings are horizontally split type that helps easy assembly and maintenance for heavy-duty bearing installations. It has a hollow base construction, which allows heavy loads coming from multiple directions & remains stable in higher vibration & higher temperature conditions.
- From a foundry point of view, its construction is so simple and streamlined that one can aim to produce zero-defect castings. The hollow bottom base is strengthened with a rib in the middle, which allows increased load-carrying capacity.
- Inside SD housing a sump is made to allow smooth flow of grease or oil during operation. For better lubrication results, inside the housing, a pocket cavity is provided at lock nut side which allows the collection of used grease or oil during operation. Exactly on the outside face of the base, two pads are provided, where holes can be put for drain and/or oil level indicator suitably.



SD SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

- A shaft diameter 150 mm to 450 mm is the limiting range for the use of suitable bearings of 23100 CCK series.
- For the located bearing option in the axial direction, the provision for locating ring is available. Depending upon bearing size, one or two locating rings are used.
- SD housings are suitable for grease as well as oil lubrication. One hole is provided in the center of the cap of the housing to allow efficient lubrication for bearing with W33 feature. In the case of oil lubrication, a circulating oil lubrication system can also be used in this housing.
- Since Grease lubrication is used for the SD series, the best seal provided is Labyrinth type. For heavy-duty applications in an external hostile environment, Taconite seal is the best option.
 - ♦ Labyrinth Seal : TS
 - ♦ Taconite Seal : TER

A rubber O'Ring is provided with a labyrinth seal, which is inserted between the shaft and labyrinth. This ensures that the labyrinth ring rotates with the shaft and also permits slight axial displacement caused by thermal changes in the shaft.

- For the shaft end option in the housing assembly, provision for an end cover is available.
- Five-dimensional series are available in SD housings:
 - SD 31- suitable for bearing SERIES 231...with adapter sleeve
 - SD 30- suitable for bearing SERIES 230...with adapter sleeve
 - SD 33- suitable for bearing SERIES 230...with adapter sleeve
 - SD 500 - suitable for bearing SERIES 222...CK with adapter sleeve
 - SD 600 - suitable for bearing SERIES 223...CK with adapter sleeve

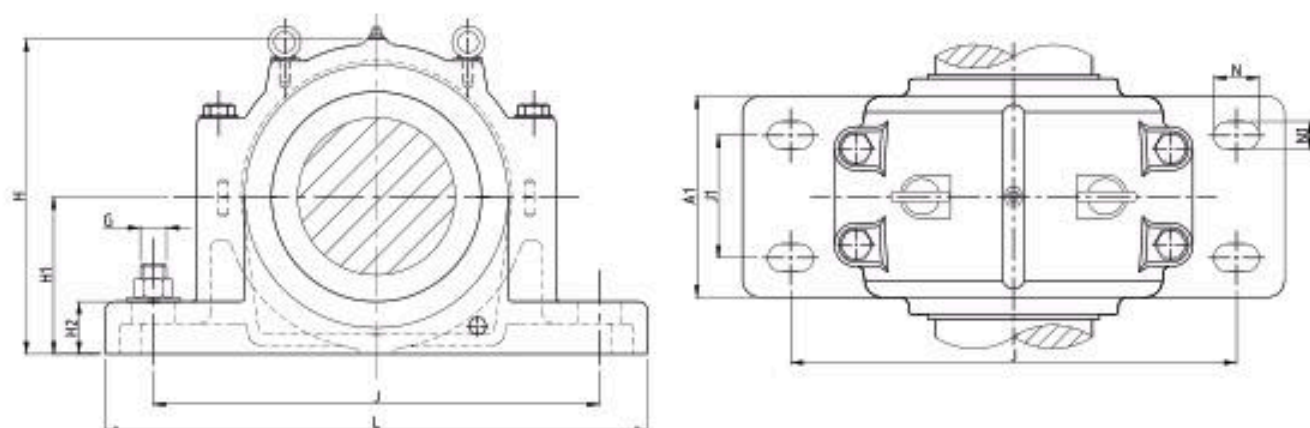
For bearing with cylindrical shaft, SD series housing can also be supplied, in which case the labyrinth is made for suitable shaft size. Such housing is identified with suffix G, eg. SD 3134 GTS

- Material for SD series:
The following options are available, which allow a 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)
- All SD housings are supplied with four foundation slots and a very strong base, which gives the required rigidity to bearing housing installation. Such provision takes care of service where there is heavy vibration and/or severe load on bearing housing.



SD 3300 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

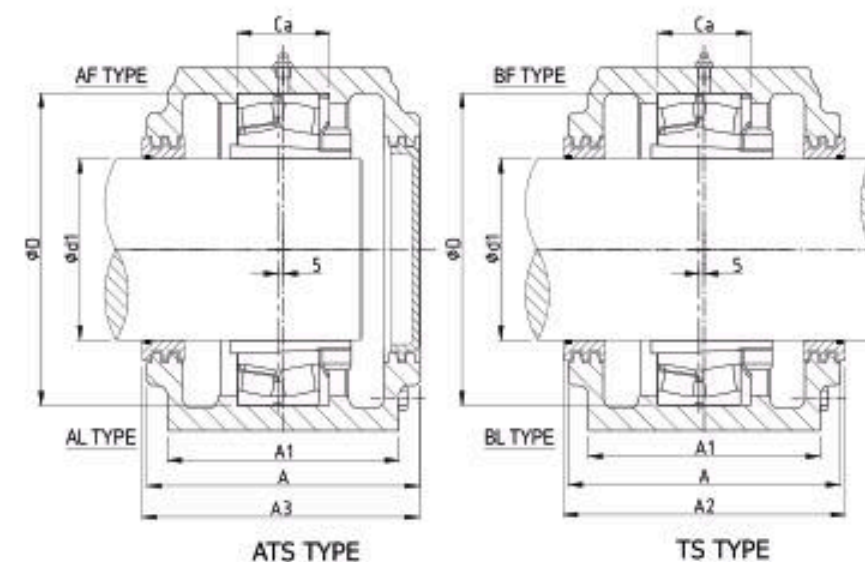


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia d1	Dimension in mm							
		L	J	J1	H2	H1	H	A1	A
SD 3340	180	620	510	140	60	180	360	230	270
SD 3344	200	700	570	160	65	200	400	260	290
SD 3348	220	740	610	170	65	210	420	270	300
SD 3352	240	820	680	190	70	240	475	300	330
SD 3356	260	860	710	200	85	250	500	320	350
SD 3360	280	920	770	210	85	280	550	330	360
SD 3364	300	940	790	210	85	280	560	340	370
SD 3368	320	1020	860	230	100	310	615	370	400
SD 3372	340	1060	890	250	100	325	640	390	410
SD 3376	360	1080	900	260	100	340	665	390	410

SD 3300 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

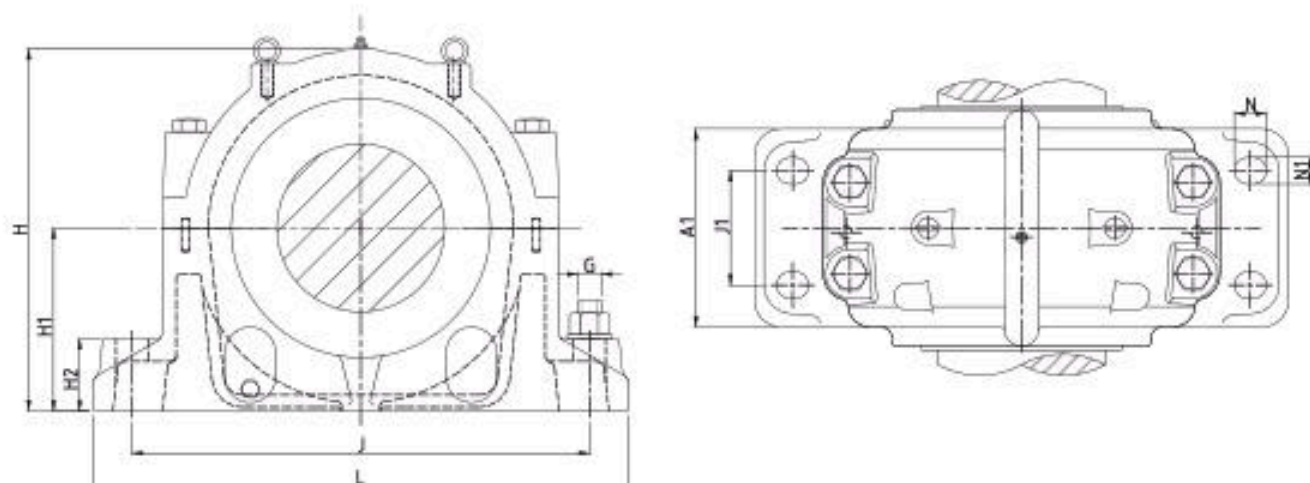


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia d1	Dimension in mm							Appropriate Bearing	Adapter Sleeve	Locating Ring Size 1No. per Housing
	N	N1	G	A2	A3	Ca	D			
180	52	32	M 30	280	275	92	310	23040 CCKIW33	H 3040	10/310
200	55	35	M 30	300	295	100	340	23044 CCKIW33	OH 3044 H	10/340
220	55	35	M 30	310	305	102	360	23048 CCKIW33	OH 3048 H	10/360
240	60	40	M 36	340	335	114	400	23052 CCKIW33	OH 3052 H	10/400
260	62	42	M 36	360	355	116	420	23056 CCKIW33	OH 3056 H	10/420
280	62	42	M 36	370	365	128	460	23060 CCKIW33	OH 3060 H	10/460
300	62	42	M 36	380	375	131	480	23064 CCKIW33	OH 3064 H	10/480
320	70	50	M 42	410	405	143	520	23068 CCKIW33	OH 3068 H	10/520
340	70	50	M 42	420	415	144	540	23072 CCKIW33	OH 3072 H	10/540
360	70	50	M 42	420	415	145	560	23076 CCKIW33	OH 3076 H	10/560

SD 3100 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

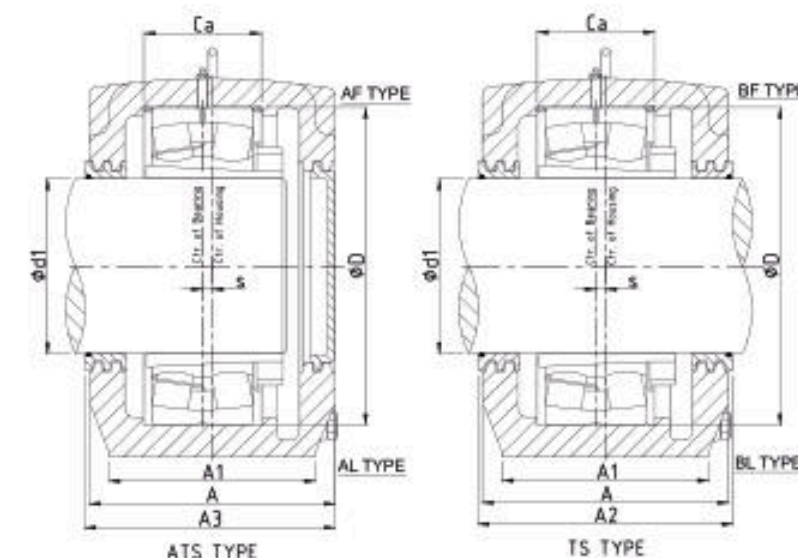


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia d1	Dimension in mm						
		A	A1	A2	H	H1	H2	L
SD 3134	150	230	180	240	335	170	70	510
SD 3136	160	240	190	250	355	180	75	530
SD 3138	170	260	210	270	375	190	80	560
SD 3140	180	280	230	290	410	210	85	610
SD 3144	200	290	240	300	435	220	90	640
SD 3148	220	310	260	320	475	240	95	700
SD 3152	240	320	280	330	515	260	100	770
SD 3156	260	320	280	330	550	280	105	790
SD 3160	280	350	310	360	590	300	110	830
SD 3164	300	370	330	380	630	320	115	880
SD 3168	320	400	360	410	675	340	120	950

SD 3100 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

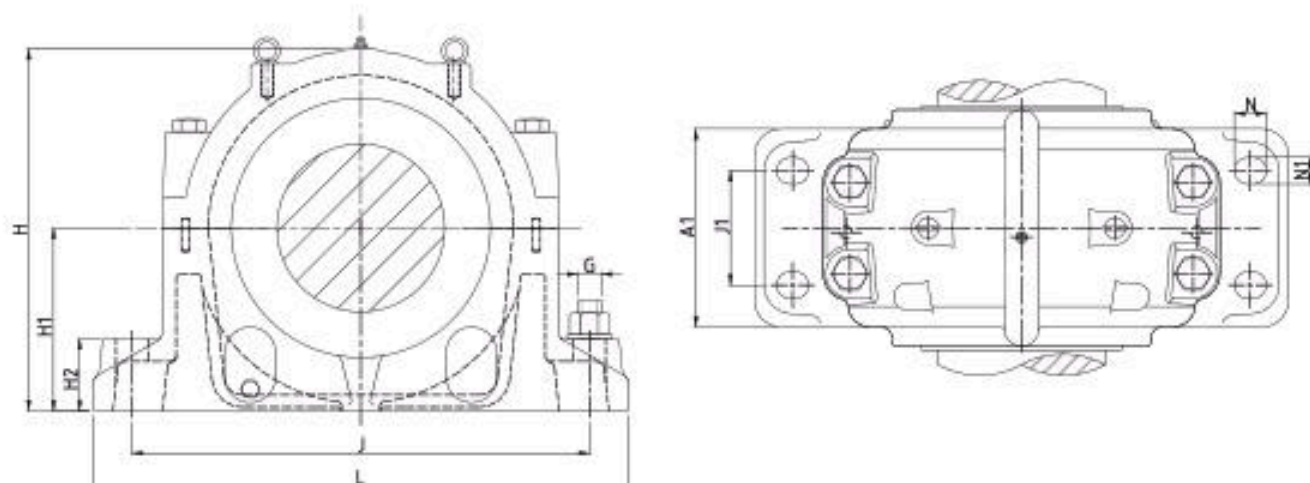


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia d1	Dimension in mm						Bearing Seating		Appropriate Bearing	Adapter Sleeve	Locating Ring Size 1No. per Housing	Approx Weight Kg
	J	J1	S	G	N	N1	Ca	D				
150	430	100	14	M 24	36	30	108	280	23134 CCK/W33	H 3134	FRB 10I/280	70
160	450	110	15	M 24	36	30	116	300	23136 CCK/W33	H 3136	FRB 10I/300	78
170	480	120	10	M 24	36	30	124	320	23138 CCK/W33	H 3138	FRB 10I/320	95
180	510	130	10	M 30	42	36	132	340	23140 CCK/W33	H 3140	FRB 10I/340	120
200	540	140	12	M 30	42	36	140	370	23144 CCK/W33	OH 3144 H	FRB 10I/370	135
220	600	150	12	M 30	42	36	148	400	23148 CCK/W33	OH 3148 H	FRB 10I/400	175
240	650	160	13	M 36	52	42	164	440	23152 CCK/W33	OH 3152 H	FRB 10I/440	210
260	670	160	16	M 36	52	42	166	460	23156 CCK/W33	OH 3156 H	FRB 10I/460	240
280	710	190	22	M 36	52	42	180	500	23160 CCK/W33	OH 3160 H	FRB 10I/500	290
300	750	200	23	M 36	52	42	196	540	23164 CCK/W33	OH 3164 H	FRB 10I/540	330
320	810	220	24	M 36	52	42	210	580	23168 CCK/W33	OH 3168 H	FRB 10I/580	414

SD 3100 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

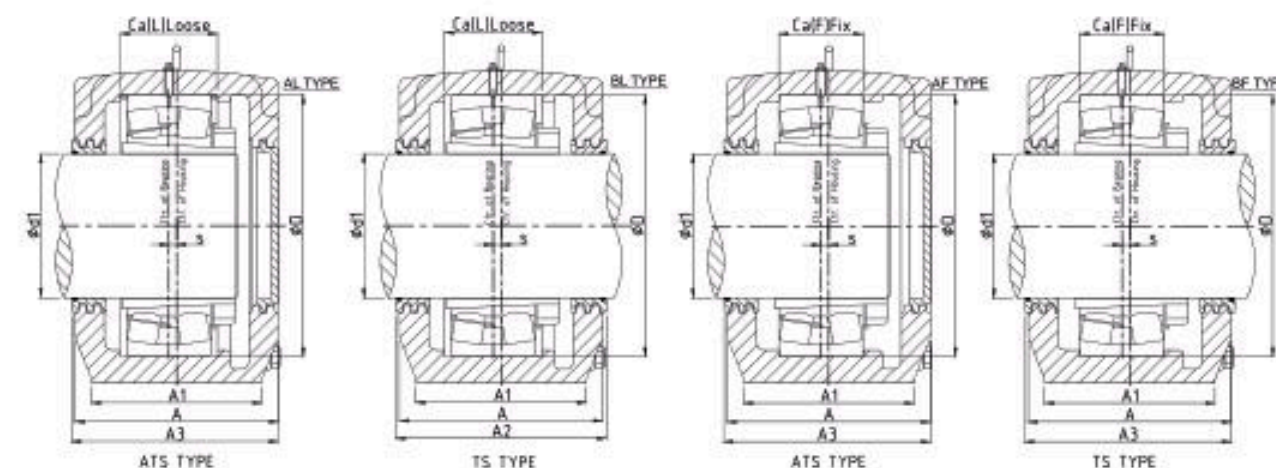


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia d1	Dimension in mm						
		A	A1	A2	H	H1	H2	L
SD 3172	340	400	360	410	695	350	120	1000
SD 3176	360	400	360	410	715	360	120	1040
SD 3180	380	430	390	440	755	380	125	1120
SD 3184	400	460	420	470	810	410	130	1170
SD 3188	410	460	430	470	835	420	135	1220
SD 3192	430	470	440	480	875	440	145	1280
SD 3196	450	470	440	480	920	460	155	1330

SD 3100 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

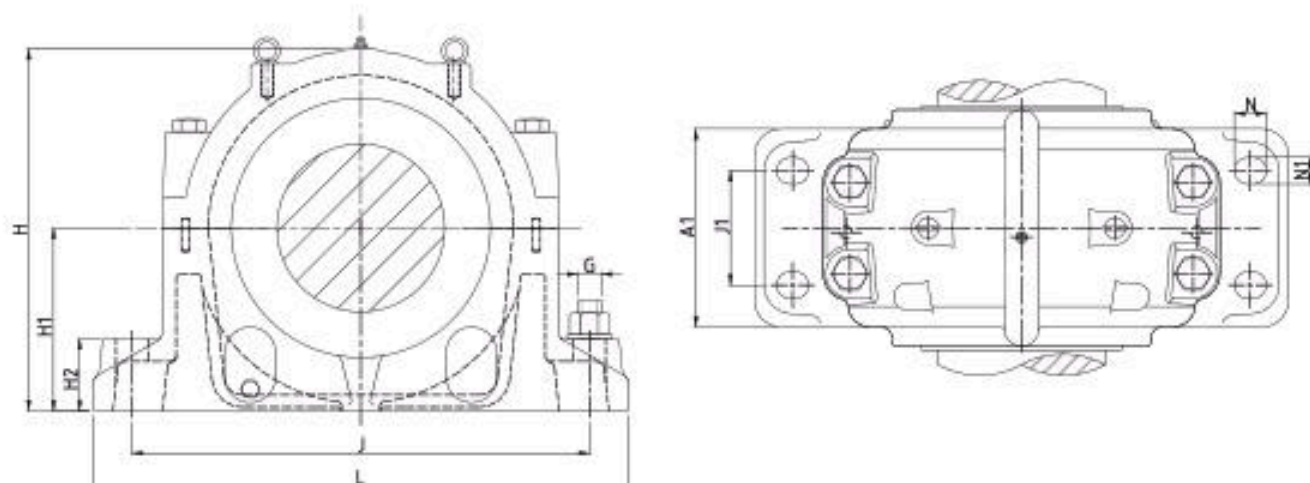


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia d1	Dimension in mm						Bearing Seating		D	Appropriate Bearing	Adapter Sleeve	Approx Weight Kg
	J	J1	S	G	N	N1	F-Fix	L-Loose				
340	840	220	30	M 36	52	42	192	212	600	23172 CCK/W33	OH 3172 H	460
360	870	220	30	M 36	52	42	194	214	620	23176 CCK/W33	OH 3176 H	480
380	950	240	30	M 42	60	48	200	220	650	23180 CCK/W33	OH 3180 H	592
400	1000	260	35	M 42	60	48	224	244	700	23184 CCK/W33	OH 3184 H	710
410	1030	260	35	M 42	60	48	226	246	720	23188 CCK/W33	OH 3188 H	750
410	1170	260	35	M 42	60	48	240	260	760	23192 CCK/W33	OH 3192 H	820
450	1110	260	35	M 48	70	56	248	268	790	23196 CCK/W33	OH 3196 H	945

SD 3000 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

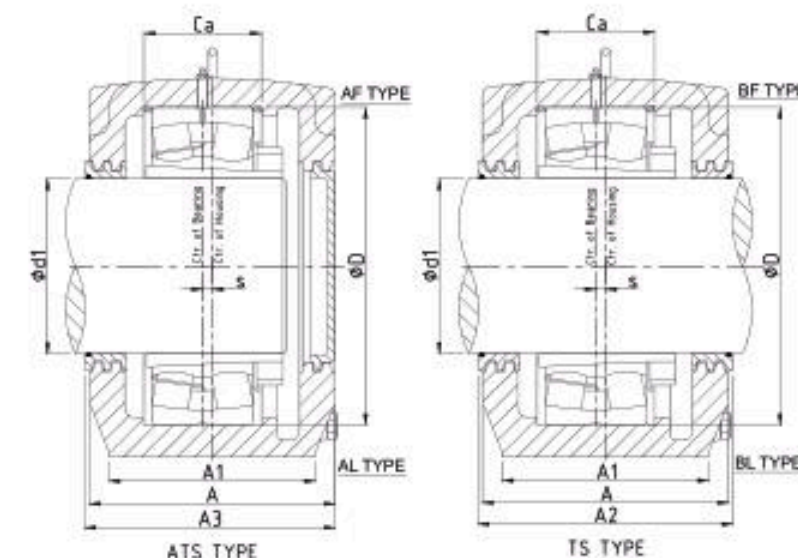


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia d1	Dimension in mm					
		A	A1	A2	H	H1	H2
SD 3034	150	230	180	240	323	170	70
SD 3036	160	230	180	240	333	170	70
SD 3038	170	240	190	250	355	180	75
SD 3040	180	260	210	270	375	190	80
SD 3044	200	280	230	290	411	210	85
SD 3048	220	290	240	300	434	220	90
SD 3052	240	310	260	320	475	240	95
SD 3056	260	320	280	330	515	260	100
SD 3060	280	320	280	330	550	280	105
SD 3064	300	350	310	360	590	300	110
SD 3068	320	370	330	380	630	320	115
SD 3072	340	370	330	380	630	320	115
SD 3076	360	390	350	400	670	340	120
SD 3080	380	410	350	420	720	365	145

SD 3000 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

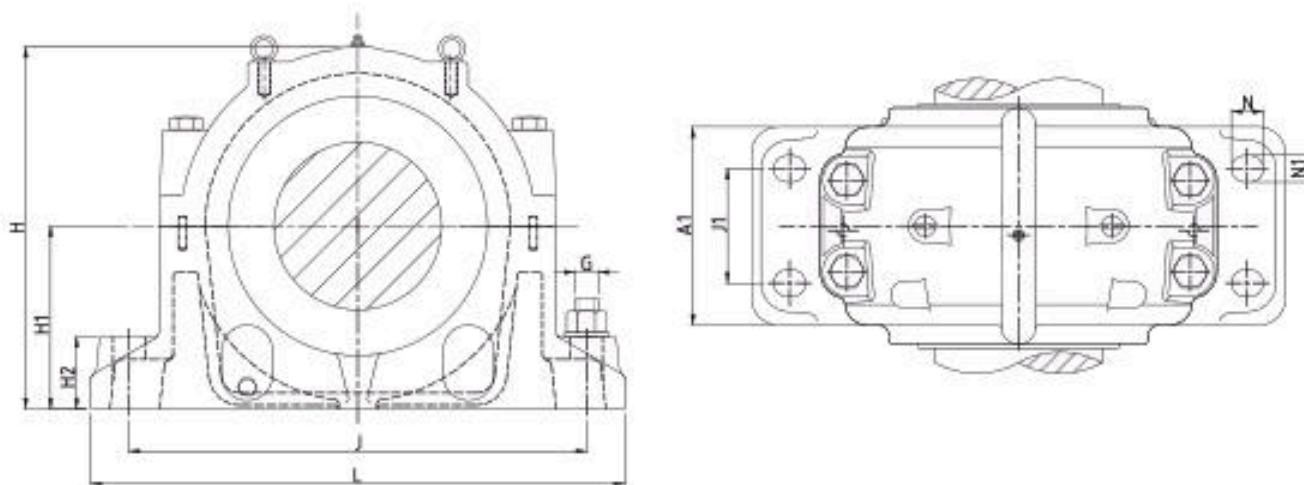


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia d1	Dimension in mm									Appropriate Bearing	Adapter Sleeve	Locating Ring Size 1/No. per Housing	Approx Weight Kg
	L	J	J1	S	G	N	N1	Ca	D				
150	510	430	100	14	M-24	34	28	87	260	23034 CCK	H 3034	10/260	54
160	510	430	100	14	M-24	34	28	94	280	23036 CCK	H 3036	10/280	64
170	530	450	110	15	M-24	34	28	95	290	23038 CCK	H 3038	10/290	70
180	560	480	120	10	M-24	34	28	102	310	23040 CCK	H 3040	10/310	82
200	610	510	130	10	M-30	42	35	110	340	23044 CCK	OH 3044 H	10/340	108
220	640	540	140	12	M-30	42	35	112	360	23048 CCK	OH 3048 H	10/360	122
240	700	600	150	12	M-30	42	35	124	400	23052 CCK	OH 3052 H	10/400	168
260	770	650	160	13	M-36	50	42	126	420	23056 CCK	OH 3056 H	10/420	202
280	790	670	160	16	M-36	50	42	138	460	23060 CCK	OH 3060 H	10/460	251
300	830	710	190	22	M-36	50	42	141	480	23064 CCK	OH 3064 H	10/480	289
320	880	750	200	23	M-36	50	42	153	520	23068 CCK	OH 3068 H	10/520	315
340	880	750	200	23	M-36	50	42	154	540	23072 CCK	OH 3072 H	10/540	415
360	930	790	210	25	M-36	50	42	155	560	23076 CCK	OH 3076 H	10/560	430
380	980	840	210	12	M-36	50	42	168	600	23080 CCK	OH 3080 H	10/600	460

SD 3000 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

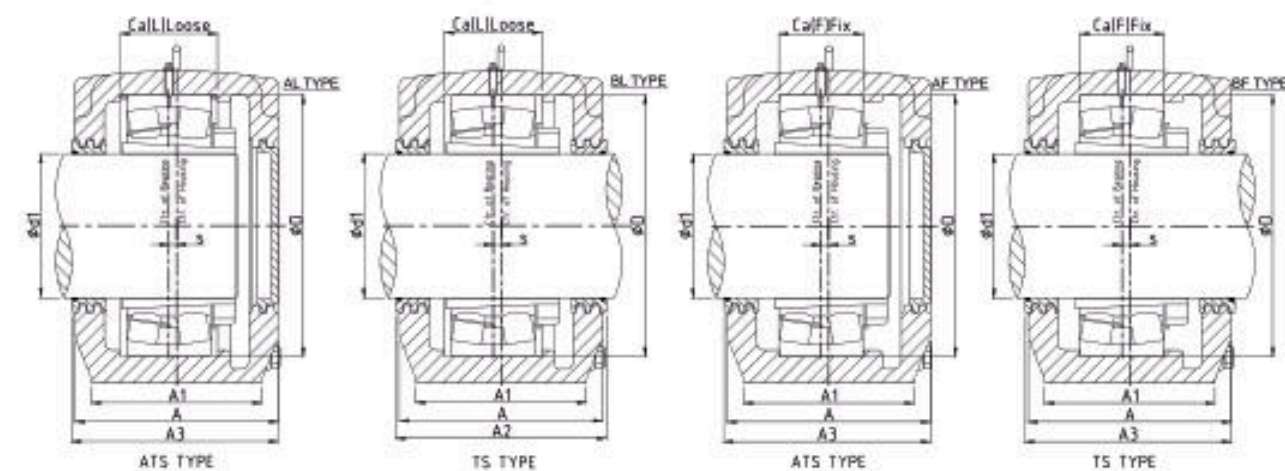


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Plummer Blocks Designation	Shaft dia d1	Dimension in mm						
		A	A1	A2	H	H1	H2	L
SD 3084	400	400	360	410	715	360	120	1040
SD 3088	410	430	390	440	755	380	125	1120
SD 3092	430	460	420	470	810	410	130	1170
SD 3096	450	460	420	470	810	410	130	1170

SD 3000 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

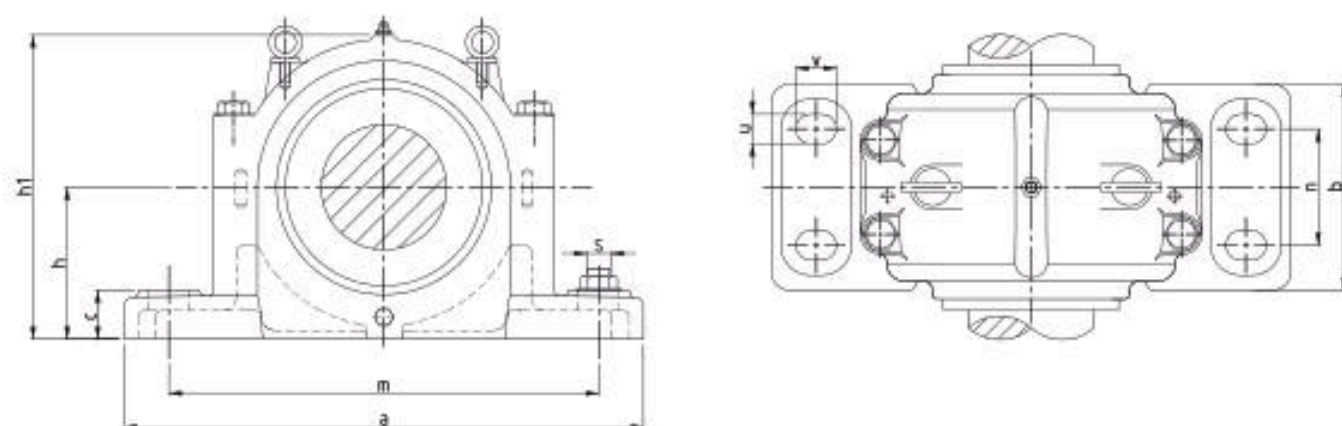


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Shaft dia d1	Dimension in mm						Bearing Seating Ca		D	Appropriate Bearing	Adapter Sleeve	Approx Weight Kg
	J	J1	S	G	N	N1	F-Fix	L-Loose				
400	870	220	30	M 36	52	42	150	194	620	23084 CCK/W33	OH 3084 H	480
410	950	240	30	M 42	60	48	157	200	650	23088 CCK/W33	OH 3088 H	592
430	1000	260	35	M 42	60	48	163	224	680	23092 CCK/W33	OH 3092 H	720
450	1000	260	35	M 42	60	48	165	224	700	23096 CCK/W33	OH 3096 H	720

SD 500 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

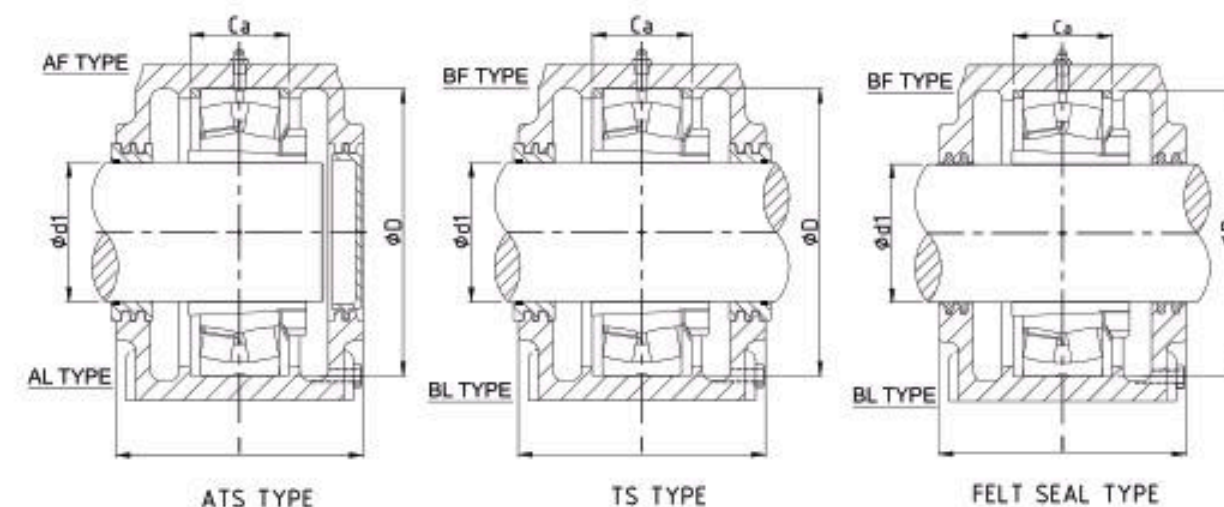


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Housing No.	Bearing with Adapter Sleeve No.	d1	Dimension in mm					
			a	b	c	l	h	h1
SD 530	22230 CK + H 3130	135	550	220	55	240	160	320
SD 532	22232 CK + H 3132	140	580	230	55	250	170	340
SD 534	22234 CK + H 3134	150	620	250	60	270	180	360
SD 536	22236 CK + H 3136	160	650	260	60	280	190	380
SD 538	22238 CK + H 3138	170	700	280	65	290	200	400
SD 540	22240 CK + H 3140	180	740	290	65	300	210	420
SD 544	22244 CK + H 3144	200	820	320	70	330	240	475
SD 548	22248 CK + H 3148	220	880	330	85	340	260	515
SD 552	22252 CK + H 3152	240	940	360	85	370	280	555
SD 556	22256 CK + H 3156	260	990	380	100	390	300	590
SD 560	22260 CK + H 3160	280	1060	400	100	410	325	640

SD 500 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

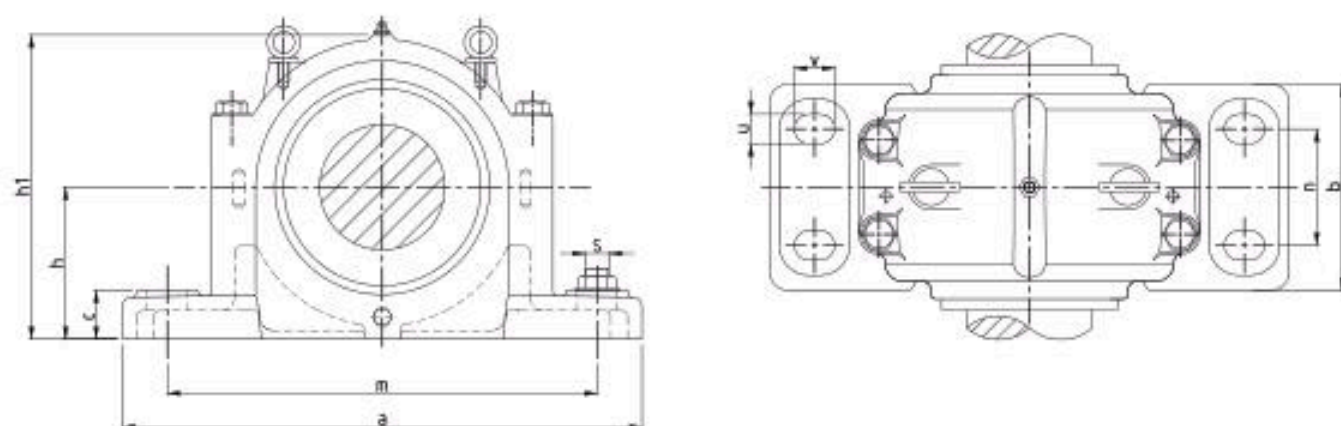


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

d1	Dimension in mm						Locating Ring Size/Two Nos. Per housing	Total Bearing Width Ca
	m	n	v	u	s	D		
135	450	120	45	33	M 27	270	10/270	93
140	480	130	45	33	M 27	290	10/290	100
150	510	140	50	36	M 30	310	10/310	106
160	540	150	50	36	M 30	320	10/320	106
170	570	160	55	40	M 33	340	10/340	112
180	610	170	55	40	M 33	360	10/360	118
200	680	190	62	42	M 36	400	10/400	128
220	740	200	65	45	M 39	440	10/440	140
240	790	210	65	45	M 39	480	10/480	150
260	830	230	77	52	M 45	500	10/500	150
280	890	250	77	52	M 45	540	10/540	160

SD 600 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

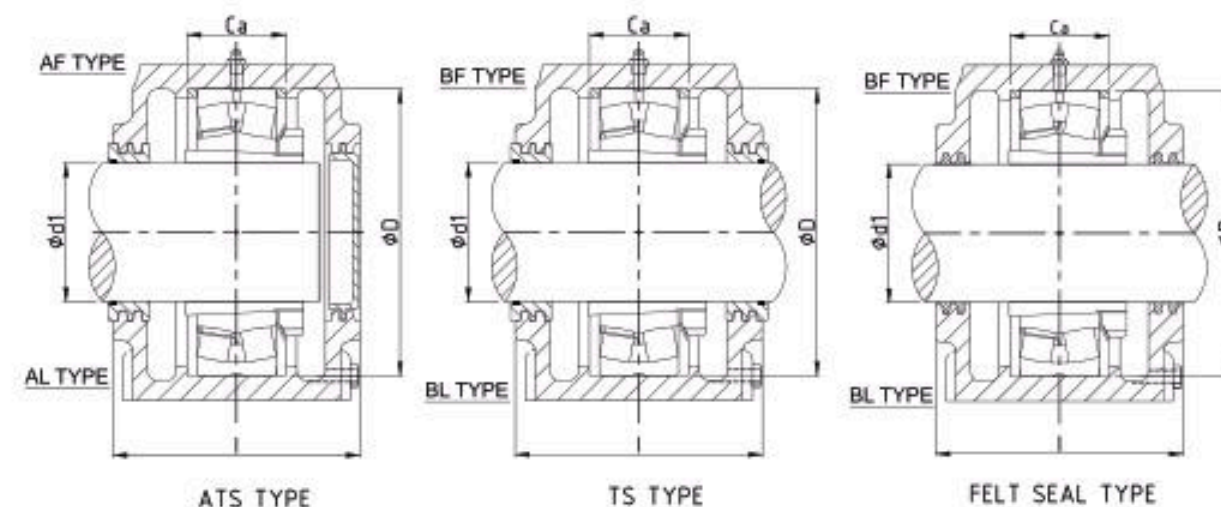


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Housing No.	Bearing with Adapter Sleeve No.	d1	Dimension in mm					
			a	b	c	l	h	h1
SD 628	22328 CK + H 2328	125	580	230	55	250	170	340
SD 630	22330 CK + H 2330	135	650	260	60	280	190	380
SD 632	22332 CK + H 2332	140	700	280	65	290	200	400
SD 634	22334 CK + H 2334	150	740	290	65	300	210	420
SD 636	22336 CK + H 2336	160	780	310	70	320	225	450
SD 638	22338 CK + H 2338	170	820	320	70	330	240	475
SD 640	22340CK + H 2340	180	860	340	85	350	250	500
SD 644	22344 CK + H 2344	200	920	350	85	360	280	550
SD 648	22348 CK + H 2348	220	990	380	100	390	300	590
SD 652	22352 CK + H 2352	240	1060	400	100	410	325	640

SD 600 Series

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



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

d1	Dimension in mm						Locating Ring Size/Two Nos. Per housing	Total Bearing Width Ca
	m	n	v	u	s mm inch	D		
125	480	130	45	33	M 27 1-1/16	300	10/300	122
135	540	150	50	36	M 30 1-1/8	320	10/320	128
140	570	160	55	40	M 33 1-1/4	340	10/340	134
150	610	170	55	40	M 33 1-1/4	360	10/360	140
160	640	180	62	42	M 36 1-3/8	380	10/380	146
170	680	190	62	42	M 36 1-3/8	400	10/400	152
180	710	200	65	45	M 39 1-1/2	420	10/420	158
200	770	210	65	45	M 39 1-1/2	460	10/460	165
220	830	230	77	52	M 45 1-3/4	500	10/500	175
240	890	250	77	52	M 45 1-3/4	540	10/540	185

SDJ SERIES BEARING HOUSINGS

SDJ Series housings are considered as a complement to the SD3100 series housings. SDJ housings are very large and heavy-duty housing. They are suitable for spherical roller bearing 231... series with adapter sleeve having a shaft diameter of 320 mm onwards. Considering the heavy construction of the housing base, SDJ housings are the preferred choice for steel industries, crusher applications as well as cement industries.

TECHNICAL DETAIL AND PRODUCT FEATURE

- They are horizontally split housing, which helps easy assembly and maintenance for heavy-duty bearing installations. It has a solid base construction, allowing heavy load exerting from various directions.
- At the base of the housing heavy ribs are provided on both sides of the base, which supports heavy bearing load coming on housing in any direction efficiently. Heavy ribbed construction in the bottom half permits SDJ housing to accommodate load acting at a right angle to the foundation.
- At the base, four elongated holes for bolts are provided for a secured foundation while assembly.



SDJ SERIES BEARING HOUSINGS

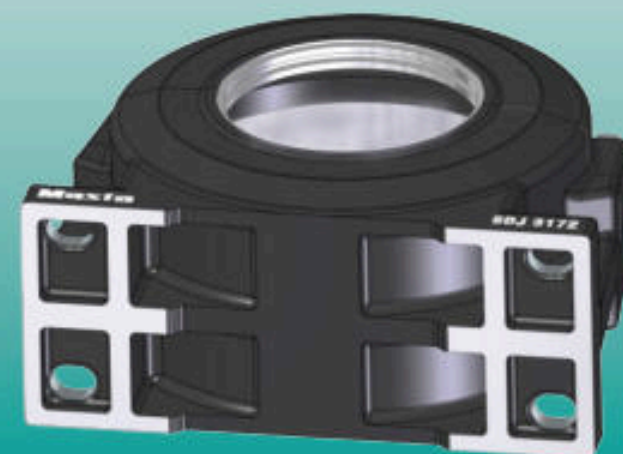
TECHNICAL DETAIL AND PRODUCT FEATURE

- On the cap, an integral heavy rib is provided with a hole on each side for anchoring purposes to lift this heavy housing instead of eye bolts.
- A shaft diameter of 320 mm to 530 mm is the limiting range for the use of suitable bearings for this series.
- The SDJ housing can be supplied for located and non-located bearing options. The bearing seating width is machined appropriately for this purpose considering heavy construction of the housing (locating ring is not used).
- SDJ housings are recommended for grease lubrication. While assembly, initial grease fill for each size of housing is specified. The housing can be modified to suit oil lubrication in case required.
- Since Grease lubrication is used for SDJ series, the best seal provided is Labyrinth type.

Labyrinth Seal : TS

A rubber O'Ring is provided with a labyrinth seal which is inserted between the shaft and labyrinth. This ensures that the labyrinth ring rotates with the shaft and also permits slight axial displacement caused by thermal changes in the shaft and permissible alignment of the bearing.

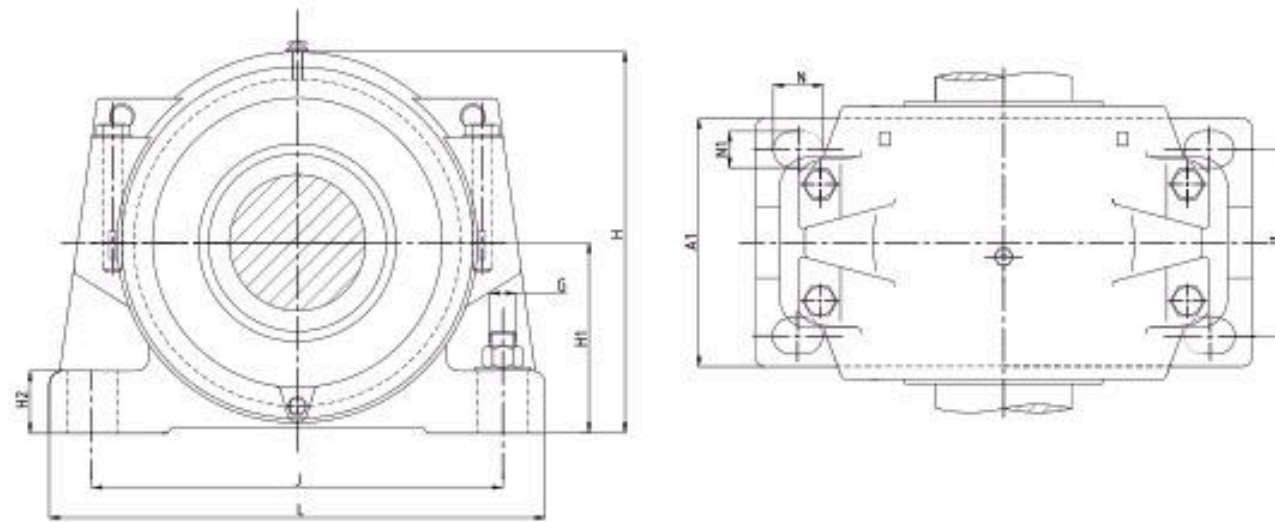
- For the shaft end option in the housing assembly, provision for an End Cover is available.
- Two-dimensional Series are available in SDJ housings:
SDJ 30- suitable for bearing SERIES 230...with adapter sleeve
SDJ 31- suitable for bearing SERIES 231...with adapter sleeve
Further, it is possible to modify the housing to accommodate the bearing of other series (having the same bearing outside diameter) by suitably machining the bearing seating size.
- Material for SDJ series:
The following options are available, which allow a user to select his suitability depending upon the loading condition for bearing housing.
 - Graded Cast Iron : Gr FG 260 (IS 210) - SDJC
 - Cast Steel : Gr 230-450 (IS 1030)- SDJS
 - SG (Ductile) Iron : Gr 400/15 (IS 1865) - SDJD
- All SDJ housings are supplied with four foundation slots and a very strong base which gives the required rigidity to bearing housing installation. Such provision takes care of service where there is heavy vibration and/or severe loading on bearing housing.



Bottom View

SDJ SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

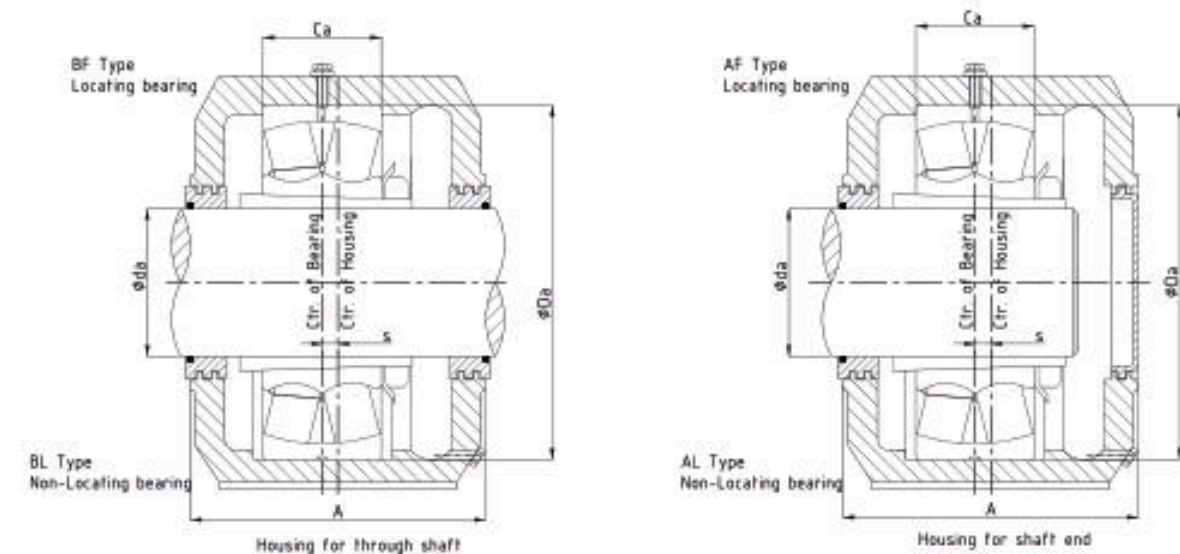


Shaft dia. da mm	Housing Dimensions(in mm)														Mass (Approx) kg	Designations Housings for through shaft	
	A	A1	Ca #	Da	H	H1	H2	J	J1	L	N	N1	s	G		Locating Bearing	Non-locating Bearing
320	410	350	190	580	705	360	70	700	240	830	68	52	30	42	550	SDJC 3168 FTS	SDJC 3168 LTS
340	410	350	192	600	705	360	70	700	240	830	68	52	30	42	500	SDJC 3172 FTS	SDJC 3172 LTS
360	450	380	194	620	765	390	75	760	280	880	68	52	35	42	775	SDJC 3176 FTS	SDJC 3176 LTS
380	450	380	200	650	765	390	75	760	280	880	68	52	35	42	700	SDJC 3180 FTS	SDJC 3180 LTS
400	480	400	224	700	855	440	80	810	280	940	68	52	35	42	875	SDJC 3184 FTS	SDJC 3184 LTS
410	480	400	226	720	855	440	80	810	280	940	68	52	35	42	800	SDJC 3188 FTS	SDJC 3188 LTS
430	520	440	240	760	920	470	80	880	310	1040	80	60	35	48	1200	SDJC 3192 FTS	SDJC 3192 LTS
450	520	440	248	790	920	470	80	880	310	1040	80	60	35	48	1100	SDJC 3196 FTS	SDJC 3196 LTS

Bearing seating 'Ca' in non-located bearing is 20 mm wider than given dimension

SDJ SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



Shaft dia. mm	Appropriate Bearing	Adapter Sleeve	Separate components Housing without seals		Labyrinth Ring with O section tube	End cover with O section tube	Grease Quantity* Initially Kg
			Locating Bearing	Non-locating Bearing			
320	23168 CCK/W33	OH 3168 H	SDJC 3168 F	SDJC 3168 L	TS 68	ETS 68	19.3
340	23172 CCK/W33	OH 3172 H	SDJC 3172 F	SDJC 3172 L	TS72	ETS 72	19.1
360	23176 CCK/W33	OH 3176 H	SDJC 3176 F	SDJC 3176 L	TS 76	ETS 76	24.5
380	23180 CCK/W33	OH 3180 H	SDJC 3180 F	SDJC 3180 L	TS 80	ETS 80	23.8
400	23184 CCK/W33	OH 3184 H	SDJC 3184 F	SDJC 3184 L	TS 84	ETS 84	33.3
410	23188 CCK/W33	OH 3188 H	SDJC 3188 F	SDJC 3188 L	TS 88	ETS 88	33.0
430	23192 CCK/W33	OH 3192 H	SDJC 3192 F	SDJC 3192 L	TS 92	ETS 92	42.6
450	23196 CCK/W33	OH 3196 H	SDJC 3196 F	SDJC 3196 L	TS 96	ETS 96	40.4

Housing for shaft ends with one end cover carry the designation suffix
A.e.g.SDJC 3168 AFTS and SDJC 3168 ALTS respectively

* Based on 100% filling

SDG SERIES BEARING HOUSINGS

SDG series is a large heavy-duty housing suitable for spherical roller bearing with adapter sleeve or withdrawal sleeve and also with a cylindrical bore. SDG housings are very sturdy and strong hence they are extremely reliable for heavy-duty applications. They are widely used in heavy industries like, Metal Mining, Cement, Rolling Mills, Crusher Applications, Coal Mining, Steel etc.

SDG series is horizontal split housing and has a cover on only one side. The cover is inserted in a groove in the housing. Where there is a larger housing, the cover is bolted to the side of the housing face. To ensure the correct matching of the housing cap and base, a cylindrical dowel is provided on each side near the cap bolt.

Since SDG is heavy housing, machined pads are provided on the side's base feet. This is very useful for mounting the housing while aligning it, using a wedge at the machined pad.

TECHNICAL DETAIL AND PRODUCT FEATURE

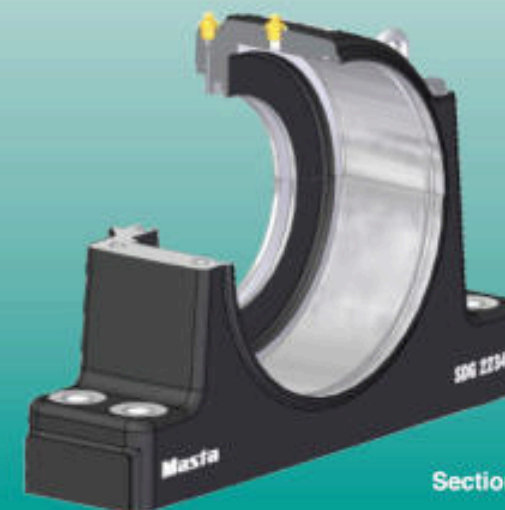
- They are horizontally split housing which helps easy assembly and maintenance for heavy-duty bearing installations. It has a hollow base construction with a strengthening wide rib in the middle, allowing heavy loading to come from various directions.
- At the base four elongated holes for bolts are provided for a secured foundation while assembly.
- A shaft diameter of 125 mm to 710 mm is the limiting range for the use of suitable bearings for this series.



SDG SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

- The SDG housing can be supplied for located and non-located bearing options. The bearing seating width is machined appropriately for this purpose. No locating ring is used due to the heavy-duty application of the housing; instead bearing seating width is machined suitably for located and non-located options.
- SDG housings are recommended for grease lubrication. While assembly, initial grease fill for each size of housing is specified.
- Since Grease lubrication is used for the SDG series, the best seal provided is Labyrinth type.
Labyrinth Seal : TS along with felt seal FC
Felt Seal with V Seal: FS + TA (only for plain cylindrical shaft where supplementary V seal provided together with felt seal to enhance sealing efficiency)
The labyrinth seal provided for SDG is designed specially which supports felt seal to increase sealing efficiency.
- For the shaft end option in the housing assembly, provision for an End Cover is available.

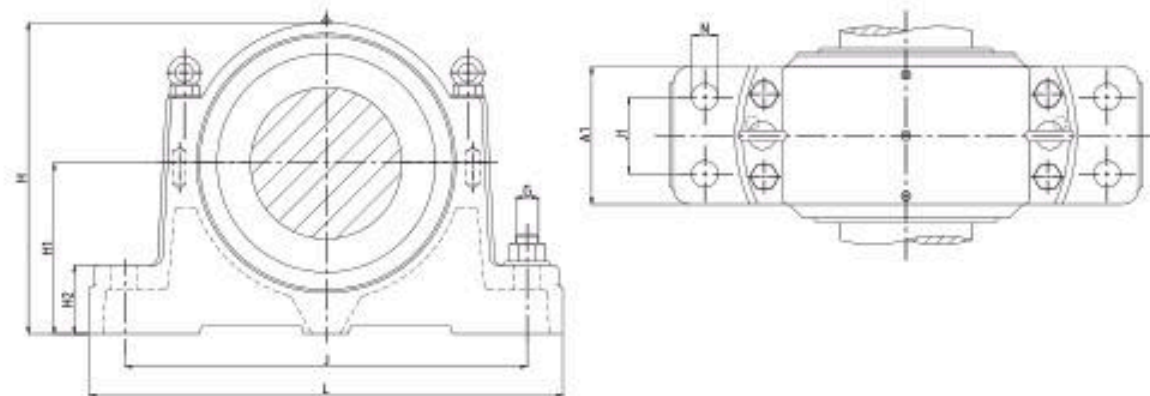


Section View

- Seven-dimensional Series are available in SDG housings:
SDG 22- suitable for bearing SERIES 222...with adapter/withdrawal sleeve OR cylindrical bore
SDG 23- suitable for bearing SERIES 223...with adapter/withdrawal sleeve OR cylindrical bore
SDG 30- suitable for bearing SERIES 230...with adapter/withdrawal sleeve OR cylindrical bore
SDG 31- suitable for bearing SERIES 231...with adapter/withdrawal sleeve OR cylindrical bore
SDG 32- suitable for bearing SERIES 232...with adapter/withdrawal sleeve OR cylindrical bore
SDG 40- suitable for bearing SERIES 240...with adapter/withdrawal sleeve OR cylindrical bore
SDG 41- suitable for bearing SERIES 241...with adapter/withdrawal sleeve OR cylindrical bore
- Material for SDG series:
The following options are available, which allow a 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)
Based on material, the SDG series is identified (for bearing with adapter sleeve) as,
SDGC for cast iron material,
SDGS for cast steel material and
SDGD for ductile iron material.
Incase bearing with cylindrical bore is used, additional suffix G is used in product code, e.g. SDGC 2328 G or SDGS 3044 G... etc.
Further, when bearing with withdrawal sleeve is used, a suffix D is used in product code, e.g. SDGC 2328 D or SDGS 3044 D... etc.

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

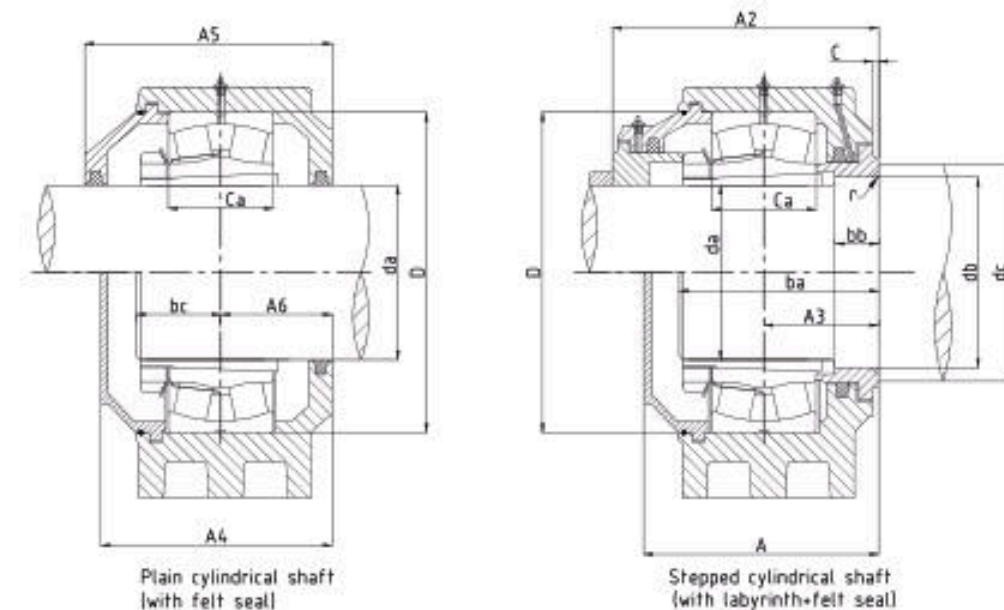


Shaft diameter da mm	Housing Dimension																Masses (Approx) Housing type		Designation(1)
	A mm	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
125	222	165	258	110	219	237	107	6	385	210	85	500	90	590	35	M 30	92.0	100	SDGC 2328
135	237	180	272	117	234	251	114	6	410	225	90	510	100	600	35	M 30	110	120	SDGC 2330
140	253	195	288	125	250	266	122	6	440	240	95	580	105	690	42	M 36	140	150	SDGC 2332
150	197	140	232	97	194	212	94	6	387	210	85	490	70	580	28	M 24	72	80	SDGC 2234
	222	165	258	110	219	237	107	6	385	210	85	500	90	590	35	M 30	85	90	SDGC 3234
	270	210	315	135	265	285	130	8	475	260	105	610	120	720	42	M 36	180	195	SDGC 2334
160	222	165	258	110	219	237	107	6	385	210	85	500	90	590	35	M 30	90	94	SDGC 3136
	207	150	242	102	204	221	99	6	424	230	90	520	80	600	28	M 24	98	110	SDGC 2236
	237	180	272	117	234	251	114	6	410	225	90	510	100	600	35	M 30	110	115	SDGC 3236
	270	210	315	135	265	285	130	8	475	260	105	610	120	720	42	M 36	165	180	SDGC 2336
170	237	180	272	117	234	251	114	6	410	225	90	510	100	600	35	M 30	110	115	SDGC 3138
	207	150	242	102	204	221	99	6	424	230	90	520	80	600	28	M 24	103	115	SDGC 2238
	253	195	288	125	250	266	122	6	440	240	95	580	105	690	42	M 36	140	145	SDGC 3238
	298	225	336	146	293	311	141	8	515	280	115	655	130	770	42	M 36	225	240	SDGC 2338
180	197	140	232	97	194	212	94	6	387	210	85	490	70	580	28	M 24	70	75	SDGC 3040
	253	195	288	125	250	266	122	6	440	240	95	580	105	690	42	M 36	140	145	SDGC 3140
	220	160	265	110	215	235	105	8	445	240	95	560	80	670	35	M 30	110	125	SDGC 2240
	270	210	315	135	265	285	130	8	475	260	105	610	120	720	42	M 36	180	190	SDGC 3240
	328	250	366	158	323	343	153	8	565	310	125	730	140	860	48	M 42	270	280	SDGC 2340
200	207	150	242	102	204	221	99	6	424	230	90	520	80	600	28	M 24	82	92	SDGC 3044
	270	210	315	135	265	285	130	8	475	260	105	610	120	720	42	M 36	170	180	SDGC 3144
	233	160	270	113	228	246	108	8	500	270	110	620	80	710	35	M 30	135	155	SDGC 2244
	298	225	336	146	293	311	141	8	515	280	115	655	130	770	42	M 36	220	230	SDGC 3244
	330	250	370	160	323	343	153	10	585	320	130	750	145	880	48	M 42	315	330	SDGC 2344
220	220	160	265	110	215	235	105	8	445	240	95	560	80	670	35	M 30	100	115	SDGC 3048
	298	225	336	146	293	311	141	8	515	280	115	655	130	770	42	M 36	215	228	SDGC 3148
	270	190	310	130	263	283	123	10	570	310	120	710	100	825	42	M 36	230	260	SDGC 2248
	328	250	366	158	323	343	153	8	565	310	125	730	140	860	48	M 42	295	310	SDGC 3248
	360	280	405	175	353	376	168	10	640	350	140	800	165	940	48	M 42	400	425	SDGC 2348

#The designation denotes a housing for cylindrical shafts. A housing for stepped cylindrical shaft is designated by suffix C.e.g.SDGC 2328 C

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



Plain cylindrical shaft
(with felt seal)

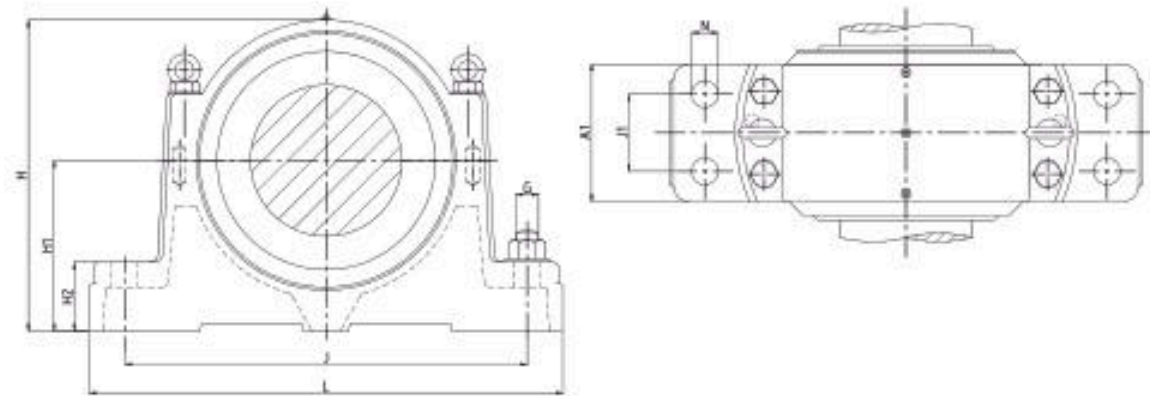
Stepped cylindrical shaft
(with labyrinth-felt seal)

Shaft diameter da mm	appropriate Bearing	adapter sleeve	Shaft seating, abutment and fillet dimension						Bearing Dimension		Grease quantity initial fill kg
			db@ mm	dc (min)	ba	bb	bc	r	D	Ca	
125	22328 CCK/W33	H 2328	142	150	188	40	78	2.5	300	102	1.8
135	22330 CCK/W33	H 2330	152	160	200	44	83	2.5	320	108	2.3
140	22332 CCK/W33	H 2332	162	175	213	48	88	4	340	114	2.9
150	22234 CCK/W33	H 3134	172	185	172	38	75	4	310	86	1.4
	23234 CCK/W33	H 2334	172	180	198	38	88	2.5	310	110	1.5
	22334 CCK/W33	H 2334	172	185	228	52	93	4	360	120	3.2
160	23136 CCK/W33	H 3136	182	190	192	44	82	2.5	300	96	1.3
	22236 CCK/W33	H 3136	182	195	179	40	77	4	320	86	1.7
	23236 CCK/W33	H 2336	182	190	207	42	90	2.5	320	112	1.9
	22336 CCK/W33	H 2336	182	195	232	50	97	4	380	126	3.5
170	23138 CCK/W33	H 3138	192	200	204	46	87	2.5	320	104	1.7
	22238 CCK/W33	H 3138	192	205	183	40	81	4	340	92	1.8
	23238 CCK/W33	H 2338	192	205	220	45	95	4	340	120	2.4
	22338 CCK/W33	H 2338	192	205	247	56	101	4	400	132	4.5
180	23040 CCK/W33	H 3040	202	215	174	40	77	4	310	82	1.1
	23140 CCK/W33	H 3140	202	215	217	48	92	4	340	112	2.2
	22240 CCK/W33	H 3140	202	215	194	42	84	4	360	98	2
	23240 CCK/W33	H 2340	202	215	235	50	100	4	360	128	2.7
	22340 CCK/W33	H 2340	202	215	263	62	105	4	420	138	5.6
200	23044 CCK/W33	OH 3044 H	222	235	182	40	80	4	340	90	1.4
	23144 CCK/W33	OH 3144 H	222	235	235	52	100	4	370	120	2.6
	22244 CCK/W33	OH 3144 H	222	235	207	42	94	4	400	108	2.4
	23244 CCK/W33	OH 2344 H	222	235	258	52	112	4	400	144	4
	22344 CCK/W33	OH 2344 H	222	235	272	62	112	4	460	145	6
220	23048 CCK/W33	OH 3048 H	242	255	195	45	85	4	360	92	1.4
	23148 CCK/W33	OH 3148 H	242	255	252	58	106	4	400	128	3.4
	22248 CCK/W33	OH 3148 H	242	255	232	50	102	4	440	120	3.4
	23248 CCK/W33	OH 2348 H	242	255	280	54	122	4	440	160	5
	22348 CCK/W33	OH 2348 H	242	255	295	68	120	4	500	155	7.3

@ The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

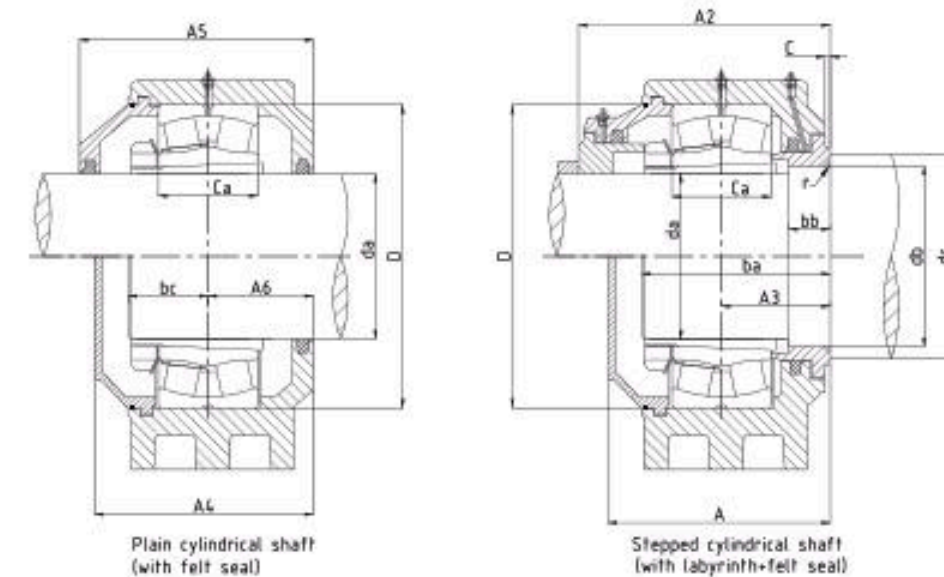


Shaft diameter da mm	Housing Dimension															Masses (Approx) Housing type		Designation/#	
	A mm	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
240	233	160	270	113	228	246	108	8	500	270	110	620	80	710	35	M 30	130	145	SDGC 3052
	328	250	366	158	323	343	153	8	565	310	125	730	140	860	48	M 42	290	300	SDGC 3152
	280	200	320	135	273	293	128	10	592	320	130	735	105	855	42	M 36	230	265	SDGC 2252
	330	250	370	160	323	343	153	10	585	320	130	750	145	880	48	M 42	280	300	SDGC 3252
	384	305	428	186	377	399	179	10	695	380	155	900	170	1060	56	M 48	530	560	SDGC 2352
260	244	165	282	116	239	261	111	8.5	520	280	115	635	80	730	35	M 30	140	155	SDGC 3056
	330	250	370	160	323	343	153	10	585	320	130	750	145	880	48	M 42	305	315	SDGC 3156
	290	210	335	140	283	306	133	10	646	350	140	780	110	900	42	M 36	310	345	SDGC 2256
	360	280	405	175	353	376	168	10	640	350	140	800	165	940	48	M 42	395	415	SDGC 3256
	420	340	465	200	412	432	192	11	750	410	165	940	195	1110	56	M 48	650	690	SDGC 2356
280	270	190	310	130	263	283	123	10	570	310	120	710	100	825	42	M 36	200	220	SDGC 3060
	360	280	405	175	353	376	168	10	640	350	140	800	165	940	48	M 42	390	410	SDGC 3160
	299	220	344	144	292	314	137	10.5	665	360	145	840	110	970	48	M 42	340	360	SDGC 2260
	384	305	428	186	377	399	179	10	695	380	155	900	170	1060	56	M 48	520	545	SDGC 3260
300	280	200	320	135	273	293	128	10	592	320	130	735	105	855	42	M 36	220	240	SDGC 3064
	384	305	428	186	377	399	179	10	695	380	155	900	170	1060	56	M 48	520	540	SDGC 3164
	320	240	365	150	312	332	142	11	740	400	160	920	120	1060	56	M 48	475	500	SDGC 2264
	420	340	465	200	412	432	192	11	750	410	165	940	195	1110	56	M 48	640	670	SDGC 3264
320	290	210	335	140	283	306	133	10	646	350	140	780	110	900	42	M 36	280	300	SDGC 3068
	420	340	465	200	412	432	192	11	750	410	165	940	195	1110	56	M 48	630	665	SDGC 3168
	425	340	468	200	418	438	193	11	790	430	175	1010	195	1190	66	M 56	740	770	SDGC 3268
340	299	220	344	144	292	314	137	10.5	665	360	145	840	110	970	48	M 42	320	340	SDGC 3072
	420	340	465	200	412	432	192	11	750	410	165	940	195	1110	56	M 48	610	625	SDGC 3172
	437	350	490	207	429	449	199	12	825	450	180	1040	200	1230	66	M 56	850	880	SDGC 3272
360	309	230	354	149	302	324	142	10.5	685	370	150	870	110	1000	48	M 42	340	360	SDGC 3076
	425	340	468	200	418	438	193	11	790	430	175	1010	195	1190	66	M 56	730	755	SDGC 3176
	479	390	534	229	469	487	219	14	895	490	200	1110	225	1300	66	M 56	1100	1150	SDGC 3276
380	320	240	365	150	312	332	142	11	740	400	160	920	120	1060	56	M 48	435	460	SDGC 3080
	437	350	490	207	429	449	199	12	825	450	180	1040	200	1230	66	M 56	840	865	SDGC 3180
	484	390	544	229	474	489	219	14	945	500	150	1160	225	1370	74	M 64	1050	1050	SDGC 3280

#The designation denotes a housing for cylindrical shafts. A housing for stepped cylindrical shaft is designated by suffix C.e.g.SDGC 2328 C

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

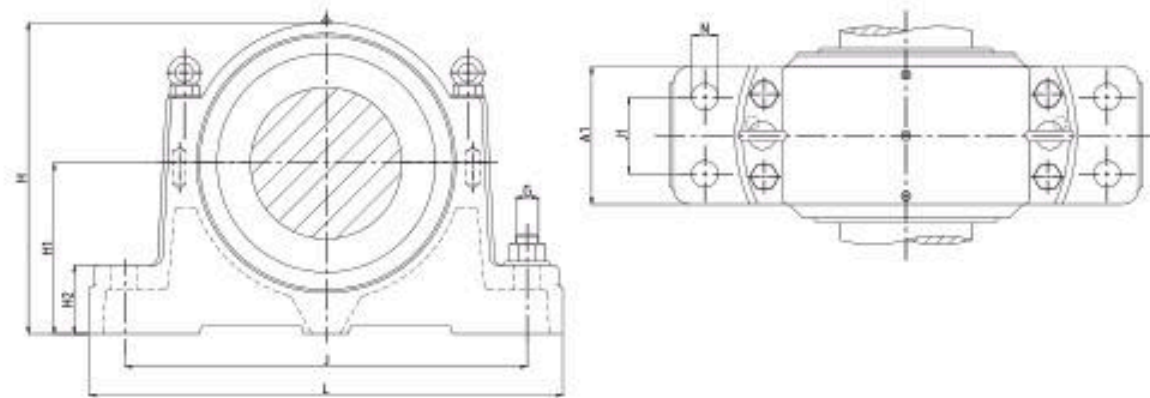


Shaft diameter da mm	appropriate Bearing	adapter sleeve	Shaft seating, abutment and fillet dimension						Bearing Dimension		Grease quantity initial fill kg
			db@ mm	dc (min)	ba	bb	bc	r	D	Ca	
240	23052 CCK/W33	OH 3052 H	262	275	204	45	91	4	400	104	1.8
	23152 CCK/W33	OH 3152 H	262	275	274	60	116	4	440	144	4.6
	22252 CACK/W33	OH 3152 H	262	275	244	50	109	4	480	130	4.4
	23252 CACK/W33	OH 2352 H	262	275	291	52	130	4	480	174	5.9
	22352 CCK/W33	OH 2352 H	262	275	312	72	126	4	540	165	9.7
260	23056 CCK/W33	OH 3056 H	282	295	212	45	96	4	420	106	1.9
	23156 CCK/W33	OH 3156 H	282	295	279	60	119	4	460	146	4.7
	22256 CACK/W33	OH 3156 H	282	295	251	52	111	4	500	130	4.4
	23256 CACK/W33	OH 2356 H	282	295	309	60	134	4	500	176	6.8
	22356 CCK/W33	OH 2356 H	282	295	334	80	134	6	580	175	12.5
280	23060 CCK/W33	OH 3060 H	302	315	236	50	106	4	460	118	3.2
	23160 CCK/W33	OH 3160 H	302	315	300	68	125	4	500	160	6.6
	22260 CACK/W33	OH 3160 H	302	315	259	52	115	4	540	140	5.4
	23260 CACK/W33	OH 3260 H	302	315	327	64	141	4	540	182	9.4
300	23064 CCK/W33	OH 3064 H	322	340	243	50	108	6	480	121	3.5
	23164 CCK/W33	OH 3164 H	322	340	321	68	135	6	540	176	8.6
	22264 CACK/W33	OH 3164 H	322	340	272	52	122	6	580	150	7.6
	23264 CACK/W33	OH 3264 H	322	340	351	68	151	6	580	208	12.5
320	23068 CCK/W33	OH 3068 H	342	360	257	50	117	6	520	133	3.7
	23168 CCK/W33	OH 3168 H	342	360	355	74	155	6	580	190	11.2
	23268 CACK/W33	OH 3268 H	342	360	372	62	172	6	620	224	14
340	23072 CCK/W33	OH 3072 H	362	380	262	50	118	6	540	134	4.3
	23172 CACK/W33	OH 3172 H	362	380	360	74	160	6	600	192	11.5
	23272 CACK/W33	OH 3272 H	362	380	387	64	180	6	650	232	14.5
360	23076 CCK/W33	OH 3076 H	382	400	270	54	121	6	560	135	5.1
	23176 CACK/W33	OH 3176 H	382	400	363	74	163	6	620	194	12
	23276 CACK/W33	OH 3276 H	382	400	415	76	186	6	680	240	19
380	23080 CACK/W33	OH 3080 H	402	420	282	55	132	6	600	148	5.6
	23180 CACK/W33	OH 3180 H	402	420	375	75	168	6	650	200	12.5
	23280 CACK/W33	OH 3280 H	402	420	425	76	196	6	720	256	20.5

@ The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

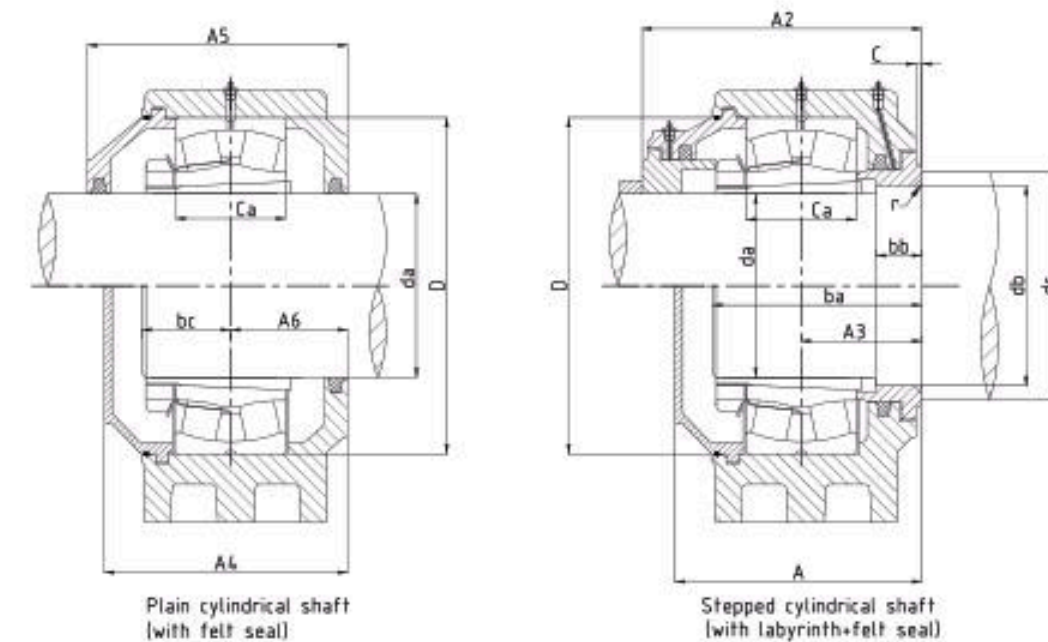


Shaft diameter da mm	Housing Dimension																Masses (Approx) Housing type A kg B kg		Designation(1)
	A	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A	B	
400	325	240	368	150	318	338	143	11	760	410	165	980	120	1130	56	M 48	450	475	SDGC 3084
	470	390	534	229	469	487	219	14	895	490	200	1110	225	1300	66	M 56	1100	1100	SDGC 3184
	508	420	575	243	496	511	231	16	1005	530	160	1270	240	1500	82	M 72x6	1300	1300	SDGC 3284
410	347	260	400	162	339	359	154	12	800	430	170	1000	130	1160	56	M 48	500	540	SDGC 3088
	484	390	544	229	474	489	219	14	945	500	150	1160	225	1370	74	M 64	1050	1050	SDGC 3188
	518	430	585	248	506	522	236	16	1045	550	165	1300	245	1530	82	M 72x6	1400	1400	SDGC 3288
430	369	280	424	174	359	377	164	14	835	450	180	1070	130	1250	66	M 56	650	680	SDGC 3092
	508	420	575	243	496	511	231	16	1005	530	160	1270	240	1500	82	M 72x6	1300	1300	SDGC 3192
	558	460	623	263	546	561	251	16	1095	580	175	1350	260	1580	82	M 72x6	1650	1650	SDGC 3292
450	379	290	434	179	369	387	169	14	855	460	185	1080	140	1260	66	M 56	700	730	SDGC 3096
	518	430	585	248	506	522	236	16	1045	550	165	1300	245	1530	82	M 72x6	1400	1400	SDGC 3196
	560	470	625	270	546	561	256	18	1130	600	180	1390	270	1620	82	M 72x6	1750	1800	SDGC 3296
470	384	290	444	179	374	389	169	14	865	460	190	1100	140	1280	66	M 56	720	750	SDGC 30/500
	558	460	623	263	546	561	251	16	1095	580	175	1350	260	1580	82	M 72x6	1650	1700	SDGC 31/500
	605	500	660	285	591	596	271	18	1190	640	190	1420	300	1680	82	M 72x6	2050	2100	SDGC 32/500
500	428	430	495	203	416	431	191	16	1045	550	165	1300	245	1530	82	M 72x6	1250	1300	SDGC 30/530
	560	470	625	270	546	561	256	18	1130	600	180	1390	270	1620	82	M 72x6	1800	1800	SDGC 31/530
530	438	460	503	203	426	441	191	16	1095	580	175	1350	260	1580	82	M 72x6	1450	1500	SDGC 30/560
	605	500	660	285	591	596	271	18	1190	640	190	1420	300	1680	82	M 72x6	2100	2150	SDGC 31/560

(1) The designation denotes a housing for cylindrical shafts. A housing for stepped cylindrical shaft is designated by suffix C, e.g. SDGC 2328 C

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



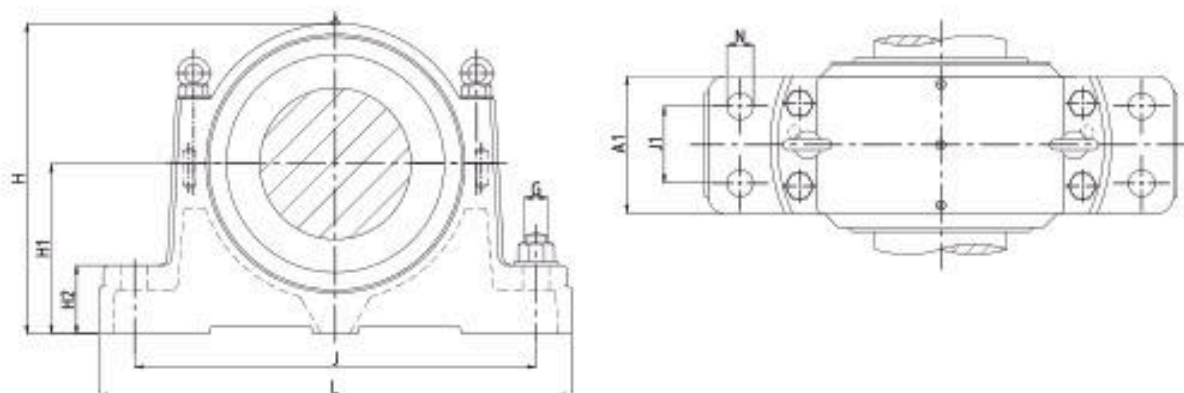
Shaft diameter da mm	appropriate Bearing	adapter sleeve	Shaft seating, abutment and fillet dimension						Bearing Dimension		Grease quantity initial fill kg
			db@ mm	dc (min)	ba	bb	bc	r	D	Ca	
400	23084 CAK/W33	OH 3084 H	422	440	283	55	133	6	620	150	6.2
	23184 CK/W33	OH 3184 H	422	440	417	82	188	6	700	224	17.5
	23284 CAK/W33	OH 3284 H	422	440	455	76	212	6	760	272	25
410	23088 CAK/W33	OH 3088 H	442	460	307	55	145	6	650	157	7.3
	23188 CAK/W33	OH 3188 H	442	460	418	82	189	6	720	226	19
	23288 CAK/W33	OH 3288 H	442	460	464	76	216	6	790	280	27.5
430	23092 CAK/W33	OH 3092 H	462	480	322	60	148	6	680	163	8.7
	23192 CAK/W33	OH 3192 H	462	480	444	86	201	6	760	240	21.5
	23292 CAK/W33	OH 3292 H	462	480	492	80	229	6	830	296	31.5
450	23096 CAK/W33	OH 3096 H	482	500	327	66	148	6	700	165	9.3
	23196 CAK/W33	OH 3196 H	482	500	453	87	205	6	790	248	24.5
	23296 CAK/W33	OH 3296 H	482	500	506	80	236	6	870	310	36.5
470	230/500 CAK/W33	OH 30/500 H	502	520	336	84	157	6	720	167	9.7
	231/500 CAK/W33	OH 31/500 H	502	520	481	92	218	6	830	264	27.5
	232/500 CAK/W33	OH 32/500 H	502	520	539	82	254	6	920	336	43
500	230/530 CAK/W33	OH 30/530 H	532	550	370	75	167	6	780	185	15.5
	231/530 CAK/W33	OH 31/530 H	532	550	492	94	222	6	870	272	32
530	230/560 CAK/W33	OH 30/560 H	562	580	382	75	179	10	820	195	15.5
	231/560 CAK/W33	OH 31/560 H	562	580	517	100	232	10	920	280	39

(1) The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)

For Bearings with Withdrawal Sleeves (Type-D)

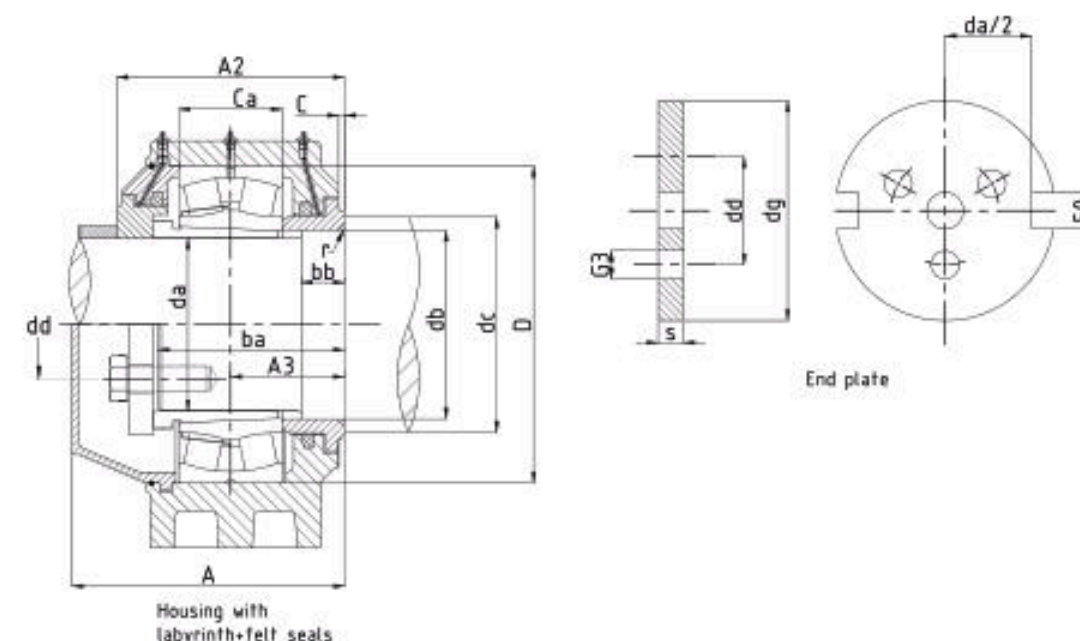


Shaft diameter	Housing Dimension													Masses (Approx)		Designation
	A	A1	A2	A3	C	H	H1	H2	J	J1	L	N	G	Housing type	A kg	
da mm	A mm	A1	A2	A3	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
135	260	165	220	110	6	385	210	85	500	90	590	35	30	95	100	SDGC 2328 D
145	282	180	234	117	6	410	225	90	510	100	600	35	30	115	120	SDGC 2330 D
150	297	195	250	125	6	440	240	95	580	105	690	42	36	145	150	SDGC 2332 D
160	234	140	194	97	6	387	210	85	490	70	580	28	24	74	80	SDGC 2234 D
	260	165	220	110	6	385	210	85	500	90	590	35	30	88	90	SDGC 3234 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	185	195	SDGC 2334 D
170	260	165	220	110	6	385	210	85	500	90	590	35	30	92	94	SDGC 3136 D
	260	165	220	110	6	385	210	85	500	90	590	35	30	93	95	SDGC 4136 D
	252	150	204	102	6	424	230	90	520	80	600	28	24	100	110	SDGC 2236 D
	282	180	234	117	6	410	225	90	510	100	600	35	30	115	115	SDGC 3236 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	170	180	SDGC 2336 D
180	282	180	234	117	6	410	225	90	510	100	600	35	30	115	115	SDGC 3138 D
	282	180	234	117	6	410	225	90	510	100	600	35	30	115	115	SDGC 4138 D
	252	150	204	102	6	424	230	90	520	80	600	28	24	88	100	SDGC 2238 D
	297	195	250	125	6	440	240	95	580	105	690	42	36	145	145	SDGC 3238 D
	346	225	292	146	8	515	280	115	655	130	770	42	36	230	240	SDGC 2338 D
190	234	140	194	97	6	387	210	85	490	70	580	28	24	72	75	SDGC 3040 D
	260	165	220	110	6	385	210	85	500	90	590	35	30	84	85	SDGC 4040 D
	297	195	250	125	6	440	240	95	580	105	690	42	36	145	145	SDGC 3140 D
	297	195	250	125	6	440	240	95	580	105	690	42	36	145	145	SDGC 4140 D
	270	160	220	110	8	445	240	95	560	80	670	35	30	110	125	SDGC 2240 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	185	190	SDGC 3240 D
	378	250	316	158	8	565	310	125	730	140	860	48	42	280	280	SDGC 2340 D
200	252	150	204	102	6	424	230	90	520	80	600	28	24	85	92	SDGC 3044 D
	297	195	250	125	6	440	240	95	580	105	690	42	36	140	140	SDGC 4044 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	175	180	SDGC 3144 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	175	180	SDGC 4144 D
	280	160	226	113	8	500	270	110	620	80	710	35	30	140	155	SDGC 2244 D
	346	225	292	146	8	515	280	115	655	130	770	42	36	225	230	SDGC 3244 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	325	330	SDGC 2344 D

SDG SERIES

Plummer Blocks (Bearing Housings)

For Bearings with Withdrawal Sleeves (Type-D)



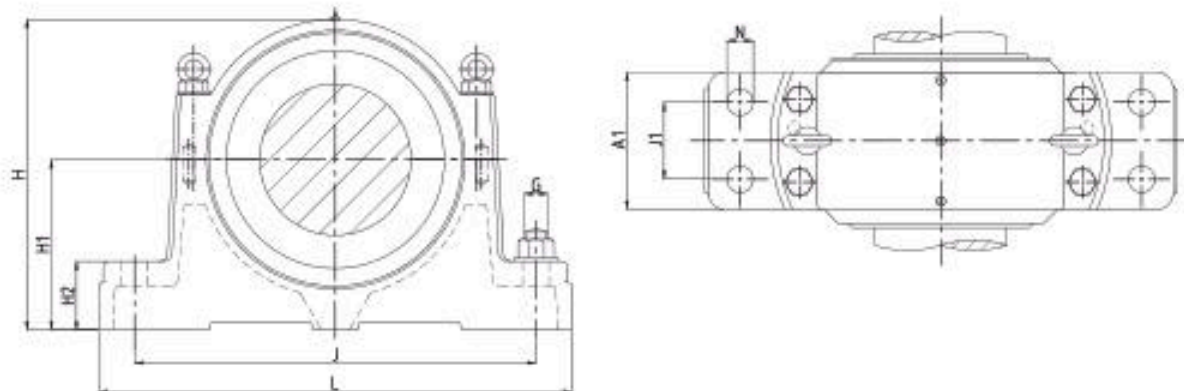
Shaft diameter	appropriate Bearing	Withdrawal sleeve	Shaft seating, abutment and fillet dimension							End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
			(#)db mm	dc (min)	dd	ba	bb	r	dg mm	G3	s	D		Ca		
135	22328 CCK/W33	AHX 2328	142	150	75	185	40	2.5	165	26	24	24 x 80	320	102	1.5	
145	22330 CCK/W33	AHX 2330	152	160	70	198	44	2.5	175	33	30	30 x 90	320	108	2	
150	22332 CCK/W33	AH 2332	162	175	75	210	48	4	190	33	30	30 x 90	340	114	2.4	
160	22234 CCK/W33	AH 3134	172	185	100	158	38	4	200	26	24	24 x 90	310	86	1.1	
	23234 CCK/W33	AH 3234	172	180	100	190	38	2.5	200	26	24	24 x 90	310	110	1.3	
	22334 CCK/W33	AH 2334	172	185	85	222	52	4	200	33	30	30 x 90	360	120	2.8	
170	23136 CCK/W33	AH 3136	182	190	110	180	44	2.5	210	26	24	24 x 90	300	96	1.1	
	24136 CCK30/W33	AH 24136	182	190	110	189	36	2.5	200	26	24	24 x 90	300	118	1.1	
	22236 CCK/W33	AH 2236	182	195	110	164	40	4	210	26	24	24 x 90	320	86	1.3	
	23236 CCK/W33	AH 3236	182	190	95	202	42	2.5	210	33	30	30 x 90	320	112	1.5	
	22336 CCK/W33	AH 2336	182	195	95	227	50	4	210	33	30	30 x 90	380	126	3.1	
180	23138 CCK/W33	AH 3138	192	200	105	191	46	2.5	220	33	30	30 x 100	320	104	1.4	
	24138 CCK30/W33	AH 24138	192	200	105	204	37	2.5	210	33	30	30 x 100	320	128	1.4	
	22238 CCK/W33	AH 2238	192	205	120	168	40	4	220	26	24	24 x 90	340	92	1.4	
	23238 CCK/W33	AH 3238	192	205	105	212	45	4	220	33	30	30 x 90	340	120	1.9	
	22338 CCK/W33	AH 2338	192	205	90	242	56	4	220	39	35	36 x 100	400	132	3.7	
190	23040 CCK/W33	AH 3040	202	215	130	159	40	4	225	26	24	24 x 90	310	82	0.8	
	24040 CCK30/W33	AH 24040	202	210	130	188	38	2.5	220	26	24	24 x 90	310	109	1.1	
	23140 CCK/W33	AH 3140	202	215	115	204	48	4	230	33	30	30 x 100	340	112	1.7	
	24140 CCK30/W33	AH 24140	202	215	115	218	39	4	220	33	30	30 x 100	340	140	1.9	
	22240 CCK/W33	AH 2240	202	215	115	179	42	4	230	33	30	30 x 100	360	98	1.6	
	23240 CCK/W33	AH 3240	202	215	115	226	50	4	230	33	30	30 x 100	360	128	2.2	
	22340 CCK/W33	AH 2340	202	215	100	260	62	4	230	39	35	36 x 100	420	138	4.5	
200	23044 CCK/W33	AQH 3044	222	235	140	168	40	4	250	26	24	24 x 90	340	90	1.1	
	24044 CCK30/W33	AQH 24044	222	235	125	210	46	4	245	33	30	30 x 100	340	118	1.6	
	23144 CCK/W33	AQH 3144	222	235	125	220	52	4	255	33	30	30 x 100	370	120	2.1	
	24144 CCK30/W33	AQH 24144	222	235	125	235	43	4	245	33	30	30 x 100	370	150	2.3	
	22244 CCK/W33	AQH 2244	222	235	125	190	42	4	255	33	30	30 x 100	400	108	2	
	23244 CCK/W33	AQH 2344	222	235	110	257	52	4	255	39	35	36 x 100	400	144	3.2	
	22344 CCK/W33	AQH 2344	222	235	110	270	62	4	255	39	35	36 x 100	460	145	4.9	

The Tolerance for db should be h6



SDG SERIES

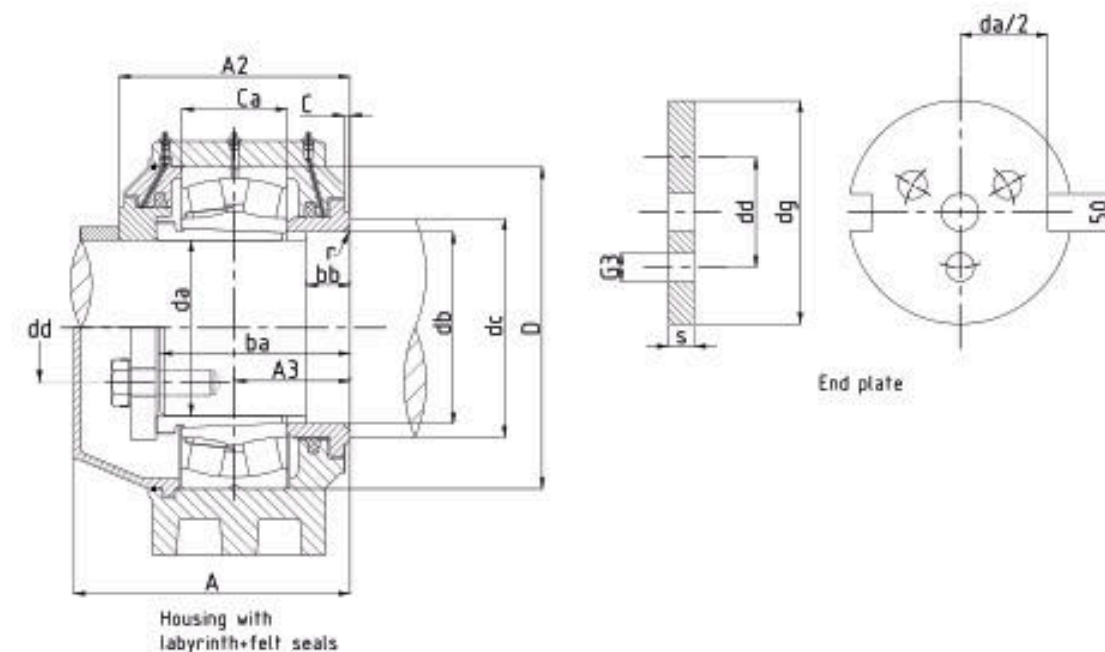
Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)



Shaft diameter da mm	Housing Dimension													Masses (Approx) Housing type		Designation
	A mm	A1	A2	A3	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
220	270	160	220	110	8	445	240	95	560	80	670	35	30	105	115	SDGC 3048 D
	320	210	270	135	8	475	260	105	610	120	720	42	36	180	180	SDGC 4048 D
	346	225	292	146	8	515	280	115	655	130	770	42	36	220	230	SDGC 3148 D
	346	225	292	146	8	515	280	115	655	130	770	42	36	235	240	SDGC 4148 D
	320	190	260	130	10	570	310	120	710	100	825	42	36	235	260	SDGC 2248 D
	378	250	316	158	8	565	310	125	730	140	860	48	42	305	310	SDGC 3248 D
	425	280	350	175	10	640	350	140	800	165	940	48	42	410	425	SDGC 2348 D
240	280	160	226	113	8	500	270	110	620	80	710	35	30	135	145	SDGC 3052 D
	346	225	292	146	8	515	280	115	655	130	770	42	36	220	220	SDGC 4052 D
	378	250	316	158	8	565	310	125	730	140	860	48	42	300	300	SDGC 3152 D
	378	250	316	158	8	565	310	125	730	140	860	48	42	310	310	SDGC 4152 D
	330	200	270	135	10	592	320	130	735	105	855	42	36	235	265	SDGC 2252 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	290	300	SDGC 3252 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	545	560	SDGC 2352 D
260	294	165	232	116	8.5	520	280	115	635	80	730	35	30	145	155	SDGC 3056 D
	378	250	316	158	8	565	310	125	730	140	860	48	42	320	320	SDGC 4056 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	315	315	SDGC 3156 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	325	325	SDGC 4156 D
	355	210	280	140	10	646	350	140	780	110	900	42	36	320	345	SDGC 2256 D
	425	280	350	175	10	640	350	140	800	165	940	48	42	405	415	SDGC 3256 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	670	690	SDGC 2356 D
280	320	190	260	130	10	570	310	120	710	100	825	42	36	205	220	SDGC 3060 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	310	310	SDGC 4060 D
	425	280	350	175	10	640	350	140	800	165	940	48	42	400	410	SDGC 3160 D
	425	280	350	175	10	640	350	140	800	165	940	48	42	420	430	SDGC 4160 D
	369	220	288	144	10.5	665	360	145	840	110	970	48	42	350	360	SDGC 2260 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	535	545	SDGC 3260 D
300	330	200	270	135	10	592	320	130	735	105	855	42	36	225	240	SDGC 3064 D
	380	250	320	160	10	585	320	130	750	145	880	48	42	280	280	SDGC 4064 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	535	540	SDGC 3164 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	555	560	SDGC 4164 D
	385	240	300	150	11	740	400	160	920	120	1060	56	48	490	500	SDGC 2264 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	660	670	SDGC 3264 D

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)

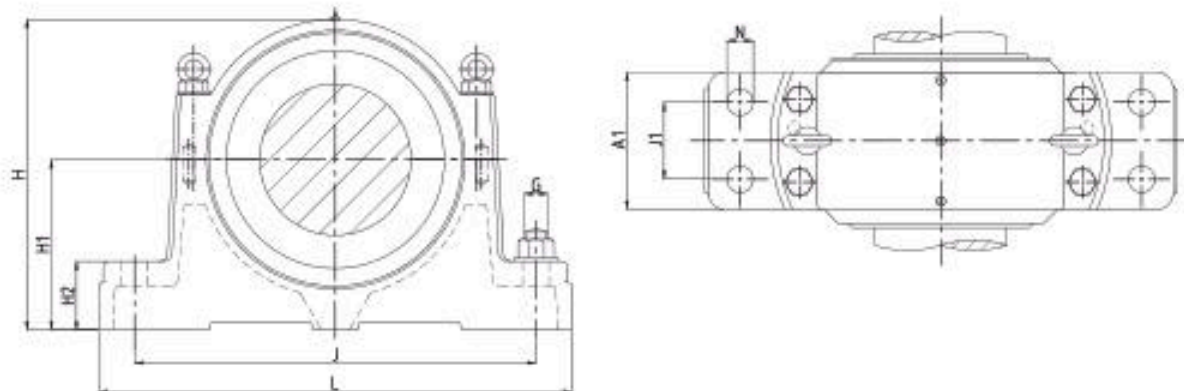


Shaft diameter da mm	appropriate Bearing	Withdrawal sleeve	Shaft seating, abutment and fillet dimension							End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
			(f)db	dc	dd	ba	bb	r		dg	G3	s		D	Ca	
220	23048 CCK/W33	AOH 3048	242	255	145	181	45	4		275	33	30	30 X 100	360	92	1.2
	24048 CCK30/W33	AOH 24048	242	255	145	220	54	4		265	33	30	30 X 100	360	118	1.7
	23148 CCK/W33	AOH 3148	242	255	130	237	58	4		275	39	35	30 X 110	400	128	2.8
	24148 CCK30/W33	AOH 24148	242	255	130	252	48	4		275	39	35	36 X 100	400	160	3
	22248 CCK/W33	AOH 2248	242	255	130	214	50	4		275	39	35	36 X 100	440	120	2.8
	23248 CCK/W33	AOH 2348	242	255	130	269	54	4		275	39	35	36 X 100	440	160	4
	22348 CCK/W33	AOH 2348	242	255	115	288	68	4		275	45	42	42 X 120	500	155	5.8
240	23052 CCK/W33	AOH 3052	262	275	165	190	45	4		295	33	30	30 X 100	400	104	1.6
	24052 CCK30/W33	AOH 24052	262	275	150	244	54	4		285	39	35	36 X 110	400	140	2.4
	23152 CCK/W33	AOH 3152	262	275	150	259	60	4		305	39	35	36 X 110	440	144	3.8
	24152 CCK30/W33	AOH 24152	262	275	150	276	47	4		295	39	35	36 X 110	440	180	4.2
	22252 CCK/W33	AOH 2252	262	275	150	225	50	4		305	39	35	36 X 110	480	130	3.2
	23252 CCK/W33	AOH 2352	262	275	150	280	52	4		305	39	35	36 X 110	480	174	5.1
	22352 CCK/W33	AOH 2352	262	275	135	310	72	4		305	45	42	42 X 110	540	165	7.5
260	23056 CCK/W33	AOH 3056	282	295	185	195	45	4		320	33	30	30 X 100	420	106	1.7
	24056 CCK30/W33	AOH 24056	282	295	170	257	62	4		310	39	35	36 X 110	420	140	2.8
	23156 CCK/W33	AOH 3156	282	295	170	264	60	4		330	39	35	36 X 110	460	146	3.9
	24156 CCK30/W33	AOH 24156	282	295	170	278	48	4		320	39	35	36 X 120	460	180	3.9
	22256 CCK/W33	AOH 2256	282	295	155	232	52	4		330	45	42	42 X 130	500	130	3.4
	23256 CCK/W33	AOH 2356	282	295	155	300	60	4		330	45	42	42 X 120	500	176	5.7
	22356 CCK/W33	AOH 2356	282	295	140	325	80	4		330	52	48	48 X 130	580	175	9.5
280	23060 CCK/W33	AOH 3060	302	315	190	218	50	4		340	39	35	36 X 110	460	118	2.7
	24060 CCK30/W33	AOH 24060	302	315	190	270	56	4		330	39	35	36 X 120	460	160	3.6
	23160 CCK/W33	AOH 3160	302	315	175	288	68	4		350	45	42	42 X 130	500	160	5.6
	24160 CCK30/W33	AOH 24160	302	315	175	305	54	4		340	45	42	42 X 130	500	200	5.8
	22260 CCK/W33	AOH 2260	302	315	175	245	52	4		350	45	42	42 X 130	540	140	4.3
	23260 CCK/W33	AOH 2360	302	315	175	318	64	4		350	45	42	42 X 120	540	192	7.8
300	23064 CCK/W33	AOH 3064	322	340	210	224	50	6		365	39	35	36 X 120	480	121	2.7
	24064 CCK30/W33	AOH 24064	322	335	210	270	56	4		350	39	35	36 X 120	480	160	4.1
	23164 CCK/W33	AOH 3164	322	340	195	306	68	6		370	45	42	42 X 130	540	176	7
	24164 CCK30/W33	AOH 24164	322	340	195	324	54	6		360	45	42	42 X 130	540	218	5.7
	22264 CCK/W33	AOH 2264	322	340	195	256	52	6		370	45	42	42 X 130	580	150	6.1
	23264 CCK/W33	AOH 2364	322	340	180	342	68	6		370	52	48	48 X 130	580	208	10

a The Tolerance for db should be h6

SDG SERIES

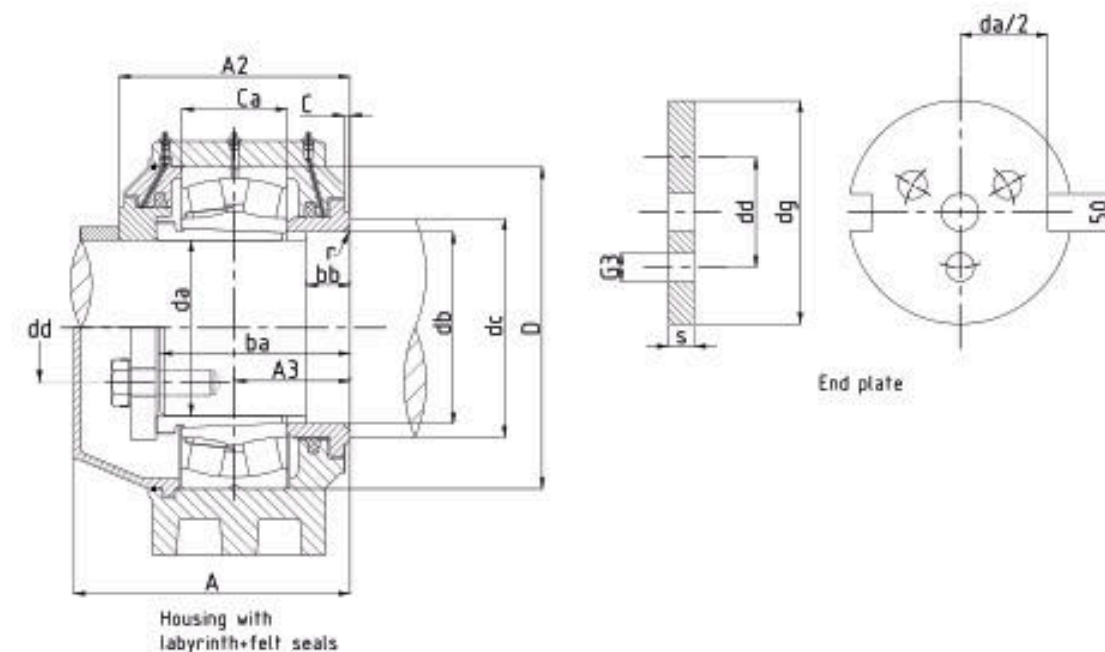
Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)



Shaft diameter da mm	Housing Dimension													Masses (Approx) Housing type		Designation Housing of Grey Cast Iron
	A	A1	A2	A3	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	
320	355	210	280	140	10	646	350	140	780	110	900	42	36	290	300	SDGC 3068 D
	425	280	350	175	10	640	350	140	800	165	940	48	42	365	365	SDGC 4068 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	650	665	SDGC 3168 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	670	665	SDGC 4168 D
	500	340	400	200	11	790	430	175	1010	195	1190	66	56	760	770	SDGC 3268 D
340	369	220	288	144	10.5	665	360	145	840	110	970	48	42	330	340	SDGC 3072 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	525	520	SDGC 4072 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	630	625	SDGC 3172 D
	485	340	400	200	11	790	430	175	1010	195	1190	66	56	765	760	SDGC 4172 D
	522	350	414	207	12	825	450	180	1040	200	1230	66	56	875	880	SDGC 3272 D
360	379	230	298	149	10.5	685	370	150	870	110	1000	48	42	350	360	SDGC 3076 D
	454	305	372	186	10	695	380	155	900	170	1060	56	48	485	475	SDGC 4076 D
	500	340	400	200	11	790	430	175	1010	195	1190	66	56	750	755	SDGC 3176 D
	500	340	400	200	11	790	430	175	1010	195	1190	66	56	730	725	SDGC 4176 D
	564	390	458	229	14	895	490	200	1110	225	1300	66	56	1150	1150	SDGC 3276 D
380	385	240	300	150	11	740	400	160	920	120	1060	56	48	450	460	SDGC 3080 D
	485	340	400	200	11	750	410	165	940	195	1110	56	48	650	635	SDGC 4080 D
	522	350	414	207	12	825	450	180	1040	200	1230	66	56	865	865	SDGC 3180 D
	522	350	414	207	12	825	450	180	1040	200	1230	66	56	885	880	SDGC 4180 D
	564	390	458	229	14	945	500	200	1160	225	1370	74	64	1060	1050	SDGC 3280 D
400	400	240	300	150	11	760	410	165	960	120	1130	56	48	465	475	SDGC 3084 D
	500	340	400	200	11	790	430	175	1010	195	1190	66	56	740	725	SDGC 4084 D
	564	390	458	229	14	895	490	200	1110	225	1300	66	56	1100	1100	SDGC 3184 D
	564	390	458	229	14	895	490	200	1110	225	1300	66	56	1100	1100	SDGC 4184 D
	593	420	486	243	16	1005	530	200	1270	240	1500	82	72x6	1300	1300	SDGC 3284 D
420	432	260	324	162	12	800	430	170	1000	130	1160	56	48	515	540	SDGC 3088 D
	522	350	414	207	12	885	450	180	1040	200	1230	66	56	855	835	SDGC 4088 D
	564	390	458	229	14	945	500	150	1160	225	1370	74	64	1050	1050	SDGC 3188 D
	564	390	458	229	14	945	500	150	1160	225	1370	74	64	1050	1050	SDGC 4188 D
	603	430	496	248	16	1045	550	165	1300	245	1530	82	72x6	1450	1400	SDGC 3288 D
440	454	280	348	174	14	835	450	180	1070	130	1250	66	56	670	680	SDGC 3092 D
	522	350	414	207	12	825	450	180	1040	200	1230	66	56	770	750	SDGC 4092 D
	593	420	486	243	16	1005	530	160	1270	240	1500	82	72x6	1300	1300	SDGC 3192 D
	593	420	486	243	16	1005	530	160	1270	240	1500	82	72x6	1305	1300	SDGC 4192 D
	638	460	526	263	16	1095	580	175	1350	260	1580	82	72x6	1700	1650	SDGC 3292 D

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)

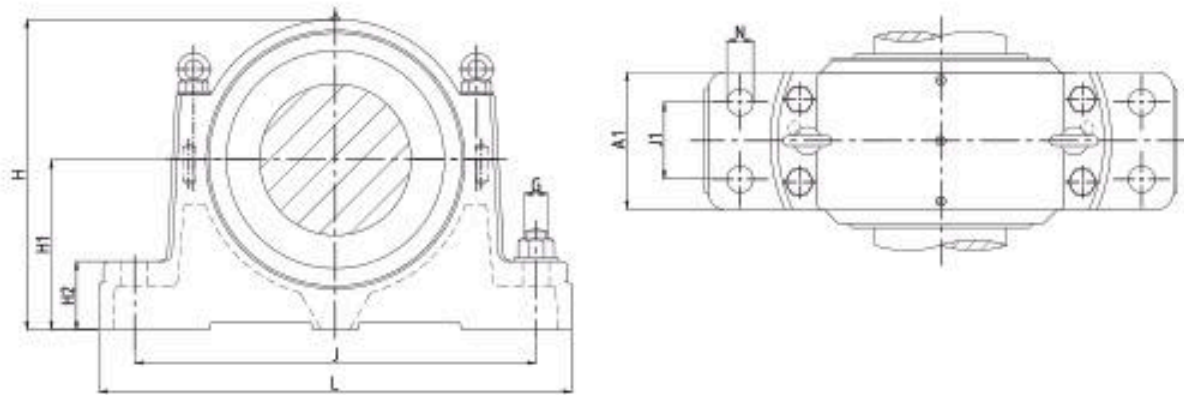


Shaft diameter da mm	appropriate Bearing	Withdrawal sleeve	Shaft seating, abutment and fillet dimension							End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
			(#)db	dc	dd	ba	bb	r		dg	G3	s		D	Ca	
320	23068 CCK/W33	A0H 3068	342	360	215	237	50	6		385	45	42	42 x 130	520	133	3
	24068 CCK30/W33	A0H 24068	342	355	215	298	60	4		380	45	42	42 x 130	520	180	4.9
	23168 CCK/W33	A0H 3168	342	360	200	330	74	6		390	52	48	48 x 140	580	190	9
	24168 ECAK30/W33	A0H 24168	342	360	200	354	57	6		380	52	48	48 x 140	580	243	7.2
	23268 CCK/W33	A0H 3268	342	360	200	352	62	6		390	52	48	48 x 140	620	224	11.5
340	23072 CCK/W33	A0H 3072	362	380	235	244	50	6		405	45	42	42 x 130	540	134	3.5
	24072 CCK30/W33	A0H 24072	362	380	235	308	68	6		400	45	42	42 x 140	540	180	5.8
	23172 CACK/W33	A0H 3172	362	380	220	333	74	6		420	52	48	48 x 140	600	192	9.4
	24172 ECCK30/W33	A0H 24172	362	380	220	354	54	6		400	52	48	48 x 150	600	243	7.9
	23272 CCK/W33	A0H 3272	362	380	220	365	64	6		420	52	48	48 x 140	650	232	12.7
360	23076 CCK/W33	A0H 3076	382	400	255	253	54	6		430	45	42	42 x 130	560	135	4
	24076 CCK30/W33	A0H 24076	382	400	255	310	68	6		420	45	42	42 x 140	560	180	6.2
	23176 CCK/W33	A0H 3176	382	400	240	336	74	6		440	52	48	48 x 140	620	194	10
	24176 ECAK30/W33	A0H 24176	382	400	240	356	54	6		420	52	48	48 x 150	620	243	8
	23276 CCK/W33	A0H 3276	382	400	220	394	76	6		440	62	55	56 x 150	680	240	15.5
380	23080 CCK/W33	A0H 3080	402	420	275	260	55	6		455	45	42	42 x 130	600	148	4.8
	24080 CCK30/W33	A0H 24080	402	420	260	334	70	6		445	52	48	48 x 150	600	200	7.3
	23180 CCK/W33	A0H 3180	402	420	260	348	75	6		465	52	48	48 x 140	650	200	10.5
	24180 ECAK30/W33	A0H 24180	402	420	260	366	58	6		445	52	48	48 x 150	650	250	9.2
	23280 CCK/W33	A0H 3280	402	420	240	404	76	6		465	62	55	56 x 150	720	256	17.5
400	23084 CCK/W33	A0H 3084	422	440	280	262	55	6		475	52	48	48 x 150	620	150	5.2
	24084 CCK30/W33	A0H 24084	422	440	280	337	70	6		465	52	48	48 x 150	620	200	7.4
	23184 CCK/W33	A0H 3184	422	440	260	384	82	6		485	62	55	56 x 160	700	224	14.5
	24184 ECAK30/W33	A0H 24184	422	440	260	406	62	6		465	62	55	56 x 170	700	280	11.5
	23284 CCK/W33	A0H 3284	422	440	260	430	76	6		485	62	55	56 x 150	760	272	21
420	23088 CCK/W33	A0H 3088	442	460	300	280	55	6		495	52	48	48 x 150	650	157	6
	24088 CCK30/W33	A0H 24088	442	460	300	350	70	6		485	52	48	48 x 150	650	212	7.6
	23188 CCK/W33	A0H 3188	442	460	280	388	82	6		505	62	55	56 x 160	720	226	16
	24188 ECAK30/W33	A0H 24188	442	460	280	406	62	6		485	62	55	56 x 170	720	280	12.5
	23288 CCK/W33	A0H 3288	442	460	260	440	76	6		505	70	64	64 x 170	790	280	23
440	23092 CCK/W33	A0H 3092	462	480	320	296	60	6		515	52	48	48 x 150	680	163	7
	24092 CCK30/W33	A0H 24092	462	480	320	355	70	6		505	52	48	48 x 150	680	218	8.5
	23192 CCK/W33	A0H 3192	462	480	300	410	86	6		535	62	55	56 x 160	760	240	18
	24192 ECAK30/W33	A0H 24192	462	480	300	432	67	6		505	62	55	56 x 170	760	300	15
	23292 CCK/W33	A0H 3292	462	480	280	465	80	6		535	70	64	64 x 170	830	296	27

The Tolerance for db should be h6

SDG SERIES

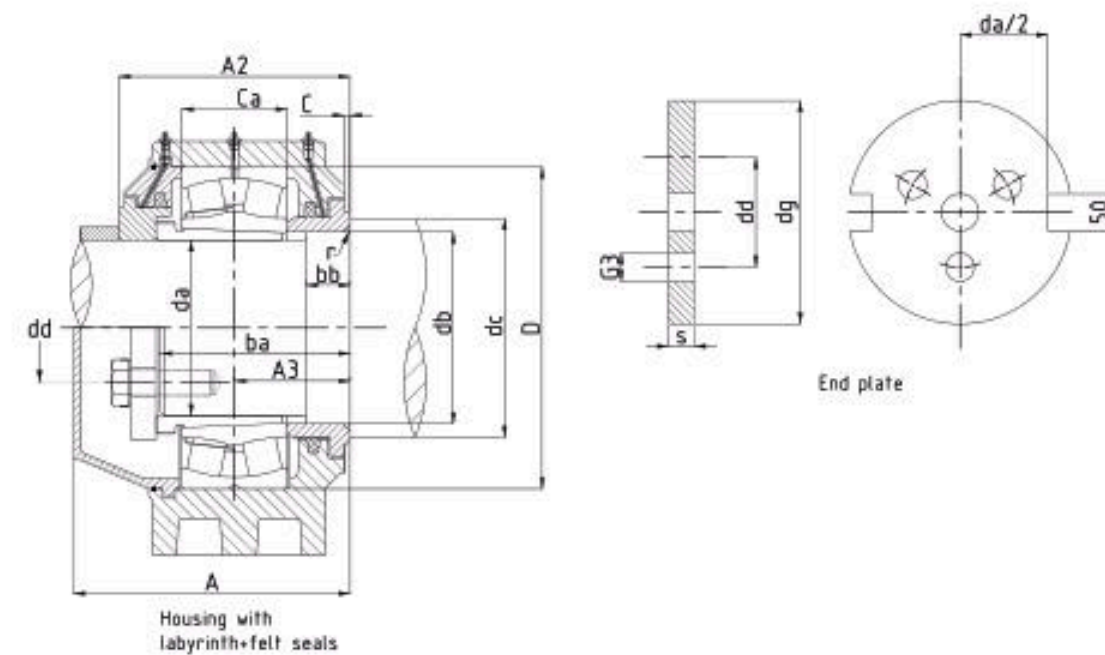
Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)



Shaft diameter da mm	Housing Dimension													Masses (Approx) Housing type		Designation Housing of Grey Cast Iron
	A	A1	A2	A3	C	H	H1	H2	J	J1	L	N	G	A	B	
460	464	290	358	179	14	855	460	185	1080	140	1260	66	56	720	730	SDGC 3096 D
	564	390	458	229	14	895	490	200	1110	225	1300	66	56	1100	1050	SDGC 4096 D
	603	430	496	248	16	1045	550	165	1300	245	1530	82	72x6	1450	1400	SDGC 3196 D
	603	430	496	248	16	1045	550	165	1300	245	1530	82	72x6	1400	1400	SDGC 4196 D
	660	470	540	270	18	1130	600	180	1390	270	1620	82	72x6	1800	1800	SDGC 3296 D
480	464	290	358	179	14	865	460	190	1100	140	1280	66	56	740	750	SDGC 30/500 D
	564	390	458	229	14	945	500	150	1160	225	1370	74	64	1000	985	SDGC 40/500 D
	638	460	526	263	16	1095	580	175	1350	260	1580	82	72x6	1700	1700	SDGC 31/500 D
	638	460	526	263	16	1095	580	175	1350	260	1580	82	72x6	1650	1650	SDGC 41/500 D
	705	500	570	285	18	1190	640	190	1420	300	1680	82	72x6	2100	2100	SDGC 32/500 D
500	513	430	406	203	16	1045	550	165	1300	245	1530	82	72x6	1300	1300	SDGC 30/530 D
	593	420	486	243	16	1005	530	160	1270	240	1500	82	72x6	1200	1150	SDGC 40/530 D
	660	470	540	270	18	1130	600	180	1390	270	1620	82	72x6	1850	1800	SDGC 31/530 D
	660	470	540	270	18	1130	600	180	1390	270	1620	82	72x6	1800	1750	SDGC 41/530 D
530	518	460	406	203	16	1095	580	175	1350	260	1580	82	72x6	1500	1500	SDGC 30/560 D
	638	460	526	263	16	1095	580	175	1350	260	1580	82	72x6	1550	1500	SDGC 40/560 D
	705	500	570	285	18	1190	640	190	1420	300	1680	82	72x6	2150	2150	SDGC 31/560 D
	705	500	570	285	18	1190	640	190	1420	300	1680	82	72x6	2100	2100	SDGC 41/560 D
560	660	470	540	270	18	1130	600	180	1390	270	1620	82	72x6	1700	1650	SDGC 40/600 D
600	705	500	570	285	18	1190	640	190	1420	300	1680	82	72x6	2000	1950	SDGC 40/630 D

SDG SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Withdrawal Sleeves (Type-D)



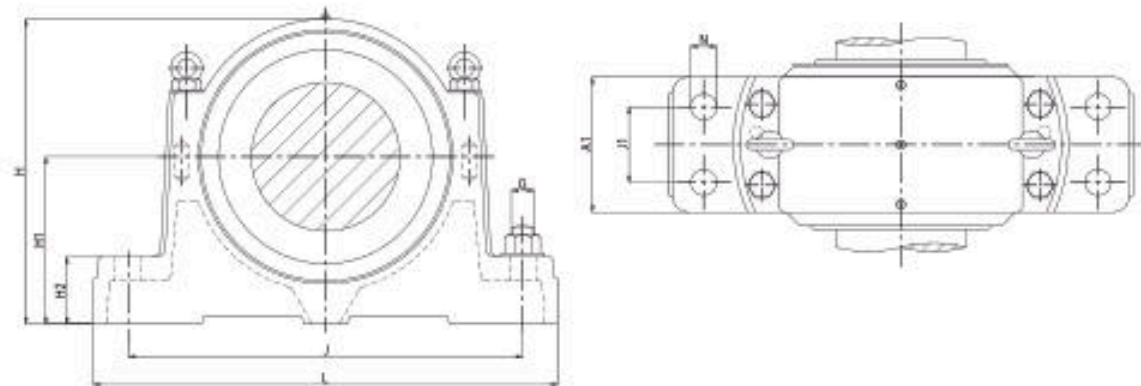
Shaft diameter da mm	appropriate Bearing	Withdrawal sleeve	Shaft seating, abutment and fillet dimension						End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
			(#)db	dc	dd	ba	bb	r	dg	G3	s		D	Ca	
460	23096 CAK/W33	A0HX 3096	482	500	320	304	66	6	545	62	55	3-56 x160	700	165	7.4
	24096 CAK30/W33	A0H 24096	482	500	320	377	84	6	525	62	55	3-56 x170	700	218	9.5
	23196 CAK/W33	A0H 3196	482	500	300	422	87	6	555	70	64	3-64 x170	790	248	20
	24196 ECAK30/W33	A0H 24196	482	500	300	441	66	6	525	70	64	3-64 x190	790	308	16.5
	23296 CAK/W33	A0HX 3296	482	500	280	482	80	6	555	78	72	4-72x6x180	870	310	31
480	230/500 CAK/W33	A0HX 30/500	502	520	340	308	64	6	570	62	55	3-56x160	720	167	8
	240/500 CAK30/W33	A0H 240/500	502	520	340	380	84	6	560	62	55	3-56x170	720	218	10
	231/500 CAK/W33	A0H 31/500	502	520	320	446	92	6	580	70	64	3-64x170	830	264	22
	241/500 ECAK30/W33	A0H 241/500	502	520	320	468	71	6	560	70	64	3-64x190	830	325	19
	232/500 CAK/W33	A0HX 32/500	502	520	300	512	82	6	580	78	72	4-72x6x180	920	336	37
500	230/530 CAK/W33	A0H 30/530	532	550	340	342	75	6	590	70	64	3-64x180	780	185	11
	240/530 CAK30/W33	A0H 240/530	532	550	360	410	84	6	580	62	55	3-56x170	780	250	14
	231/530 CAK/W33	A0H 31/530	532	550	320	460	94	6	590	78	72	4-72x6x190	870	272	26.1
	241/530 ECAK30/W33	A0H 241/530	532	550	320	480	73	6	580	78	72	4-72x6x200	870	335	22
530	230/560 CAK/W33	A0H 30/560	562	590	370	344	75	10	630	70	64	3-64x180	820	195	12
	240/560 CAK30/W33	A0H 240/560	562	580	370	436	94	6	610	70	64	3-64x190	820	258	16
	231/560 CAK/W33	A0H 31/560	562	590	350	482	100	10	630	78	72	4-72x6x190	920	280	32
	241/560 ECAK30/W33	A0H 241/560	562	590	350	507	75	10	610	78	72	4-72x6x200	920	355	26
560	240/600 CAK30/W33	A0H 240/600	602	620	380	452	94	6	660	78	72	4-72x6x210	870	272	18
600	240/630 CAK30/W33	A0H 240/630	632	660	420	476	98	10	680	78	72	4-72x6x210	920	290	23

a The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



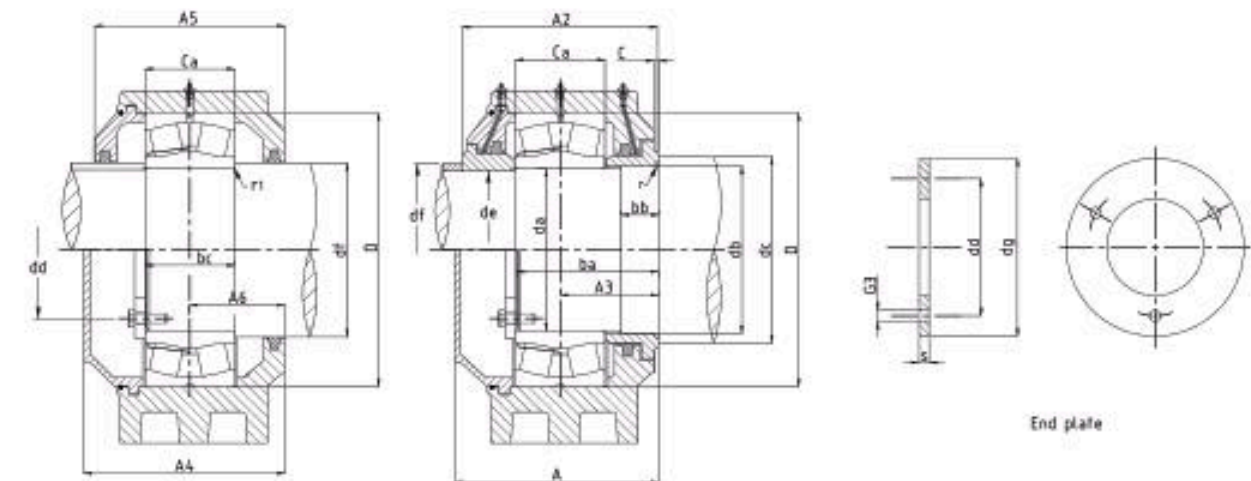
Shaft diameter da mm	Housing Dimension (in mm)																Masses (Approx) Housing type		Designation(†)
	A	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	
140	222	165	220	110	219	214	107	6	385	210	85	500	90	590	35	30	92	100	SDGC 2328 G
150	237	180	234	117	234	228	114	6	410	225	90	510	100	600	35	30	110	120	SDGC 2330 G
160	253	195	250	125	250	244	122	6	440	240	95	580	105	690	42	36	140	150	SDGC 2332 G
170	197	140	194	97	194	188	94	6	387	210	85	490	70	580	28	24	72	80	SDGC 2234 G
	222	165	220	110	219	214	107	6	385	210	85	500	90	590	35	30	85	90	SDGC 3234 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	180	195	SDGC 2334 G
180	222	165	220	110	219	214	107	6	385	210	85	500	90	590	35	30	90	94	SDGC 3136 G
	222	165	220	110	219	214	107	6	385	210	85	500	90	590	35	30	90	95	SDGC 4136 G
	207	150	204	102	204	198	99	6	424	230	90	520	80	600	28	24	98	110	SDGC 2236 G
	237	180	234	117	234	228	114	6	410	225	90	510	100	600	35	30	110	115	SDGC 3236 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	165	180	SDGC 2336 G
190	237	180	234	117	234	228	114	6	410	225	90	510	100	600	35	30	110	115	SDGC 3138 G
	237	180	234	117	234	228	114	6	410	225	90	510	100	600	35	30	110	115	SDGC 4138 G
	207	150	204	102	204	198	99	6	424	230	90	520	80	600	28	24	86	100	SDGC 2238 G
	253	195	250	125	250	244	122	6	440	240	95	580	105	690	42	36	140	145	SDGC 3238 G
	298	225	292	146	293	282	141	8	515	280	115	655	130	770	42	36	225	240	SDGC 2338 G
200	197	140	194	97	194	188	94	6	387	210	85	490	70	580	28	24	70	75	SDGC 3040 G
	222	165	220	110	219	214	107	6	385	210	85	500	90	590	35	30	82	85	SDGC 4040 G
	253	195	250	125	250	244	122	6	440	240	95	580	105	690	42	36	140	145	SDGC 3140 G
	253	195	250	125	250	244	122	6	440	240	95	580	105	690	42	36	140	145	SDGC 4140 G
	220	160	220	110	215	210	105	8	445	240	95	560	80	670	35	30	110	125	SDGC 2240 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	180	190	SDGC 3240 G
	328	250	316	158	323	306	153	8	565	310	125	730	140	860	48	42	270	280	SDGC 2340 G
220	207	150	204	102	204	198	99	6	424	230	90	520	82	600	28	24	82	92	SDGC 3044 G
	253	195	250	125	250	244	122	6	440	240	95	580	105	690	42	36	135	140	SDGC 4044 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	170	180	SDGC 3144 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	170	180	SDGC 4144 G
	233	160	228	113	228	216	108	8	500	270	110	620	82	710	35	30	135	155	SDGC 2244 G
	298	225	292	146	293	282	141	8	515	280	115	655	130	770	42	36	220	230	SDGC 3244 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	315	330	SDGC 2344 G

†The designation denotes a housing for labyrinth seals. A housing with felt seal is designated by suffix H, e.g. SDGC 2328 H

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



Housing with felt seals

Housing with labyrinth-felt seals

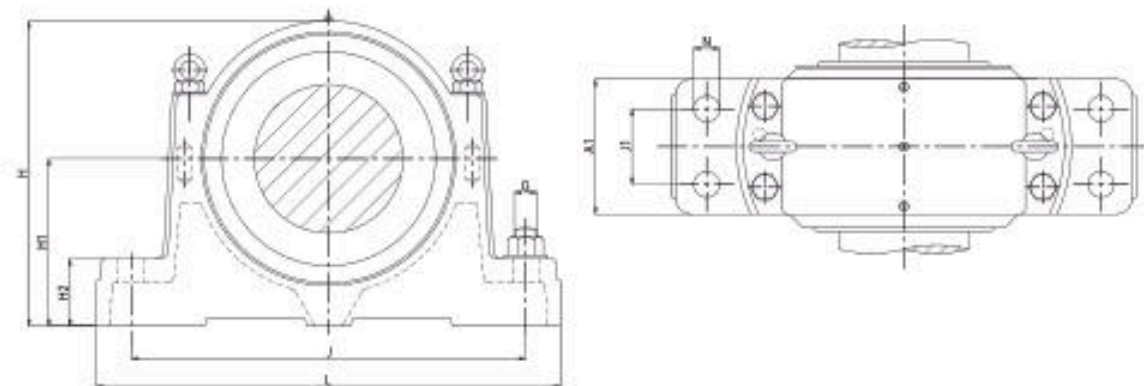
Shaft diameter da mm	appropriate Bearing	Shaft seating, abutment and fillet dimension										End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
		db #	dc	dd	de	df	ba	bb	bc	r	r1	dg	G3	s		D	Ca	
140	22328 CC/W33	142	150	110	138	155	159	40	100	2.5	3	160	14	12	12 x 35	300	102	1.50
150	22330 CC/W33	152	160	120	148	165	169	44	106	2.5	3	170	14	12	12 x 35	320	108	2.00
160	22332 CC/W33	162	175	130	158	175	180	48	112	4	3	180	14	12	12 x 35	340	114	2.40
170	22234 CC/W33	172	185	130	168	190	138	38	84	4	3	190	18	16	16 x 45	310	86	1.10
	22334 CC/W33	172	180	140	168	190	163	38	108	2.5	3	190	14	12	12 x 35	310	110	1.30
	22334 CC/W33	172	185	130	168	190	193	52	118	4	3	190	18	16	16 x 45	360	120	2.80
180	23136 CC/W33	182	190	150	178	195	156	44	94	2.5	2.5	195	14	12	12 x 35	300	96	1.10
	24136 CC/W33	182	190	150	178	195	165	36	116	2.5	2	195	14	12	12 x 35	300	118	1.10
	22236 CC/W33	182	195	140	178	200	143	40	84	4	3	200	18	16	16 x 45	320	86	1.30
	23236 CC/W33	182	190	150	178	200	171	42	110	2.5	3	200	14	12	12 x 35	320	112	1.50
	22336 CC/W33	182	195	140	178	200	196	50	124	4	3	200	18	16	16 x 45	380	126	3.10
190	23138 CC/W33	192	200	160	188	205	167	46	102	2.5	2.5	210	14	12	12 x 35	320	104	1.40
	24138 CC/W33	192	200	160	188	205	178	37	126	2.5	2.5	210	14	12	12 x 35	320	128	1.40
	22238 CC/W33	192	205	150	188	210	146	40	90	4	3	210	18	16	16 x 45	340	92	1.40
	23238 CC/W33	192	205	160	188	210	183	45	118	4	3	210	14	12	12 x 35	340	120	1.90
	22338 CC/W33	192	205	150	188	210	209	56	129	4	4	210	18	16	16 x 45	400	132	3.70
200	23040 CC/W33	202	215	160	198	215	135	40	80	4	2	215	18	16	16 x 45	310	82	0.80
	24040 CC/W33	202	215	170	198	215	162	38	107	4	2	215	14	12	12 x 35	310	109	1.10
	23140 CC/W33	202	215	170	198	215	179	48	110	4	2.5	220	14	12	12 x 35	340	112	1.70
	24140 CC/W33	202	215	170	198	215	192	39	138	4	2.5	220	14	12	12 x 35	340	140	1.90
	22240 CC/W33	202	215	150	198	220	157	42	96	4	3	220	22	20	20 x 55	360	98	1.60
	23240 CC/W33	202	215	160	198	220	197	50	126	4	3	220	18	16	16 x 45	360	128	2.20
	22340 CC/W33	202	215	160	198	220	224	62	135	4	4	220	18	16	16 x 45	420	138	4.50
220	23044 CC/W33	222	235	180	218	235	145	40	88	4	2.5	240	18	16	16 x 45	340	90	1.10
	24044 CC/W33	222	235	190	218	235	182	46	116	4	2.5	240	14	12	12 x 35	340	118	1.60
	23144 CC/W33	222	235	180	218	240	193	52	118	4	3	245	18	16	16 x 45	370	120	2.10
	24144 CC/W33	222	235	180	218	240	207	43	148	4	3	245	18	16	16 x 45	370	150	2.10
	22244 CC/W33	222	235	170	218	240	165	42	106	4	3	240	22	20	20 x 55	400	108	2.00
	23244 CC/W33	222	235	180	218	240	216	52	142	4	3	240	18	16	16 x 45	400	144	3.20
	22344 CC/W33	222	235	180	218	240	229	62	142	4	4	245	18	16	16 x 45	460	145	4.90

† The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



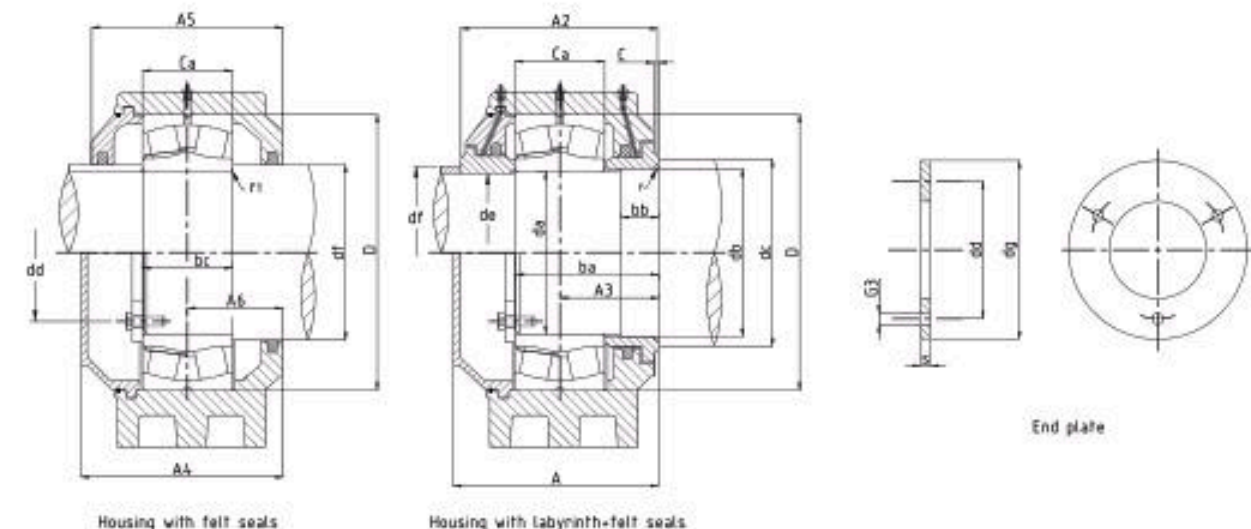
Shaft diameter da mm	Housing Dimension (in mm)																Masses (Approx) Housing type		Designation(†)
	A mm	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
240	197	140	194	97	194	188	94	6	387	210	85	490	70	580	28	24	60	65	SDGC 3948 G
	220	160	220	110	215	210	105	8	445	240	95	580	80	670	35	30	100	115	SDGC 3048 G
	270	210	270	135	265	260	130	8	475	260	105	610	120	720	42	36	175	180	SDGC 4048 G
	298	225	292	146	293	282	141	8	515	280	115	655	130	770	42	36	215	230	SDGC 3148 G
	298	225	292	146	293	282	141	8	515	280	115	655	130	770	42	36	230	240	SDGC 4148 G
	270	190	260	130	263	246	123	10	570	310	120	710	100	825	42	36	230	260	SDGC 2248 G
	328	250	316	158	323	306	153	8	565	310	125	730	140	860	48	42	295	310	SDGC 3248 G
	360	280	350	175	353	336	168	10	640	350	140	800	165	940	48	42	400	425	SDGC 2348 G
260	220	160	220	110	215	210	105	8	445	240	95	580	80	670	35	30	100	110	SDGC 3952 G
	233	160	226	113	228	216	108	8	500	270	110	620	80	710	35	30	130	145	SDGC 3052 G
	298	225	292	146	293	282	141	8	515	280	115	655	130	770	42	36	215	220	SDGC 4052 G
	328	250	316	158	323	306	153	8	565	310	125	730	140	860	48	42	290	300	SDGC 3152 G
	328	250	316	158	323	306	153	8	565	310	125	730	140	860	48	42	300	310	SDGC 4152 G
	280	200	270	135	273	256	128	10	592	320	130	735	105	855	42	36	230	265	SDGC 2252 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	280	300	SDGC 3252 G
	384	305	372	186	377	358	170	10	695	380	155	900	170	1060	56	48	530	560	SDGC 2352 G
280	220	160	220	110	215	210	105	8	445	240	95	580	80	670	35	30	85	95	SDGC 3956 G
	244	165	232	116	239	222	111	8.5	520	280	115	635	80	730	35	30	140	155	SDGC 3056 G
	328	250	316	158	323	306	153	8	565	310	125	730	140	860	48	42	310	320	SDGC 4056 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	305	315	SDGC 3156 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	315	325	SDGC 4156 G
	290	210	280	140	283	266	133	10	646	350	140	780	110	900	42	36	310	345	SDGC 2256 G
	360	280	350	175	353	336	168	10	640	350	140	800	165	940	48	42	395	415	SDGC 3256 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	650	690	SDGC 2356 G
300	244	165	232	116	239	222	111	8.5	520	280	115	635	80	730	35	30	135	145	SDGC 3960 G
	270	190	260	130	263	246	123	10	570	310	120	710	100	825	42	36	200	220	SDGC 3060 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	300	310	SDGC 4060 G
	360	280	350	175	353	336	168	10	640	350	140	800	165	940	48	42	390	410	SDGC 3160 G
	360	280	350	175	353	336	168	10	640	350	140	800	165	940	48	42	410	430	SDGC 4160 G
	299	220	288	144	292	274	137	10.5	665	360	145	840	110	970	48	42	340	360	SDGC 2260 G
	384	305	372	186	377	358	179	10	695	380	155	900	170	1060	56	48	520	545	SDGC 3260 G

†The designation denotes a housing for labyrinth seals. A housing with felt seal is designated by suffix H, e.g. SDGC 2328 H

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



Housing with felt seals

Housing with labyrinth-felt seals

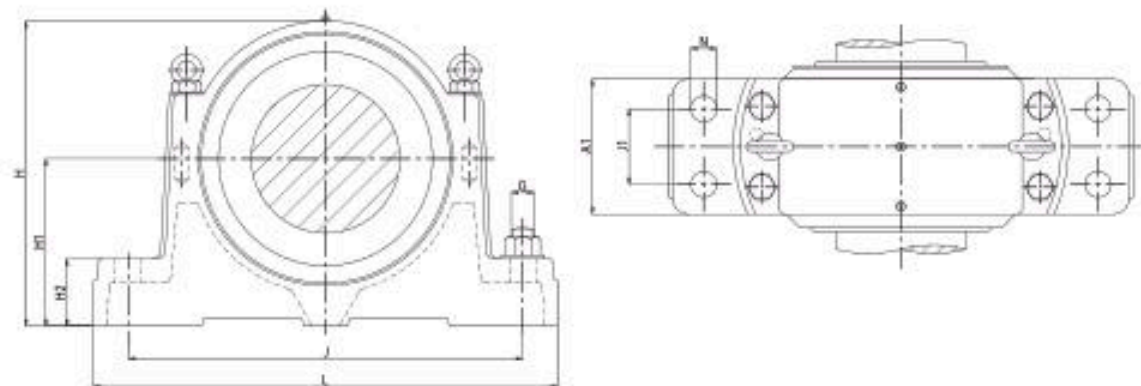
End plate

Shaft diameter	appropriate Bearing	Shaft seating, abutment and fillet dimension											End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
		db # mm	dc (min)	dd	de	df	ba	bb	bc	r	r1	dg	G3	s	D		Ca		
240	23948 CC/W33	242	255	200	238	255	125	45	58	4	2	255	18	16	16 X 45	320	60	0.70	
	23048 CC/W33	242	255	190	238	255	152	45	90	4	2.5	260	22	20	20 X 55	360	92	1.20	
	24048 CC/W33	242	255	200	238	255	192	54	116	4	2.5	255	18	16	16 X 45	360	118	1.70	
	23148 CC/W33	242	255	200	238	260	208	58	126	4	3	265	18	16	16 X 45	400	128	2.80	
	24148 CC/W33	242	255	200	238	260	224	46	158	4	3	265	18	16	16 X 45	400	160	3.00	
	22248 CC/W33	242	255	190	238	260	188	50	118	4	3	260	22	20	20 X 55	440	120	2.80	
	23248 CC/W33	242	255	200	238	260	236	54	158	4	3	260	18	16	16 X 45	440	160	4.00	
	22348 CC/W33	242	255	190	238	260	249	68	152	4	4	265	22	20	20 X 55	500	155	5.80	
260	23952 CAC/W33	262	275	210	258	280	145	50	73	4	2	275	22	20	20 X 55	360	75	1.00	
	23052 CC/W33	262	275	210	258	280	162	45	102	4	3	285	22	20	20 X 55	400	104	1.60	
	24052 CC/W33	262	275	220	258	280	214	54	138	4	3	285	18	16	16 X 45	400	140	2.40	
	23152 CC/W33	262	275	220	258	280	228	60	142	4	3	285	18	16	16 X 45	440	144	3.80	
	24152 CC/W33	262	275	220	258	280	245	47	178	4	3	285	18	16	16 X 45	440	180	4.20	
	22252 CAC/W33	262	275	210	258	290	197	50	127	4	4	285	22	20	20 X 55	480	130	3.20	
	23252 CAC/W33	262	275	210	258	290	244	52	170	4	4	285	22	20	20 X 55	480	174	5.10	
	22352 CC/W33	262	275	210	258	290	264	72	161	4	5	290	22	20	20 X 55	540	165	7.50	
280	23956 CC/W33	282	295	230	278	300	145	50	73	4	2	295	22	20	20 X 55	380	75	1.00	
	23056 CC/W33	282	295	230	278	300	167	45	104	4	3	305	22	20	20 X 55	420	106	1.70	
	24056 CC/W33	282	295	240	278	300	226	62	138	4	3	305	18	16	16 X 45	420	140	2.80	
	23156 CC/W33	282	295	240	278	310	230	60	143	4	4	305	18	16	16 X 45	460	146	3.90	
	24156 CC/W33	282	295	240	278	310	247	48	177	4	4	305	18	16	16 X 45	460	180	3.90	
	22256 CAC/W33	282	295	220	278	310	202	52	127	4	4	305	26	24	24 X 65	500	130	3.40	
	23256 CAC/W33	282	295	230	278	310	260	60	173	4	4	305	22	20	20 X 55	500	176	5.70	
	22356 CC/W33	282	295	220	278	310	283	80	171	4	5	310	26	24	24 X 65	580	175	9.50	
300	23960 CC/W33	302	315	250	298	320	158	50	88	4	2.5	320	22	20	20 X 55	420	90	1.20	
	23060 CC/W33	302	315	250	298	320	187	50	116	4	3	325	22	20	20 X 55	460	118	2.70	
	24060 CC/W33	302	315	260	298	320	238	56	158	4	3	325	18	16	16 X 45	460	160	3.60	
	23160 CC/W33	302	315	250	298	330	252	68	157	4	4	325	22	20	20 X 55	500	160	5.60	
	24160 CC/W33	302	315	250	298	330	272	54	197	4	4	325	22	20	20 X 55	500	200	5.80	
	22260 CAC/W33	302	315	240	298	330	211	52	137	4	4	325	26	24	24 x 65	540	140	4.30	
	23260 CAC/W33	302	315	250	298	330	279	64	189	4	4	325	22	20	20 X 55	540	192	7.80	

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



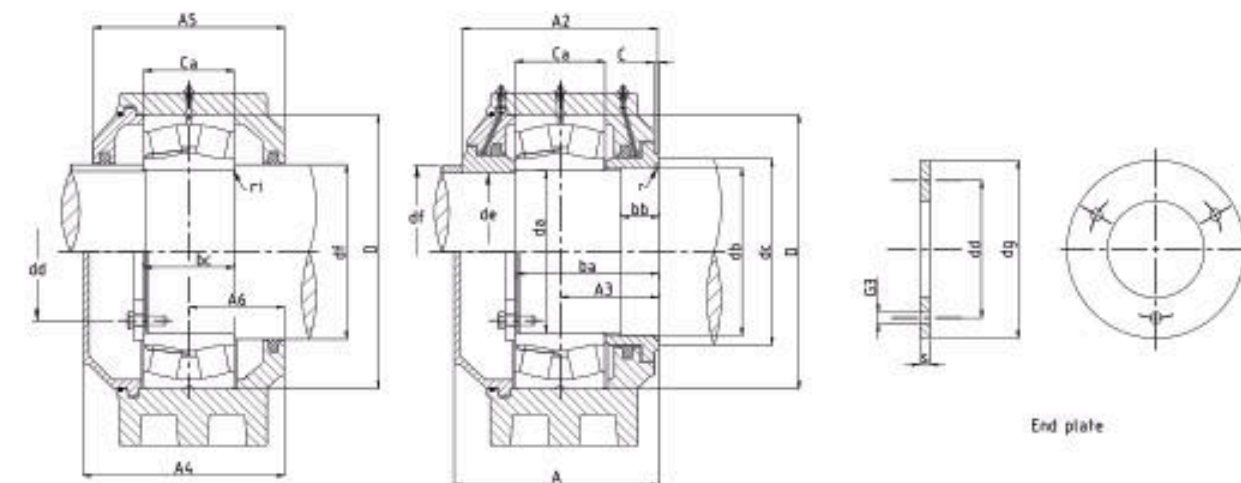
Shaft diameter da mm	Housing Dimension (in mm)																Masses (Approx) Housing type		Designation(†)
	A	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	
320	244	165	232	116	239	222	111	8.5	520	280	115	635	80	730	35	30	115	125	SDGC 3964 G
	280	200	270	135	273	256	128	10	592	320	130	735	105	855	42	36	220	240	SDGC 3064 G
	330	250	320	160	323	306	153	10	585	320	130	750	145	880	48	42	270	280	SDGC 4064 G
	384	305	372	186	377	358	179	10	695	380	155	900	170	1060	56	48	520	540	SDGC 3164 G
	384	305	372	186	377	358	179	10	695	380	155	900	170	1060	56	48	540	560	SDGC 4164 G
	320	240	300	150	312	284	142	11	740	400	160	920	120	1060	56	48	475	500	SDGC 2264 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	640	670	SDGC 3264 G
340	270	190	260	130	263	246	123	10	570	310	120	710	100	825	42	36	195	210	SDGC 3968 G
	290	210	280	140	283	266	133	10	646	350	140	780	110	900	42	36	280	300	SDGC 3068 G
	360	280	350	175	353	336	168	10	640	350	140	800	165	940	48	42	350	365	SDGC 4068 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	630	665	SDGC 3168 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	650	685	SDGC 4168 G
	425	340	400	200	418	386	193	11	790	430	175	1010	195	1190	66	56	740	770	SDGC 3248 G
360	280	200	270	135	273	256	128	10	592	320	130	735	105	855	42	36	205	220	SDGC 3972 G
	299	220	288	144	292	274	137	10.5	665	360	145	840	110	970	48	42	320	340	SDGC 3072 G
	384	305	372	186	377	358	179	10	695	380	155	900	170	1060	56	48	500	520	SDGC 4072 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	610	625	SDGC 3172 G
	420	340	400	200	413	386	193	11	790	430	175	1010	195	1190	66	56	745	760	SDGC 4172 G
	437	350	414	207	429	398	199	12	825	450	180	1040	200	1230	66	56	850	880	SDGC 3272 G
380	290	210	280	140	283	266	133	10	646	350	140	780	110	900	42	36	260	275	SDGC 3976 G
	309	230	298	149	302	284	142	10.5	685	370	150	870	110	1000	48	42	340	360	SDGC 3076 G
	384	305	372	186	377	358	179	10	695	380	155	900	170	1060	56	48	460	475	SDGC 4076 G
	425	340	400	200	418	386	193	11	790	430	175	1010	195	1190	66	56	730	755	SDGC 3176 G
	425	340	400	200	418	386	193	11	790	430	175	1010	195	1190	66	56	710	725	SDGC 4176 G
	479	390	458	229	469	438	219	14	895	490	200	1110	225	1300	66	56	1100	1150	SDGC 3276 G
400	299	220	288	144	292	274	137	10.5	665	360	145	840	110	970	48	42	305	320	SDGC 3980 G
	320	240	300	150	312	284	142	11	740	400	160	920	120	1060	56	48	435	460	SDGC 3080 G
	420	340	400	200	412	384	192	11	750	410	165	940	195	1110	56	48	620	635	SDGC 4080 G
	437	350	414	207	429	398	199	12	825	450	180	1040	200	1230	66	56	840	865	SDGC 3180 G
	437	350	414	207	429	398	199	12	825	450	180	1040	200	1230	66	56	860	880	SDGC 4180 G
	484	390	458	229	474	438	219	14	945	500	150	1160	225	1370	74	64	1050	1050	SDGC 3280 G

†The designation denotes a housing for labyrinth seals. A housing with felt seal is designated by suffix H, e.g. SDGC 2328 H

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



Housing with felt seals

Housing with labyrinth-felt seals

End plate

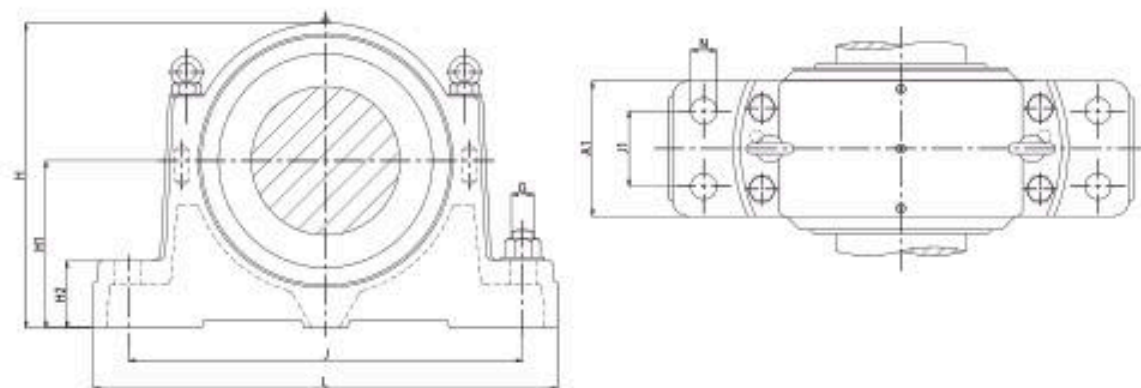
Shaft diameter	appropriate Bearing	Shaft seating, abutment and fillet dimension											End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
		db # mm	dc (min)	dd	de	df	ba	bb	bc	r	r1	dg	G3	s	D		Ca		
320	23964 CAC/W33	322	335	270	318	340	158	50	88	4	2.5	340	22	20	20 X 55	440	90	1.40	
	23064 CC/W33	322	340	270	318	340	192	50	119	6	3	345	22	20	20 X 55	480	121	2.70	
	24064 CC/W33	322	335	280	318	340	238	56	158	4	3	345	18	16	16 X 45	480	160	4.10	
	23164 CC/W33	322	340	270	318	350	271	68	173	6	4	345	22	20	20 X 55	540	176	7.00	
	24164 CC/W33	322	340	270	318	350	292	54	215	6	4	350	22	20	20 X 55	540	218	5.70	
	22264 CAC/W33	322	340	260	318	350	222	52	147	6	4	345	26	24	24 X 65	580	150	6.10	
	23264 CAC/W33	322	340	260	318	350	300	68	205	6	4	345	26	24	24 X 65	580	208	10.00	
340	23968 CC/W33	342	355	290	338	370	172	62	88	4	2.5	360	22	20	20 X 55	460	90	1.50	
	23068 CC/W33	342	360	280	338	370	204	50	130	6	4	370	26	24	24 X 65	520	133	3.00	
	24068 CC/W33	342	355	290	338	370	262	60	177	4	4	370	22	20	20 X 55	520	180	4.90	
	23168 CC/W33	342	360	280	338	370	292	74	187	6	4	370	26	24	24 X 65	580	190	9.00	
	24168 ECAC/W33	342	360	280	338	370	318	57	240	6	4	370	26	24	24 X 65	580	243	7.20	
	23268 CA/W33	342	360	280	338	370	308	62	220	6	5	370	26	24	24 X 65	620	224	11.50	
360	23972 CAC/W33	362	380	310	358	390	176	62	88	6	2.5	380	22	20	20 X 55	480	90	2.10	
	23072 CC/W33	362	380	300	358	390	208	50	131	6	4	390	26	24	24 X 65	540	134	3.50	
	24072 CC/W33	362	380	310	358	390	273	68	177	6	4	390	22	20	20 X 55	540	180	5.80	
	23172 CAC/W33	362	380	300	358	390	293	74	189	6	4	390	26	24	24 X 65	600	192	9.40	
	24172 ECC/W33	362	380	300	358	390	318	54	240	6	4	390	26	24	24 X 65	600	243	7.90	
	23272 CA/W33	362	380	300	358	390	319	64	228	6	5	390	26	24	24 X 65	650	232	12.50	
380	23976 CC/W33	382	400	320	378	410	190	60	104	6	3	405	26	24	24 X 65	520	106	2.40	
	23076 CC/W33	382	400	320	378	410	214	54	132	6	4	410	26	24	24 X 65	560	135	4.00	
	24076 CC/W33	382	400	330	378	410	273	68	177	6	4	410	22	20	20 X 55	560	180	6.20	
	23176 CA/W33	382	400	320	378	410	294	74	191	6	4	410	26	24	24 X 65	620	194	10.00	
	24176 ECA/W33	382	400	320	378	410	318	54	240	6	4	410	26	24	24 X 65	620	243	8.00	
	23276 CA/W33	382	400	305	378	410	345	76	236	6	5	410	33	30	30 X 80	680	240	15.50	
400	23980 CAC/W33	402	420	340	398	430	194	62	104	6	3	425	26	24	24 X 65	540	106	2.60	
	23080 CAC/W33	402	420	340	398	430	220	55	145	6	4	430	26	24	24 X 65	600	148	4.80	
	24080 CAC/W33	402	420	340	398	430	297	70	197	6	4	430	26	24	24 X 65	600	200	7.30	
	23180 CA/W33	402	420	340	398	430	303	75	196	6	5	430	26	24	24 X 65	650	200	10.50	
	24180 ECA/W33	402	420	340	398	430	329	58	246	6	5	430	26	24	24 X 65	650	250	9.20	
	23280 CA/W33	402	420	325	398	430	353	76	252	6	5	430	33	30	30 X 80	720	256	17.50	

The Tolerance for db should be h6

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



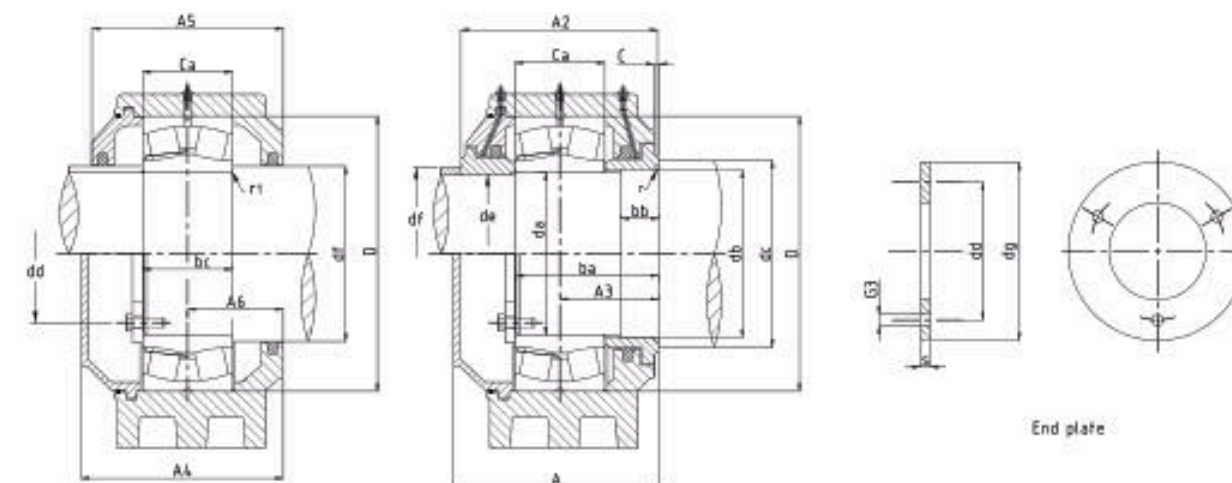
Shaft diameter da mm	Housing Dimension (in mm)																Masses (Approx) Housing type		Designation(1)
	A mm	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A kg	B kg	Housing of Grey Cast Iron
420	309	230	298	149	302	284	142	10.5	685	370	150	870	110	1000	48	42	320	335	SDGC 3984 G
	325	240	300	150	318	286	143	11	760	410	165	960	120	1130	56	48	450	475	SDGC 3084 G
	425	340	400	200	418	386	193	11	790	430	175	1010	195	1190	66	56	710	725	SDGC 4084 G
	479	390	458	229	469	438	219	14	895	490	200	1110	225	1300	66	56	1100	1100	SDGC 3184 G
	479	390	458	229	469	438	219	14	895	490	200	1110	225	1300	66	56	1050	1100	SDGC 4184 G
	508	420	486	243	496	462	231	16	1005	530	160	1270	240	1500	82	72 x 6	1300	1300	SDGC 3284 G
440	320	240	300	150	312	284	142	11	740	400	160	920	120	1060	56	48	415	430	SDGC 3988 G
	347	260	324	162	339	308	154	12	800	430	170	1000	130	1160	56	48	500	540	SDGC 3088 G
	437	350	414	207	429	398	199	12	825	450	180	1040	200	1230	66	56	820	835	SDGC 4088 G
	484	390	458	229	474	438	219	14	945	500	150	1160	225	1370	74	64	1050	1050	SDGC 3188 G
	484	390	458	229	474	438	219	14	945	500	150	1160	225	1370	74	64	1050	1050	SDGC 4188 G
	518	430	496	248	506	472	236	16	1045	550	165	1300	245	1530	82	72 x 6	1400	1400	SDGC 3288 G
460	325	240	300	150	318	286	143	11	760	410	165	960	120	1130	56	48	430	445	SDGC 3992 G
	369	280	348	174	359	328	164	14	835	450	180	1070	130	1250	66	56	650	680	SDGC 3092 G
	437	350	414	207	429	398	199	12	825	450	180	1040	200	1230	66	56	730	750	SDGC 4092 G
	508	420	486	243	496	462	231	16	1005	530	160	1270	240	1500	82	72 x 6	1300	1300	SDGC 3192 G
	508	420	486	243	496	462	231	16	1005	530	160	1270	240	1500	82	72 x 6	1250	1300	SDGC 4192 G
	558	460	526	263	546	502	251	16	1095	580	175	1350	260	1580	82	72 x 6	1650	1650	SDGC 3292 G
480	347	260	324	162	339	308	154	12	800	430	170	1000	130	1160	56	48	490	505	SDGC 3996 G
	379	290	325	179	369	338	169	14	855	460	185	1080	140	1260	66	56	700	730	SDGC 3096 G
	479	390	458	229	469	438	219	14	895	490	200	1110	225	1300	66	56	1050	1050	SDGC 4096 G
	518	430	496	248	506	472	236	16	1045	550	165	1300	245	1530	82	72 x 6	1400	1400	SDGC 3196 G
	518	430	496	248	506	472	236	16	1045	550	165	1300	245	1530	82	72 x 6	1400	1400	SDGC 4196 G
	560	470	540	270	546	512	256	18	1130	600	180	1390	270	1620	82	72 x 6	1750	1800	SDGC 3296 G
500	347	260	324	162	339	308	154	12	800	430	170	1000	130	1160	56	48	485	475	SDGC 39/500 G
	384	290	358	179	374	338	169	14	865	460	190	1100	140	1280	66	56	720	750	SDGC 30/500 G
	484	390	458	229	474	438	219	14	945	500	150	1160	225	1370	74	64	960	985	SDGC 40/500 G
	558	460	526	263	546	502	251	16	1095	580	175	1350	260	1580	82	72 x 6	1650	1700	SDGC 31/500 G
	558	460	526	263	546	502	251	16	1095	580	175	1350	260	1580	82	72 x 6	1600	1650	SDGC 41/500 G
	605	500	570	285	591	542	271	18	1190	640	190	1420	300	1680	82	72 x 6	2050	2100	SDGC 32/500 G
530	379	290	358	179	369	338	169	14	855	460	185	1080	140	1260	66	56	620	635	SDGC 39/530 G
	428	430	406	203	416	382	191	16	1045	550	165	1300	245	1530	82	72 x 6	1250	1300	SDGC 30/530 G
	508	420	486	243	496	462	231	16	1005	530	160	1270	240	1500	82	72 x 6	1150	1150	SDGC 40/530 G
	560	470	540	270	546	512	256	18	1130	600	180	1390	270	1620	82	72 x 6	1800	1800	SDGC 31/530 G
	560	470	540	270	546	512	256	18	1130	600	180	1390	270	1620	82	72 x 6	1750	1750	SDGC 41/530 G

#The designation denotes a housing for labyrinth seals. A housing with felt seal is designated by suffix H.e.g.SDGC 2328 H

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



Housing with felt seals

Housing with labyrinth-felt seals

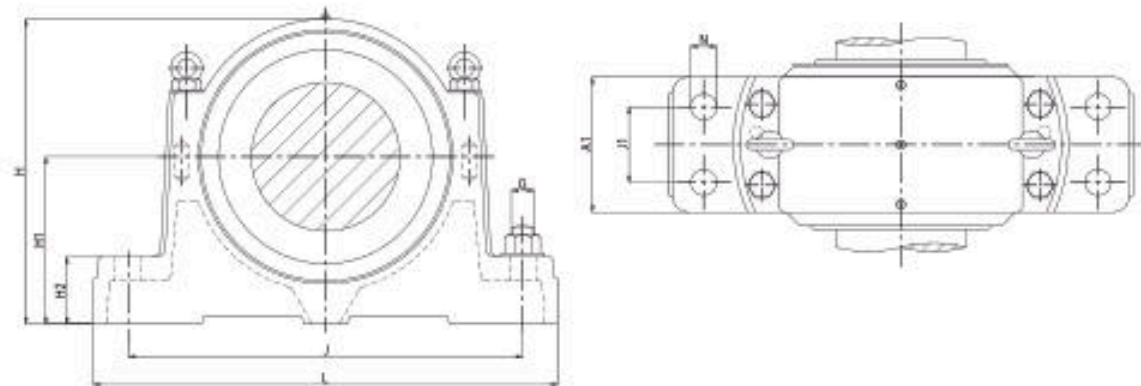
End plate

Shaft diameter	appropriate Bearing	Shaft seating, abutment and fillet dimension											End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
		db # mm	dc (min)	dd	de	df	ba	bb	bc	r	r1	dg	G3	s	D		Ca		
420	23984 CAC/W33	422	440	360	418	450	198	66	104	6	3	445	26	24	24 X 65	560	106	2.80	
	23084 CA/W33	422	440	345	418	450	222	55	147	6	4	450	33	30	30 X 80	620	150	5.20	
	24084 CA/W33	422	440	360	418	450	297	70	197	6	4	450	26	24	24 X 65	620	200	7.40	
	23184 C/W33	422	440	345	418	450	337	82	220	6	5	450	33	30	30 X 80	700	224	14.50	
	24184 ECA/W33	422	440	345	418	450	365	82	276	6	5	450	33	30	30 X 80	700	280	11.50	
	23284 CA/W33	422	440	345	418	460	374	76	267	6	6	460	33	30	30 X 80	760	272	21.00	
440	23988 CAC/W33	442	460	380	438	470	205	65	116	6	3	465	26	24	24 X 65	600	118	3.70	
	23088 CA/W33	442	460	365	438	470	235	55	153	6	5	475	33	30	30 X 80	650	157	6.00	
	24088 CA/W33	442	460	380	438	470	310	70	208	6	5	475	26	24	24 X 65	650	212	7.60	
	23188 C/W33	442	460	365	438	470	338	82	222	6	5	475	33	30	30 X 80	720	226	16.00	
	24188 ECA/W33	442	460	365	438	470	365	82	276	6	5	470	33	30	30 X 80	720	280	12.50	
	23288 CA/W33	442	460	365	438	480	383	76	275	6	6	480	33	30	30 X 80	790	280	23.00	
460	23992 CAC/W33	462	480	385	458	490	205	65	116	6	3	485	33	30	30 X 80	620	118	4.80	
	23092 CA/W33	462	480	385	458	490	252	60	160	6	5	495	33	30	30 X 80	680	183	7.00	
	24092 CA/W33	462	480	400	458	490	312	70	214	6	5	495	26	24	24 X 65	680	218	8.60	
	23192 C/W33	462	480	385	458	500	358	86	235	6	6	500	33	30	30 X 80	760	240	18.00	
	24192 ECA/W33	462	480	385	458	500	389	86	295	6	6	500	33	30	30 X 80	760	300	15.00	
	23292 CA/W33	462	480	385	458	500	406	80	291	6	6	500	33	30	30 X 80	830	296	27.00	
480	23996 CAC/W33	482	500	405	478	510	222	68	125	6	4	505	33	30	30 X 80	650	128	4.80	
	23096 CA/W33	482	500	405	478	510	258	66	161	6	5	515	33	30	30 X 80	700	165	7.40	
	24096 CA/W33	482	500	405	478	510	334	84	214	6	5	515	33	30	30 X 80	700	218	9.50	
	23196 C/W33	482	500	405	478	520	367	87	243	6	6	520	33	30	30 X 80	790	248	20.00	
	24196 ECA/W33	482	500	405	478	520	398	86	303	6	6	520	33	30	30 X 80	790	308	16.50	
	23296 CA/W33	482	500	390	478	520	420	80	305	6	6	520	39	36	36 X 90	870	310	31.00	
500	239/500 CA/W33	502	520	425	498	530	222	68	125	6	4	530	33	30	30 X 80	670	128	5.80	
	230/500 CA/W33	502	520	425	498	530	258	64	163	6	5	535	33	30	30 X 80	720	167	8.00	
	240/500 CA/W33	502	520	425	498	530	334	84	214	6	5	535	33	30	30 X 80	720	218	10.00	
	231/500 CA/W33	502	520	425	498	540	390	92	260	6	6	540	33	30	30 X 80	830	264	22.00	
	241/500 ECA/W33	502	520	425	498	540	421	71	320	6	6	540	33	30	30 X 80	830	325	19.00	
	232/500 CA/W33	502	520	410	498	540	448	82	332	6	6	540	39	36	36 X 90	920	336	37.00	
530	239/530 CA/W33	532	550	455	528	560	242	80	133	6	4	560	33	30	30 X 80	710	136	7.20	
	230/530 CA/W33	532	550	440	528	560	290	75	181	6	5	565	39	36	36 X 90	780	185	11.00	
	240/530 CA/W33	532	550	455	528	560	364	84	246	6	5	560	33	30	30 X 80	780	250	14.00	
	231/530 CA/W33	532	550	440	528	570	400	94	267	6	6	570	39	36	36 X 90	870	272	26.00	
	241/530 ECA/W33	532	550	440	528	570	433	73	330	6	6	570	39	36	36 X 90	870	335	22.00	

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



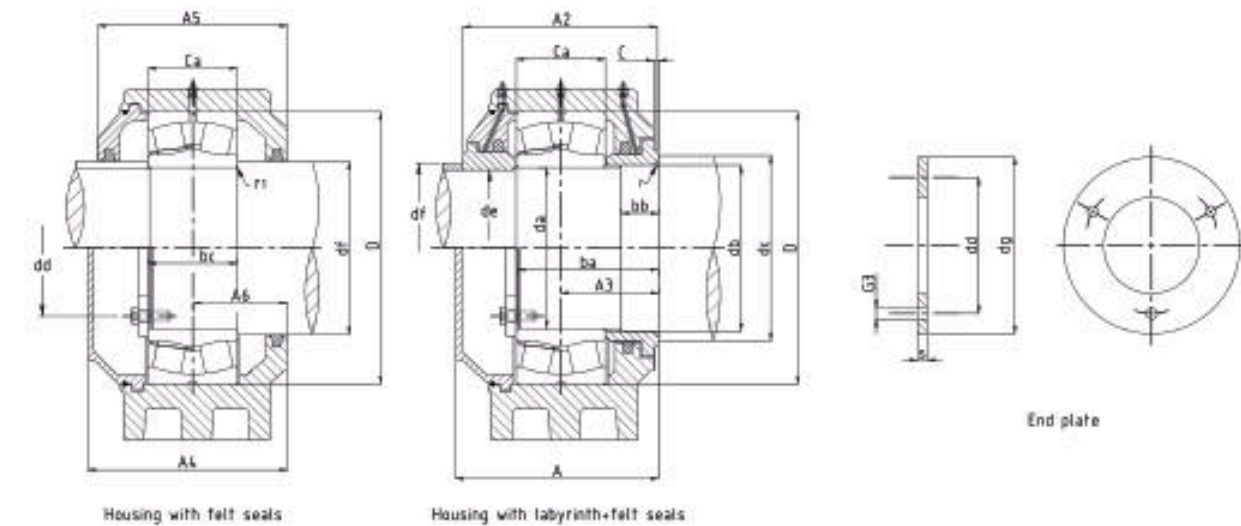
Shaft diameter da mm	Housing Dimension (in mm)																Masses (Approx) Housing type		Designation(†)
	A	A1	A2	A3	A4	A5	A6	C	H	H1	H2	J	J1	L	N	G	A	B	
560	384	290	358	179	374	338	169	14	865	460	190	1100	140	1280	66	56	620	635	SDGC 39/560 G
	438	460	406	203	426	382	191	16	1095	580	175	1350	260	1580	82	72 X 6	1450	1500	SDGC 30/560 G
	558	460	526	263	546	502	251	16	1095	580	175	1350	260	1580	82	72 X 6	1450	1500	SDGC 40/560 G
	605	500	570	285	591	542	271	18	1190	640	190	1420	300	1680	82	72 X 6	2100	2150	SDGC 31/560 G
	605	500	570	285	591	542	271	18	1190	640	190	1420	300	1680	82	72 X 6	2050	2100	SDGC 41/560 G
600	428	430	406	203	416	382	191	16	1045	550	165	1300	245	1530	82	72 X 6	1150	1200	SDGC 39/600 G
	450	470	410	205	436	384	192	18	1130	600	180	1390	270	1620	82	72 X 6	1600	1650	SDGC 30/600 G
	560	470	540	270	546	512	256	18	1130	600	180	1390	270	1620	82	72 X 6	1650	1650	SDGC 40/600 G
630	438	460	406	203	426	382	191	16	1095	580	175	1350	260	1580	82	72 X 6	1250	1250	SDGC 39/630 G
	465	500	420	210	451	394	197	18	1190	640	190	1420	300	1680	82	72 X 6	1800	1850	SDGC 30/630 G
	605	500	570	285	591	542	271	18	1190	640	190	1430	300	1680	82	72 X 6	1900	1950	SDGC 40/630 G
670	450	470	410	205	436	384	192	18	1130	600	180	1390	270	1620	82	72 X 6	1450	1500	SDGC 39/670 G
710	465	500	420	210	451	394	197	18	1190	640	190	1420	300	1680	82	72 X 6	1700	1750	SDGC 39/710 G

†The designation denotes a housing for labyrinth seals. A housing with felt seal is designated by suffix H, e.g. SDGC 2328 H

SDG SERIES

Plummer Blocks (Bearing Housings)

for spherical roller bearings with cylindrical bore (TYPE-G)



Shaft diameter da mm	appropriate Bearing	Shaft seating, abutment and fillet dimension											End plate Dimensions			Attachment bolts (3 bolts)	Bearing seat Dimension		Grease quantity initial fill kg
		db # mm	dc (min)	dd	de	df	ba	bb	bc	r	r1	dg	G3	s	D	Ca			
560	239/560 CA/W33	562	580	485	558	590	245	80	137	6	4	590	33	30	30 X 80	750	140	8.00	
	230/560 CA/W33	562	590	470	558	590	295	75	191	10	5	595	39	36	36 X 90	820	195	12.00	
	240/560 CA/W33	562	580	485	558	590	388	94	254	6	5	590	33	30	30 X 80	820	258	16.00	
	231/560 CA/W33	562	590	470	558	600	420	100	275	10	6	600	39	36	36 X 90	920	280	32.00	
	241/560 EC/W33	562	590	470	558	600	459	75	350	10	6	600	39	36	36 X 90	920	355	26.00	
600	239/600 CA/W33	602	620	510	598	630	274	90	147	6	4	630	39	36	36 X 90	800	150	10.00	
	230/600 CA/W33	602	630	510	598	630	300	75	196	10	5	635	39	36	36 X 90	870	200	13.00	
	240/600 CA/W33	602	620	510	598	630	402	94	268	6	5	635	39	36	36 X 90	870	272	18.00	
630	239/630 CA/W33	632	660	540	628	670	282	85	161	10	5	665	39	36	36 X 90	850	165	11.00	
	230/630 CA/W33	632	660	540	628	670	310	75	208	10	6	675	39	36	36 X 90	920	612	15.00	
	240/630 CA/W33	632	660	540	628	670	425	98	285	10	6	675	39	36	36 X 90	920	290	23.00	
670	239/670 CA/W33	672	700	580	668	710	285	85	166	10	5	705	39	36	36 X 90	900	170	12.00	
710	239/710 CA/W33	712	740	620	708	750	295	85	176	10	5	745	39	36	36 X 90	950	180	16.00	

The Tolerance for db should be h6

SAF SERIES BEARING HOUSINGS

SAF series housing was developed first for inch series bearing and the overall dimensions were defined in inches. However, with updated demand in industries, SAF is made suitable for metric series bearings and it is available in metric series which is fully suitable for various bearings. The limiting sizes are shaft diameters from 20 mm to 200mm as well as shaft diameters from 19.05 mm (3/4 inches) to 242.89mm (9-9/16 inches).

In the range of smaller bearings, this housing is heavy-duty design. SAF housing is suitable to withstand heavy impact and shock loads due to its robust construction. It has an extra heavy base to support bearing loads. Four elongated bolt holes are provided in the base for stronger installation.

For efficient sealing, a triple seal type Labyrinth seal is provided.

TECHNICAL DETAIL AND PRODUCT FEATURE

- Construction of SAF is improved with the bottom base design, one rib is provided in the middle inside bottom. This adds strength to the SAF series.
- SAF Series is horizontally split type bearing housing.
- For Metric-size housing, a shaft diameter of 20 mm to 200 mm is the limiting range for the use of suitable bearings for this series.
- Similarly for inch-size shaft and bearings suitable SAF housings (in metric size) are available using suitable shaft diameter range. In such cases, the inside diameter of Labyrinth is made to its equivalent size in inch.
- For the located bearing option in an axial direction, the provision for locating ring is made. As per bearing width, one or two locating rings are used.



SAF SERIES BEARING HOUSINGS

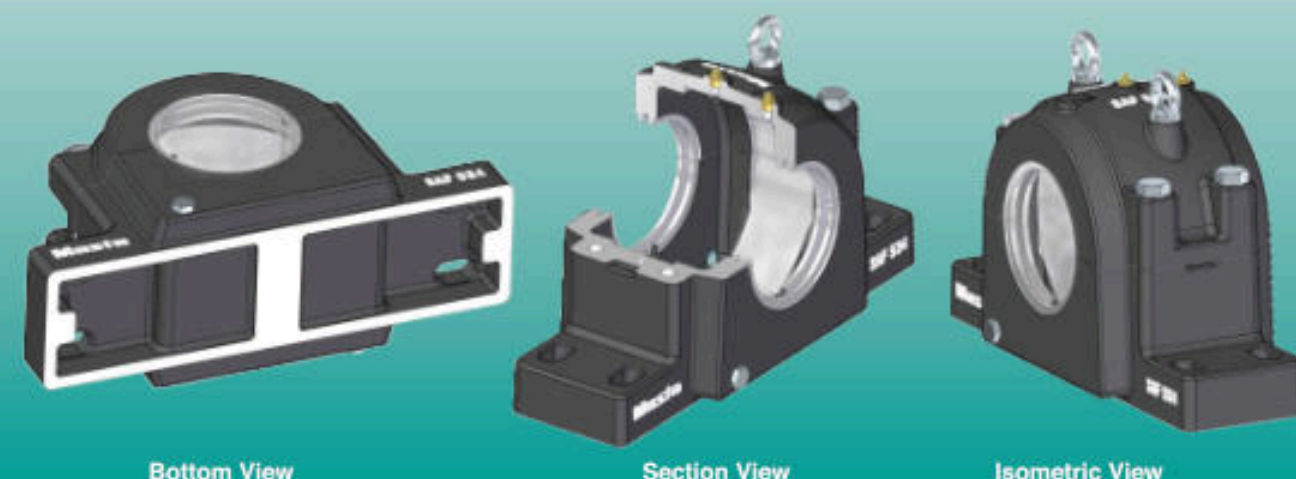


TECHNICAL DETAIL AND PRODUCT FEATURE

- SAF housings are suitable only for grease lubrication. A grease nipple is provided on top for relubrication.
- For the SAF series Labyrinth seal is available:
I. Labyrinth Seal : TS, TER, LOR
In case of SAF housings, Labyrinth seal can be supplied in Aluminum material on demand.
- On both sides of the housing at the bottom sides, a Drain Plug is provided for removing contaminated grease during maintenance.
- For the closed-end option of housing, provision for an End Cover is made.
- Four-dimensional Series are available in SAF housings:
SAF 500 - suitable for bearing SERIES 12...K/22...K/222...CCK with adapter sleeve
SAF 600 - suitable for bearing SERIES 13...K/223...CCK with adapter sleeve

SAF 200 - suitable for bearing SERIES 12.../22...222...CC with a cylindrical bore.
SAF 300 - suitable for bearing SERIES 13.../223...CC with cylindrical bore.

- Material for SAF series:
The following options are available, which allow a user to select his suitability depending upon the loading condition for bearing housing.
 - Graded Cast Iron : Gr FG 260 (IS 210)
 - Cast Steel : Gr 230-450 (IS 1030)
 - SG (Ductile) Iron : Gr 400/15 (IS 1865)
- In case of specific requirements, four foundation holes (instead of the standard two holes) can be provided which gives additional rigidity to bearing housing installation. Such provisions are used where there is heavy vibration or severe loading conditions in bearing operation.



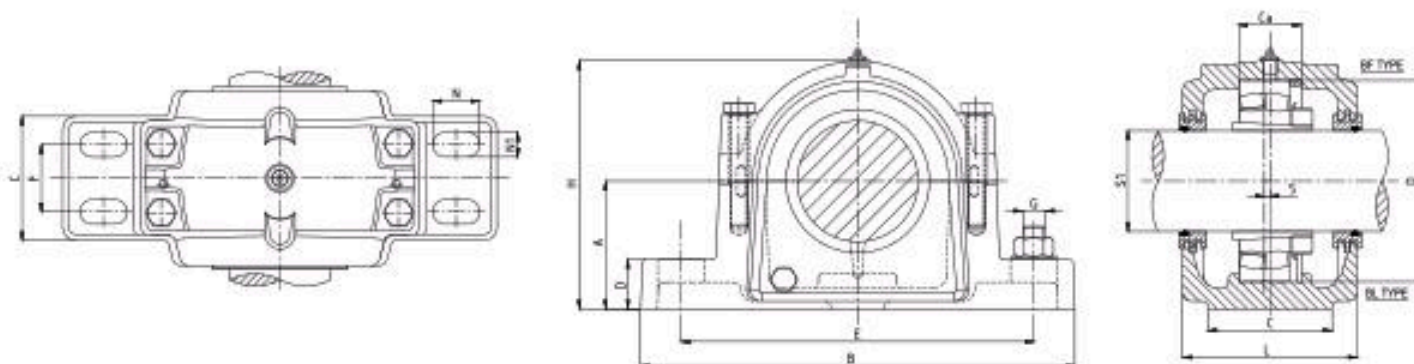
Bottom View

Section View

Isometric View

SAF 500 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

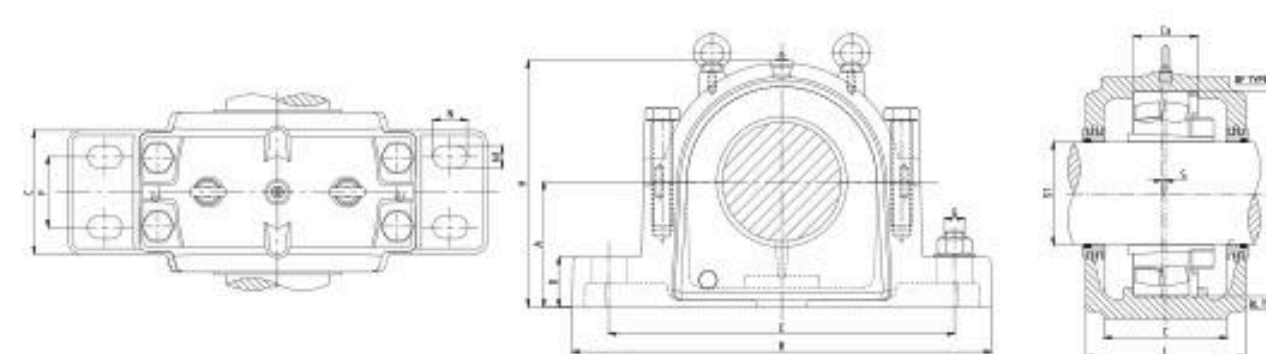


Plummer Block SAF-524 and above are supplied with Eye bolt on cap.

Bearing Housing No.	Shaft Dia S1		Housing Dimension in mm											Foundation Bolts(Nos)		Bearing Seat Width	Approx Weight	Bearing No.	Stablizing Ring	
	For inch size Brg.	For mm size Brg.	B	E	F	C	D	A	H	L	N	N1	G	mm	inch				Size	Nos.
SAF 505	19.05	20	165.1	139.7	-	44.4	17.5	38.1	74.6	73	23	14	M 12(2)	1/2(2)	52	28	2.5	1205 K	6.5/52	2
																			10/52	1
SAF 506	23.81	25	190.5	144.5	-	50.8	17.5	44.4	85.7	82.6	23	14	M 12(2)	1/2(2)	62	30	3	1206 K	7/62	2
																			10/62	1
SAF 507	30.16	30	190.5	149.2	-	50.8	20.6	50.8	96.8	82.6	23	14	M 12(2)	1/2(2)	72	33	3.7	1207 K	8/72	2
																			10/72	1
SAF 509	36.51	35	209.6	168.3	-	60.3	20.6	57.2	111.1	92.1	23	14	M 12(2)	1/2(2)	85	33	4.3	1209 K	7/85	2
																			10/85	1
SAF 510	42.86	40	209.6	171.4	-	60.3	23.8	63.5	120.6	92.1	23	14	M 12(2)	1/2(2)	90	33	5.2	1210 K	6.5/90	2
																			10/90	1
SAF 511	49.21	50	244.5	193.6	-	69.8	23.8	69.8	133.4	98.4	23	18	M 16(2)	5/8(2)	100	35	6.5	1211 K	7/100	2
																			10/100	1
SAF 512	52.39	55	270	210	-	70	28.6	76.2	148	118	23	18	M 16(2)	5/8(2)	110	38	8.7	1212 K	8/110	2
																			10/110	1
SAF 513	55.56	60	279.4	223.8	-	79.4	25.4	76.2	150.8	111.3	28	18	M 16(2)	5/8(2)	120	41	9.5	1213 K	9/120	2
																			10/120	1
SAF 515	61.91	65	285.8	231.8	-	79.4	28.6	82.6	161.9	120.6	28	18	M 16(2)	5/8(2)	130	41	11	1215 K	8/130	2
																			10/130	1
SAF 515	61.91	65	285.8	231.8	-	79.4	28.6	82.6	161.9	120.6	28	18	M 16(2)	5/8(2)	130	41	11	1215 K	8/130	2
																			10/130	1

SAF 500 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

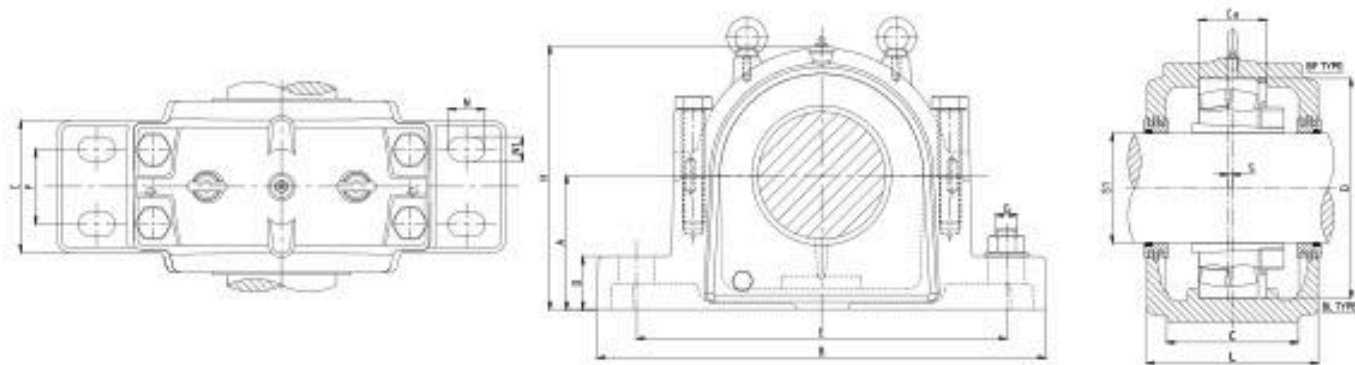


Plummer Block SAF-524 and above are supplied with Eye bolt on cap.

Bearing Housing No.	Shaft Dia S1		Housing Dimension in mm											Foundation Bolts(Nos)		Bearing Seat Width	Approx Weight	Bearing No.	Stablizing Ring	
	For inch size Brg.	For mm size Brg.	B	E	F	C	D	A	H	L	N	N1	G	mm	inch				Size	Nos.
SAF 516	68.26	70	330.2	261.95	54	88.9	30.2	88.9	174.6	123.8	35	22	M 20(2)	3/4(2)	140	43	13.5	1216 K	8.5/140	2
																			10/140	1
SAF 517	74.61	75	330.2	265.1	54	88.9	31.8	95.2	185.7	127	35	22	M 20(2)	3/4(2)	150	46	15	1217 K	9/150	2
																			10/150	1
SAF 518	80.96	80	349.5	279.4	54	98.4	41.3	101.6	196.8	146	32	22	M 20(2)	3/4(2)	160	50	19	1218 K	10/160	2
																			10/160	1
SAF 519	83.41	85	362	295	54	99	44.1	108.0	210	150	32	22	M 20(2)	3/4(2)	170	53	22	1219 K	10.5/170	2
																			10/170	1
SAF 520	87.31	90	387.4	314.35	60.3	111.1	44.1	114.3	222.2	155.6	42	26	M 22(2)	7/8(2)	180	56	27.5	1220 K	11/180	2
																			10/180	1
SAF 522	100.01	100	419.1	344.5	69.8	120.6	50.8	125.4	244.5	165.1	42	22	M 20(4)	3/4(4)	200	63	34.5	1222 K	12.5/200	2
																			10/200	1
SAF 524	106.36	110	419.1	352.45	69.8	120.6	54.0	133.4	260.4	187.3	42	22	M 20(4)	3/4(4)	215	68	41	22224 CCK	10/215	1
SAF 526	112.71	115	466.7	388.95	82.6	130.2	60.3	152.4	292.1	203.2	40	26	M 22(4)	7/8(4)	230	74	55	22226 CCK	10/230	1
SAF 528	125.41	125	511.2	420.7	85.7	149.2	60.3	152.4	298.3	193.7	40	28	M 24(4)	1(4)	250	78	61	22228 CCK	10/250	1

SAF 500 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

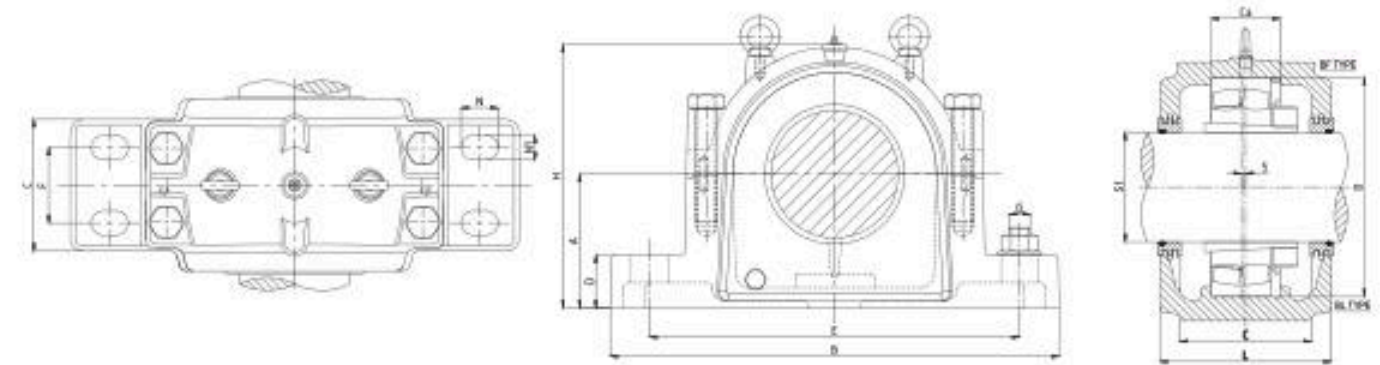


Plummer Block SAF-524 and above are supplied with Eye bolt on cap.

Bearing Housing No.	Shaft Dia S1		Housing Dimension in mm										Foundation Bolts(Nos)		Bearing Seat Width		Approx Weight Kg.	Bearing No.	Stablizing Ring	
	For inch size Brg.	For mm size Brg.	B	E	F	C	D	A	H	L	N	N1	mm	inch	D	Ca			Size	Nos.
SAF 530	131.76	130	539.8	447.7	95.2	158.8	63.5	160.3	317.5	212.7	42	28	M 24 (4)	1 (4)	270	83	67	22230 CCK	10/270	1
SAF 532	138.11	140	558.8	465.15	95.2	158.8	66.7	169.9	338.1	222.1	48	28	M 24 (4)	1(4)	290	90	78.5	22232 CCK	10/290	1
SAF 534	150.81	150	628.6	520.7	108.0	171.4	69.8	179.4	360.4	244.5	54	28	M 24 (4)	1 (4)	310	96	99.5	22234 CCK	10/310	1
SAF 536	163.51	160	679.4	565.15	117.5	181	76.2	190.5	377.8	254	60	28	M 24 (4)	1 (4)	320	96	110	22236 CCK	10/320	1
SAF 538	176.21	175	711.2	584.2	114.5	190.5	79.4	200	398.5	273	65	35	M 30 (4)	1.1/4 (4)	340	102	136	22238 CCK	10/340	1
SAF 540	182.56	180	749.3	603.25	127.0	203.2	85.7	208.6	419.1	285.8	65	35	M 30 (4)	1.1/4 (4)	360	108	168.5	22240 CCK	10/360	1
SAF 544	201.61	200	831.8	668.3	133.4	222.2	95.2	241.3	473.1	304.8	80	42	M 30 (4)	1.1/4 (4)	400	118	223.5	22244 CCK	10/400	1

SAF 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

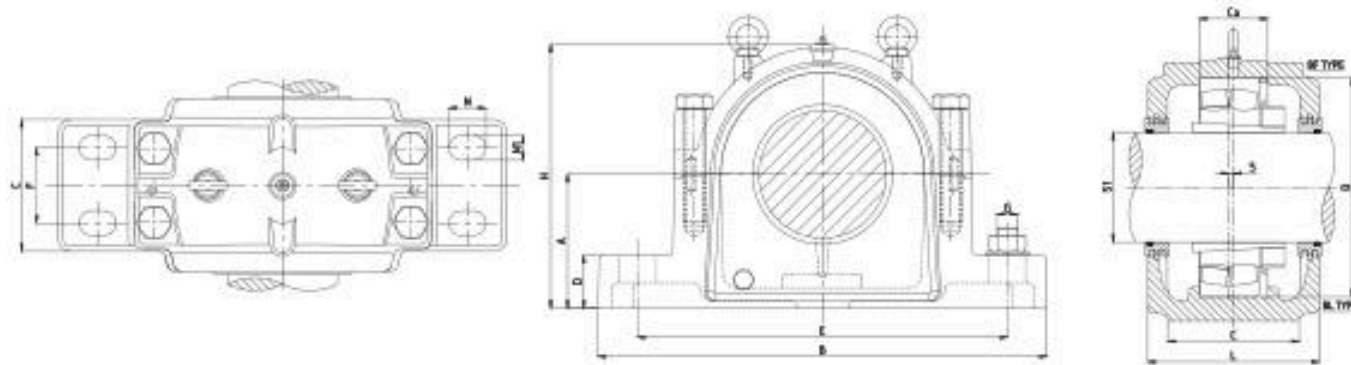


Plummer Block SAF620 and above are Supplied with eye bolts on cap.

Bearing Housing No.	Shaft Dia	Housing Dimension in mm										Foundation Bolts(Nos)		Bearing Seat Width		Approx Weight	Bearing No.	Stablizing Ring	
		S1	B	E	F	C	D	A	H	L	N	N1	mm	inch	D			Ca	Kg.
SAF 605	19.05	190	145	—	51	17.5	44.4	86	93	23	15	M 12(2)	1/2(2)	62	34	3.2	1305 K 2305 K	8.5/62 10/62	2 1
SAF 606	23.81	190	148	—	51	20.6	50.8	97	93	23	15	M 12(2)	1/2(2)	72	37	3.8	1306 K 2306 K	9/72 10/72	2 1
SAF 608	30.16	210	170	—	60	25.4	63.5	122	102	23	15	M 12(2)	1/2(2)	90	43	5.5	1308 K 22308 CCK	10/90 10/90	2 1
SAF 609	36.51	244.5	193.65	—	69.8	25.4	69.8	134.9	108	23	18	M 16(2)	5/8(2)	100	46	6.5	1309 K 22309 CCK	10.5/100 10/100	2 1
SAF 610	42.86	269.9	212.7	—	69.8	28.6	76.2	147.6	117.5	32	18	M 16(2)	5/8(2)	110	50	9	1310 K 22310 CCK	11.5/110 10/110	2 1
SAF 611	49.21	279.4	223.85	50.8	79.4	30.2	82.6	157.2	123.8	32	18	M 16(2) M 12(4)	5/8(2) 1/2(4)	120	53	10	1311 K 22311 CCK	12/120 10/120	2 1
SAF 612	52.39	286	230	— 48	80	30.2	82.6	162	133	32	18	M 16(2) M 12(4)	5/8(2) 1/2(4)	130	56	11.5	1312 K 22312 CCK	12.5/130 10/130	2 1
SAF 613	55.56	330.2	261.95	— 54	88.9	31.8	88.9	176.2	136.5	37	22	M 20(2) M 16(4)	3/4(2) 5/8(4)	140	58	14	1313 K 22313 CCK	12.5/140 10/140	2 1
SAF 614	60.00	330	265	— 54	90	31.8	95.2	187	137	37	22	M 20(2) M 16(4)	3/4(2) 5/8(4)	150	61	15.5	1314 K 22314 CCK	13/150 10/150	2 1
SAF 615	61.91	349.2	279.4	— 54	98.4	41.3	101.6	196.8	158.8	37	22	M 20(2) M 16(4)	3/4(2) 5/8 (4)	160	65	19	1315 K 22315 CCK	14/160 10/160	2 1

SAF 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

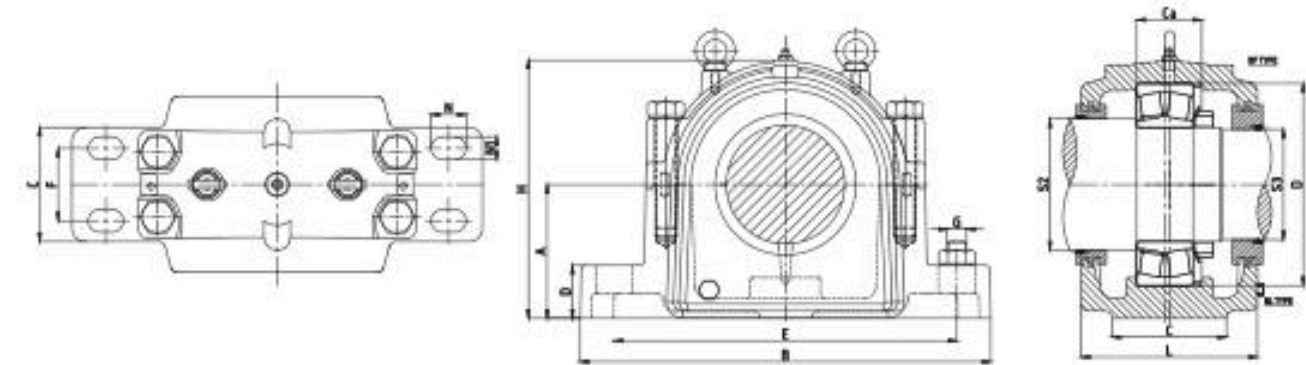


Plummer Block SAF-620 and above are supplied with Eye bolt on cap.

Bearing Housing No.	Shaft Dia S1	Housing Dimension in mm										Foundation Bolts(Nos) mm inch		Bearing Seat Width D Ca		Approx Weight Kg.	Bearing No.	Stablizing Ring Size Nos.	
		B	E	F	C	D	A	H	L	N	N1	G		D	Ca				
SAF 616	68.26	362	295.3	—	98.4	44.4	108.0	209.6	165.1	45	22	M 20(2) M 16(4)	3/4(2) 5/8(4)	170	68	22	1316 K 22316 CCK	14.5/170 10/170	2 1
SAF 617	74.61	387.4	314.35	60.3	111.1	44.4	114.3	222.2	171.4	45	26	M 24(2) M 20(4)	1(2) 3/4(4)	180	70	27.5	1317 K 22317 CCK	14.5/180 10/180	2 1
SAF 618	80.96	393.7	323.85	57.2	111.1	50.8	120.6	235	174.6	39	22	M 20(4)	3/4(4)	190	74	35	1318 K 22318 CCK	15.5/190 10/190	2 1
SAF 620	87.31	419.1	352.45	69.8	120.6	54.0	133.4	260.4	187.3	36	22	M 20(4)	3/4(4)	215	83	41	22320 CCK	10/215	1
SAF 622	100.01	466.7	388.95	82.6	130.2	60.3	152.4	292.1	203.2	42	26	M 24(4)	1(4)	240	90	55	22322 CCK	10/240	1
SAF 624	106.36	539.8	447.7	95.2	158.8	63.5	160.3	317.5	212.7	40	28	M 24(4)	1(4)	260	96	68	22324 CCK	10/260	1
SAF 626	112.71	558.8	465.15	95.2	158.8	66.3	169.9	338.1	222.2	48	28	M 24(4)	1(4)	280	103	79	22326 CCK	10/280	1
SAF 628	125.4	628.6	520.7	108	171.4	69.8	179.4	360.4	244.5	52	28	M 24(4)	1(4)	300	112	101	22328 CCK	10/300	1
SAF 630	131.76	679.4	565.15	117.5	181	76.2	190.5	377.8	247.6	58	28	M 24(4)	1(4)	320	118	112	22330 CCK	10/320	1
SAF 632	138.11	711.2	584.2	114.3	190.5	79.4	200.0	398.5	273	65	35	M 30(4)	1.1(4/4)	340	124	137	22332 CCK	10/340	1
SAF 634	150.81	749.3	603.25	127	203.2	85.7	209.6	419.1	285.8	65	35	M 30(4)	1.1(4/4)	360	130	170	22334 CCK	10/360	1
SAF 636	163.51	795	645	133	210	88.9	225.4	170	286	65	35	M 30(4)	1.1(4/4)	380	136	222	22336 CCK	10/380	1
SAF 638	176.21	831.8	668.3	133.4	222.2	95.2	241.3	473.1	304.8	70	42	M 36(4)	1.3(8/4)	400	142	229	22338 CCK	10/400	1
SAF 640	182.56	870	710	140	229	101.6	250.8	513	311	70	42	M 36(4)	1.3(8/4)	420	148	262	22340 CCK	10/420	1

SAF 200 SERIES

Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings

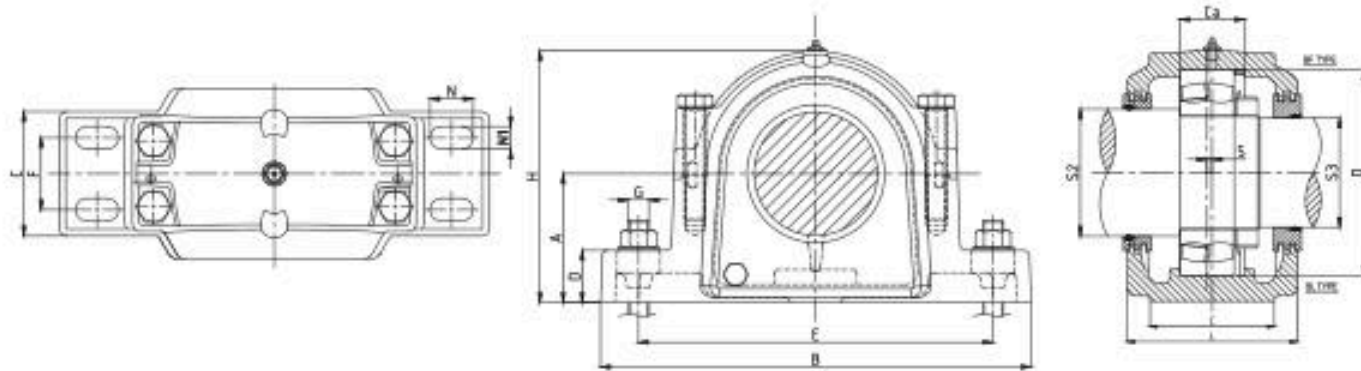


Plummer Block SAF 224 and above are supplied with eye bolts on cap.

Bearing Housing No.	Shaft Dia S2 S3		Housing Dimension in mm										Foundation Bolts(Nos) mm inch		Bearing Seat Width D Ca		App. Wgt Kg.	Bearing No.	Stablizing Ring Size Nos.	
	Inch	mm	Inch	mm	B	E	F	C	D	A	H	L	N	N1	G					
SAF 216	3.5/8	92.08	3	76.2	330.2	261.95	—	88.9	31.8	88.9	176.2	136.5	35	22	M 20(2) 3/4(2) M 16(4) 5/8(4)	140 43	13	1216 C 2216 C, 22216CC	8.5/140 10/140	2 1
SAF 217	3.15/16	100.01	3.3/16	80.96	330.2	265.1	—	88.9	31.8	95.2	187.3	127	35	22	M 20(2) 3/4(2) M 16(4) 5/8(4)	150 46	15	1217 2217 C, 22217 CC	9/150 10/150	2 1
SAF 218	4.1/8	104.78	3.3/8	85.72	349.2	279.4	—	98.4	41.3	101.6	196.8	146	32	22	M 20(2) 3/4(2) M 16 5/8(4)	160 50	19	1218 C 2218 C, 22218 CC	10/160 10/160	2 1
SAF 219	4.1/4	107.95	3.9/16	90.48	362	295	—	99	44.4	108	210	150	32	22	M 20(2) 3/4(2) M 16(4) 5/8(4)	170 53	22.0	1219 C 2219 C, 22219 CC	10.5/170 10/170	2 1
SAF 220	4.1/2	114.30	3.13/16	96.84	387.4	314.35	60.3	111.1	44.4	114.3	222.2	155.6	42	26	M 22(2) 7/8(2) M 20(4) 3/4(4)	180 56	27	1220 C 22220 CC	11/180 10/180	2 1
SAF 222	4.7/8	123.82	4.3/16	106.36	419.1	344.5	69.8	120.6	50.8	125.4	244.5	165.1	42	22	M 20(4) 3/4(4)	200 63	34	1222 C 22222 CC	12.5/200 10/200	2 1
SAF 224	5.5/16	134.94	4.9/16	115.89	419.1	352.45	69.8	120.6	54.0	133.4	260.4	187.3	42	22	M 20(4) 3/4(4)	215 68	41	22224 CC	10/215	1
SAF 226	5.7/8	149.22	4.15/16	125.41	466.7	388.95	82.6	130.2	60.3	152.4	292.1	203.2	40	26	M 22(4) 7/8(4)	230 74	55	22226 CC	10/230	1
SAF 228	6.1/4	158.75	5.5/16	134.95	511.2	420.7	85.7	149.2	60.3	152.4	298.4	193.7	40	28	M 24(4) 1(4)	250 78	61	22228 CC	10/250	1
SAF 230	6.5/8	168.28	5.3/4	146.05	539.8	447.7	95.2	158.8	63.5	160.3	317.5	212.7	42	28	M 24(4) 1(4)	270 83	67	22230 CC	10/270	1

SAF 200 SERIES

Plummer Blocks (Bearing Housings)
For Straight (Cylindrical) Bore Bearings

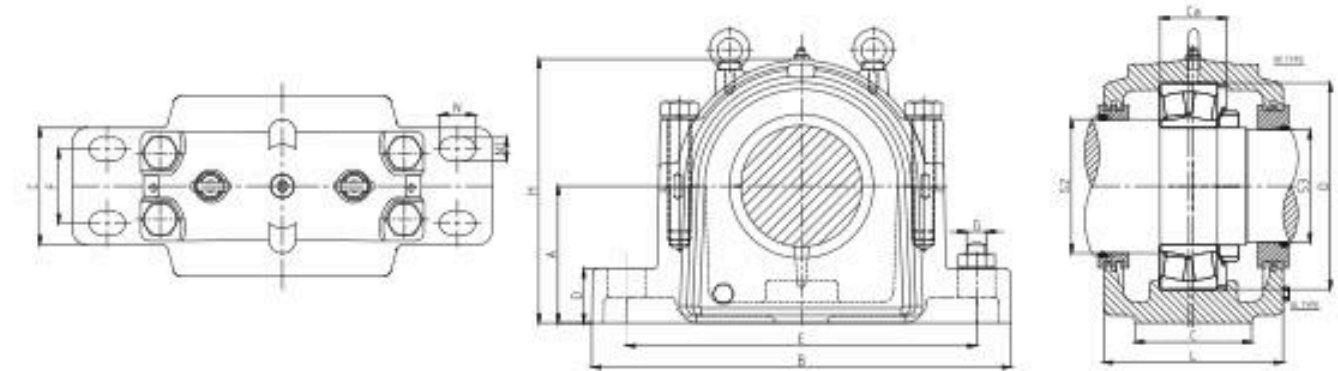


Plummer Block SAF 224 and above are
Supplied with eye bolts on cap.

Bearing Housing No.	Shaft Dia				Housing Dimension in mm										Foundation Bolts(Nos)		Bearing Seat Width		App. Wgt Kg.	Bearing No.	Stablizing Ring Size Nos.	
	S2		S3		B	E	F	C	D	A	H	L	N	N1	mm G	inch	D	Ca				
SAF 232	7	177.8	6.1/16	153.99	558.8	465.15	95.2	158.8	66.7	169.9	338.1	222.2	48	28	M 24(4)	1/4)	290	90	77	22232 CC	10/290	1
SAF 234	7.7/6	188.91	6.7/16	163.51	628.8	520.7	108	171.4	69.8	179.4	360.4	244.5	54	28	M 24(4)	1/4)	310	96	98	22234 CC	10/310	1
SAF 236	7.13/16	198.44	6.7/8	174.62	679.4	565.15	117.5	181	76.2	190.5	377.8	254	60	28	M 24(4)	1/4)	320	96	110	22236 CC	10/320	1
SAF 238	8.3/8	212.72	7.1/4	184.15	711.2	584.2	114.3	190.5	79.4	200	398.5	273	65	35	M 30(4)	1.1/4(4)	340	102	136	22238 CC	10/340	1
SAF 240	8.3/4	222.25	7.5/8	193.68	749.3	603.25	127	203.2	85.7	209.6	419	285.8	65	35	M 30(4)	1.1/4(4)	360	108	167	22240 CC	10/360	1
SAF 244	9.9/16	242.89	8.5/16	211.14	831.8	668.3	133.4	222.2	95.2	241.3	473	304.8	80	42	M 40(4)	1.1/2(4)	400	118	222	22244 CC	10/400	1

SAF 300 SERIES

Plummer Blocks (Bearing Housings)
For Straight (Cylindrical) Bore Bearings

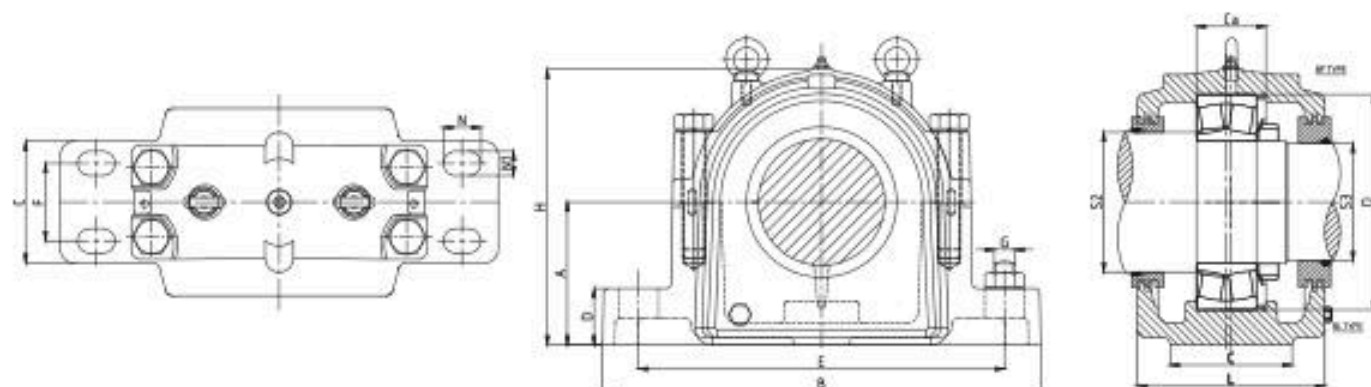


Plummer Block SAF 320 and above are
Supplied with eye bolts on cap.

Bearing Housing No.	Shaft Dia				Housing Dimension in mm											Foundation Bolts(Nos)		Bearing Seat Width		App. Wgt Kg.	Bearing No.	Stablizing Ring	
	S2 Inch	mm	S3 Inch	mm	B	E	F	C	D	A	H	L	N	N1	G	mm	inch	D	Ca			Size	Nos.
SAF 308	1.15/16	49.21	1.7/16	36.51	209.6	171.5	—	60.3	25.4	63.5	122.2	101.6	23	15	M 12(2)	1/2(2)	90	43	5.5	1308 C 22308 CC	10/90 10/90	2 1	
SAF 309	2.1/8	53.98	1.11/16	42.86	244.5	193.65	—	69.8	25.4	69.8	134.9	108	23	18	M 16(2)	5/8(2)	100	46	6.5	1309 C 22309CC	10.5/100 10/100	2 1	
SAF 310	2.3/8	60.32	1.7/8	47.62	269.9	212.7	—	69.8	28.6	76.2	147.6	117.5	32	18	M 16(2)	5/8(2)	110	50	9	1310 C 22310 CC	11.5/110 10/110	2 1	
SAF 311	2.9/16	65.09	2.1/16	52.39	279.4	223.85	50.8	79.4	30.2	82.6	157.2	127	32	18	M 16(2)	5/8(2)	120	53	10	1311 C 22312 CC	12/120 10/120	2 1	
SAF 312	2.7/8	73.02	2.1/4	57.15	285.8	231.8	47.6	79.4	30.2	82.6	161.9	133.4	32	18	M 16(2)	5/8(2)	130	56	11.5	1312 C 22312CC	12.5/130 10/130	2 1	
SAF 313	3.1/16	77.79	2.7/16	61.91	330.2	261.95	— 54	88.9	31.8	88.9	176.2	136.5	37	22	M 20(2)	3/4(2)	140	58	14	1313 C 22313 CC	12.5/140 10/140	2 1	
SAF 314	3.1/4	82.55	2.5/8	66.68	330.2	265.1	— 54	88.9	31.8	95.2	187.3	136.5	37	22	M 20(2)	3/4(2)	150	61	15.5	1314 C 22314 CC	13/150 10/150	2 1	
SAF 315	3.7/16	87.31	2.13/16	71.44	349.2	279.4	— 54	98.4	41.3	101.6	196.8	158.8	37	22	M 20(2)	3/4(2)	160	65	20	1315 C 22315 CC	14/160 10/160	2 1	
SAF 316	3.5/8	92.08	3	76.2	362	295.3	— 54	98.4	44.4	108	209.6	165.1	45	22	M 20(2)	3/4(2)	170	68	22	1316 C 22316 CC	14.5/170 10/170	2 1	
SAF 317	3.15/16	100.01	3.3/16	80.96	387.4	314.35	60.3	111.1	44.4	114.3	222.2	171.4	45	26	M 24(2)	1(2)	180	70	27.5	1317 C 22317 CC	14.5/180 10/180	2 1	

SAF 300 SERIES

Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Plummer Block SAF 320 and above are
Supplied with eye bolts on top cap.

Bearing Housing No.	Shaft Dia				Housing Dimension in mm											Foundation Bolts(Nos)		Bearing Seat Width		App. Wgt Kg.	Bearing No.	Stablizing Ring Size Nos.
	S2		S3		B	E	F	C	D	A	H	L	N	N1	mm	inch	D	Ca				
	Inch	mm	Inch	mm											G							
SAF 318	4.1/8	104.78	3.3/8	85.72	403.7	323.85	57.2	111.1	50.8	120.6	235	174.6	39	22	M 20(4)	3/4(4)	190	74	35	1318 C	15.5/190 2	
																				22318 CC	10/190	
SAF 320	4.1/2	114.30	3.13/16	96.84	419.1	352.45	69.8	120.6	54	133.4	260.4	187.3	36	22	M 20(4)	3/4(4)	215	83	41	22320 CC	10/215 1	
SAF 322	4.7/8	123.82	4.3/16	106.36	466.7	388.95	82.6	130.2	60.2	152.4	292.1	203.2	42	26	M 24(4)	1/4)	240	90	55	22322 CC	10/240 1	
SAF 324	5.5/16	134.94	4.9/16	115.89	539.8	447.7	95.2	158.8	63.5	160.3	317.5	212.7	40	28	M 24(4)	1/4)	260	96	68	22324 CC	10/260 1	
SAF 326	5.7/8	149.22	4.15/16	125.41	558.8	465.15	95.2	158.8	66.7	169.9	338.1	222.2	48	28	M 24(4)	1/4)	280	103	79	22326 CC	10/280 1	
SAF 328	6.1/4	158.75	5.5/16	134.94	628.6	520.7	108	171.4	69.8	179.4	360.4	238.1	52	28	M 24(4)	1/4)	300	112	101	22328 CC	10/300 1	
SAF330	6.5/8	168.28	5.3/4	146.05	679.4	565.15	117.5	181	76.2	190.5	377.8	247.6	58	28	M 24(4)	1/4)	320	118	112	22330 CC	10/320 1	
SAF332	7	177.80	6.1/16	153.99	711.2	584.2	114.3	190.5	79.4	200	398.5	273	65	35	M 30(4)	1.1/4(4)	340	124	137	22332 CC	10/340 1	
SAF334	7.7/16	188.91	6.7/16	163.51	749.3	603.25	127	203.2	85.7	209.6	419.1	285.8	65	35	M 30(4)	1.1/4(4)	360	130	170	22334 CC	10/360 1	
SAF 336	7.13/16	198.44	6.7/16	174.62	795	645	133	210	88.9	225.4	470	286	65	35	M 30(4)	1.1/4(4)	380	136	222	22336 CC	10/380 1	
SAF338	8.3/8	212.72	7.1/4	184.15	831.8	668.3	133.4	222.2	95.2	241.3	473.1	304.8	70	42	M 36(4)	1.1/4(4)	400	142	229	22338 CC	10/400 1	
SAF 340	8.3/4	222.25	7.5/8	193.68	870	710	140	229	101.6	250.8	513	311	70	42	M 36(4)	1.1/4(4)	420	148	262	22340 CC	10/420 1	

SAF TIGHTENING TORQUE



Bearing Housing Designation	Values for Foundation Bolts		
	Bolt Size		Tightening torque Nm
	Inch	Metric	
SAF 505	1/2	M12	80
SAF 506	1/2	M12	80
SAF 507	1/2	M12	80
SAF 509	1/2	M12	80
SAF 510	1/2	M12	80
SAF 511	5/8	M16	200
SAF 512	5/8	M16	200
SAF 513	5/8	M16	200
SAF 515	5/8	M16	200
SAF 516	3/4	M20	385
SAF 517	3/4	M20	385
SAF 518	3/4	M20	385
SAF 519	3/4	M20	385
SAF 520	7/8	M22	530
SAF 522	7/8	M22	530
SAF 524	3/4	M20	385
SAF 526	3/4	M20	385
SAF 528	7/8	M22	530
SAF 529	1	M24	665
SAF 530	1	M24	665
SAF 532	1	M24	665
SAF 534	1	M24	665
SAF 536	1	M24	665
SAF 538	1-1/4	M30	1310
SAF 540	1-1/4	M30	1310
SAF 544	1-1/4	M30	1310
SAF 216	3/4	M20	385
SAF 217	3/4	M20	385
SAF 218	3/4	M20	385
SAF 219	3/4	M20	530
SAF 220	7/8	M22	530
SAF 222	3/4	M20	385
SAF 224	3/4	M20	385
SAF 226	7/8	M22	530
SAF 228	1	M24	665
SAF 230	1	M24	665
SAF 232	1	M24	665
SAF 234	1	M24	665
SAF 236	1	M24	665
SAF 238	1-1/4	M30	1310
SAF 240	1-1/4	M30	1310

Bearing Housing Designation	Values for Foundation Bolts		
	Bolt Size		Tightening torque Nm
	Inch	Metric	
SAF 605	1/2	M12	80
SAF 606	1/2	M12	80
SAF 608	1/2	M12	80
SAF 609	5/8	M16	200
SAF 610	5/8	M16	200
SAF 611	5/8	M16	200
SAF 612	5/8	M16	200
SAF 613	3/4	M20	385
SAF 614	3/4	M20	385
SAF 615	3/4	M20	385
SAF 616	3/4	M20	385
SAF 617	1	M24	665
SAF 618	3/4	M20	385
SAF 620	3/4	M20	385
SAF 622	1	M24	665
SAF 624	1	M24	665
SAF 626	1	M24	665
SAF 628	1	M24	665
SAF 630	1	M24	665
SAF 632	1-1/4	M30	1310
SAF 634	1-1/4	M30	1310
SAF 636	1-1/4	M30	1310
SAF 638	1-3/8	M36	2280
SAF 640	1-3/8	M36	2280
SAF 308	1/2	M12	80
SAF 309	5/8	M16	200
SAF 310	5/8	M16	200
SAF 311	5/8	M16	200
SAF 312	5/8	M16	200
SAF 313	3/4	M20	385
SAF 314	3/4	M20	385
SAF 315	3/4	M20	385
SAF 316	3/4	M20	385
SAF 317	1	M24	665
SAF 318	3/4	M20	385
SAF 320	3/4	M20	385
SAF 322	1	M24	665
SAF 324	1	M24	665
SAF 326	1	M24	665
SAF 328	1	M24	665
SAF 330	1	M24	665
SAF 332	1-1/4	M30	1310
SAF 334	1-1/4	M30	1310
SAF 336	1-1/4	M30	1310
SAF 338	1-3/8	M36	2280
SAF 340	1-3/8	M36	2280

SDAF SERIES BEARING HOUSINGS

SDAF series housing is heavy-duty housing for inch size shaft. It is a compliment type to the SAF series. The overall dimensions were defined in inches. However, with updated demand in industries, SDAF can be made suitable for metric series bearings and it is available in metric series also which is fully suitable for various bearings.

As a higher-range series, this housing is a heavy-duty design. SDAF housing is suitable to withstand heavy impact and shock loads due to its robust construction. It has an extra heavy base to support bearing loads. Four elongated bolt holes are provided in the base for stronger installation. For efficient sealing a triple seal type Labyrinth seal is provided.



SDAF SERIES BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

- Construction of SDAF is improved with the bottom base design, one wider rib is provided in the middle inside bottom. This adds strength to the SDAF series.
- SDAF Series is horizontally split type bearing housing.
- The limiting sizes are shaft diameter 5-5/16 inches (150.81mm) to 7-15/16 inches (201.61mm). Similarly for metric size bearing suitable SDAF housings for shaft diameter ranges is available.
- For the located bearing option in an axial direction, the provision for locating ring is made. As per bearing width, one or two locating rings are used.
- For standard SDAF grease lubrication is used. A grease nipple is provided on top for relubrication. An oil lubricating SDAF can also be supplied on demand.
- For the SDAF series Triple groove type Labyrinth seal is available:
I. Labyrinth Seal : TS
- On both sides of the housing at the bottom sides, a Drain Plug is provided for removing contaminated grease during maintenance.
- For the closed-end option of housing, provision for an End Cover is made. (ATA)
- Four-dimensional Series are available in SDAF housings:
SDAF 500 - suitable for bearing SERIES 222...CCK with adapter sleeve.
SDAF 600 - suitable for bearing SERIES 223...CCK with adapter sleeve.
SDAF 200 - suitable for bearing SERIES 222...CC with cylindrical bore.
SDAF 300 - suitable for bearing SERIES 223...CC with cylindrical bore.
Up on demand, SDAF housing of larger bearing can be supplied, eg. SDAF 23196 developed.
- Material for SDAF series:
The following options are available, which allow a 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)



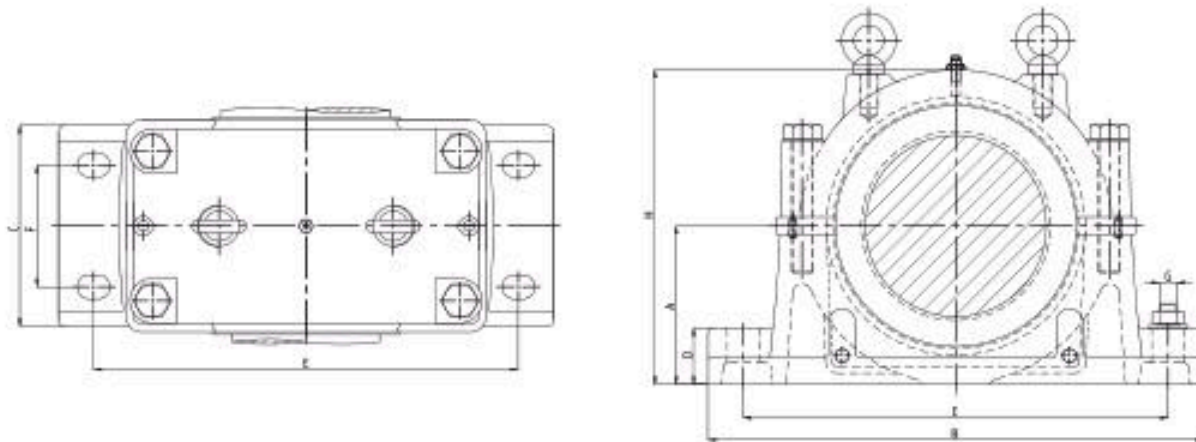
Top View



Bottom View

SDAF 200 SERIES

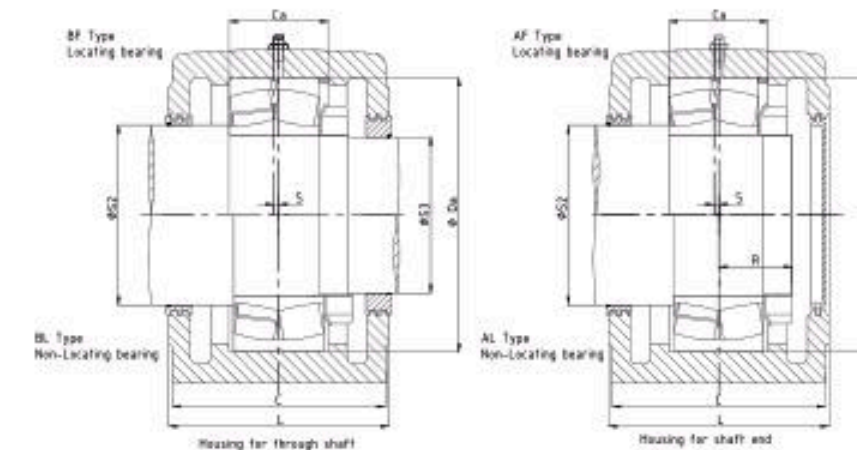
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Plummer Block Housing Designation	Shaft Dia.		Bearing Designation	Dimensions										
	S-2 mm	S-3		A mm	B mm	C mm	D mm	E mm	F mm	H mm	L mm	N mm	N1 mm	R mm
SDAF 220	114.3	96.84	22220 CC/W33	114.3	387.4	152.4	47.6	314.35	85.7	227	171.4	36	22	48.8
SDAF 222	123.82	106.36	22222 CC/W33	125.4	419.1	171.4	54	344.5	101.6	250.8	184.2	40	26	54
SDAF 224	134.94	115.89	22224 CC/W33	133.4	419.1	174.6	57.2	352.45	104.8	266.7	187.3	40	26	57.9
SDAF 226	149.22	125.41	22226 CC/W33	152.4	466.7	190.5	60.3	388.95	114.3	301.6	203.2	40	28	62.7
SDAF 228	158.75	134.93	22228 CC/W33	152.4	511.7	190.5	60.3	420.6	144.3	306.3	182.5	40	28	66.3
SDAF 230	168.28	146.05	22230 CC/W33	160.3	539.8	200	63.5	447.7	120.6	319.1	212.7	65	35	70.2
SDAF 232	177.8	153.99	22232 CC/W33	169.9	558.8	209.6	63.5	465.15	127	341.3	222.2	65	35	75.4
SDAF 234	188.91	163.51	22234 CC/W33	179.4	628.6	228.6	63.5	520.7	139.7	362	244.5	65	35	79.4
SDAF 236	198.44	174.62	22236 CC/W33	190.5	679.4	238.1	69.8	565.15	149.2	385.8	254	65	35	79.8
SDAF 238	212.72	184.15	22238 CC/W33	200	701.7	254	76.2	571.5	158.8	406.4	269.9	65	35	83.7
SDAF 240	222.25	193.68	22240 CC/W33	209.6	703.2	266.7	82.6	609.6	171.4	428.6	282.6	70	42	88.9
SDAF 244	242.89	211.14	22244 CC/W33	241.3	812.8	285.8	88.9	679.45	184.2	482.6	301.6	70	42	92.1

SDAF 200 SERIES

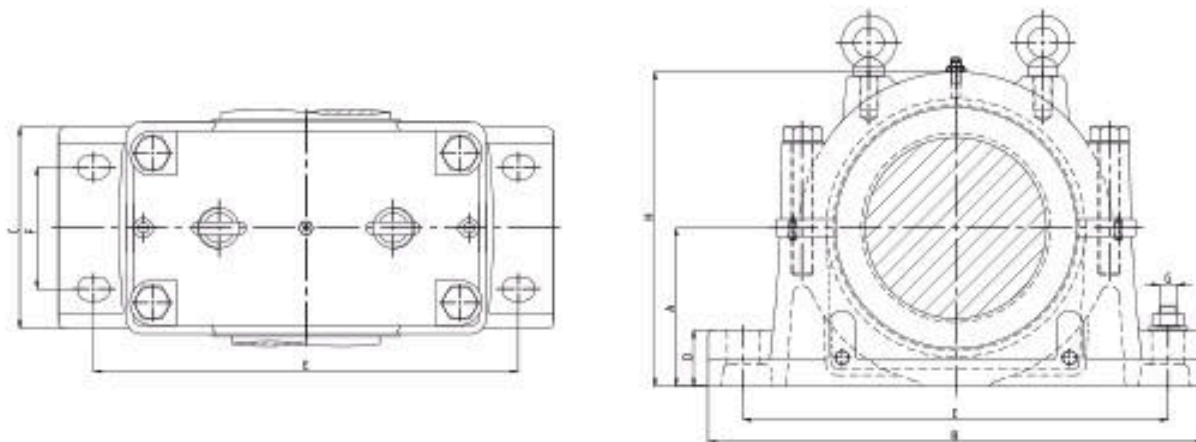
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Shaft Dia.		Foundation Bolts (No. Required)		Bearing Seat width		Approx Weight Kg	Stabilizing Ring	
S-2 mm	S-3 mm	mm	inches	Ca mm	Da mm		Size	Nos.
114.3	96.84	(4)-M20	(4)-3/4	56	180	34.5	10/180	1
123.82	106.36	(4)-M24	(4)-7/8	63	200	45.5	10/200	1
134.94	115.89	(4)-M24	(4)-7/8	68	215	54.5	10/215	1
149.22	125.41	(4)-M24	(4)-1	74	230	72.5	10/230	1
158.75	134.93	(4)-M24	(4)-1	78	250	79.5	10/250	1
168.28	146.05	(4)-M30	(4)-1 1/8	83	270	90.5	10/270	1
177.8	153.99	(4)-M30	(4)-1 1/8	90	290	115	10/290	1
188.91	163.51	(4)-M30	(4)-1 1/4	96	310	140	10/310	1
198.44	174.62	(4)-M30	(4)-1 1/4	96	320	165	10/320	1
212.72	184.15	(4)-M30	(4)-1 1/8	102	340	185	10/340	1
222.25	193.68	(4)-M36	(4)-1 3/8	108	360	220	10/360	1
242.89	211.14	(4)-M36	(4)-1 1/2	128	400	290	10/400	2

SDAF 300 SERIES

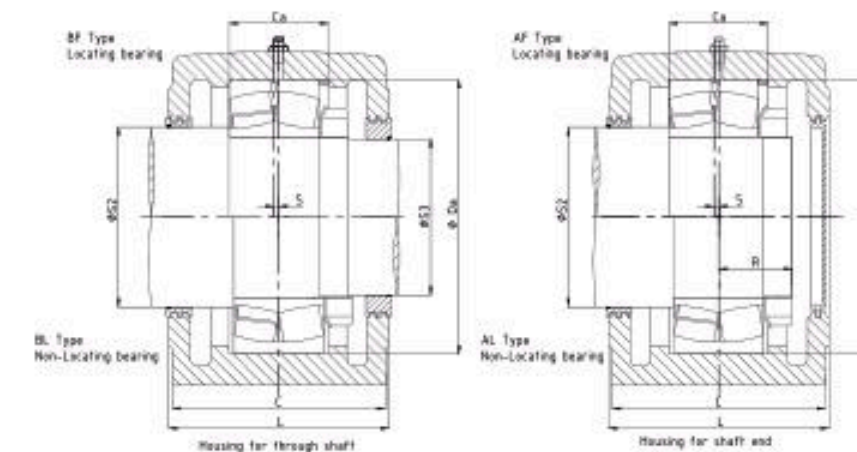
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Plummer Block Housing Designation	Shaft Dia.		Bearing Designation	Dimensions										
	S-2 mm	S-3		A mm	B mm	C mm	D mm	E mm	F mm	H mm	L mm	N mm	N1 mm	R mm
SDAF 316	92.08	76.2	22316 CC/W33	108	362	139.7	44.4	295.3	82.6	209.6	161.9	45	22	49.2
SDAF 317	100.01	80.96	22317 CC/W33	114.3	387.4	152.4	47.6	314.35	85.7	227	171.4	45	22	52.4
SDAF 318	104.78	85.72	22318 CC/W33	120.6	393.7	155.6	50.8	323.85	92.1	239.7	174.6	45	26	55.6
SDAF 320	114.3	96.84	22320 CC/W33	133.4	419.1	174.6	57.2	352.45	104.8	266.7	187.3	45	26	61.9
SDAF 322	123.82	106.36	22322 CC/W33	152.4	466.7	190.5	60.3	388.95	114.3	301.6	203.2	46	28	66.7
SDAF 324	134.94	115.89	22324 CC/W33	160.3	539.8	200	63.5	447.7	120.6	319.1	212.7	65	35	71.4
SDAF 326	149.22	125.41	22326 CC/W33	169.9	558.8	209.6	63.5	465.15	127	341.3	222.2	65	35	76.2
SDAF 328	158.75	134.94	22328 CC/W33	179.4	628.8	228.6	63.5	520.7	139.7	362	238.1	65	35	82.6
SDAF 330	168.28	146.05	22330 CC/W33	190.5	679.4	238.1	69.8	565.15	149.2	385.8	247.6	65	35	87.3
SDAF 332	177.8	153.99	22332 CC/W33	200	701.7	254	76.2	571.5	158.8	406.4	269.9	65	35	92.1
SDAF 334	188.91	163.51	22334 CC/W33	209.6	730.2	266.7	82.6	609.6	171.4	428.6	282.6	70	42	95.2
SDAF 336	198.44	174.62	22336 CC/W33	225.4	774.7	273	82.6	641.35	174.6	455.6	288.9	70	42	98.4
SDAF 338	212.72	184.15	22338 CC/W33	241.3	812.8	285.8	88.9	679.45	184.2	482.6	301.6	80	42	103.2
SDAF 340	222.25	193.68	22340 CC/W33	250.8	850.9	298.4	88.9	709.65	193.7	501.6	314.3	80	42	108

SDAF 300 SERIES

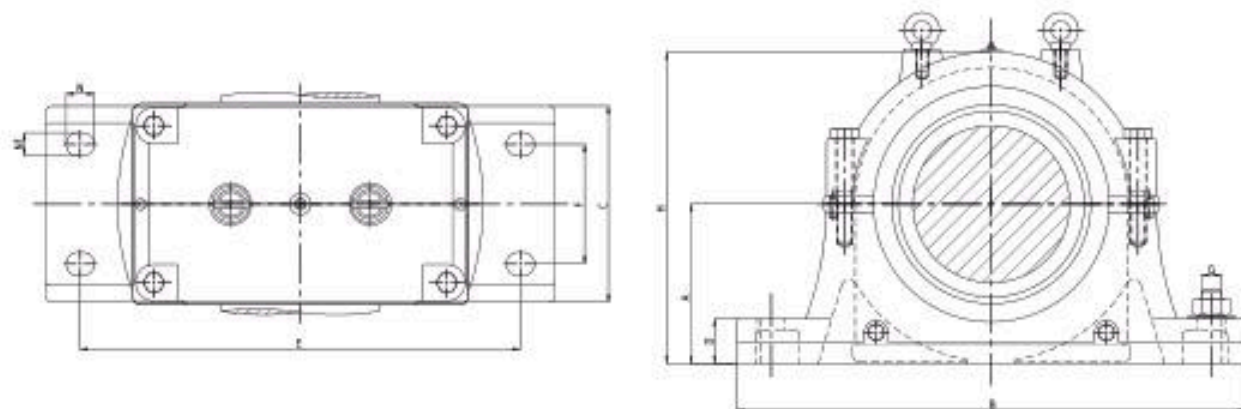
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Shaft Dia.		Foundation Bolts (No. Required)		Bearing Seat width		Approx Weight Kg	Stabilizing Ring	
S-2 mm	S-3 mm	G mm	inches	Ca mm	Da mm		Size	Nos.
92.08	76.2	(4)-M20	(4)-5/8	68	170	31	10/170	1
100.01	80.96	(4)-M20	(4)-5/8	70	180	37.5	10/180	1
104.78	85.72	(4)-M24	(4)-3/4	74	190	44.5	10/190	1
114.3	96.84	(4)-M24	(4)-3/4	83	215	59	10/215	1
123.82	106.36	(4)-M24	(4)-1	90	240	77	10/240	1
134.94	115.89	(4)-M30	(4)-1 1/8	96	260	95.5	10/260	1
149.22	125.41	(4)-M30	(4)-1 1/8	103	280	120	10/280	1
158.75	134.94	(4)-M30	(4)-1 1/8	112	300	145	10/300	1
168.28	146.05	(4)-M30	(4)-1 1/4	118	320	175	10/320	1
177.8	153.99	(4)-M30	(4)-1 1/4	124	340	200	10/340	1
188.91	163.51	(4)-M36	(4)-1 3/8	130	360	230	10/360	1
198.44	174.62	(4)-M36	(4)-1 3/8	136	380	275	10/380	1
212.72	184.15	(4)-M40	(4)-1 1/2	142	400	315	10/400	1
222.25	193.68	(4)-M40	(4)-1 5/8	148	420	350	10/420	1

SDAF 500 SERIES

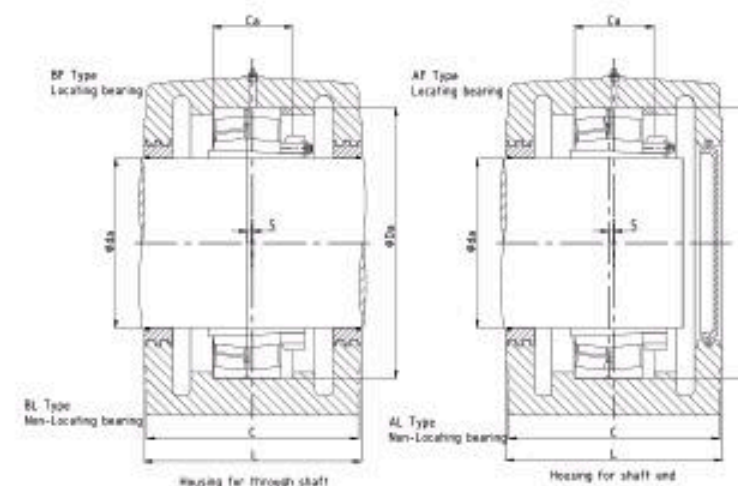
Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



Plummer Block Housing Designation	Shaft Dia. da mm	Bearing Designation	Dimensions										
			A mm	B mm	C mm	D mm	E mm	F mm	H mm	L mm	N mm	N1 mm	R mm
SDAF 520	87.31	22220 CCK/W33	114.3	387.4	152.4	47.6	314.35	85.7	227	171.4	36	22	48.8
SDAF 522	100.01	22222 CCK/W33	125.4	419.1	171.4	54	344.5	101.6	250.8	184.2	40	26	54
SDAF 524	106.36	22224 CCK/W33	133.4	419.1	174.6	57.2	352.45	104.8	266.7	187.3	40	26	57.9
SDAF 526	112.71	22226 CCK/W33	152.4	466.7	190.5	60.3	388.95	114.3	301.6	203.2	40	28	62.7
SDAF 528	125.41	22228 CCK/W33	152.4	511.17	190.5	60.3	420.6	114.3	301.6	203.2	40	28	66.3
SDAF 530	131.76	22230 CCK/W33	160.3	539.8	200	63.5	447.7	120.7	319.1	212.7	65	35	70.2
SDAF 532	138.11	22232 CCK/W33	169.9	558.8	209.6	63.5	465.15	127	341.3	222.2	65	35	75.4
SDAF 534	150.81	22234 CCK/W33	179.4	626.6	228.6	63.5	520.7	139.7	362	244.5	65	35	79.4
SDAF 536	163.51	22236 CCK/W33	190.5	679.4	238.1	69.8	565.15	149.2	385.8	254	65	35	79.8
SDAF 538	176.21	22238 CCK/W33	200	701.7	254	76.2	571.5	158.8	406.4	269.9	65	35	83.7
SDAF 540	182.56	22240 CCK/W33	209.6	730.2	266.7	82.6	609.6	171.4	428.6	282.6	70	42	88.9
SDAF 544	201.61	22244 CCK/W33	241.3	812.8	285.8	88.9	679.45	184.2	482.6	301.6	70	42	92.1

SDAF 500 SERIES

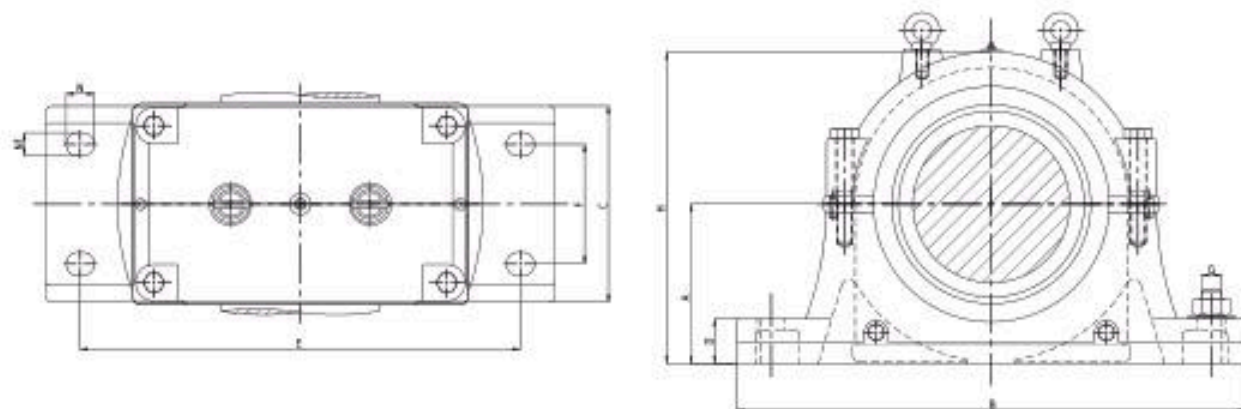
Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



Shaft Dia. da mm	Foundation Bolts (No. Required)		Bearing Seat width		Approx Weight Kg	Stabilizing Ring	
	G mm	inches	Ca mm	Da mm		Size	Nos.
87.31	(4)-M20	(4)-3/4	56	180	36.5	10/180	1
100.01	(4)-M24	(4)-7/8	63	200	47.5	10/200	1
106.36	(4)-M24	(4)-7/8	68	215	56.5	10/215	1
112.71	(4)-M24	(4)-1	74	230	75	10/230	1
125.41	(4)-M24	(4)-1	78	250	85	10/250	1
131.76	(4)-M30	(4)-1 1/8	83	270	97.5	10/270	1
138.11	(4)-M30	(4)-1 1/8	90	290	120	10/290	1
150.81	(4)-M30	(4)-1 1/4	96	310	150	10/310	1
163.51	(4)-M30	(4)-1 1/4	96	320	170	10/320	1
176.21	(4)-M30	(4)-1 3/8	102	340	195	10/340	1
182.56	(4)-M36	(4)-1 3/8	108	360	230	10/360	1
201.61	(4)-M36	(4)-1 1/2	128	400	310	10/400	2

SDAF 600 SERIES

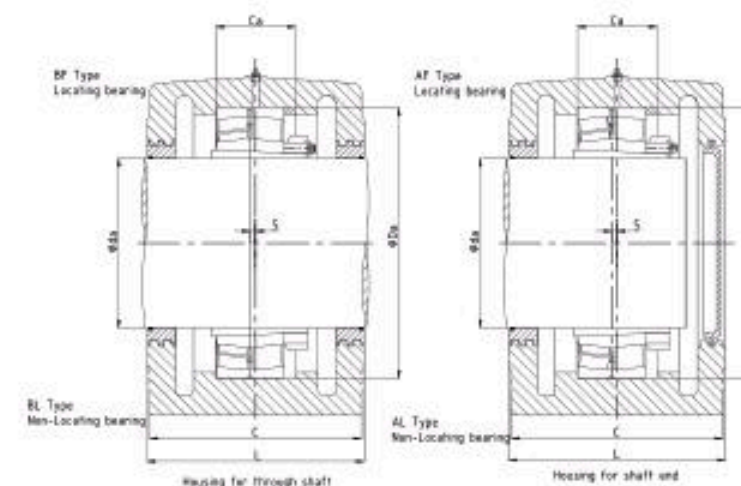
Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



Plummer Block Housing Designation	Shaft Dia. da mm	Bearing Designation	Dimensions										
			A mm	B mm	C mm	D mm	E mm	F mm	H mm	L mm	N mm	N1 mm	R mm
SDAF 616	68.28	22316 CCK/W33	108	362	139.7	44.4	295.3	82.6	209.6	161.9	45	22	49.2
SDAF 617	74.61	22317 CCK/W33	114.3	387.4	152.4	47.6	314.35	85.7	227	171.4	45	22	52.4
SDAF 618	80.96	22318 CCK/W33	120.6	393.7	155.6	50.8	323.85	92.1	239.7	174.6	45	26	55.6
SDAF 620	87.31	22320 CCK/W33	133.4	419.1	174.6	57.2	352.45	104.8	266.7	187.3	45	26	61.9
SDAF 622	100.01	22322 CCK/W33	152.4	466.7	190.5	60.3	388.95	114.3	301.6	203.2	46	28	66.7
SDAF 624	106.36	22324 CCK/W33	160.3	539.8	200	63.5	447.7	120.6	319.1	212.7	65	35	71.4
SDAF 626	112.71	22326 CCK/W33	169.9	558.8	209.6	63.5	465.15	127	341.3	222.2	65	35	76.2
SDAF 628	125.41	22328 CCK/W33	179.4	628.6	228.6	63.5	520.7	139.7	362	238.1	65	35	82.6
SDAF 630	131.76	22330 CCK/W33	190.5	679.4	238.1	69.8	565.15	149.2	385.8	247.6	65	35	87.3
SDAF 632	138.11	22332 CCK/W33	200	701.7	254	76.2	571.5	158.8	406.4	269.9	65	35	92.1
SDAF 634	150.81	22334 CCK/W33	209.6	730.2	266.7	82.6	609.6	171.4	428.6	282.6	70	42	95.2
SDAF 636	163.51	22336 CCK/W33	225.4	774.7	273	82.6	641.35	174.6	455.6	288.9	70	42	100
SDAF 638	176.21	22338 CCK/W33	241.3	812.8	285.8	88.9	679.45	184.2	482.6	301.6	80	42	103.2
SDAF 640	182.56	22340 CCK/W33	250.8	850.9	298.4	88.9	709.65	193.7	501.6	314.3	80	42	108

SDAF 600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



Shaft Dia. da mm	Foundation Bolts (No. Required)		Bearing Seat width		Approx Weight Kg	Stabilizing Ring Size Nos.
	G mm	inches	Ca mm	Da mm		
68.28	(4)-M20	(4)-5/8	68	170	32	10/170 1
74.61	(4)-M20	(4)-3/4	70	180	38	10/180 1
80.96	(4)-M24	(4)-3/4	74	190	45.5	10/190 1
87.31	(4)-M24	(4)-7/8	83	215	59	10/215 1
100.01	(4)-M24	(4)-1	90	240	81.5	10/240 1
106.36	(4)-M30	(4)-1 1/8	96	260	97.5	10/260 1
112.71	(4)-M30	(4)-1 1/8	103	280	120	10/280 1
125.41	(4)-M30	(4)-1 1/4	112	300	150	10/300 1
131.76	(4)-M30	(4)-1 1/4	118	320	185	10/320 1
138.11	(4)-M30	(4)-1 3/8	124	340	205	10/340 1
150.81	(4)-M36	(4)-1 3/8	130	360	240	10/360 1
163.51	(4)-M36	(4)-1 1/2	136	380	285	10/380 1
176.21	(4)-M40	(4)-1 1/2	142	400	320	10/400 1
182.56	(4)-M40	(4)-1 5/8	148	420	365	10/420 1

SOFN SERIES BEARING HOUSINGS

When a high-speed and high-running temperature with continuous services without any stoppage is the requirement, SOFN housings are the first choice that fulfills all these operating conditions. SOFN housing is designed keeping in mind, severe operating conditions observed in Fan industries. It is capable of handling heavy loads principally in the radial and axial direction with an added advantage for loads coming in an inclined direction also.

In SOFN housing design, only oil lubrication is considered since it justifies to support bearing under such severe application to provide uninterrupted running of the drive system. To get the best out of Oil Lubrication, the Oil Splash system is used with the help of an Oil Splash ring inside the housing. The Oil Splash ring continuously rotates with the shaft freely spreading oil inside the housing. A deep oil sump is provided inside the base where the oil ring is dipped while rotating resulting in a heavy splash of lubricating oil into the bearing inside the housing. This arrangement makes very efficient lubrication for SOFN housing running at high speed and temperature.

It is equally important to control oil leakage from SOFN housing. For this purpose, a specially designed grooved Sealing Collar is provided which imparts good lubricant retention and high resistance to the ingress of contaminants resulting in this housing optimized performance and extended service life of bearing and lubricant.

All the above features make SOFN series most versatile and suitable for continuous and heavy-load applications, which may generate vibrations and temperature due to running conditions. SOFN is preferred to support huge Industrial fans and is popular in Cement, Mining, Steel and Power Industries.



SOFN SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

- They are horizontally split housing which helps easy assembly and maintenance for heavy-duty bearing installations. At each side of the housing, a detachable cover is fitted using bolts for easy assembly. The proper gasket is put between the housing machine side and End Cover to prevent Oil Leakage.
- At the base four elongated slots are provided for a secured foundation while assembly. At the base, suitable space is available to drill holes after assembly at site and fit the dowel whenever required during installation. This arrangement makes installation and alignment during maintenance very easy.
- A shaft diameter of 50 mm to 240 mm is the limiting range for the use of suitable spherical roller bearings for this series.
- The SOFN housing can be supplied for located and non-located bearing options. The bearing seating width is obtained by machining the two side covers appropriately. When side covers are fitted to housing, correct bearing seating width obtained. No locating ring is used due to the heavy-duty application of the housing.
- Specially designed grooved sealing collars are used to prevent oil leakage. Assembly of SOFN housing must be done carefully putting various components properly to sit in position*. SOFN housing with all its components is shown in the picture.
*(For better results, trouble-free and correct assembly, the user may refer 'Assembly Manual' published by Masta)
- For shaft end option in the housing assembly, provision for an End Cover is available.
- These housings are suitable for spherical roller bearing series and can be modified for some spherical ball bearings also.

Four-dimensional Series are available in SOFN housings:

SOFN 500- suitable for bearing SERIES 222...CCK with adapter sleeve.

SOFN 600- suitable for bearing SERIES 223...CCK with adapter sleeve.

SOFN 200- suitable for bearing SERIES 222...CC with cylindrical bore.

SOFN 300- suitable for bearing SERIES 223...CC with cylindrical bore.

- Masta supplies Customized SOFN housing to cater specific need of the users.
 - For higher temperature application, SOFN housing can be provided metallic cooling coil inside the housing. From outside water inlet and outlet are provided to facilitate cooling of oil for better result.
 - Under the circumstance where application is hard pressed for maintenance time during plant shut-down, SOFN housing can be supplied with split end covers which are screwed together securely and which can help assembly easy and faster.
- For continuously recording the temperature and vibrations on SOFN housing suitable pads are provided, where suitable probe can be fitted to monitor the working condition of bearing.

Suitable Oil level indicator is fitted which shows Max and Min level of oil inside the housing. Drain Plugs are provided for removing contaminated oil without disturbing the assembly.

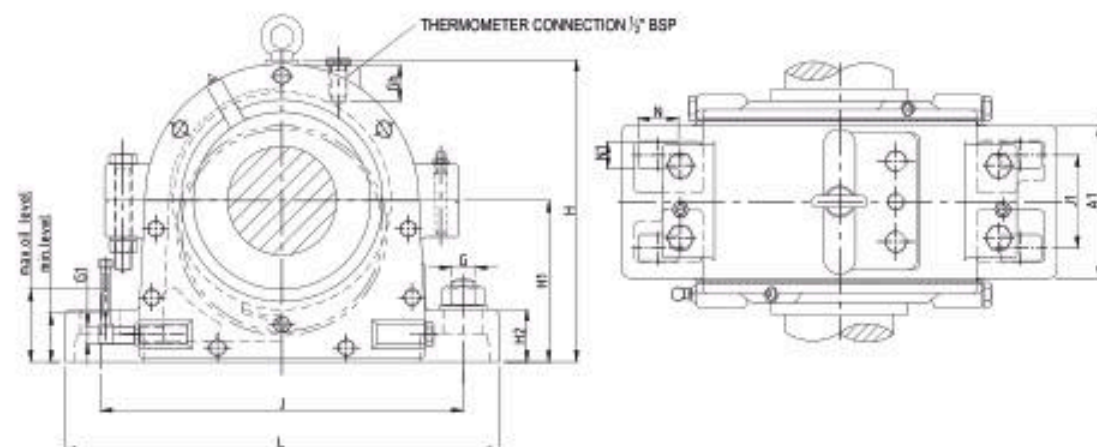
- Air Breather Plug is provided which enable hot air to escape which is generated during higher temperature rise while in operation.
- On cap of housing suitable oil inlet hole & (plug) is available which can be used to add oil when required. Also an external force feed oil lubricating system can be fitted to SOFN housing which can regulate continuously the oil flow to achieve desired temperature of oil.
- Material for SOFN series:

Following options are available, which allow user to select his suitability depending upon the loading condition for bearing housing.

- Graded Cast Iron : Gr FG 260 (IS 210)
- Cast Steel : Gr 230-450 (IS 1030)
- SG (Ductile) Iron : Gr 400/15 (IS 1865)

SOFN 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

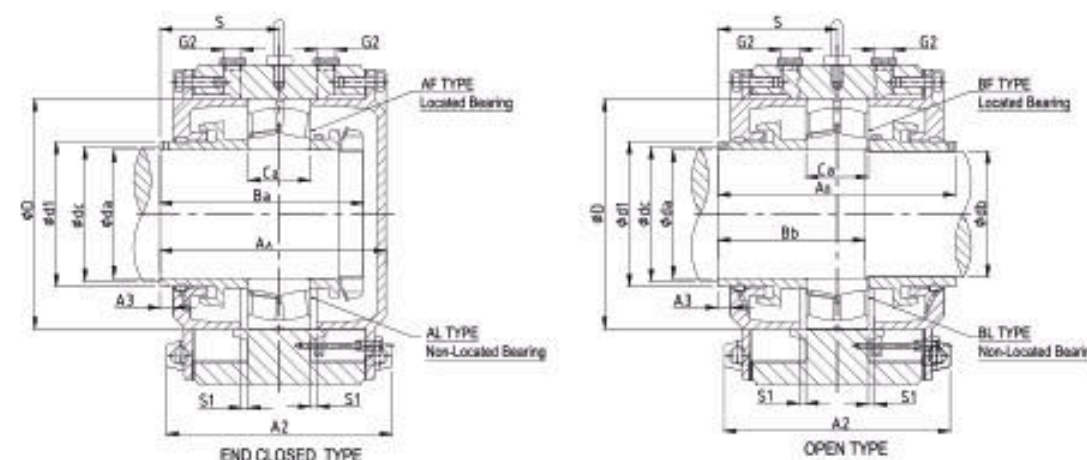


AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Bearing Housing Designation	Shaft diameter		dc min	Dimensions												
	da	dh		AA	AB	A1	A2	A3	G	Gh	H	H1	H2	J	J1	L
SOFN 310	50	49	56	142.5	150	92	145	7.5	M16	27	168	95	30	210	50	270
SOFN 311	55	53	61	147.5	155	95	148	7.5	M16	27	180	100	30	233	50	290
SOFN 212	60	58	66	142.5	150	92	145	7.5	M16	27	168	95	30	210	50	270
SOFN 312	60	58	66	162.5	170	100	152	7.5	M16	27	198	110	30	230	55	290
SOFN 213	65	63	71	147.5	155	95	148	7.5	M16	27	180	100	30	233	50	290
SOFN 313	65	63	71	172.5	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 214	70	68	76	162.5	170	100	152	7.5	M16	27	198	110	30	230	55	290
SOFN 314	70	65	76	172.5	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 215	75	73	81	162.5	170	100	152	7.5	M16	27	198	110	35	230	55	290
SOFN 315	75	73	81	180	190	120	190	10	M20	27	245	135	45	290	70	360
SOFN 216	80	78	86	172.5	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 316	80	78	86	199	214	135	210	15	M20	27	255	140	40	290	80	360
SOFN 217	85	83	91	172.5	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 317	85	83	91	206	206	130	205	10	M24	27	270	145	50	320	75	400
SOFN 218	90	88	96	180	190	120	190	10	M20	27	245	135	45	290	70	360
SOFN 318	90	88	96	225	240	165	246	15	M24	32	280	155	50	317	95	400
SOFN 219	95	93	101	192	200	135	210	8	M20	27	255	140	40	290	80	360
SOFN 319	95	93	101	216	229	145	216	13	M24	27	290	160	50	347	75	420
SOFN 220	100	98	106	196	206	130	205	10	M20	27	270	145	50	320	75	400
SOFN 320	100	98	108	255	270	170	245	15	M24	27	315	170	55	347	90	420

SOFN 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

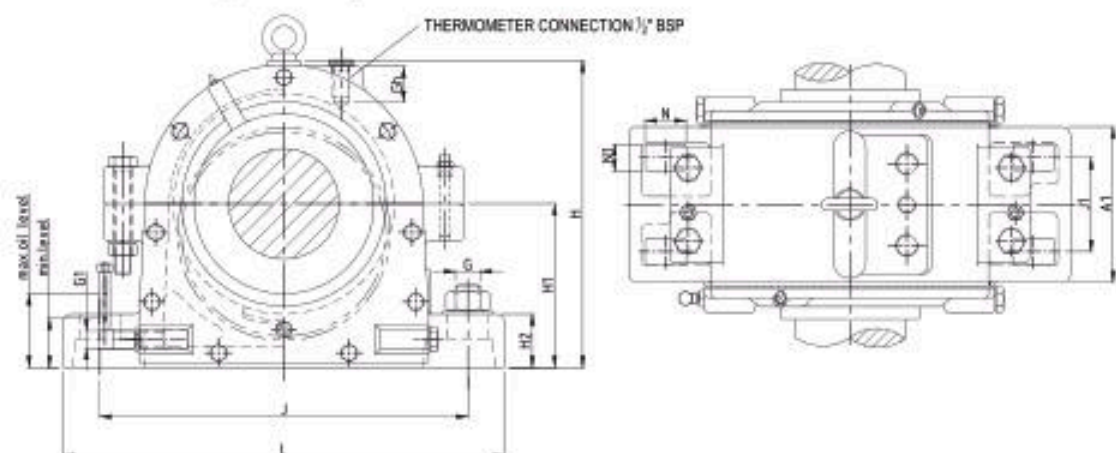


AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Dimensions											Suitable for Bearing	Oil Level	
N	N1	S	d1	S1	G1	G2	Ba	Bb	Ca	D		MAX	MIN
30	19	75	58	3	R1/4	R3/8	128	92	40	110	22310 CC	53	33
33	19	77.5	65	3	R1/4	R3/8	134	96	43	120	22311 CC	53	37
30	19	75	70	3	R1/4	R3/8	128	86	28	110	22212 CC		
34	19	85	70	5	R1/4	R3/8	147	105	46	130	22312 CC	60	40
34	19	77.5	75	3	R1/4	R3/8	134	90	31	120	22213 CC		
40	24	90	75	3	R1/4	R3/8	153	115	48	140	22313 CC		
34	19	85	80	5	R1/4	R3/8	136	98	31	125	22214 CC		
40	24	90	80	5	R1/4	R3/8	126	112	51	150	22314 CC	65	45
34	19	85	85	5	R1/4	R3/8	145	98	31	130	22215 CC		
40	24	95	85	5	R1/4	R3/8	161	119.5	55	160	22315 CC	65	50
40	24	90	90	5	R1/4	R3/8	149	103	33	140	22216 CC	68	55
40	24	107	95	5	R1/4	R3/8	181	133	58	170	22316 CC	73	45
40	24	90	96	5	R1/4	R3/8	150	105	36	150	22217 CC	63	42
45	28	103	96	5	R1/4	R1/2	188	130	60	180	22317 CC	0	0
40	24	95	100	5	R1/4	R3/8	161	112	40	160	22218 CC	68	45
45	28	120	104	5	R1/4	R1/2	198	148	64	190	22318 CC	80	55
40	24	100	105	5	R1/4	R3/8	171	118	43	170	22219 CC	70	50
45	28	114.5	105	5	R1/4	R1/2	211	148	67	200	22319 CC	0	0
45	28	103	110	5	R1/4	R3/8	177	123	46	180	22220 CC	70	50
45	28	135	115	8	R1/4	R1/2	226	168	73	215	22320 CC	85	57

SOFN 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

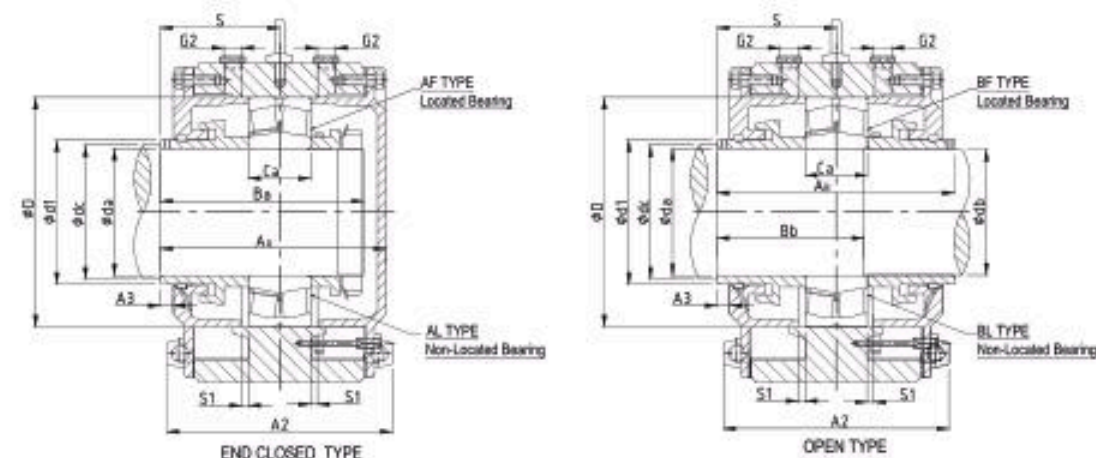


AL = Closed End, Loose Bearing
BL = Through Shaft, Loose Bearing
AF = closed End, Fixed Bearing
BF = through Shaft, Fixed Bearing

Bearing Housing Designation	Shaft diameter		dc min	Dimensions									
	da	db		AA	AB	A1	A2	A3	G	Gh	H	H1	H2
SOFN 222	110	116	116	216	229	145	216	13	M24	27	290	160	50
SOFN 322	110	118	118	270	290	190	265	20	M30	33	355	190	65
SOFN 224	120	126	126	258	276	170	245	18	M24	27	315	170	55
SOFN 324	120	128	128	285.5	306	190	265	20.5	M30	44	375	200	65
SOFN 226	130	138	138	255	270	180	260	15	M24	32	335	180	60
SOFN 326	130	140	140	300	320	205	285	20	M30	38	405	215	65
SOFN 228	140	148	148	265	280	190	265	15	M30	33	355	190	65
SOFN 328	140	150	150	320	340	220	300	20	M30	42	425	230	70
SOFN 230	150	158	158	265	280	190	265	15	M30	44	375	200	65
SOFN 330	150	168	168	335	350	240	320	15	M30	44	455	245	75
SOFN 232	160	168	168	298	316	205	280	18	M30	38	405	215	65
SOFN 332	160	178	178	350	370	250	335	20	M36	50	480	260	85
SOFN 234	170	180	180	330	350	230	310	20	M30	46	440	235	70
SOFN 334	170	188	188	358	378	260	350	20	M36	44	510	275	85
SOFN 236	180	196	196	340	360	240	320	20	M30	44	455	245	75
SOFN 336	180	198	198	384.5	404	280	370	19.5	M36	48	565	305	95
SOFN 238	190	208	208	350	370	250	335	20	M36	50	480	260	85
SOFN 240	200	218	218	358	378	260	350	20	M36	44	510	275	85
SOFN 244	220	238	238	384.5	404	280	370	19.5	M36	48	565	305	95
SOFN 248	240	258	258	400	420	290	380	20	M36	56	625	340	100
SOFN 252	258	260	280	410	430	300	390	20	M36	56	660	360	120
SOFN 256	280	275	310	485	510	350	480	25	M36	85	720	390	120

SOFN 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Cylindrical bore

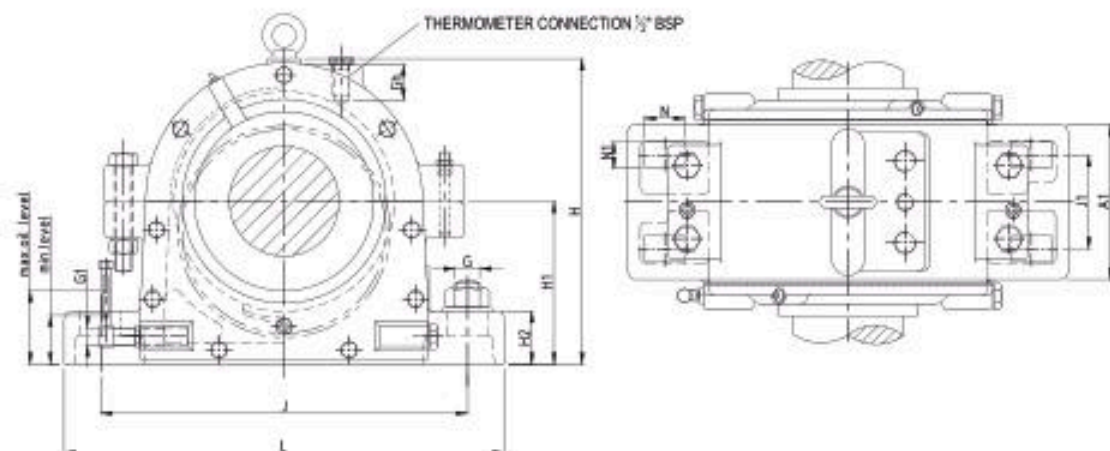


AL = Closed End, Loose Bearing
BL = Through Shaft, Loose Bearing
AF = closed End, Fixed Bearing
BF = through Shaft, Fixed Bearing

Dimensions														Suitable for Bearing	Oil Level	
J	J1	L	N	N1	S	D1	S1	G1	G2	Ba	Bb	Ca	D		MAX	MIN
347	75	420	45	28	114.5	120	5	R1/4	R1/2	192	138	53	200	22222 CC	77	50
415	100	500	45	35	145	130	8	R1/4	R3/4	243	180	80	240	22322 CC	95	67
347	90	420	45	28	138	135	8	R1/4	R1/2	225	164	58	215	22224 CC	80	60
450	115	540	50	35	153	140	8	R1/4	R3/4	254	192	86	260	22324 CC	100	65
377	100	450	45	28	135	145	8	R1/2	R1/2	226	164	64	230	22226 CC	85	60
470	120	560	50	35	160	150	8	R1/2	R3/4	265	202	93	280	22326 CC	105	70
415	100	500	45	35	140	160	8	R1/2	R3/4	234	170	68	250	22228 CC	85	60
510	120	630	60	35	170	165	8	R1/2	R3/4	287	215	102	300	22328 CC	115	70
450	115	540	50	35	140	170	8	R1/2	R3/4	239	173	73	270	22230 CC	90	60
545	150	650	65	35	175	175	10	R1/2	R3/4	292	225	108	320	22330 CC	120	75
470	120	560	50	35	158	178	10	R1/2	R3/4	266	193	80	290	22232 CC	95	65
590	150	720	70	42	185	190	10	R1/2	R3/4	315	240	114	380	22332 CC	125	80
515	130	610	55	35	175	195	10	R1/2	R3/4	290	213	86	310	22234 CC	105	75
600	160	730	70	42	189	197	12	R1/2	R3/4	321	244	120	360	22334 CC	130	85
545	150	650	65	35	180	205	10	R1/2	R3/4	296	218	88	320	22236 CC	115	80
670	180	820	80	42	202	210	12	R1/2	R3/4	342	260	126	380	22336 CC	155	90
590	150	720	70	42	185	220	12	R1/2	R3/4	317	226	92	340	22238 CC	120	85
600	160	730	70	42	189	227	12	R1/2	R3/4	315	233	98	360	22240 CC	125	85
670	180	820	80	42	202	255	12	R1/2	R3/4	342	251	108	400	22244 CC	140	95
740	190	900	80	42	210	270	12	R1/2	R3/4	360	266	120	440	22248 CC	155	110
780	200	940	80	42	215	290	12	R1/2	R3/4	370	278	130	480	22252 CC	170	120
810	210	1000	90	48	315	320	12	R1/2	R3/4	314	315	170	500	22256 CC	180	145

SOFN 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

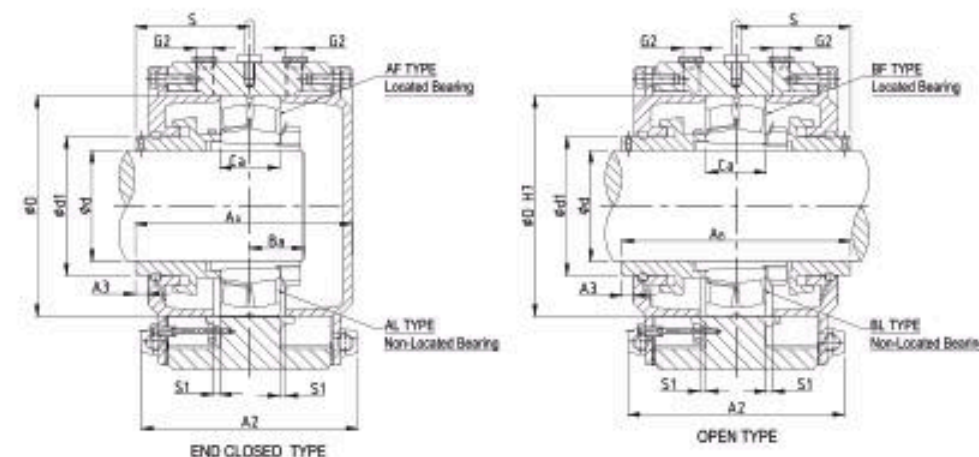


AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Bearing Housing Designation	Shaft dia. d	Dimensions												Oil Level MAX MIN
		AA	AB	A1	A2	A3	G	Gh	H	H1	H2	J	J1	
SOFN 610	45	142.5	150	92	145	7.5	M16	27	168	95	30	210	50	270
SOFN 611	50	147.5	155	95	148	7.5	M16	27	180	100	30	233	50	290
SOFN 512	55	162.5	150	92	145	7.5	M16	27	168	95	30	210	50	270
SOFN 612		162.5	170	100	152	7.5	M16	27	198	110	30	230	55	290
SOFN 513	60	140	155	95	148	7.5	M16	27	180	100	30	233	50	290
SOFN 613		172	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 515	65	172.5	170	100	152	7.5	M16	27	198	110	35	230	55	290
SOFN 615		162.5	190	120	190	10	M20	27	245	135	45	290	70	360
SOFN 516	70	180	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 616		199	214	135	210	15	M20	27	255	140	40	290	80	360
SOFN 517	75	172.5	180	110	182	7.5	M20	27	230	125	35	260	60	330
SOFN 617		206	206	130	205	10	M24	27	270	145	50	320	75	400
SOFN 518	80	180	190	120	190	10	M20	27	245	135	40	290	70	360
SOFN 618		225	240	165	246	15	M24	32	280	155	50	317	95	400
SOFN 519	85	192	200	135	210	8	M20	27	255	140	45	290	80	360
SOFN 619		216	229	145	219	13	M24	27	290	160	50	347	75	420
SOFN 520	90	196	206	130	205	10	M24	27	270	145	50	320	75	400
SOFN 620		255	270	170	245	15	M24	27	315	170	55	347	90	420

SOFN 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

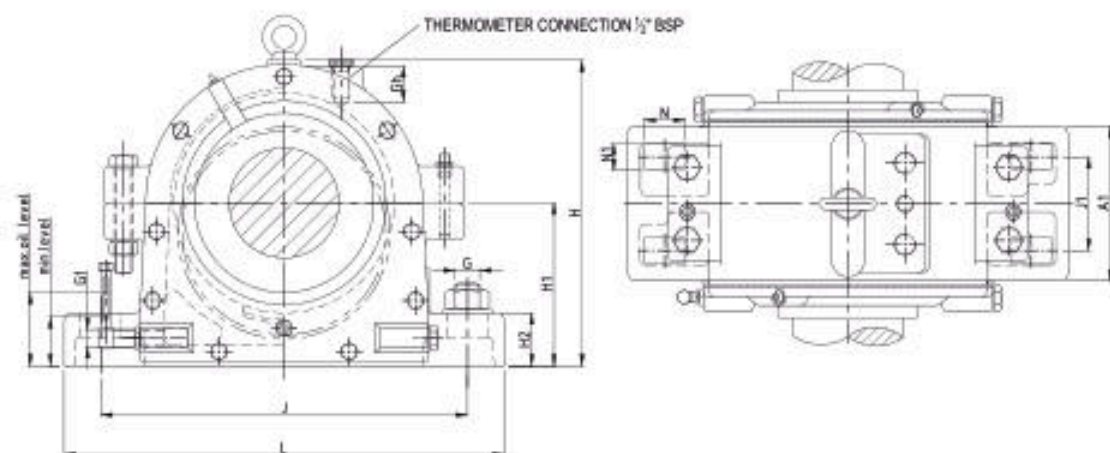


AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Dimensions										Bearing Adaptersleeve	Oil Level	
N	N1	S	d1	S1	G1	G2	Ba	Ca	D		MAX	MIN
30	19	75	58	3	R1/4	R3/8	36	40	110	22310 CCK H 2310	53	33
33	19	77.5	65	3	R1/4	R3/8	37	43	120	22311 CCK H 2311	53	37
30	19	75	70	3	R1/4	R3/8	0	28	110	22212 CCK H 312	0	0
34	19	85	70	5	R1/4	R3/8	40	46	130	22312 CCK H 2312	60	40
34	19	77.5	75	5	R1/4	R3/8	33	31	120	22213 CCK H 313	0	0
40	24	90	75	3	R1/4	R3/8	41	48	140	22313 CCK H 2313	0	0
34	19	85	85	5	R1/4	R3/8	34	31	130	22215 CCK H 315	55	40
40	24	95	85	5	R1/4	R3/8	0	55	160	22315 CCK H 2315	0	0
40	24	90	90	5	R1/4	R3/8	37	33	140	22216 CCK H 316	68	55
40	24	107	95	5	R1/4	R3/8	50	58	170	22316 CCK H 2316	73	45
40	24	90	96	5	R1/4	R3/8	40	36	150	22217 CCK H 317	63	42
45	28	103	96	5	R1/4	R1/2	0	60	180	22317 CCK H 2317	0	0
40	24	95	100	5	R1/4	R3/8	42	40	160	22218 CCK H 318	68	45
45	28	120	104	5	R1/4	R1/2	54	64	190	22318 CCK H 2318	80	55
40	24	100	105	5	R1/4	R3/8	44	43	170	22219 CCK H 320	70	50
45	28	114.5	105	5	R1/4	R1/2	56	67	200	22319 CCK H 2319	0	0
45	24	103	110	5	R1/4	R1/2	46	46	180	22220 CCK H 320	70	50
45	28	135	115	8	R1/4	R1/2	62	73	215	22320 CCK H 2320	85	57

SOFN 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves

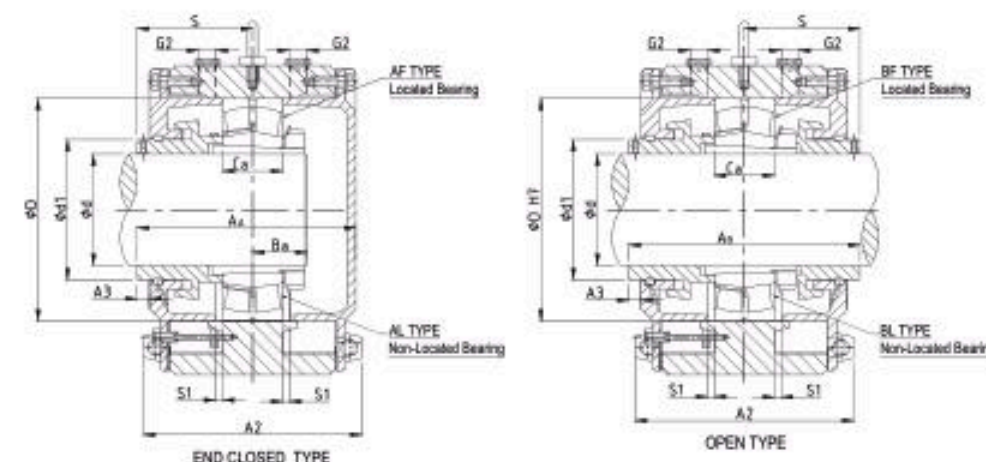


AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Bearing Housing Designation	Shaft dia. d	Dimensions											
		AA	AB	A1	A2	A3	G	Gh	H	H1	H2	J	J1
SOFN 522	100	216	229	145	216	13	M24	27	290	160	50	347	75
SOFN 622		270	290	190	265	20	M30	33	355	190	65	415	100
SOFN 524	110	258	276	170	245	18	M24	27	315	170	55	347	90
SOFN 624		285.5	306	190	265	20.5	M30	44	375	200	65	450	115
SOFN 526	115	255	270	180	260	15	M24	32	335	180	60	377	100
SOFN 626		300	320	205	285	20	M30	38	405	215	65	470	120
SOFN 528	125	265	280	190	265	15	M30	33	355	190	65	415	100
SOFN 628		320	340	220	300	20	M30	42	425	230	80	510	120
SOFN 530	135	265	280	190	265	15	M30	44	375	200	65	450	115
SOFN 630		335	350	240	320	15	M30	44	455	245	75	545	150
SOFN 532	140	298	316	205	280	18	M30	38	405	215	65	470	120
SOFN 632		350	370	250	335	20	M36	50	480	260	85	590	150
SOFN 534	150	330	350	230	310	20	M30	46	440	235	70	515	130
SOFN 634		358	378	260	350	20	M36	44	510	275	85	600	160
SOFN 536	160	340	360	240	320	20	M30	44	455	245	75	545	150
SOFN 636		384.5	404	280	370	19.5	M36	48	565	305	95	670	180
SOFN 538	170	350	370	250	335	20	M36	50	480	260	85	590	150
SOFN 540	180	358	378	260	350	20	M36	44	510	275	85	600	160
SOFN 544	200	384.5	404	280	370	19.5	M36	48	565	305	95	670	180
SOFN 548	220	400	420	290	380	20	M36	56	625	340	100	740	190
SOFN 552	240	410	430	300	390	20	M36	56	660	360	120	780	200
SOFN 556	260	485	510	350	480	25	M36	85	720	390	120	810	210

SOFN 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter sleeves



AL = Closed End, Loose Bearing AF=closed End, Fixed Bearing
BL= Through Shaft, Loose Bearing BF=through Shaft, Fixed Bearing

Dimensions											Bearing Adaptersleeve	Oil Level	
L	N	N1	S	S1	G1	G2	Ba	Ca	D			MAX	MIN
420	45	28	114.5	5	R1/4	R1/2	52	53	200	22222 CCK H 322		77	50
500	45	35	145	8	R1/2	R3/4	66	80	240	22322 CCK H 2322		95	67
420	45	28	138	8	R1/4	R1/2	56	58	215	22224 CCK H 3124		80	60
540	50	35	153	8	R1/2	R3/4	70	86	260	22324 CCK H 2324		100	65
450	45	28	135	8	R1/4	R1/2	58	64	230	22226 CCK H 3126		85	60
560	50	35	160	8	R1/2	R3/4	75	93	280	22326 CCK H 2326		105	70
500	45	35	140	8	R1/2	R3/4	63	68	250	22228 CCK H 3128		85	60
630	60	35	170	8	R1/2	R3/4	80	102	300	22328 CCK H 2328		115	70
540	50	35	140	8	R1/2	R3/4	66	73	270	22230 CCK H 3130		90	60
650	65	35	175	10	R1/2	R3/4	85	108	320	22330 CCK H 2330		120	75
560	50	35	158	10	R1/2	R3/4	73	80	290	22232 CCK H 3132		95	65
720	70	42	185	10	R1/2	R3/4	90	114	340	22332 CCK H 2332		125	80
610	55	35	175	10	R1/2	R3/4	77	86	310	22234 CCK H 3134		105	75
730	70	42	189	12	R1/2	R3/4	94	120	360	22334 CCK H 2334		130	80
650	65	35	180	10	R1/2	R3/4	78	86	320	22236 CCK H 3136		115	80
820	80	42	202	12	R1/2	R3/4	98	126	380	22336 CCK H 2336		155	90
720	70	42	185	12	R1/2	R3/4	82	92	340	22238 CCK H 3138		120	85
730	70	42	189	12	R1/2	R3/4	86	98	360	22240 CCK H 3140		125	85
820	80	42	202	12	R1/2	R3/4	95	108	400	22244 CCK H 3144		140	95
900	80	42	210	12	R1/2	R3/4	105	120	440	22248 CCK H 3148		155	110
940	80	42	215	12	R1/2	R3/4	114	130	480	22252 CCK H 3152		170	120
1000	90	48	315	12	R1/2	R3/4	170	130	500	22256 CCK H3156		180	145

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SOFN

Bearing Housing Designation	Values for Cap Bolts		Values for Foundation Bolts		Recommended Oil Filled Qty. Ltr.
	Bolt Size	Tightening torque Nm	Bolt Size	Tightening torque Nm	
SOFN 512-212	M10x60	50	M16	200	0.3
SOFN 513-213	M10x60	50	M16	200	0.4
SOFN 515-215	M10x60	50	M16	200	0.5
SOFN 516-216	M10x60	50	M20	385	0.6
SOFN 517-217	M10x70	50	M20	385	0.7
SOFN 518-218	M12x75	80	M20	385	0.8
SOFN 519-219	M12x80	80	M20	385	0.9
SOFN 520-220	M12x80	80	M24	665	1.0
SOFN 522-222	M12x80	80	M24	665	1.3
SOFN 524-224	M16x90	150	M24	665	1.7
SOFN 526-226	M16x100	150	M24	665	2.3
SOFN 528-228	M20x110	200	M30	1310	2.4
SOFN 530-230	M20x120	200	M30	1310	2.8
SOFN 532-232	M20x130	200	M30	1310	3.3
SOFN 534-234	M24x140	350	M30	1310	5.0
SOFN 536-236	M24x150	350	M30	1310	5.2
SOFN 538-238	M24x150	350	M36	2280	5.8
SOFN 540-240	M24x160	350	M36	2280	7.0
SOFN 544-244	M30x180	400	M36	2280	8.5
SOFN 548-248	M30x180	400	M36	2280	9.5

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SOFN



Bearing Housing Designation	Values for Cap Bolts		Values for Foundation Bolts		Recommended Oil Filled Qty. Ltr.
	Bolt Size	Tightening torque Nm	Bolt Size	Tightening torque Nm	
SOFN 610-310	M10x55	50	M16	200	0.3
SOFN 611-311	M10x60	50	M16	200	4.5
SOFN 612-312	M10x60	50	M16	200	0.5
SOFN 613-313	M12x70	80	M20	385	0.6
SOFN 614-314	M12x70	80	M20	385	0.6
SOFN 615-315	M12x75	80	M20	385	0.8
SOFN 616-316	M12x80	80	M20	385	1.0
SOFN 617-317	M12x75	80	M20	385	1.0
SOFN 618-318	M16x90	150	M24	665	1.4
SOFN 619-319	M16x90	150	M24	665	1.3
SOFN 620-320	M16x100	150	M24	665	1.8
SOFN 622-322	M16x100	150	M30	1310	2.0
SOFN 624-324	M20x110	200	M30	1310	2.8
SOFN 626-326	M20x130	200	M30	1310	3.4
SOFN 628-328	M24x140	350	M30	1310	4.2
SOFN 630-330	M24x140	350	M30	1310	6.0
SOFN 632-332	M24x150	400	M36	2280	6.5
SOFN 634-334	M24x160	400	M36	2280	7.5
SOFN 636-336	M30x180	400	M36	2280	10.5

SONL SERIES BEARING HOUSINGS

The development of SNL series proved a great impact to various industries in terms of its benefits and versatility making SNL Series cost effective and reliable yet offering many innovative features.

So advancing the development similarly with SNL series of bearing housing, the new and versatile bearing housing series, SONL offers many new features duly built in the design itself. In general we can say, SONL series is an advance version of SOFN series, maintains all working features with additional many features included to make SONL more adaptable. All boundary dimensions and foundation sizes are maintained in SONL housing, which make it very easy for fitment and adaption.

For SONL design the side covers are eliminated (like those provided in SOFN housings) which attracts many advantages in terms of ease of assembly, better alignment and avoidance of oil leakage.

TECHNICAL DETAIL AND PRODUCT FEATURE

- SONL housings are very stiff in construction making them stronger and yet simple in design. As a result, their assembly is faster and reliable on one hand where as their maintenance becomes easy and simple on the other hand.
- SONL housings are suitable for self-aligning ball bearing in 2200 series and spherical roller bearing in 22200 series. Limiting shaft size ranges from 75 mm to 240 mm.
- SONL housings are dimensionally interchangeable with SOFN housings without any problem. All features of SOFN are assembly as well as running are maintained in SONL housing. This makes this new series well acceptable in industries.



SONL SERIES BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

- SONL is a horizontally split housing, where cap and base are held together by suitable bolts. Dowel pins are used to enable a good alignment of cap and base repeatedly.
- For located bearing requirement, suitable locating rings are used
- SONL housings are designed for oil lubricated bearings. The well proven oil lubrication system of an Oil Pickup Ring is normally used in SONL housings. The oil pickup ring provides an unique oil splash inside SONL housing during running of shaft with bearing, resulting in excellent lubricate of bearing running even at high speed.
- In case when the speed and load are very high due to process requirements, the bearing temperature rises beyond specified safe limit. For such event, External Circulating Oil Lubrication system is provided for SONL housings, instead of oil pickup ring, which is not required then. In an external circulating oil lubrication system, the circulation is produced by using a pump. The inlet oil comes to SONL housing, it is passed thru bearing and then collected in an out side tank passing through heat exchanger. Then oil is filtered to remove foreign particles, cooled as required and again re-circulated to housing and bearing by pump. Various controls, valves, filters etc are put in the piping for trouble free functioning of system.
- It is noteworthy that, in the design itself, a deep oil reservoir is provided inside housing cavity which can hold large quantity of oil. This facility makes the oil pickup ring lubrication efficient to splash lubricants.
- For SONL housing a special sealing collar using labyrinth seal design is provided. The labyrinth grooves help the sealing effect by oil trap that return oil which is passed through labyrinth and back to reservoir in side SONL housing.

- End Cover is provided in SONL housings for shaft end option in assembly.
- SONL housing are supplied with standard accessories like Oil Level Indicator, Drain Plug, Oil Inlet Plug, Oil Outlet Plug, Lifting Hook/Eyebolt etc.
- Suitable connections/tappings are provided on the housing for fitment of temperature and vibration probes whenever required.
- For SONL series special type of Labyrinth seal is used.

Four-dimensional Series are available in SONL housings:

SONL 200/500 - suitable for bearing SERIES 2200K... with adapter sleeve.

SONL 200/500 - suitable for bearing SERIES 2200... with cylindrical bore.

SONL 200/500 - suitable for bearing SERIES 22200K... with adapter sleeve.

SONL 200/500 - suitable for bearing SERIES 22200... with cylindrical bore.

- Material for SONL series:

Following options are available, which allow user to select his suitability depending upon the loading condition for bearing housing.

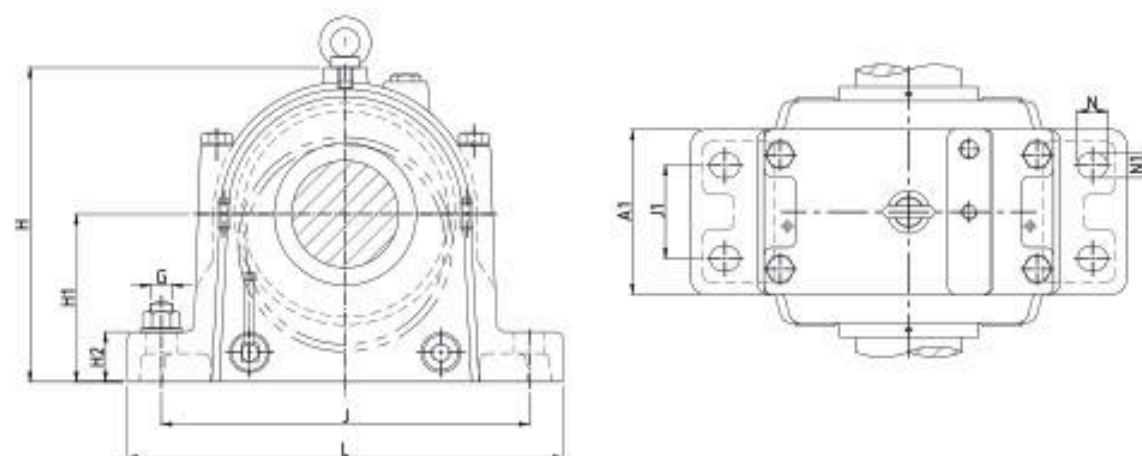
- Graded Cast Iron : Gr FG 260 (IS 210)
- Cast Steel : Gr 230-450 (IS 1030)
- SG (Ductile) Iron : Gr 400/15 (IS 1865)



Bottom View

SONL SERIES

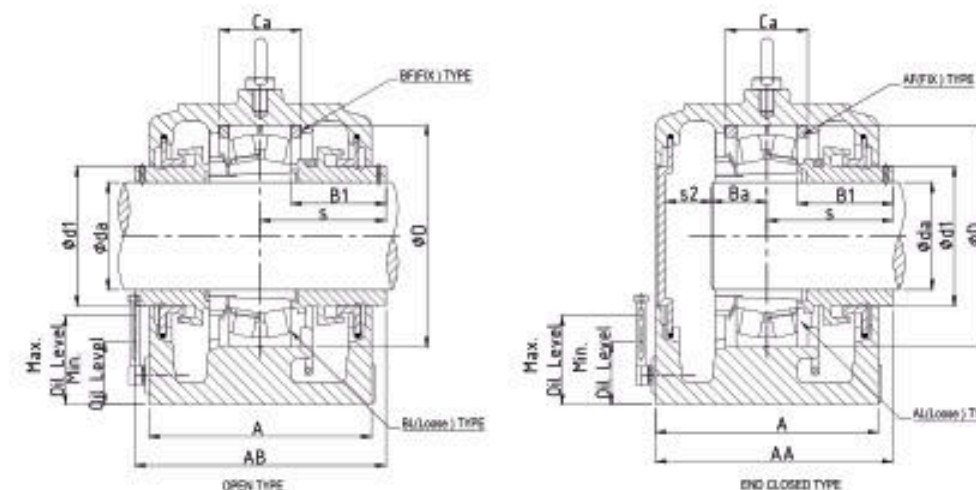
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Shaft da mm	Housing Dimension																		Oil Level	
	A	A1	AA	AB	H	H1	H2	J	J1	L	N	N1	G	S	d1	B1	s2	Ba	Min	Max.
75	163	110	172	180	230	125	35	260	60	330	28	22	20	90	96	72	19	40	48	63
80	170	120	180	190	245	135	45	290	70	360	28	22	20	95	100	75	19	42	48	68
90	186	130	196	206	270	145	50	320	75	400	32	26	24	103	112	80	25	47	53	70
100	213	145	221	229	290	160	50	347	75	420	32	26	24	114.5	120	88	32.5	52.5	53	77
110	245	170	261	276	315	170	55	347	90	420	32	26	24	138	135	109	47	56	63	80
115	255	180	263	270	335	180	60	377	100	450	35	28	24	135	145	103	43	60	63	85
125	260	190	270	280	355	190	65	415	100	500	42	35	30	140	160	106	42	63	63	85
135	260	190	270	280	375	200	65	450	115	540	42	35	30	140	170	103.5	37.5	67.5	63	90
140	278	205	297	316	406	215	65	470	120	560	42	35	30	158	178	118	42	73	68	95
150	310	230	330	350	440	235	70	515	130	610	42	35	30	175	195	132	54	77	80	105
160	-	240	-	360	455	245	-	545	150	650	-	-	30	180	-	-	-	78	85	115
170	-	250	-	370	480	260	-	590	150	720	-	-	36	185	-	-	-	82	88	120
180	338	260	358	378	510	275	85	600	160	730	50	42	36	189	227	140	51	86	88	125
200	-	280	-	404	565	305	-	670	180	820	-	-	36	202	-	-	-	95	-	-
220	-	290	-	420	625	340	-	740	190	900	-	-	36	210	-	-	-	105	-	-

SONL SERIES

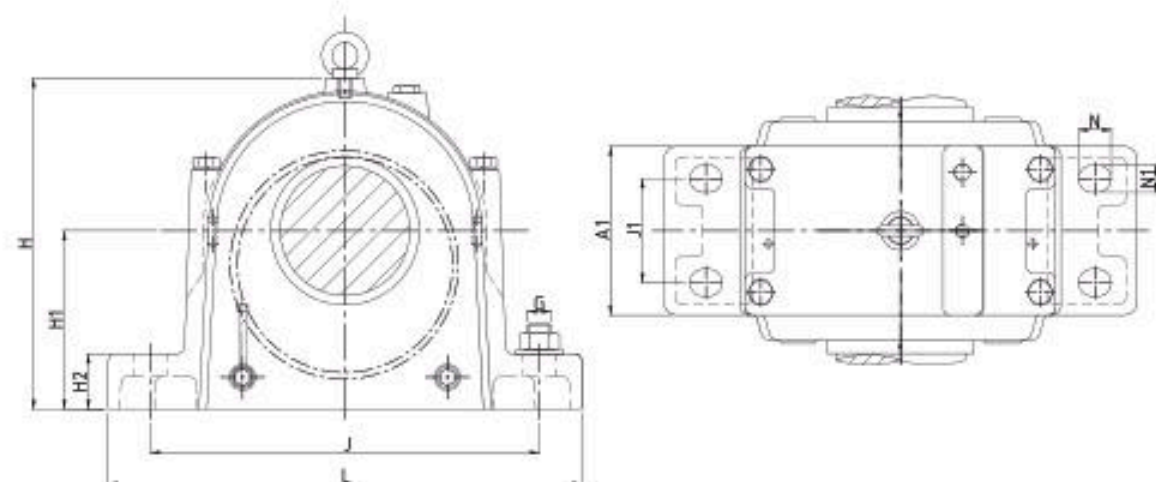
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Oil Qty. Max.	Designation Housing	Seal 1 per housing	End Cover	Bearing Seating		Appropriate Bearings And Associated Components		
				Ca mm	D	Spherical Roller Bearing CARB Bearing	Adapter Sleeve	Locating Ring 2 per housing
0.4	SONL 517	TSO 517	ECO 517	46	150	22217 EK	H 317	FRB 5/150
0.5	SONL 518	TSO 518	ECO 518	50	160	22218 EK	H 318	FRB 5/160
0.6	SONL 520	TSO 520	ECO 520	60	180	22220 EK	H 320	FRB 7/180
0.9	SONL 522	TSO 522	ECO 522	71	200	22222 EK	H 322	FRB 9/200
1.3	SONL 524	TSO 524	ECO 524	82	215	22224 EK	H 3124	FRB 12/215
1.4	SONL 526	TSO 526	ECO 526	86	230	22226 EK	H 3126	FRB 11/230
1.5	SONL 528	TSO 528	ECO 528	90	250	22228 EK	H 3128	FRB 11/250
1.7	SONL 530	TSO 530	ECO 530	93	270	22230 EK	H 3130	FRB 10/270
2	SONL 532	TSO 532	ECO 532	104	290	22232 EK	H 3132	FRB 12/290
2.5	SONL 534	TSO 534	ECO 534	106	310	22234 EK	H 3134	FRB 14/310
-	SONL 536	TSO 536	ECO 536	106	320	22236 EK	H 3136	FRB 10/320
-	SONL 538	TSO 538	ECO 538	112	340	22238 EK	H 3138	FRB 10/340
4.5	SONL 540	TSO 540	ECO 540	122	360	22240 EK	H 3140	FRB 14/360
-	SONL 544	TSO 544	ECO 544	128	400	22244 EK	OH 3144 H	FRB 10/400
-	SONL 548	TSO 548	ECO 548	140	440	22248 EK	OH 3148 H	FRB 10/440

SONL SERIES

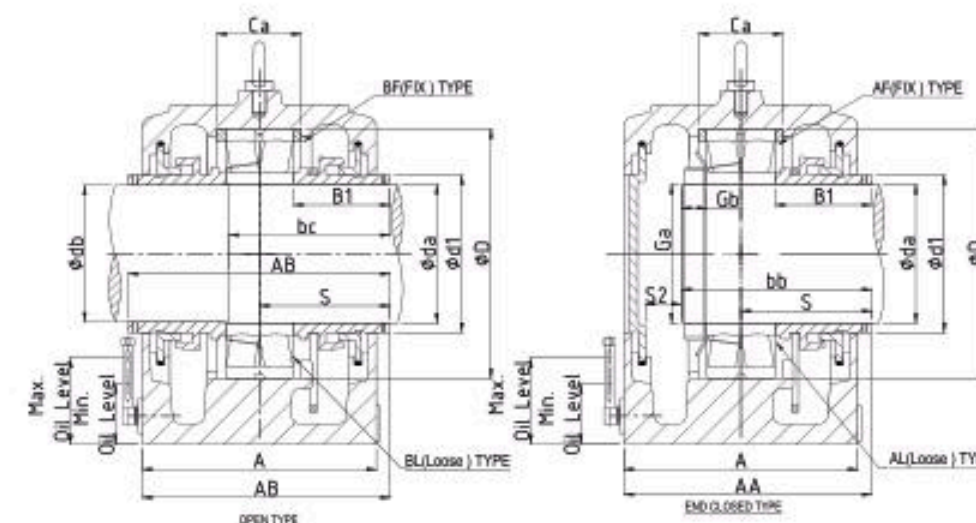
Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Shaft da mm	Housing Dimension																			Oil Level	
	A	A1 mm	AA	AB	H	H1	H2	J	J1	L	N	N1	G	S	d1	B1	s2	bb	Ba	Min	Max.
85	163	110	172	180	230	125	35	260	60	330	28	22	20	90	96	72	19	130	40	48	63
90	170	120	180	190	245	135	45	290	70	360	28	22	20	95	100	75	19	137	42	48	68
100	186	130	196	206	270	145	50	320	75	400	32	26	24	103	112	80	25	150	47	53	70
110	213	145	221	229	290	160	50	347	75	420	32	26	24	114.5	120	88	32.5	167	52.5	53	77
120	245	170	261	276	315	170	55	347	90	420	32	26	24	138	135	109	47	194	56	63	80
130	255	180	263	270	335	180	60	377	100	450	35	28	24	135	145	103	43	195	60	63	85
140	260	190	270	280	355	190	65	415	100	500	42	35	30	140	160	106	42	203	63	63	85
150	260	190	270	280	375	200	65	450	115	540	42	35	30	140	170	107	37.5	207.5	67.5	63	90
160	278	205	297	316	406	215	65	470	120	560	42	35	30	158	178	118	42	231	73	68	95
170	310	230	330	350	440	235	70	515	130	610	42	35	30	175	195	132	54	252	77	80	105
180	-	240	-	360	455	245	-	545	150	650	-	-	30	180	-	-	-	258	78	85	115
190	-	250	-	370	480	260	-	590	150	720	-	-	36	185	-	-	-	267	82	88	120
200	338	260	358	378	510	275	85	600	160	730	50	42	36	189	227	140	51	275	86	88	125
220	-	280	-	404	565	305	-	670	180	820	-	-	36	202	-	-	-	297	95	-	-
240	-	290	-	420	625	340	-	740	190	900	-	-	36	210	-	-	-	315	105	-	-

SONL SERIES

Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings



Oil Qty. Max.	Designation Housing	Dimensions			Seal 1 per housing	End Cover	Shaft db mm	Bearing Seating		Appropriate Bearings And Associated Components	
		Ga	Gb	bc				Ca mm	Da	Spherical Roller Bearing CARB Bearing	Locating Ring 2 prer housing
0.4	SONL 217	M85x2	24	105	TSO 217	ECO 217	83	46	150	22217 E	FRB 5/150
0.5	SONL 218	M90x2	24	112	TSO 218	ECO 218	88	50	160	22218 E	FRB 5/160
0.6	SONL 220	M100x2	26	123	TSO 220	ECO 220	98	60	180	22220 E	FRB 7/180
0.9	SONL 222	M110x2	28	138	TSO 222	ECO 222	108	71	200	22222 E	FRB 9/200
1.3	SONL 224	M120x2	29	164	TSO 224	ECO 224	118	82	215	22224 E	FRB 12/215
1.4	SONL 226	M130x2	31	164	TSO 226	ECO 226	128	86	230	22226 E	FRB 11/230
1.5	SONL 228	M140x2	32	170	TSO 228	ECO 228	138	90	250	22228 E	FRB 11/250
1.7	SONL 230	M150x2	34	173	TSO 230	ECO 230	148	93	270	22230 E	FRB 10/270
2	SONL 232	M160x3	36	195	TSO 232	ECO 232	158	104	290	22232 E	FRB 12/290
2.5	SONL 234	M170x3	38	213	TSO 234	ECO 234	168	106	170	22234 CC/W33	FRB 14/310
-	SONL 236	M180x3	-	-	TSO 236	ECO 236	177	106	320	22236 CC/W33	FRB 10/320
-	SONL 238	M190x3	-	-	TSO 238	ECO 238	188	112	340	22238 CC/W33	FRB 10/340
3	SONL 240	M200x3	41	233	TSO 240	ECO 240	198	122	360	22240 CC/W33	FRB 14/360
-	SONL 244	M220x4	-	-	TSO 244	ECO 244	218	128	400	22244 CC/W33	FRB 10/400
-	SONL 248	M240x4	-	-	TSO 248	ECO 248	238	140	440	22248 CC/W33	FRB 10/440

LOE SERIES BEARING HOUSINGS

LOE bearing housing is majorly used in Industrial Fan due to its versatility for industrial services. It can support continuous heavy load with bearing running at high speed and hence at higher temperature. The housing is designed for continuous service without any stoppage. Hence only oil lubrication is used in LOE housing which justifies the severe loading condition. Oil gives good heat dissipation from the bearing and keep it very safe with longer service life.

LOE housing are horizontal split housing with detachable covers provided on two sides of the housing. The covers are securely bolted on the body of housing on each side. LOE housings are robust in construction hence it can operate at high vibration and temperature. They are preferred in Fan Industries, as well as in Cement, Mining, Steel, Power etc Industries. It is capable of handling heavy loads principally in the radial and axial direction with an added advantage for loads coming in an inclined direction also.

The design concepts for LOE is similar to that of SOFN housing, where all features are available in both types. However they have different dimensions and details. Hence they are not interchangeable.

TECHNICAL DETAIL AND PRODUCT FEATURE

- LOE housings are horizontally split type making them easy for assembly and maintenance.
- Each side of the housing, a detachable cover is fitted using bolts for easy assembly. The proper gasket is put between the housing machine side and End Cover to prevent oil leakage.
- At the base, four elongated slots are provided for a secured foundation while assembly. At the base, suitable space is available to drill holes after assembly at site and fit the Dowel whenever required during installation. This arrangement makes installation and alignment during maintenance very easy.
- A shaft diameter of 50 mm to 240 mm is the limiting range for the use of suitable spherical roller bearings for this series.



LOE SERIES BEARING HOUSINGS

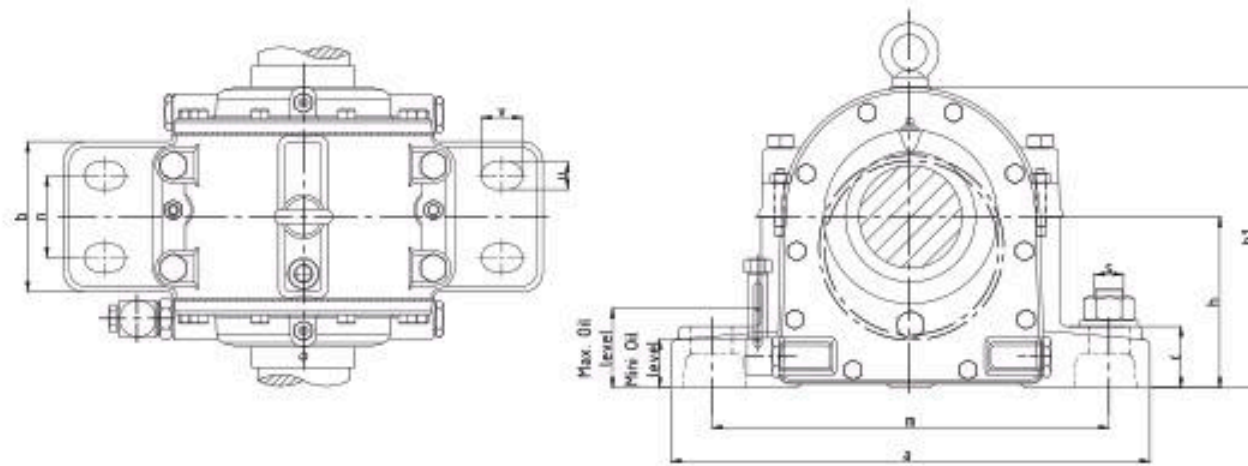
TECHNICAL DETAIL AND PRODUCT FEATURE

- The LOE housing can be supplied for located and non-located bearing options. The bearing seating width is obtained by machining the two side covers appropriately. When side covers are fitted to housing, correct bearing seating width obtained. No locating ring is used due to the heavy-duty application of the housing.
- Specially designed labyrinth sealing collars are used to prevent oil leakage. Labyrinth collars are enveloped on end cover spigot in such a way which ensures no leakage of oil. Also grease chamber is provided in cover /labyrinth to further stop minor leakage through rotating shaft. The grease in labyrinth can be relubricated periodically.
- To get best out of oil lubrication system, one oil splash ring is provided inside the housing. Oil splash ring is supported on a sealing collar at one side. Bottom end of oil splash ring is dipped in oil at the sump at base where it generates heavy splash of oil into bearing while rotating. This arrangement makes very efficient lubrication for LOE housing running at higher speed.
- For shaft end option in the housing assembly, provision for an End Cover is available.
- These housings are suitable for spherical roller bearing series and can be modified for some spherical ball bearings also.
- Four dimensional Series are available in LOE housings:
 - LOE 500- suitable for bearing SERIES 222...CCK with adapter sleeve.
 - LOE 600- suitable for bearing SERIES 223...CCK with adapter sleeve.
 - LOE 200- suitable for bearing SERIES 222...CC with cylindrical bore.
 - LOE 300- suitable for bearing SERIES 223...CC with cylindrical bore.

- Masta supplies customized LOE housing to cater specific need of the users.
 - I.) For higher temperature application, LOE housing can be provided with metallic cooling coil inside the housing. The cooling coil is located in the area of oil sump in lower section of housing. Two ends of the cooling coil are fitted to cover at one end. From outside water inlet and outlet are provided to facilitate cooling of oil for better result. The cooling coil through which cold water circulates is submerged in the oil to regulate the oil temperature.
 - II.) For the circumstance when application is hard pressed for maintenance time during plant shut down, LOE housing can be supply with split end covers which are screwed together securely and this makes assembly easy and fast.
 - For recording the temperature and vibrations continuously on LOE housing suitable pads are provided, where probe can be fitted to monitor the working condition of bearing. Suitable Oil Level indicator is fitted which shows max and min level of oil inside the housing. Drain Plugs are provided for removing contaminated oil without disturbing the assembly.
 - Air Breather Plug is provided which enables hot air to escape which is generated during higher temperature rise while in operation.
 - On cap of housing suitable oil inlet hole & (plug) is available which can be used to add oil when required. Also an external force feed oil lubricating system can be fitted to LOE housing which can regulate continuously the oil flow to achieve desired temperature of oil.
14. Material for LOE series:
- 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)
- During final assembly Chemical bonding material such as retaining compound is recommended to use between mating surface to prevent oil leakage.

LOE 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings

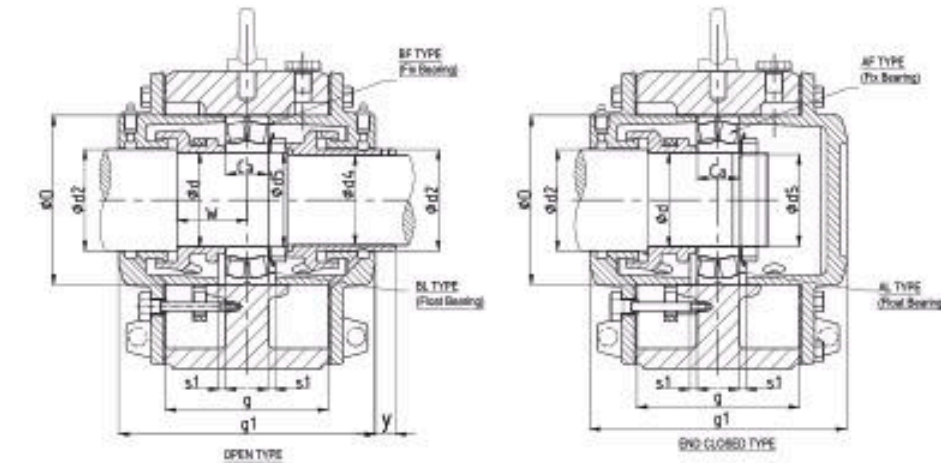


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Bearing Housing Designation	Shaft diameter				Housing Dimension in mm																Suitable For Bearing	Oil level		s1	y	Approx Weight Kg.
	d	d2	d4	d5	a	b	h1	h	c	w	m	n	g	g1	v	u	s	Ca	D	Max.		Min.				
LOE-310	50	55	47	M50x2	350	125	205	115	40	52	290	75	135	210	30	20	M-16	40	110	22310 CC	65	50	10	15	30	
LOE-312	60	65	57	M60x2	370	130	220	125	45	55	310	80	140	220	30	20	M-16	48	130	22312 CC	65	50	10	15	35	
LOE-214	70	75	67	M70x2	350	110	220	125	45	52	290	60	120	190	30	20	M-18	31	125	22214 CC	65	50	10	15	29	
LOE-314	70	75	67	M70x2	410	150	240	135	48	62	340	80	160	225	35	25	M-20	51	150	22314 CC	65	50	10	15	45	
LOE-215	75	80	72	M75x2	350	110	220	125	45	52	290	60	120	190	30	20	M-16	31	130	22215 CC	65	55	10	15	35	
LOE-216	80	85	77	M80x2	410	150	245	135	48	55	340	80	160	225	35	25	M-20	33	140	22216 CC	65	50	10	15	42	
LOE-316	80	85	77	M80x2	490	160	270	150	50	67	400	80	170	250	45	30	M-24	58	170	22316 CC	70	55	10	15	60	
LOE-217	85	90	82	M85x2	410	150	245	135	48	62	340	80	160	225	35	25	M-20	36	150	22217 CC	65	50	10	15	45	
LOE-317	85	90	82	M85x2	490	160	270	150	50	72	400	80	170	250	45	30	M-24	60	180	22317 CC	65	50	10	15	62	
LOE-218	90	95	87	M90x2	410	150	245	135	48	61	340	80	160	225	35	25	M-20	90	160	22218 CC	60	45	10	15	47	
LOE-318	90	95	87	M90x2	500	165	305	175	55	72	420	80	175	250	45	30	M-24	64	190	22318 CC	85	65	10	15	73	
LOE-219	95	100	92	M95x 2	490	160	270	150	50	67	400	80	170	250	45	30	M-24	43	170	22219 CC	70	55	10	15	60	

LOE 200-300 SERIES

Plummer Blocks (Bearing Housings)
For Straight Cylindrical Bore Bearings

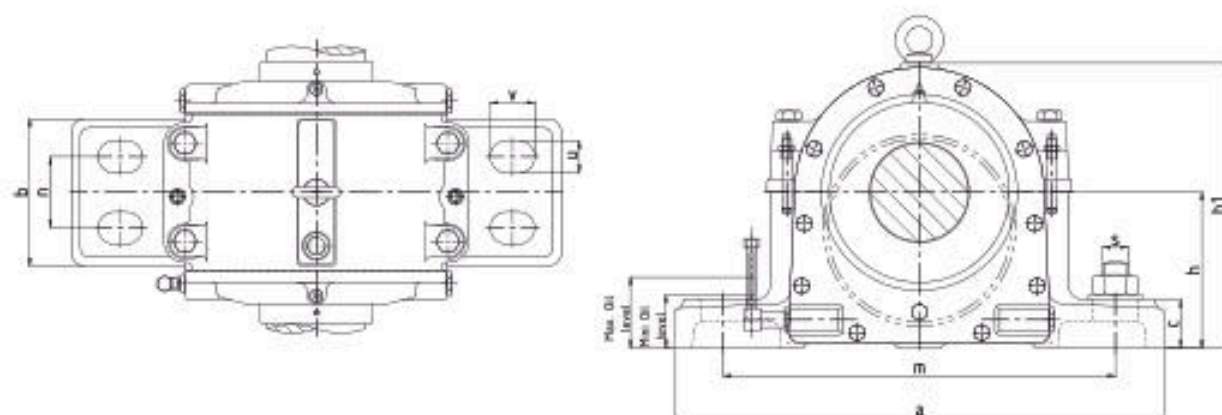


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Bearing Housing Designation	Shaft diameter				Housing Dimension in mm																Suitable For Bearing	Oil level				Approx Weight Kg.
	d	d2	d4	d5	a	b	h1	h	c	w	m	n	g	g1	v	u	s	Ca	D	Max, Min.		s1	y			
LOE-220	100	110	97	M100x2	490	160	270	150	50	60	400	80	170	250	45	30	M-24	46	180	22220 CC	65	50	10	15	67	
LOE-320	100	106	97	M100x2	550	165	320	175	55	72	440	80	175	250	50	36	M-30	73	215	22320 CC	75	55	10	15	81	
LOE-222	110	116	107	M110x2	510	165	300	165	50	70	420	80	175	250	45	30	M-24	53	200	22222 CC	70	50	10	15	74	
LOE-322	110	120	107	M110x2	570	180	335	180	65	77	460	95	190	270	50	36	M-30	80	240	22322 CC	65	45	10	15	100	
LOE-224	120	126	117	M120x2	550	165	320	175	55	72	440	80	175	250	50	36	M-30	58	215	22224 CC	70	50	10	15	80	
LOE-324	120	126	117	M120x2	660	200	390	220	75	90	530	110	210	300	60	42	M-36	86	260	22324 CC	90	65	10	15	130	
LOE-226	130	136	127	M130x2	570	175	345	190	65	77	460	90	185	260	50	36	M-30	64	230	22226 CC	75	55	10	15	93	
LOE-326	130	140	127	M130x2	660	200	420	235	80	86	530	110	220	315	60	42	M-36	93	280	22326 CC	105	75	10	15	142	
LOE-228	140	150	137	M140x2	570	175	355	190	65	73	460	100	180	260	50	36	M-30	68	250	22228 CC	70	55	10	22	100	
LOE-328	140	146	137	M140x2	710	220	450	260	85	95	580	125	230	325	60	42	M-36	102	300	22328 CC	110	80	10	15	170	
LOE-230	150	156	147	M150x2	660	190	395	220	70	82	530	100	200	275	60	42	M-36	73	270	22230 CC	90	65	10	15	125	
LOE-330	150	160	147	M150x2	760	200	465	265	85	95	630	125	240	335	60	42	M-36	108	320	22330 CC	110	75	10	15	200	
LOE-232	160	166	155	M160x3	660	200	400	220	70	80	530	110	210	290	60	42	M-36	80	290	22232 CC	80	60	10	22	136	
LOE-332	160	170	155	M160x3	820	240	485	270	90	100	670	130	250	350	70	48	M-42	114	340	22332 CC	105	80	10	15	240	
LOE-234	170	176	165	M170x3	710	200	460	260	85	90	580	110	210	300	60	42	M-36	86	310	22234 CC	105	90	10	15	160	
LOE-334	170	180	165	M170x3	830	240	510	280	90	105	670	130	255	350	70	48	M-42	120	360	22334 CC	105	80	10	15	270	
LOE-236	180	190	175	M180x3	710	200	465	260	85	90	580	110	210	300	60	42	M-36	86	320	22236CC	110	75	10	22	200	
LOE-336	180	190	175	M180x3	840	240	530	290	90	108	680	130	260	360	70	48	M-42	126	380	22336CC	105	80	10	15	330	
LOE-238	190	196	185	M190x3	820	240	485	270	90	95	670	130	250	350	70	48	M-42	92	340	22238CC	100	70	10	15	230	
LOE-240	200	210	195	M200x3	830	240	510	280	90	100	670	130	260	344	70	48	M-42	98	360	22240CC	100	75	10	15	250	
LOE-244	220	230	212	Tr220x4	880	240	565	310	105	108	720	130	280	380	70	48	M-42	108	400	22244CC	110	80	10	15	310	
LOE-248	240	260	235	Tr240x4	980	280	615	340	120	120	820	165	300	400	70	48	M-42	120	440	22248CC	125	100	10	22	385	

LOE 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

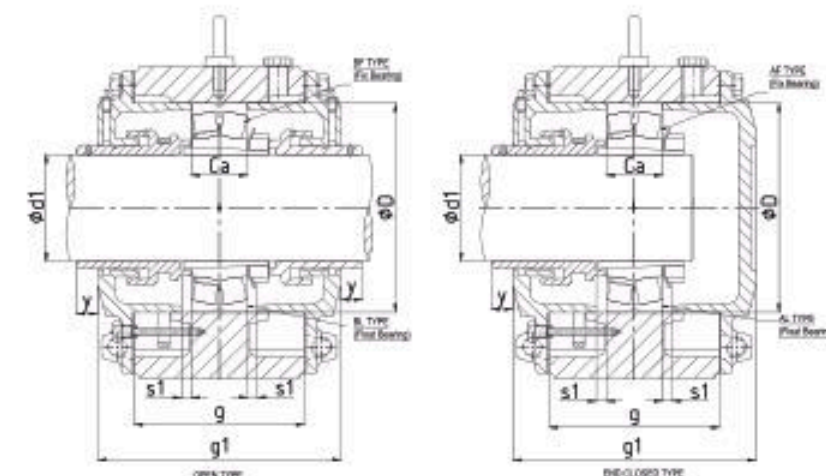


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Bearing Housing Designation	Shaft Dia d1	Housing Dimension in mm													Bearing Adapter Sleeve	Oil level				Approx Weight Kg.
		a	b	h1	h	c	m	n	g	g1	v	u	s	Ca	D	Max.	Min.	s1	y	
LOE 612	50	370	130	220	125	45	310	80	140	220	30	20	M-16	46	130	65	55	10	22	35
LOE 514	60	350	110	220	125	45	290	60	120	190	30	20	M-16	31	125	65	50	5	15	30
LOE 614	60	410	150	250	135	48	340	80	160	225	35	25	M-20	51	150	65	50	10	22	45
LOE 515	65	350	110	220	125	45	290	60	120	190	30	20	M-16	31	130	65	50	5	15	35
LOE 516	70	410	150	245	135	48	340	80	160	225	35	25	M-20	33	140	65	50	10	22	42
LOE 616	70	490	160	270	150	50	400	80	170	250	45	30	M-24	58	170	70	55	10	22	60
LOE 517	75	410	150	245	135	48	340	80	160	225	35	25	M-20	36	150	65	50	10	22	45
LOE 617	75	490	160	270	150	50	400	80	170	250	45	30	M-24	60	180	65	50	10	22	62
LOE 518	80	410	150	245	135	48	340	80	160	225	35	25	M-20	40	160	60	43	10	22	47
LOE 618	80	500	165	305	175	55	420	80	175	250	45	30	M-24	64	190	85	65	10	22	73
LOE 519	85	490	160	270	150	50	400	80	170	250	45	30	M-24	43	170	70	55	10	22	60

LOE 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves

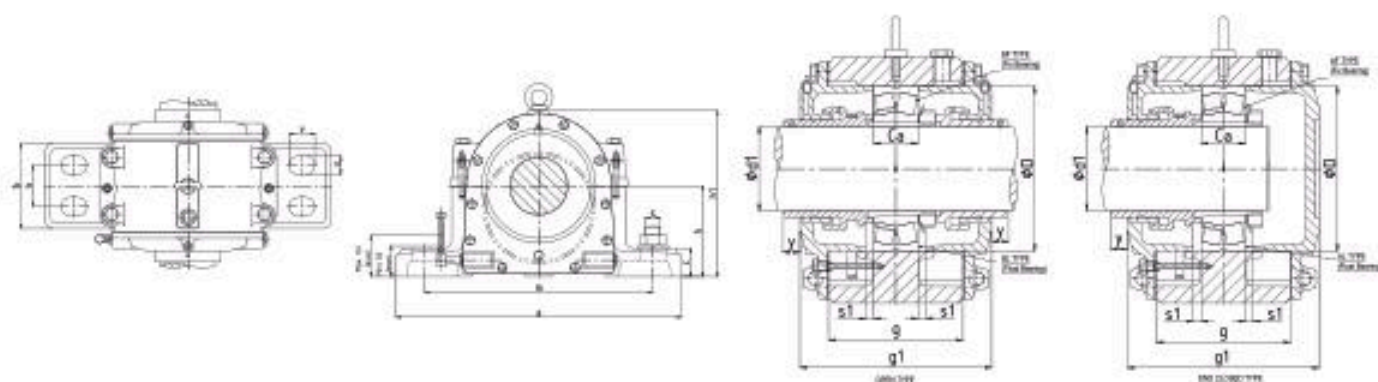


BF TYPE-Through Shaft, Located Bearing
BL TYPE-Through Shaft, Non-Located Bearing

Bearing Housing Designation	Shaft Dia d1	Housing Dimension in mm													Bearing Adapter Sleeve	Oil level				Approx Weight Kg.
		a	b	h1	h	c	m	n	g	g1	v	u	s	Ca	D	Max.	Min.	s1	y	
LOE 520	90	490	160	270	150	50	400	80	170	250	45	30	M-24	46	180	65	50	10	22	67
LOE 620	90	550	165	320	175	55	440	80	175	250	50	36	M-30	73	215	75	55	10	22	81
LOE 522	100	510	165	300	165	50	420	80	175	250	45	30	M-24	53	200	70	50	10	22	74
LOE622	100	570	180	335	180	65	460	95	190	270	50	36	M-30	80	240	65	45	10	22	100
LOE524	110	550	165	320	175	55	440	80	175	250	50	36	M-30	58	215	70	50	10	22	80
LOE624	110	660	200	390	220	75	530	110	210	300	60	42	M-36	86	260	90	65	10	22	130
LOE526	115	570	175	345	190	65	460	90	185	260	50	36	M-30	64	230	75	55	10	22	93
LOE626	115	660	200	420	235	80	530	110	220	315	60	42	M-36	93	280	105	75	10	22	142
LOE528	125	570	175	355	190	65	460	100	180	260	50	36	M-30	68	250	75	55	10	22	100
LOE628	125	710	220	450	260	85	580	125	230	325	60	42	M-36	102	300	110	80	10	22	170
LOE530	135	660	190	395	220	70	530	100	200	275	60	42	M-36	73	270	90	65	10	22	125
LOE630	135	760	200	465	265	85	630	125	240	335	60	42	M-36	108	320	110	75	10	22	200

LOE 500-600 SERIES

Plummer Blocks (Bearing Housings)
For Bearings with Adapter Sleeves



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

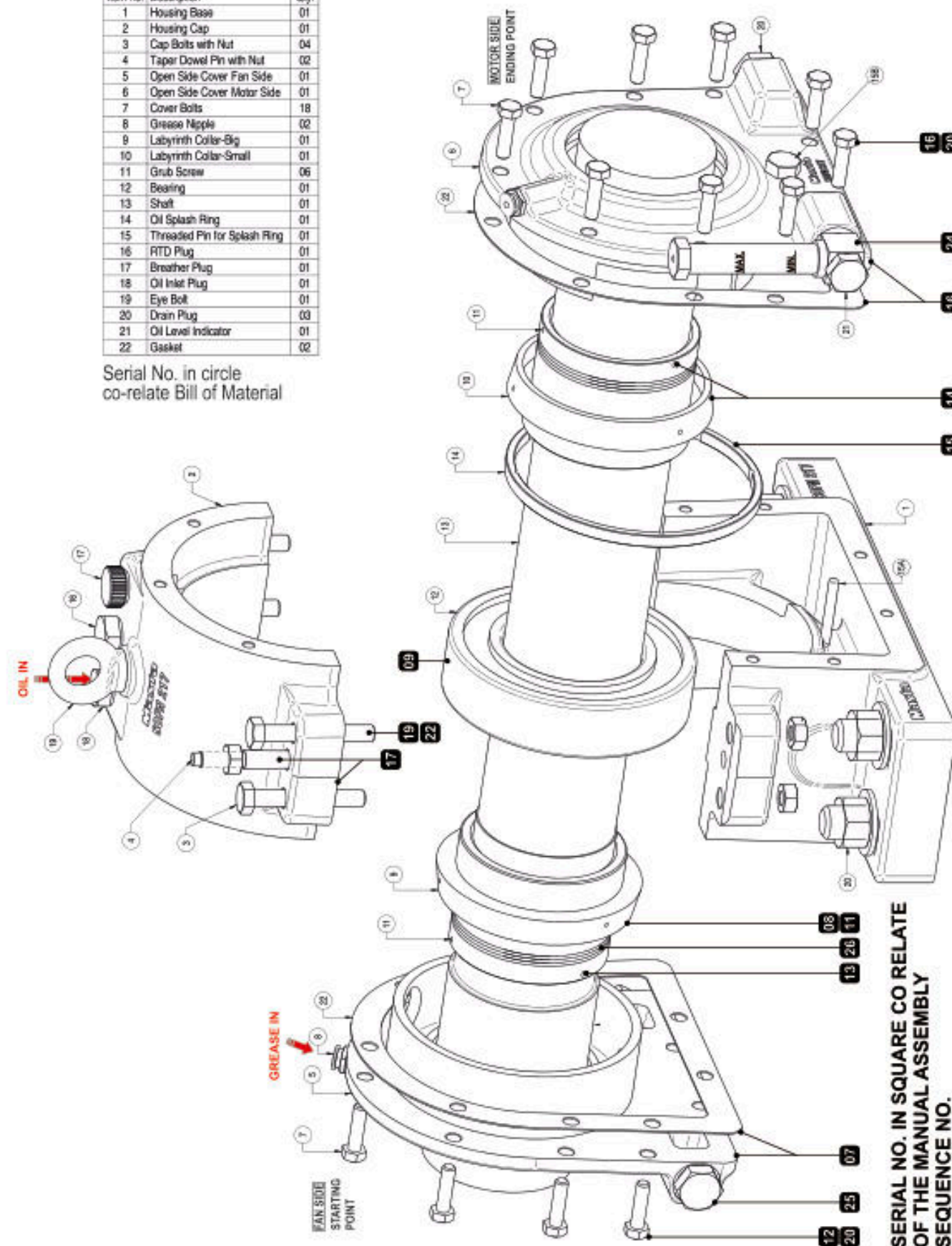
Bearing Housing Designation	Shaft Dia d1	Housing Dimension in mm														Bearing Adapter Sleeve	Oil level		s1 y		Approx. Weight Kg.
		a	b	h1	h	c	m	n	g	g1	v	u	s	Ca	D		Max.	Min.			
LOE 532	140	660	200	400	220	70	530	110	210	290	60	42	M-36	80	290	22232 CCK H 3132	80	60	10	22	135
LOE 632	140	820	240	485	270	90	670	130	250	350	70	48	M-42	114	340	22332 CCK H 2332	105	80	10	22	240
LOE 534	150	710	200	460	260	85	580	110	210	300	60	42	M-36	86	310	22234 CCK H 3134	105	80	10	22	160
LOE 634	150	830	240	510	280	90	670	130	255	350	70	48	M-42	120	360	22334 CCK H 2334	105	80	10	22	270
LOE 536	160	710	200	465	260	85	580	110	210	300	60	42	M-36	86	320	22236 CCK H 3136	110	75	10	22	200
LOE 636	160	840	240	530	290	90	680	130	260	360	70	48	M-42	126	380	22336 CCK H 2336	105	80	10	22	330
LOE 538	170	820	240	485	270	90	670	130	250	350	70	48	M-42	92	340	22238 CCK H 3138	100	70	10	22	230
LOE 540	180	830	240	510	280	90	670	130	260	344	70	48	M-42	98	360	22240 CCK H 3140	100	75	10	22	250
LOE 544	200	880	240	565	310	105	720	130	280	380	70	48	M-42	108	400	22244 CCK H 3144	110	80	10	22	310
LOE 548	220	980	280	625	340	120	820	165	300	400	70	48	M-42	120	440	22248 CCK H 3148	120	100	10	22	385

EXPLODED VIEW OF LOE/SOFN SERIES HOUSING (DRIVE END HOUSING IS SHOWN)



BILL OF MATERIAL		
Item no.	Description	Qty.
1	Housing Base	01
2	Housing Cap	01
3	Cap Bolts with Nut	04
4	Taper Dowel Pin with Nut	02
5	Open Side Cover Fan Side	01
6	Open Side Cover Motor Side	01
7	Cover Bolts	18
8	Grease Nipple	02
9	Labyrinth Collar-Big	01
10	Labyrinth Collar-Small	01
11	Grub Screw	06
12	Bearing	01
13	Shaft	01
14	Oil Splash Ring	01
15	Threaded Pin for Splash Ring	01
16	RTD Plug	01
17	Breather Plug	01
18	Oil Inlet Plug	01
19	Eye Bolt	01
20	Drain Plug	03
21	Oil Level Indicator	01
22	Gasket	02

Serial No. in circle
co-relate Bill of Material



SERIAL NO. IN SQUARE CO RELATE
OF THE MANUAL ASSEMBLY
SEQUENCE NO.

SBD SERIES BEARING HOUSINGS

SBD series bearing housings are initially developed for heavy-duty belt conveyors to run the drive pulley. SBD series is designed to withstand very heavy load acting in vertical and inclined directions. Considering such applications, SBD bearing housings are developed as single-piece construction (i.e. non-split bearing housing), suitable for spherical roller bearings.

This highly reliable design of SBD series is mainly used for Belt Conveyor and processing engineering applications like heavy-duty Crusher,

drive for Sugar Mill, Rotor Shafts of wind power stations, Mining, Rotating Drum support-roller, Wagon Tippler etc. It is preferred for similar heavy-duty applications operating in extremely harsh environments.

The BND series have same dimensions and overall design aspects as that in the series SBD series. In Industrial applications, they both are used as interchangeable. Their overall performance is proven to be very same in field.



SBD SERIES BEARING HOUSINGS

TECHNICAL DETAIL AND PRODUCT FEATURE

- The prominent feature of SBD is that it is a single-piece construction bearing housing.
- Two covers are provided on both sides of the housing. The covers are held by suitable bolts. For a closed-end option for housing, an End Cover is provided at one side.
- A heavy and hollow base is provided to support the SBD housing robustly. There are thick ribs on both sides to further strengthen the housing against load in any radial direction.
- Due to heavy construction, SBD can withstand high static and dynamic loads in both radial and axial directions.
- Spherical roller bearing with taper bore as well as cylindrical bore can be fitted in the housing. The shaft diameter range is 40 mm to 420 mm.
- For SBD housings no locating ring is used to locate the bearing. Instead, the covers are machined to provide suitable steps that can locate the bearing.

Hence, it is necessary to specify the requirement for located bearing or non-located bearing type of housing while ordering the SBD housing so that the bearing width inside the housing is machined to suit the located or non-located type bearing.

- SBD housings are designed for grease lubrication only. Suitable grease nipples are provided for relubrication.
- In SBD housing an efficient complex labyrinth seal set is provided. There is a labyrinth seal ring securely held on the shaft by using a spring ring which ensures that the labyrinth seal ring rotates with the shaft while its grooves are guided properly in the cover. This arrangement performs as superior sealing function against any ingress of dirt and moisture. It is recommended to purge these seals with grease at regular intervals to keep the ingress of dirt or foreign particles out.

- An eye bolt is provided for lifting and easy handling of the housing.
- SBD housings are provided with suitable pads duly machined at both ends of base, which help easier alignment and provide good contact with stops when stops are used to accommodate loads parallel to the support surface.
- Whenever necessary, suitable holes can be provided on the housing for fixing temperature or vibration probes.
- In all, SBD is a preferred choice for conveyor application, because the design of SBD offers high operational reliability with little requirement for maintenance.

For SBD series Triple Groove type Labyrinth seal is available:

Labyrinth Seal : TS

Taconite seal: (with some modification, heavy duty taconite seal can be provided)

- Eight-dimensional Series are available in SBD housings:

SBD 2200 - suitable for bearing SERIES 222... with adapter sleeve / with cylindrical bore.

SBD 3000 - suitable for bearing SERIES 230... with adapter sleeve / with cylindrical bore.

SBD 3100 - suitable for bearing SERIES 231 ... with adapter sleeve / with cylindrical bore.

SBD 3200 - suitable for bearing SERIES 232... with adapter sleeve / with cylindrical bore.

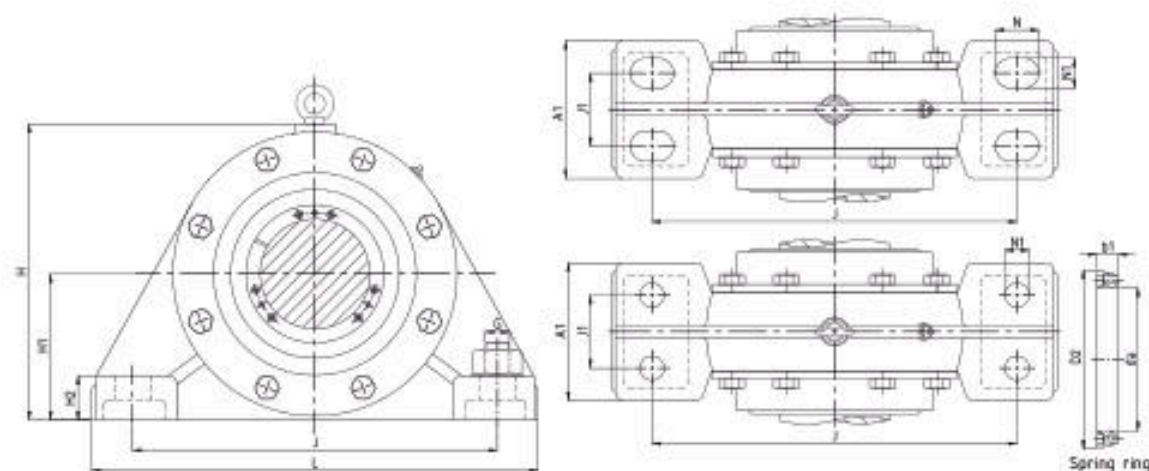
- Material for SBD series:

The following options are available, which allow the user to select his suitability depending upon the loading condition for bearing housing.

- Graded Cast Iron : Gr FG 260 (IS 210)
- Cast Steel : Gr 230-450 (IS 1030)
- SG (Ductile) Iron : Gr 400/15 (IS 1865)

SBD SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft

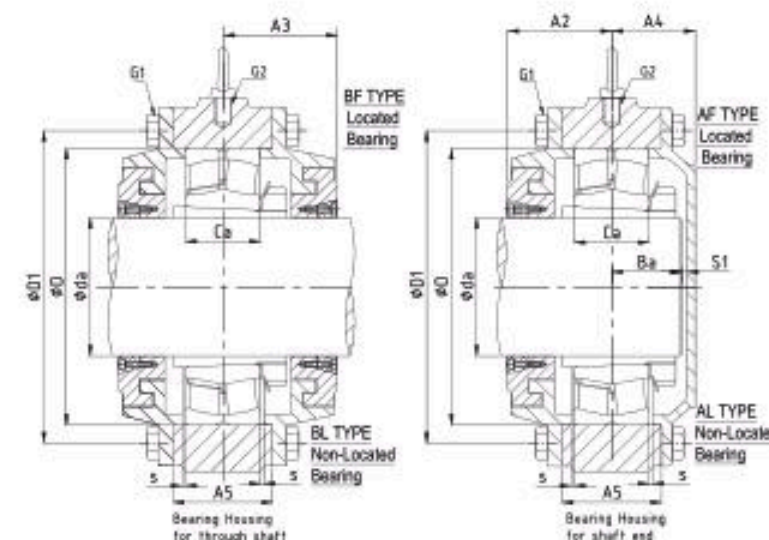


Shaft Diameter da mm	Other Dimensions		appropriate Bearing	Adapter sleeve	Masses Housing type		Adapter Ring Designation	Dimensions		Grease quantity initial fill # Housing type	
	Ba mm	S1			A kg	B kg		D2 mm	b1	A kg	B kg
90	45	11	22220 EK	H 320	23	25	PSBD 90	118	18	0.90	0.40
100	52	25	23122 CCK/W33	H 3122	40	45	PSBD 100	128	18	0.40	0.30
	50	11	22222 EK	H 322	37	40	PSBD 100	128	18	1.00	0.50
	60	9	23222 CCK/W33	H 2322	46	50	PSBD 100	128	18	0.60	0.50
110	48	8	23024 CCK/W33	H 3024	19	20	PSBD 110	138	18	0.40	0.30
	56	13	23124 CCK/W33	H 3124	45	50	PSBD 110	138	18	0.50	0.40
	55	6	22224 EK	H 3124	43	46	PSBD 110	138	18	1.00	0.50
	64	7	23224 CCK/W33	H 2326	50	55	PSBD 110	138	18	0.80	0.70
115	52	9	23026 CCK/W33	H 3026	28	30	PSBD 115	143	18	0.50	0.40
	58	15	23126 CCK/W33	H 3126	50	55	PSBD 115	143	18	0.50	0.50
	57	5	22226 EK	H 3126	52	56	PSBD 115	143	18	1.10	0.60
	66	5	23226 CCK/W33	H 2326	60	65	PSBD 115	143	18	0.90	0.80
125	54	7	23028 CCK/W33	H 3028	32	35	PSBD 125	153	18	0.50	0.50
	62	16	23128 CCK/W33	H 3128	58	65	PSBD 125	153	18	0.70	0.60
	62	13	22228 CCK/W33	H 3128	65	70	PSBD 125	153	18	1.20	0.80
	72	9	23228 CCK/W33	H 2328	74	80	PSBD 125	153	18	1.10	1.00
135	56	6	23030 CCK/W33	H 3030	37	40	PSBD 135	170	20	0.60	0.60
	70	15	23130 CCK/W33	H 3130	78	85	PSBD 135	170	20	0.90	0.90
	66	14	22230 CCK/W33	H 3130	77	82	PSBD 135	170	20	1.20	0.90
	78	7	23230 CCK/W33	H 2330	87	95	PSBD 135	170	20	1.30	1.30
140	62	6	23032 CCK/W33	H 3032	41	45	PSBD 140	175	20	0.70	0.60
	75	15	23132 CCK/W33	H 3132	90	100	PSBD 140	175	20	1.20	1.10
	72	8	22232 CCK/W33	H 3132	90	96	PSBD 140	175	20	1.30	1.00
	84	6	23232 CCK/W33	H 2332	100	110	PSBD 140	175	20	1.60	1.50
150	66	9	23034 CCK/W33	H 3034	50	55	PSBD 150	185	20	0.80	0.70
	78	26	23134 CCK/W33	H 3134	100	110	PSBD 150	185	20	1.40	1.30
	75	14	22234 CCK/W33	H 3134	103	110	PSBD 150	185	20	1.40	1.20
	88	7	23234 CCK/W33	H 2334	130	140	PSBD 150	185	20	1.80	1.80
160	70	10	23036 CCK/W33	H 3036	64	70	PSBD 160	195	20	1.00	0.90
	82	26	23136 CCK/W33	H 3136	118	130	PSBD 160	195	20	1.60	1.50
	78	14	22236 CCK/W33	H 3136	112	120	PSBD 160	195	20	1.80	1.50
	90	10	23236 CCK/W33	H 2336	147	160	PSBD 160	195	20	2.10	2.00

Based on 100% filling

SBD SERIES

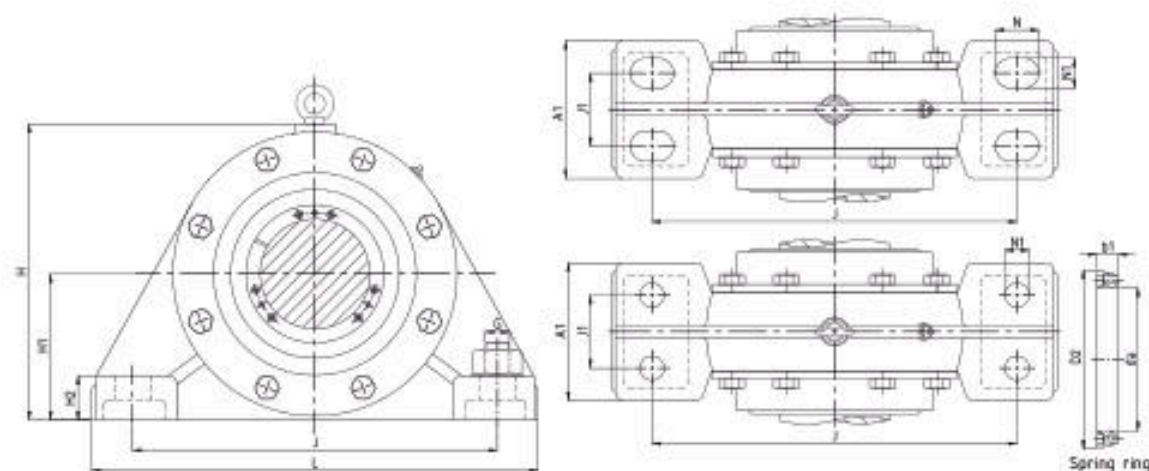
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A3	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
90	110	70	85	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBDs 2220
100	150	81	102	83	80	56	180	215	270	130	40	300	80	400	35	25	2	20	M12	M12	SBDs 3122
	120	78	90	68	64	53	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBDs 2222
	130	91	103	76	90	69.8	200	230	285	140	42	350	70	440	—	28	2	24	M12	M16	SBDs 3222
110	110	63	83	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBDs 3024
	140	76	93	78	85	62	200	230	285	140	40	330	80	410	35	25	2	20	M12	M12	SBDs 3124
	130	80.5	95.5	68	70	58	215	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBDs 2224
	140	93	108	78	95	76	215	245	305	150	42	370	75	470	35	30	2	24	M12	M16	SBDs 3224
115	120	68	88	68	64	52	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBDs 3026
	140	80	100	80	90	64	210	240	295	145	40	350	80	430	35	25	2	20	M12	M12	SBDs 3126
	140	88	98	70	76	64	230	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBDs 2226
	150	103	108	78	100	80	230	260	325	160	45	400	85	500	40	30	2	24	M12	M16	SBDs 3226
125	130	68	88	68	70	53	210	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBDs 3028
	150	85	110	85	95	68	225	260	315	155	45	380	85	470	35	25	2	20	M12	M12	SBDs 3128
	160	94	104	83	82	68	250	275	330	165	50	420	95	510	—	35	3	30	M10	M12	SBDs 2228
	160	108	118	88	110	88	250	285	350	170	50	430	85	530	40	30	3	24	M16	M20	SBDs 3228
135	140	73	94	70	76	56	225	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBDs 3030
	200	93	113	93	102	80	250	285	345	170	60	450	110	580	45	35	3	24	M12	M16	SBDs 3130
	170	98	108	88	90	73	270	300	360	180	52	450	100	540	—	35	3	30	M12	M16	SBDs 2230
	170	113	123	93	120	96	270	305	375	180	54	450	90	550	45	35	3	30	M16	M20	SBDs 3230
140	150	78	98	76	76	60	240	260	310	155	45	390	90	480	—	28	3	24	M10	M12	SBDs 3032
	200	98	123	98	110	86	270	310	368	180	55	430	110	540	40	30	3	24	M12	M16	SBDs 3132
	180	101	116	88	96	80	290	315	370	185	55	480	105	570	—	35	3	30	M12	M16	SBDs 2232
	180	118	133	98	130	104	290	330	395	190	58	490	105	600	—	35	3	30	M16	M20	SBDs 3232
150	160	78	103	83	82	67	260	280	330	165	50	420	95	510	—	35	3	30	M10	M12	SBDs 3034
	200	113	136	112	120	88	280	330	395	190	60	470	110	570	45	35	3	30	M12	M20	SBDs 3134
	190	112.5	127.5	97	104	86	310	335	400	200	60	510	110	600	—	35	4	30	M12	M16	SBDs 2234
	200	128	143	103	135	110	310	345	410	200	62	525	110	640	45	35	3	30	M16	M20	SBDs 3234
160	170	83	108	88	90	74	280	305	360	180	52	450	100	540	—	35	3	30	M12	M16	SBDs 3036
	200	118	138	116	125	96	300	350	410	200	60	490	105	600	45	35	3	30	M16	M20	SBDs 3136
	200	118	133	102	110	86	320	360	430	215	65	540	115	640	—	42	4	36	M16	M20	SBDs 2236
	210	133	148	108	140	112	320	360	430	210	65	550	120	680	45	35	3	30	M16	M20	SBDs 3236

SBD SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft

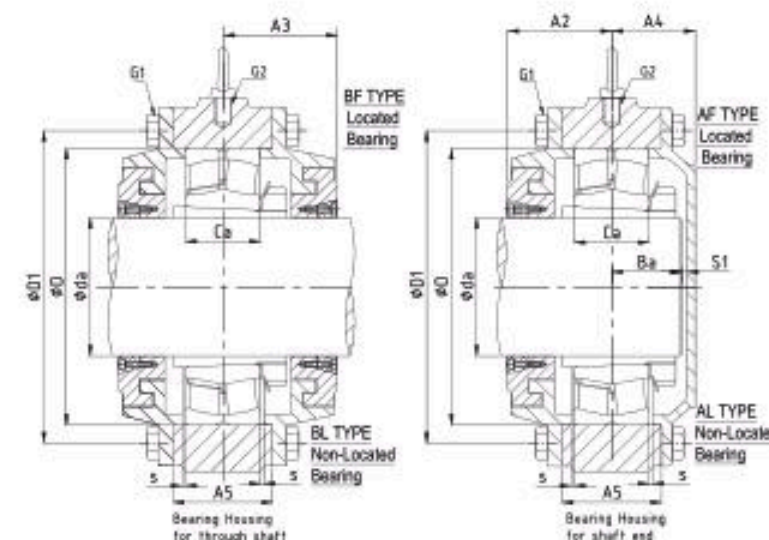


Shaft Diameter da mm	Other Dimensions		appropriate Bearing	Adapter sleeve	Masses Housing type		Adapter Ring Designation	Dimensions		Grease quantity initial fill # Housing type	
	Ba mm	S1			A kg	B kg		D2 mm	b1	A kg	B kg
170	72	8	23038 CCK/W33	H 3038	74	80	PSBD 170	205	20	1.10	1.00
	88	22	23138 CCK/W33	H 3138	146	160	PSBD 170	205	20	2.00	1.80
	82	10	22238 CCK/W33	H 3138	126	135	PSBD 170	205	20	1.80	1.60
	95	10	23238 CCK/W33	H 2338	170	185	PSBD 170	205	20	2.40	2.30
180	78	11	23040 CCK/W33	H 3040	83	90	PSBD 180	215	20	1.30	1.10
	95	22	23140 CCK/W33	H 3140	175	190	PSBD 180	215	20	2.40	2.10
	85	12	22240 CCK/W33	H 3140	145	155	PSBD 180	215	20	2.00	1.80
	100	10	23240 CCK/W33	H 2340	200	220	PSBD 180	215	20	2.60	2.50
200	80	12	23044 CCK/W33	OH 3044 H	107	115	PSBD 200	246	25	1.70	1.50
	100	25	23144 CCK/W33	OH 3144 H	205	220	PSBD 200	246	25	2.90	2.50
	95	10	22244 CCK/W33	OH 3144 H	187	200	PSBD 200	246	25	2.60	2.40
	112	11	23244 CCK/W33	OH 2344 H	270	290	PSBD 200	246	25	3.40	3.30
220	85	12	23048 CCK/W33	OH 3048 H	120	130	PSBD 220	266	25	2.00	1.70
	106	26	23148 CCK/W33	OH 3148 H	250	270	PSBD 220	266	25	3.40	3.00
	105	15	22248 CCK/W33	OH 3148 H	235	250	PSBD 220	266	25	3.60	3.40
	122	16	23248 CCK/W33	OH 2348 H	345	370	PSBD 220	266	25	4.30	4.00
240	92	13	23052 CCK/W33	OH 3052 H	153	165	PSBD 240	286	25	2.50	2.30
	118	24	23152 CCK/W33	OH 3152 H	300	320	PSBD 240	286	25	4.40	3.80
	110	13	22252 CCK/W33	OH 3152 H	290	310	PSBD 240	286	25	4.10	3.80
	132	16	23252 CCK/W33	OH 2352 H	435	470	PSBD 240	286	25	5.10	4.80
260	96	14	23056 CCK/W33	OH 3056 H	177	190	PSBD 260	306	25	2.80	2.60
	120	35	23156 CCK/W33	OH 3156 H	325	350	PSBD 260	306	25	4.80	4.20
	115	18	22256 CCK/W33	OH 3156 H	330	350	PSBD 260	306	25	5.20	4.90
	135	16	23256 CCK/W33	OH 2356 H	490	530	PSBD 260	306	25	5.50	5.00
280	105	15	23060 CCK/W33	OH 3060 H	215	230	PSBD 280	326	25	3.70	3.30
	125	32	23160 CCK/W33	OH 3160 H	400	430	PSBD 280	326	25	6.00	5.20
	120	17	22260 CCK/W33	OH 3160 H	400	430	PSBD 280	326	25	5.80	5.50
	142	33	23260 CCK/W33	OH 2360 H	590	640	PSBD 280	326	25	7.00	6.30
300	108	15	23064 CCK/W33	OH 3064 H	240	255	PSBD 300	350	30	4.20	3.80
	135	40	23164 CCK/W33	OH 3164 H	490	530	PSBD 300	350	30	7.50	6.40
	125	26	22264 CCK/W33	OH 3164 H	485	520	PSBD 300	350	30	7.90	7.50
	152	21	23264 CCK/W33	OH 2364 H	700	760	PSBD 300	350	30	8.20	7.30

Based on 100% filling

SBD SERIES

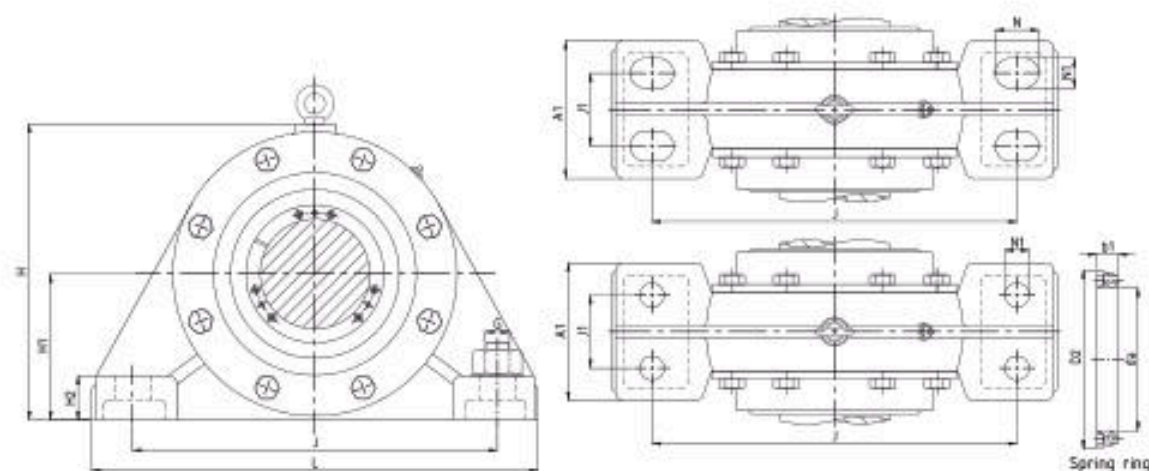
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A3	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
170	180	93	118	88	96	75	290	315	370	185	55	480	105	570		35	3	30	M12	M16	SBDs 3038
	210	123	143	120	130	104	320	370	435	210	65	550	120	680	45	30	3	36	M16	M20	SBDs 3138
	200	118	133	102	110	92	340	370	430	215	65	540	115	640		42	4	36	M16	M20	SBDs 2238
	220	138	153	113	150	120	340	385	455	220	75	560	120	710	45	35	4	30	M16	M20	SBDs 3238
180	190	97	122	97	104	82	310	340	400	200	60	510	110	600		35	4	30	M12	M16	SBDs 3040
	220	127	147	127	135	112	340	380	455	220	85	560	120	710	52	42	3	36	M16	M24	SBDs 3140
	210	122	134.5	107	118	98	360	390	450	225	70	560	120	680		42	4	36	M16	M20	SBDs 2240
	240	138	158	118	165	128	360	405	475	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3240
200	200	102	137	102	110	90	340	370	430	215	65	540	115	640		42	4	36	M16	M20	SBDs 3044
	230	135	160	135	150	120	370	420	485	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3144
	220	124.5	159.5	117	128	108	400	435	500	250	75	600	130	720		42	4	36	M16	M20	SBDs 2244
	250	148	183	133	175	144	400	445	525	260	80	700	140	850	52	42	4	36	M20	M24	SBDs 3244
220	210	102	142	107	118	92	360	390	450	225	70	560	120	680		42	4	36	M16	M20	SBDs 3048
	250	152	182	142	160	128	400	455	550	270	80	720	140	890	52	42	4	36	M20	M24	SBDs 3148
	250	130	165	132	144	120	440	490	570	285	85	690	150	820		42	5	36	M20	M24	SBDs 2248
	250	148	188	148	190	160	440	490	590	290	90	750	140	900	52	42	5	36	M20	M24	SBDs 3248
240	220	107	147	117	128	104	400	435	500	250	75	600	130	720		42	4	36	M16	M20	SBDs 3052
	250	152	187	152	175	144	440	490	590	290	90	750	140	900	52	42	4	36	M20	M24	SBDs 3152
	260	145	182.5	137	154	130	480	520	590	295	90	730	160	860		42	5	36	M20	M24	SBDs 2252
	290	167	208	158	205	174	480	535	625	310	95	800	160	960	65	42	5	36	M20	M24	SBDs 3252
260	240	117	157	122	128	106	420	455	520	260	80	630	140	760		42	5	36	M16	M20	SBDs 3056
	250	157	197	165	175	146	460	510	590	290	90	750	140	900	65	42	5	36	M24	M24	SBDs 3156
	270	152	192	147	158	130	500	555	630	315	95	770	170	900		42	5	36	M20	M24	SBDs 2256
	300	178	218	163	210	176	500	555	645	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3256
280	250	122	167	132	144	118	460	500	570	285	85	690	150	820		42	5	36	M20	M24	SBDs 3060
	300	162	207	167	190	160	500	550	655	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3160
	280	160	191	152	168	140	540	585	660	330	100	820	180	960		42	5	36	M20	M24	SBDs 2260
	330	182	222	187	230	192	540	600	705	350	105	920	180	1100	75	56	6	48	M24	M30	SBDs 3260
300	260	122	172	137	154	121	480	520	590	295	90	730	160	860		42	5	36	M20	M24	SBDs 3064
	300	177	212	187	210	176	540	590	702	350	100	940	160	1150	65	42	5	36	M24	M30	SBDs 3164
	320	175	202	167	180	150	580	640	720	360	110	900	200	1060		56	5	48	M24	M30	SBDs 2264
	360	192	237	187	250	208	580	640	760	370	115	960	200	1150	75	56	6	48	M24	M30	SBDs 3264

SBD SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft

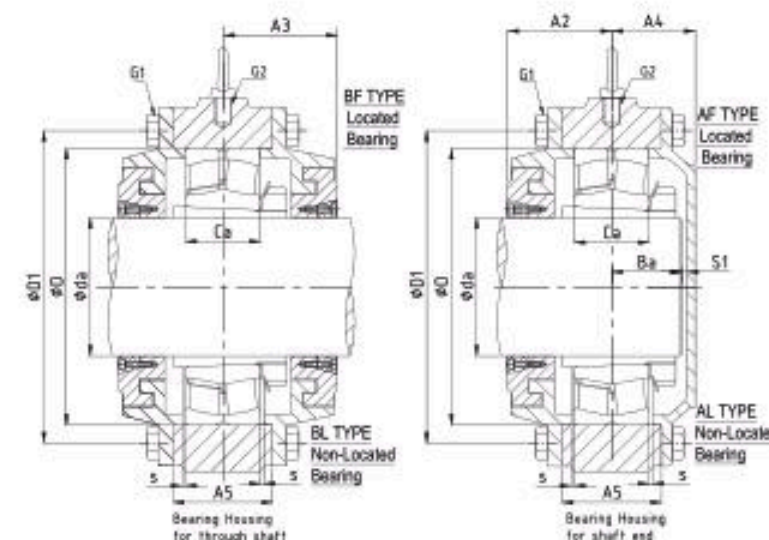


Shaft Diameter da mm	Other Dimensions		appropriate Bearing	Adapter sleeve	Masses Housing type		Adapter Ring Designation S	Dimensions		Grease quantity initial fill #	
	Ba mm	S1			A kg	B kg		D2 mm	b1	A kg	B kg
320	120	13	23068 CCK/W33	OH 3068 H	280	305	PSBD 320	370	30	5.2	4.7
	155	70	23168 CCK/W33	OH 3168 H	590	630	PSBD 320	370	30	10.0	8.2
	175	47	23268 CCK/W33	OH 3268 H	830	900	PSBD 320	370	30	9.9	8.8
340	120	17	23072 CCK/W33	OH 3072 H	315	340	PSBD 340	390	30	6.1	5.4
	160	67	23172 CCK/W33	OH 3172 H	660	700	PSBD 340	390	30	11.8	9.3
	180	51	23272 CCK/W33	OH 3272 H	950	1020	PSBD 340	390	30	12.0	10.5
360	124	17	23076 CCK/W33	OH 3076 H	350	380	PSBD 360	410	30	6.9	6.0
	165	73	23176 CCK/W33	OH 3176 H	730	770	PSBD 360	410	30	13.8	10.8
	186	55	23276 CCK/W33	OH 3276 H	1060	1140	PSBD 360	410	30	14.5	12.5
380	134	17	23080 CCK/W33	OH 3080 H	420	450	PSBD 380	430	30	8.2	7.3
	170	61	23180 CCK/W33	OH 3180 H	820	870	PSBD 380	430	30	15.5	12.5
	196	45	23280 CCK/W33	OH 3280 H	1240	1330	PSBD 380	430	30	18.0	16.0
400	135	16	23084 CCK/W33	OH 3084 H	465	500	PSBD 400	450	30	8.9	7.9
	190	51	23184 CCK/W33	OH 3184 H	1000	1070	PSBD 400	450	30	18.0	15.0
	212	39	23284 CCK/W33	OH 3284 H	1500	1600	PSBD 400	450	30	23.0	20.5

Based on 100% filling

SBD SERIES

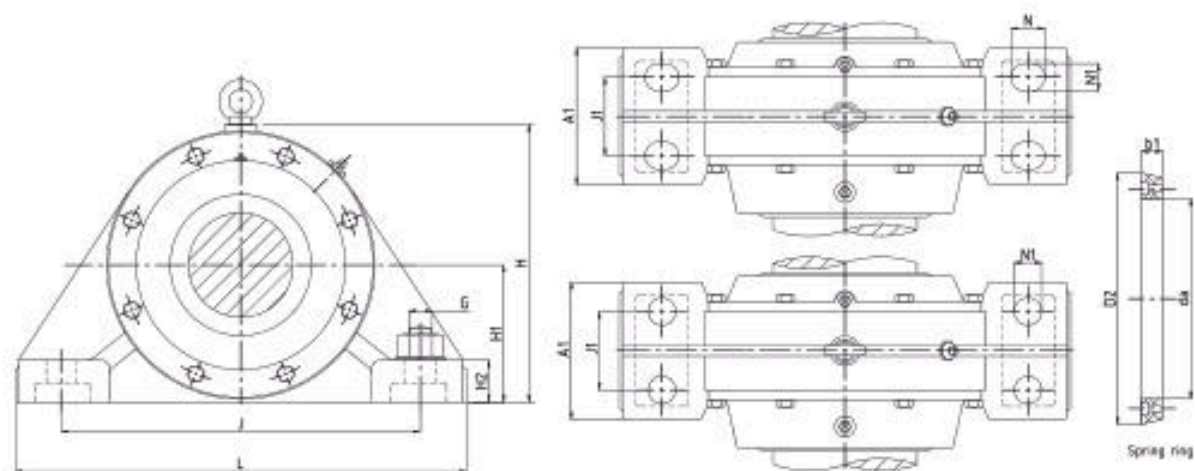
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on plain cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A3	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
320	270	132	177	147	158	133	520	565	630	315	95	770	170	900	—	42	6	36	M20	M24	SBDS 3068
	360	197	242	237	220	190	580	630	735	370	115	960	200	1150	75	56	6	48	M24	M30	SBDS 3168
	380	202	272	237	265	224	620	680	810	390	125	980	200	1200	75	60	6	56	M24	M36	SBDS 3268
340	280	132	182	152	168	134	540	585	660	330	100	820	180	960	—	42	6	36	M20	M24	SBDS 3072
	370	197	247	243	225	192	600	650	760	380	115	1000	200	1200	75	56	6	48	M24	M30	SBDS 3172
	400	227	282	247	275	232	650	710	825	410	130	1040	210	1280	80	68	7	64	M24	M36	SBDS 3272
360	300	137	187	157	168	135	560	605	680	340	105	840	190	1000	—	56	6	48	M20	M24	SBDS 3076
	380	202	257	254	230	194	620	680	790	390	125	1000	200	1200	75	60	6	56	M30	M30	SBDS 3176
	405	232	297	257	295	240	680	745	880	425	135	1100	225	1350	85	68	7	64	M30	M36	SBDS 3276
380	320	142	202	167	180	148	600	650	720	360	110	900	200	1060	—	56	6	48	M24	M30	SBDS 3080
	400	197	262	247	235	200	650	710	845	410	130	1040	210	1280	80	68	7	64	M30	M36	SBDS 3180
	450	242	307	257	300	256	720	790	905	450	145	1160	240	1430	85	68	7	64	M30	M36	SBDS 3280
400	340	147	202	167	180	150	620	670	750	375	115	940	210	1100	—	56	6	48	M24	M30	SBDS 3084
	420	212	289	257	260	224	700	760	900	450	135	1100	210	1350	85	68	7	64	M30	M36	SBDS 3184
	470	252	317	267	315	272	760	835	955	470	150	1220	255	1500	90	72	8	64	M30	M36	SBDS 3284

SBD C SERIES Plummer Blocks (Bearing Housings)

for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft

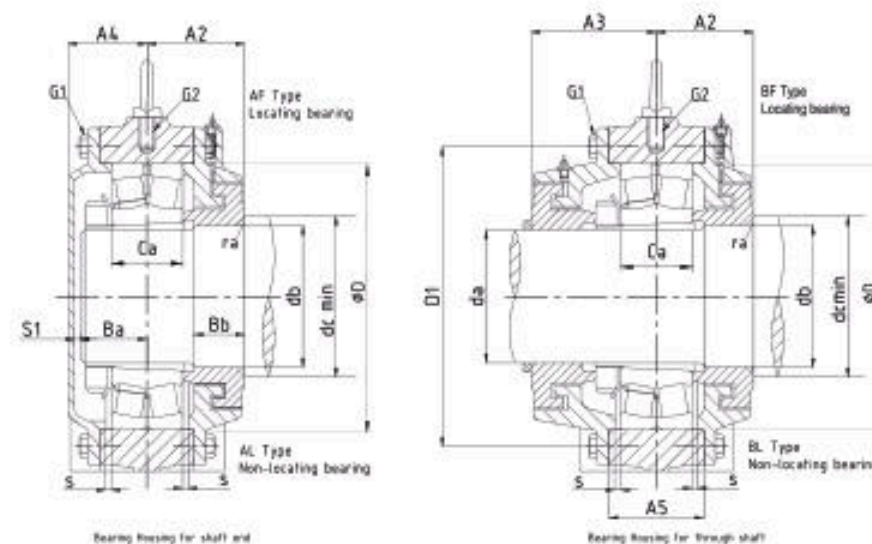


Shaft Diameter da mm	Shaft Abutment and fillet dimensions						appropriate Bearing	Adapter sleeve	Masses Housing type		Grease quantity initial fill # Housing type	
	Ba mm	Bb mm	db mm	dc mm	ra mm	S1 kg			A kg	B kg	A kg	B kg
90	45	35	102	115	4	11	22220 EK	H 320	23	25	0.9	0.4
100	52	30	112	125	4	25	23122 CCK/W33	H 3122	40	45	0.4	0.3
	50	35	112	125	4	11	22222 EK	H 322	37	40	1.0	0.5
	60	32	112	125	4	9	23222 CCK/W33	H 2322	46	50	0.6	0.5
110	48	25	122	135	4	8	23024 CCK/W33	H 3024	19	20	0.4	0.3
	56	30	122	135	4	13	23124 CCK/W33	H 3124	45	50	0.5	0.4
	55	35	122	135	4	6	22224 EK	H 3124	43	46	1.0	0.5
	64	32	122	135	4	7	23224 CCK/W33	H 2324	50	55	0.8	0.7
115	52	25	132	150	6	9	23026 CCK/W33	H 3026	28	30	0.5	0.4
	58	30	132	150	6	15	23126 CCK/W33	H 3126	50	55	0.5	0.5
	57	40	132	150	6	5	22226 EK	H 3126	52	56	1.1	0.6
	66	35	132	150	6	5	23226 CCK/W33	H 2326	60	65	0.9	0.8
125	54	25	142	160	6	7	23028 CCK/W33	H 3028	32	35	0.5	0.5
	62	30	142	160	6	16	23128 CCK/W33	H 3128	58	65	0.7	0.6
	62	40	142	160	6	13	22228 CCK/W33	H 3128	65	70	1.2	0.8
	72	35	142	160	6	9	23228 CCK/W33	H 2328	74	80	1.1	1.0
135	56	25	152	170	6	6	23030 CCK/W33	H 3030	37	40	0.6	0.6
	70	30	152	170	6	15	23130 CCK/W33	H 3130	78	85	0.9	0.9
	66	40	152	170	6	14	22230 CCK/W33	H 3130	77	82	1.2	0.9
	78	40	152	170	6	7	23230 CCK/W33	H 2330	87	95	1.3	1.3
140	62	30	162	185	8	6	23032 CCK/W33	H 3032	41	45	0.7	0.6
	75	30	162	185	8	15	23132 CCK/W33	H 3132	90	100	1.2	1.1
	72	40	162	185	8	8	22232 CCK/W33	H 3132	90	96	1.3	1.0
	84	40	162	185	8	6	23232 CCK/W33	H 2332	100	110	1.6	1.5
150	66	30	172	195	8	9	23034 CCK/W33	H 3034	50	55	0.8	0.7
	78	40	172	195	8	26	23134 CCK/W33	H 3134	100	110	1.4	1.3
	75	45	172	195	8	14	22234 CCK/W33	H 3134	103	110	1.4	1.2
	88	40	172	195	8	7	23234 CCK/W33	H 2334	130	140	1.8	1.8
160	70	30	182	205	8	10	23036 CCK/W33	H 3036	64	70	1.0	0.9
	82	40	182	205	8	26	23136 CCK/W33	H 3136	118	130	1.6	1.5
	78	45	182	205	8	14	22236 CCK/W33	H 3136	112	120	1.8	1.5
	90	45	182	205	8	10	23236 CCK/W33	H 2336	147	160	2.1	2.0

Based on 100% filling

SBD C SERIES Plummer Blocks (Bearing Housings)

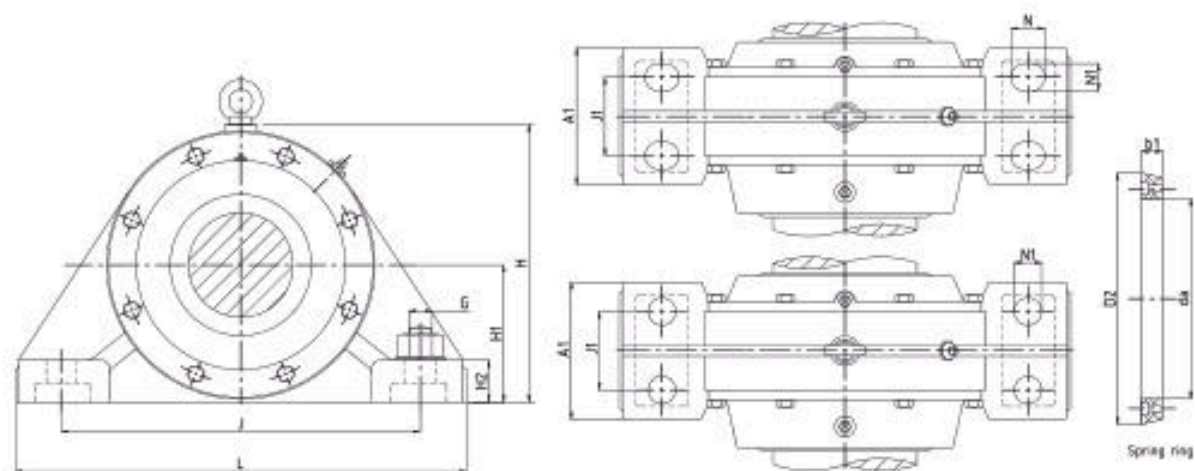
for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																	Designation
	A1 mm	A2 mm	A3 mm	A4 mm	A5 mm	Ca mm	D mm	D1 mm	H mm	H1 mm	H2 mm	J mm	J1 mm	L mm	N mm	N1 mm	S mm	
90	110	70	85	63	56	46	180	195	230	115	35	300	60	370	24	2	20	SBDS 2220 C
100	150	81	102	83	80	56	180	215	270	130	40	300	80	400	35	25	2	SBDS 3122 C
	120	78	90	68	64	53	200	215	260	130	38	340	60	410	24	2	20	SBDS 2222 C
	130	91	103	76	90	69.8	200	230	285	140	42	350	70	440	35	30	2	SBDS 3222 C
110	110	63	83	63	56	46	180	195	230	115	35	300	60	370	24	2	20	SBDS 3024 C
	140	76	93	78	85	62	200	230	285	140	40	330	80	410	35	25	2	SBDS 3124 C
	130	80.5	95.5	68	70	58	215	230	275	140	40	360	70	430	28	3	24	SBDS 2224 C
	140	93	108	78	95	76	215	245	305	150	42	370	75	470	35	30	2	SBDS 3224 C
115	120	68	88	68	64	52	200	215	260	130	38	340	60	410	24	2	20	SBDS 3026 C
	140	80	100	80	90	64	210	240	295	145	40	350	80	430	35	25	2	SBDS 3126 C
	140	88	98	70	76	64	230	245	290	145	42	370	80	455	28	3	24	SBDS 2226 C
	150	103	108	78	100	80	230	260	325	160	45	400	85	500	40	30	2	SBDS 3226 C
125	130	68	88	68	70	53	210	230	275	140	40	360	70	430	28	3	24	SBDS 3028 C
	150	85	110	85	95	68	225	260	315	155	45	380	85	470	35	25	2	SBDS 3128 C
	160	94	104	83	82	68	250	275	330	165	50	420	95	510	35	3	30	SBDS 2228 C
	160	108	118	88	110	88	250	285	350	170	50	430	85	530	40	30	3	SBDS 3228 C
135	140	73	94	70	76	56	225	245	290	145	42	370	80	455	28	3	24	SBDS 3030 C
	200	93	113	93	102	80	250	285	345	170	60	450	110	580	45	35	3	SBDS 3130 C
	170	98	108	88	90	73	270	300	360	180	52	450	100	540	35	3	30	SBDS 2230 C
	170	113	123	93	120	96	270	305	375	180	54	450	90	550	45	35	3	SBDS 3230 C
140	150	78	98	76	76	60	240	260	310	155	45	390	90	480	28	3	24	SBDS 3032 C
	200	98	123	98	110	86	270	310	368	180	55	430	110	540	40	30	3	SBDS 3132 C
	180	101	116	88	96	80	290	315	370	185	55	480	105	570	35	3	30	SBDS 2232 C
	180	118	133	98	130	104	290	330	395	190	58	490	105	600	45	35	3	SBDS 3232 C
150	160	78	103	83	82	67	260	280	330	165	50	420	95	510	35	4	30	SBDS 3034 C
	200	113	136	112	120	88	280	330	395	190	60	470	110	570	45	35	3	SBDS 3134 C
	190	112.5	127.5	97	104	86	310	335	400	200	60	510	110	600	35	4	30	SBDS 2234 C
	200	128	143	103	135	110	310	345	410	200	62	525	110	640	45	35	3	SBDS 3234 C
160	170	83	108	88	90	74	280	305	360	180	52	450	100	540	35	3	30	SBDS 3036 C
	200	118	138	116	125	96	300	350	410	200	60	490	105	600	45	35	3	SBDS 3136 C
	200	118	133	102	110	86	320	360	430	215	65	540	115	640	42	4	36	SBDS 2236 C
	210	133	148	108	140	112	320	360	430	210	65	550	120	680	45	35	3	SBDS 3236 C

SBD C SERIES Plummer Blocks (Bearing Housings)

for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft

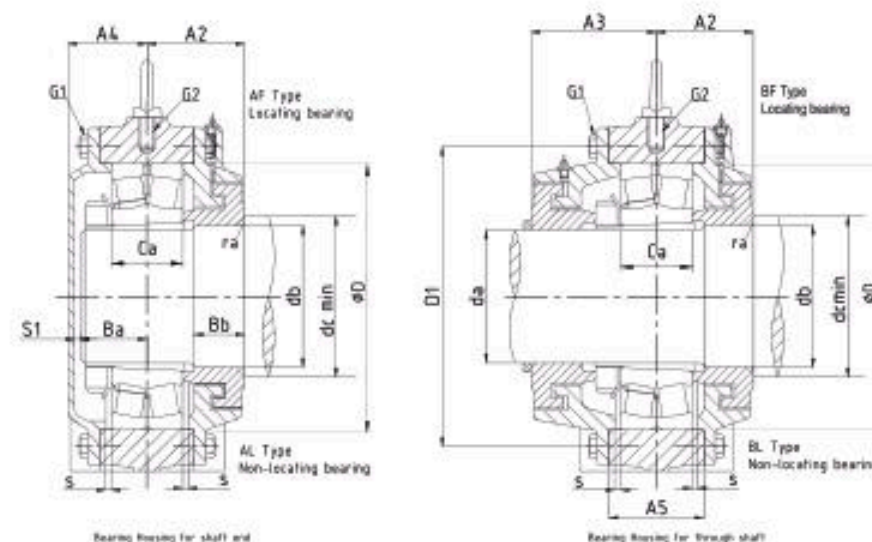


Shaft Diameter da mm	Shaft Abutment and fillet dimensions						appropriate Bearing	Adapter sleeve	Masses Housing type		Grease quantity initial fill # Housing type	
	Ba mm	Bb	db	dc	ra	S1 kg			A kg	B kg	A kg	B kg
170	72	30	192	215	8	8	23038 CCK/W33	H 3038	74	80	1.1	1.0
	88	40	192	215	8	22	23138 CCK/W33	H 3138	146	160	2.0	1.8
	82	45	192	215	8	10	22238 CCK/W33	H 3138	126	135	1.8	1.6
	95	45	192	215	8	10	23238 CCK/W33	H 2338	170	185	2.4	2.3
180	78	35	202	225	8	11	23040 CCK/W33	H 3040	83	90	1.3	1.1
	95	40	202	225	8	22	23140 CCK/W33	H 3140	175	190	2.4	2.1
	85	45	202	225	8	12	22240 CCK/W33	H 3140	145	155	2.0	1.8
	100	45	202	225	8	10	23240 CCK/W33	H 2340	200	220	2.6	2.5
200	80	35	222	245	8	12	23044 CCK/W33	OH 3044 H	107	115	1.7	1.5
	100	45	222	245	8	25	23144 CCK/W33	OH 3144 H	205	220	2.9	2.5
	95	45	222	245	8	10	22244 CCK/W33	OH 3144 H	187	200	2.6	2.4
	112	45	222	245	8	11	23244 CCK/W33	OH 2344 H	270	290	3.4	3.3
220	85	35	242	265	8	12	23048 CCK/W33	OH 3048 H	120	130	2.0	1.7
	106	50	242	265	8	26	23148 CCK/W33	OH 3148 H	250	270	3.4	3.0
	105	45	242	265	8	15	22248 CCK/W33	OH 3148 H	235	250	3.6	3.4
	122	45	242	265	8	16	23248 CCK/W33	OH 2348 H	345	370	4.3	4.0
240	92	35	262	285	8	13	23052 CCK/W33	OH 3052 H	153	165	2.5	2.3
	118	50	262	285	8	24	23152 CCK/W33	OH 3152 H	300	320	4.4	3.8
	110	50	262	285	8	13	22252 CCK/W33	OH 3152 H	290	310	4.1	3.8
	132	45	262	285	8	16	23252 CCK/W33	OH 2352 H	435	470	5.1	4.8
260	96	35	282	305	8	14	23056 CCK/W33	OH 3056 H	177	190	2.8	2.6
	120	50	282	305	8	35	23156 CCK/W33	OH 3156 H	325	350	4.8	4.2
	115	50	282	305	8	18	22256 CCK/W33	OH 3156 H	330	350	5.2	4.9
	135	50	282	305	8	16	23256 CCK/W33	OH 2356 H	490	530	5.5	5.0
280	105	35	302	325	8	15	23060 CCK/W33	OH 3060 H	215	230	3.7	3.3
	125	50	302	325	8	32	23160 CCK/W33	OH 3160 H	400	430	6.0	5.2
	120	50	302	325	8	17	22260 CCK/W33	OH 3160 H	400	430	5.8	5.5
	142	50	302	325	8	33	23260 CCK/W33	OH 3260 H	590	640	7.0	6.3
300	108	35	322	345	8	15	23064 CCK/W33	OH 3064 H	240	255	4.2	3.8
	135	50	322	345	8	40	23164 CCK/W33	OH 3164 H	490	530	7.5	6.4
	125	55	322	345	8	26	22264 CCK/W33	OH 3164 H	485	520	7.9	7.5
	152	50	322	345	8	21	23264 CCK/W33	OH 3264 H	700	760	8.2	7.3

Based on 100% filling

SBD C SERIES Plummer Blocks (Bearing Housings)

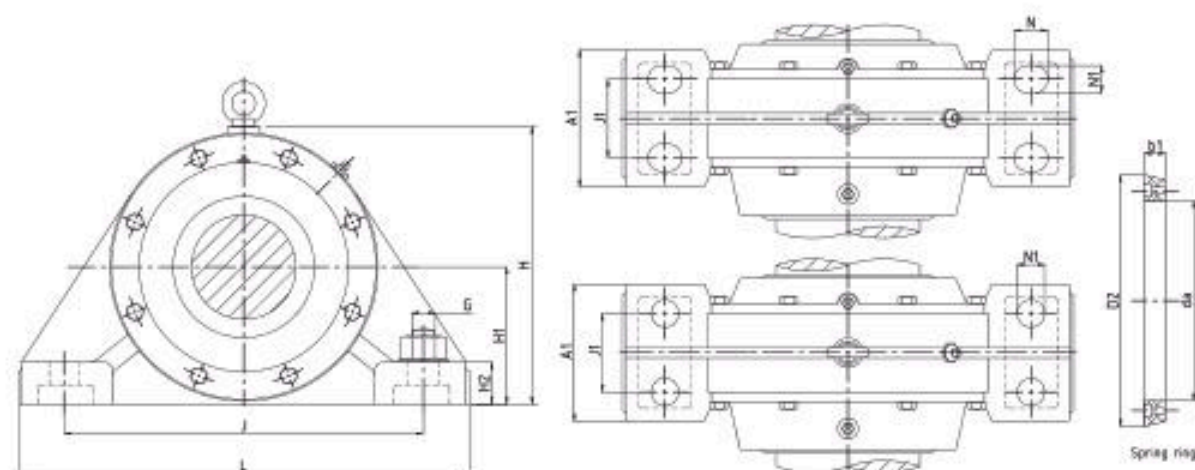
for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																			Designation	
	A1 mm	A2	A3	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
170	180	93	118	88	96	75	290	315	370	185	55	480	105	570	35	3	30	M12	M16	SBDs 3038 C	
	210	123	143	120	130	104	320	370	435	210	65	550	120	680	45	35	3	36	M16	M20	SBDs 3138 C
	200	118	133	102	110	92	340	370	430	215	65	540	115	640	42	4	36	M16	M20	SBDs 2238 C	
	220	138	153	113	150	120	340	385	455	220	75	560	120	710	45	35	4	30	M16	M20	SBDs 3238 C
180	190	97	122	97	104	82	310	340	400	200	60	510	110	600	35	4	30	M12	M16	SBDs 3040 C	
	220	127	147	127	135	112	340	380	455	220	85	560	120	710	52	42	3	36	M16	M24	SBDs 3140 C
	210	122	134.5	107	118	98	360	390	450	225	70	560	120	680	42	4	36	M16	M20	SBDs 2240 C	
	240	138	158	118	165	128	360	405	475	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3240 C
200	200	102	137	102	110	90	340	370	430	215	65	540	115	640	42	4	36	M16	M20	SBDs 3044 C	
	230	135	160	135	150	120	370	420	485	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3144 C
	220	124.5	159.5	117	128	108	400	435	500	250	75	600	130	720	42	4	36	M16	M20	SBDs 2244 C	
	250	148	183	133	175	144	400	445	525	260	80	700	140	850	52	42	4	36	M20	M24	SBDs 3244 C
220	210	102	142	107	118	92	360	390	450	225	70	560	120	680	42	4	36	M16	M20	SBDs 3048 C	
	250	152	182	142	160	128	400	455	550	270	80	720	140	890	52	42	4	36	M20	M24	SBDs 3148 C
	250	130	165	132	144	120	440	490	570	285	85	690	150	820	42	5	36	M20	M24	SBDs 2248 C	
	250	148	188	148	190	160	440	490	590	290	90	750	140	900	52	42	5	36	M20	M24	SBDs 3248 C
240	220	107	147	117	128	104	400	435	500	250	75	600	130	720	42	4	36	M16	M20	SBDs 3052 C	
	250	152	187	152	175	144	440	490	590	290	90	750	140	900	52	42	4	36	M20	M24	SBDs 3152 C
	260	145	182.5	137	154	130	480	520	590	295	90	730	160	860	42	5	36	M20	M24	SBDs 2252 C	
	290	167	208	158	205	174	480	535	625	310	95	800	160	960	65	42	5	36	M20	M24	SBDs 3252 C
260	240	117	157	122	128	106	420	455	520	260	80	630	140	760	42	5	36	M16	M20	SBDs 3056 C	
	250	157	197	165	175	146	460	510	590	290	90	750	140	900	65	42	5	36	M24	M24	SBDs 3156 C
	270	152	192	147	158	130	500	555	630	315	95	770	170	900	42	5	36	M20	M24	SBDs 2256 C	
	300	178	218	163	210	176	500	555	645	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3256 C
280	250	122	167	132	144	118	460	500	570	285	85	690	150	820	42	5	36	M20	M24	SBDs 3060 C	
	300	162	207	167	190	160	500	550	655	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3160 C
	280	160	191	152	168	140	540	585	660	330	100	820	180	960	42	5	36	M20	M24	SBDs 2260 C	
	330	182	222	187	230	192	540	600	705	350	105	920	180	1100	75	56	6	48	M24	M30	SBDs 3260 C
300	260	122	172	137	154	121	480	520	590	295	90	730	160	860	42	5	36	M20	M24	SBDs 3064 C	
	300	177	212	187	210	176	540	590	702	350	100	940	160	1150	65	42	5	36	M24	M30	SBDs 3164 C
	320	175	202	167	180	150	580	640	720	360	110	900	200	1060	56	5	48	M24	M30	SBDs 2264 C	
	360	192	237	187	250	208	580	640	760	370	115	960	200	1150	75	56	6	48	M24	M30	SBDs 3264 C

SBD C SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft

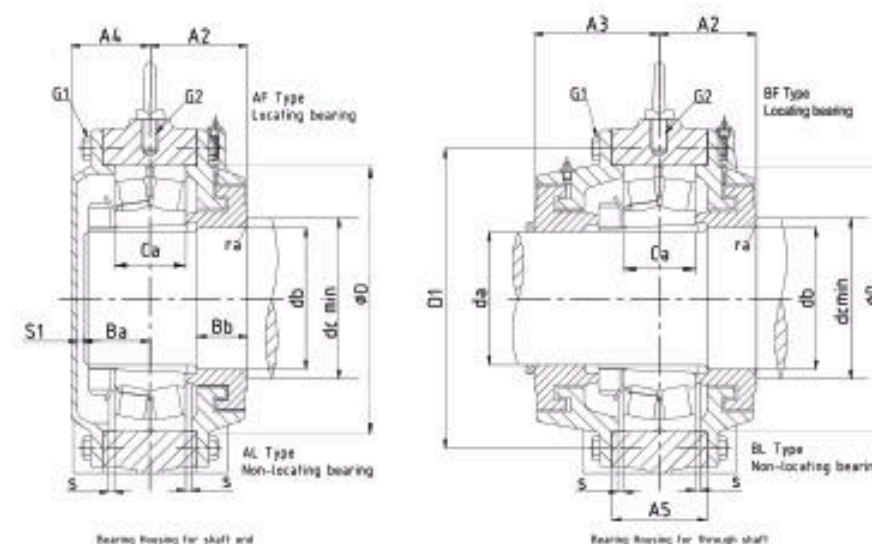


Shaft Diameter da mm	Shaft Abutment and fillet dimensions						appropriate Bearing	Adapter sleeve	Masses Housing type		Grease quantity initial fill # Housing type	
	Ba mm	Bb	db	dc	ra	S1 kg			A kg	B kg	A kg	B kg
320	120	40	342	365	8	13	23068 CCK/W33	OH 3068 H	280.0	305.0	5.20	4.70
	155	60	342	365	8	70	23168 CCK/W33	OH 3168 H	590.0	630.0	10.00	8.20
	175	50	342	365	8	47	23268 CCK/W33	OH 3268 H	830.0	900.0	9.90	8.80
340	120	40	362	385	8	17	23072 CCK/W33	OH 3072 H	315.0	340.0	6.10	5.40
	160	60	362	385	8	67	23172 CCK/W33	OH 3172 H	660.0	700.0	11.80	9.30
	180	70	362	385	8	51	23272 CCK/W33	OH 3272 H	950.0	1020.0	12.00	10.50
360	124	40	382	405	8	17	23076 CCK/W33	OH 3076 H	350.0	380.0	6.90	6.00
	165	60	382	405	8	73	23176 CCK/W33	OH 3176 H	730.0	770.0	13.80	10.80
	186	70	382	405	8	55	23276 CCK/W33	OH 3276 H	1060.0	1140.0	14.50	12.50
380	134	40	402	425	8	17	23080 CCK/W33	OH 3080 H	420.0	450.0	8.20	7.30
	170	60	402	425	8	61	23180 CCK/W33	OH 3180 H	820.0	870.0	15.50	12.50
	196	70	402	425	8	45	23280 CCK/W33	OH 3280 H	1240.0	1330.0	18.00	16.00
400	135	40	422	445	8	16	23084 CCK/W33	OH 3084 H	465.0	500.0	8.90	7.90
	190	60	422	445	8	51	23184 CCK/W33	OH 3184 H	1000.0	1070.0	18.00	15.00
	212	70	422	445	8	39	23284 CCK/W33	OH 3284 H	1500.0	1600.0	23.00	20.50

Based on 100% filling

SBD C SERIES

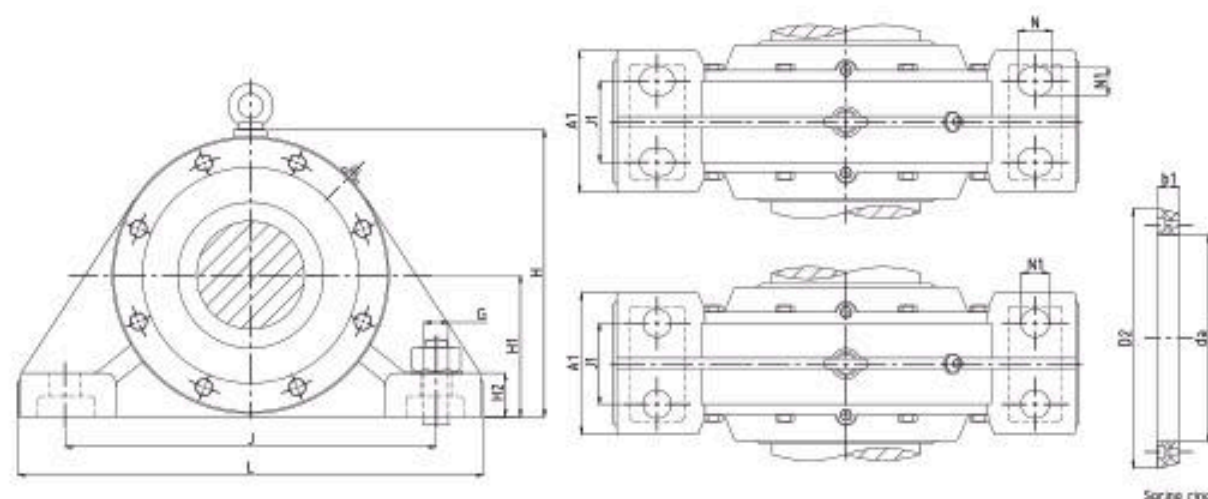
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
adapter sleeve on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A3	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
320	270	132	177	147	158	133	520	565	630	315	95	770	170	900	—	42	6	36	M20	M24	SBDS 3068 C
	360	197	242	237	220	190	580	630	735	370	115	960	200	1150	75	56	6	48	M24	M30	SBDS 3168 C
	380	202	272	237	265	224	620	680	810	390	125	980	200	1200	75	60	6	56	M24	M36	SBDS 3268 C
340	280	132	182	152	168	134	540	585	660	330	100	820	180	960	—	42	6	36	M20	M24	SBDS 3072 C
	370	197	247	243	225	192	600	650	760	380	115	1000	200	1200	75	56	6	48	M24	M30	SBDS 3172 C
	400	227	282	247	275	232	650	710	825	410	130	1040	210	1280	80	68	7	64	M24	M36	SBDS 3272 C
360	300	137	187	157	168	135	560	605	680	340	105	840	190	1000	—	56	6	48	M20	M24	SBDS 3076 C
	380	202	257	254	230	194	620	680	790	390	125	1000	200	1200	75	60	6	56	M30	M30	SBDS 3176 C
	405	232	297	257	295	240	680	745	880	425	135	1100	225	1350	85	68	7	64	M30	M36	SBDS 3276 C
380	320	142	202	167	180	148	600	650	720	360	110	900	200	1060	—	56	6	48	M24	M30	SBDS 3080 C
	400	197	262	247	235	200	650	710	845	410	130	1040	210	1280	80	68	7	64	M30	M36	SBDS 3180 C
	450	242	307	257	300	256	720	790	905	450	145	1160	240	1430	85	68	7	64	M30	M36	SBDS 3280 C
400	340	147	202	167	180	150	620	670	750	375	115	940	210	1100	—	56	6	48	M24	M30	SBDS 3084 C
	420	212	289	257	260	224	700	760	900	450	135	1100	210	1350	85	68	7	64	M30	M36	SBDS 3184 C
	470	252	317	267	315	272	760	835	955	470	150	1220	255	1500	90	72	8	64	M30	M36	SBDS 3284 C

SBD E SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft

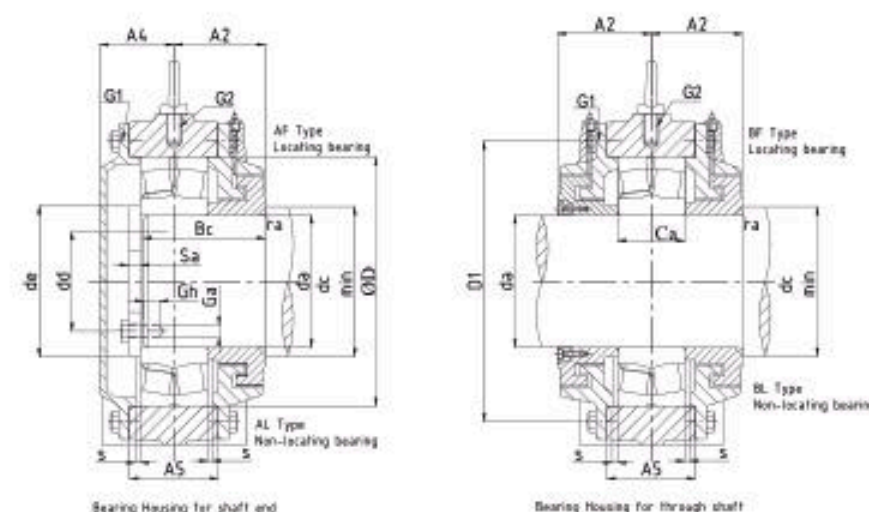


Shaft Diameter da mm	Shaft Abutment and fillet dimensions								appropriate Bearing	Adapter Ring Designation	Dimensions		Masses Housing type		Grease quantity initial fill # Housing type	
	Bc	Ga	Gh	dc	dd	de	ra	Sa			D2	b1	A	B	A	B
100	90	M10	18	115	75	115	4	10	22220 E	PSBD 100	128	18	23	25	0.9	0.4
110	107	M8	15	125	90	122	4	8	23122 CC/W33	PSBD 110	138	18	40	45	0.4	0.3
	102	M10	18	125	85	128	4	10	22222 E	PSBD 110	138	18	37	40	1.0	0.5
	123	M8	15	125	90	135	4	8	23222 CC/W33	PSBD 110	138	18	46	50	0.6	0.5
120	84	M10	18	135	95	132	4	10	23024 CC/W33	PSBD 120	148	18	19	20	0.4	0.3
	105	M8	15	135	100	133	4	8	23124 CC/W33	PSBD 120	148	18	45	50	0.5	0.4
	107	M10	18	135	95	138	4	10	22224 E	PSBD 120	148	18	43	46	1.0	0.5
	128	M10	18	135	95	145	4	10	23224 CC/W33	PSBD 120	148	18	50	55	0.8	0.7
130	92	M10	18	150	105	145	6	10	23026 CC/W33	PSBD 130	165	18	28	30	0.5	0.4
	110	M8	15	150	110	145	6	8	23126 CC/W33	PSBD 130	165	18	50	55	0.5	0.5
	117	M10	18	150	105	150	6	10	22226 E	PSBD 130	165	18	52	56	1.1	0.6
	140	M10	18	150	105	155	6	10	23226 CC/W33	PSBD 130	165	18	60	65	0.9	0.8
140	92	M10	18	160	115	155	6	10	23028 CC/W33	PSBD 140	175	20	32	35	0.5	0.5
	116	M10	18	160	115	155	6	10	23128 CC/W33	PSBD 140	175	20	58	65	0.7	0.6
	125	M10	18	160	115	162	6	10	22228 CC/W33	PSBD 140	175	20	65	70	1.2	0.8
	145	M10	18	160	115	170	6	10	23228 CC/W33	PSBD 140	175	20	74	80	1.1	1.0
150	104	M10	18	170	125	165	6	10	23030 CC/W33	PSBD 150	185	20	37	40	0.6	0.6
	130	M10	18	170	125	165	6	10	23130 CC/W33	PSBD 150	185	20	78	85	0.9	0.9
	132	M10	18	170	125	175	6	10	22230 CC/W33	PSBD 150	185	20	77	82	1.2	0.9
	158	M10	18	170	125	180	6	10	23230 CC/W33	PSBD 150	185	20	87	95	1.3	1.3
160	105	M10	18	185	135	175	8	10	23032 CC/W33	PSBD 160	195	20	41	45	0.7	0.6
	138	M10	18	185	135	178	8	10	23132 CC/W33	PSBD 160	195	20	90	100	1.2	1.1
	138	M12	20	185	130	185	8	12	22232 CC/W33	PSBD 160	195	20	90	96	1.3	1.0
	167	M12	20	185	130	190	8	12	23232 CC/W33	PSBD 160	195	20	100	110	1.6	1.5
170	109	M10	18	195	145	185	8	10	23034 CC/W33	PSBD 170	205	20	50	55	0.8	0.7
	154	M10	18	195	145	185	8	10	23134 CC/W33	PSBD 170	205	20	100	110	1.4	1.3
	152	M16	25	195	130	200	8	16	22234 CC/W33	PSBD 170	205	20	103	110	1.4	1.2
	179	M12	20	195	140	205	8	12	23234 CC/W33	PSBD 170	205	20	130	140	1.8	1.8
180	122	M10	18	205	155	195	8	10	23036 CC/W33	PSBD 180	215	20	64	70	1.0	0.9
	163	M12	20	205	150	195	8	12	23136 CC/W33	PSBD 180	215	20	118	130	1.6	1.5
	157	M16	25	205	140	210	8	16	22236 CC/W33	PSBD 180	215	20	112	120	1.8	1.5
	185	M12	20	205	150	215	8	12	23236 CC/W33	PSBD 180	215	20	147	160	2.1	2.0

Based on 100% filling

SBD E SERIES

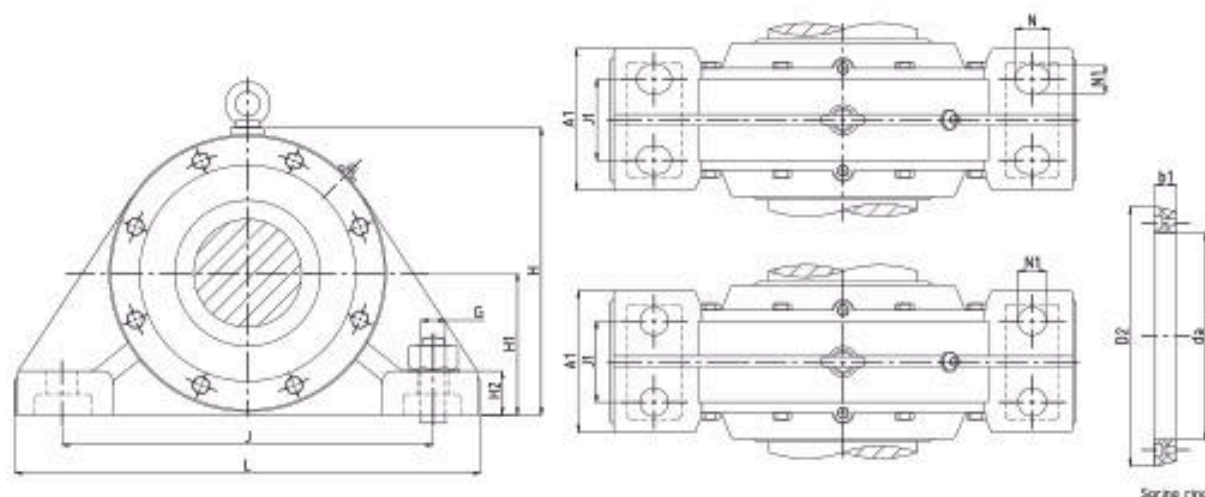
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																			Designation	
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel	
100	110	70	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBD S 2220 E	
110	150	81	83	80	56	180	215	270	130	40	300	80	400	35	25	2	20	M12	M12	SBD S 3122 E	
	120	78	68	64	53	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBD S 2222 E	
	130	91	76	90	69.8	200	230	285	140	42	350	70	440	35	30	2	24	M12	M16	SBD S 3222 E	
120	110	63	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBD S 3024 E	
	140	76	78	85	62	200	230	285	140	40	330	80	410	35	25	2	20	M12	M12	SBD S 3124 E	
	130	80.5	68	70	58	215	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBD S 2224 E	
	140	93	78	95	76	215	245	305	150	42	370	75	470	35	30	2	24	M12	M16	SBD S 3224 E	
130	120	68	68	64	52	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBD S 3026 E	
	140	80	80	90	64	210	240	295	145	40	350	80	430	35	25	2	20	M12	M12	SBD S 3126 E	
	140	88	70	76	64	230	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBD S 2226 E	
	150	103	78	100	80	230	260	325	160	45	400	85	500	40	30	2	24	M12	M16	SBD S 3226 E	
140	130	68	68	70	53	210	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBD S 3028 E	
	150	85	85	95	68	225	260	315	155	45	380	85	470	35	25	2	20	M12	M12	SBD S 3128 E	
	160	94	83	82	68	250	275	330	165	50	420	95	510	—	35	3	30	M10	M12	SBD S 2228 E	
	160	108	88	110	88	250	285	350	170	50	430	85	530	40	30	3	24	M16	M20	SBD S 3228 E	
150	140	78	70	76	56	225	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBD S 3030 E	
	200	93	93	102	80	250	285	345	170	60	450	110	580	45	35	3	24	M12	M16	SBD S 3130 E	
	170	98	88	90	73	270	300	360	180	52	450	100	540	—	35	3	30	M12	M16	SBD S 2230 E	
	170	113	93	120	96	270	305	375	180	54	450	90	550	45	35	3	30	M16	M20	SBD S 3230 E	
160	150	78	76	76	60	240	260	310	155	45	390	90	480	—	28	3	24	M10	M12	SBD S 3032 E	
	200	98	98	110	86	270	310	368	180	55	430	110	540	40	30	3	24	M12	M16	SBD S 3132 E	
	180	101	88	96	80	290	315	370	185	55	480	105	570	—	35	3	30	M12	M16	SBD S 2232 E	
	180	118	98	130	104	290	330	395	190	58	490	105	600	45	35	3	30	M16	M20	SBD S 3232 E	
170	160	78	83	82	67	260	280	330	165	50	420	95	510	—	35	3	30	M10	M12	SBD S 3034 E	
	200	113	112	120	88	280	330	395	190	60	470	110	570	45	35	3	30	M12	M20	SBD S 3134 E	
	190	112.5	97	104	86	310	335	400	200	60	510	110	600	—	35	4	30	M12	M16	SBD S 2234 E	
	200	128	103	135	110	310	345	410	200	62	525	110	640	45	35	3	30	M16	M20	SBD S 3234 E	
180	170	83	88	90	74	280	305	360	180	52	450	100	540	—	35	3	30	M12	M16	SBD S 3036 E	
	200	118	116	125	96	300	350	410	200	60	490	105	600	45	35	3	30	M16	M20	SBD S 3136 E	
	200	118	102	110	86	320	360	430	215	65	540	115	640	—	42	4	36	M16	M20	SBD S 2236 E	
	210	133	108	140	112	320	360	430	210	65	550	120	680	45	35	3	30	M16	M20	SBD S 3236 E	

SBD E SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft

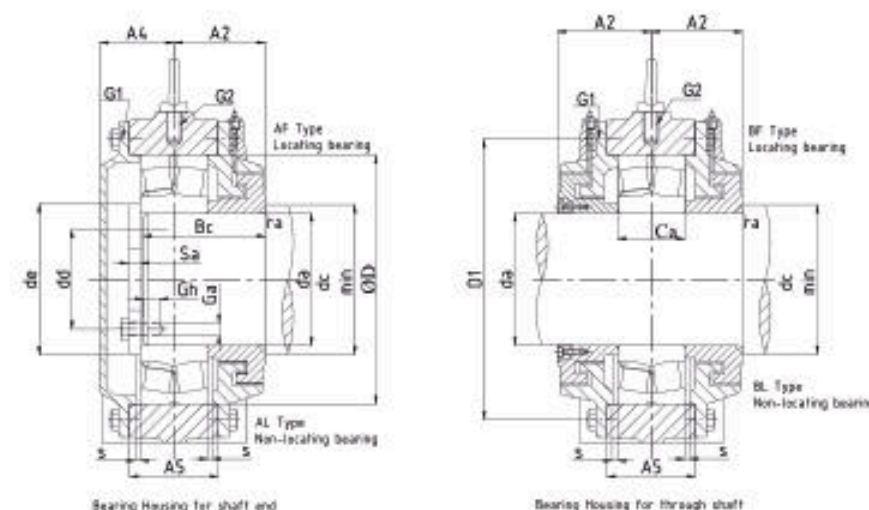


Shaft Diameter da mm	Shaft Abutment and fillet dimensions								appropriate Bearing	Adapter Ring Designation	Dimensions		Masses Housing type		Grease quantity initial fill # Housing type	
	Bc	Ga	Gh	dc	dd	de	ra	Sa			D2	b1	A	B	A	B
190	128	M12	20	215	160	205	8	12	23038 CC/W33	PSBD 190	225	20	74	80	1.1	1.0
	172	M12	20	215	160	210	8	12	23138 CC/W33	PSBD 190	225	20	146	160	2.0	1.8
	160	M16	25	215	150	220	8	16	22238 CC/W33	PSBD 190	225	20	126	135	1.8	1.6
	197	M12	20	215	160	225	8	12	23238 CC/W33	PSBD 190	225	20	170	185	2.4	2.3
200	135	M16	25	225	160	215	8	16	23040 CC/W33	PSBD 200	246	25	83	90	1.3	1.1
	180	M12	20	225	170	220	8	12	23140 CC/W33	PSBD 200	246	25	175	190	2.4	2.1
	167	M20	30	225	150	235	8	20	22140 CC/W33	PSBD 200	246	25	145	155	2.0	1.8
	198	M16	25	225	160	240	8	16	23240 CC/W33	PSBD 200	246	25	200	220	2.6	2.5
220	144	M16	25	245	180	240	8	16	23044 CC/W33	PSBD 220	266	25	107	115	1.7	1.5
	191	M16	25	245	180	245	8	16	23144 CC/W33	PSBD 220	266	25	205	220	2.9	2.5
	175	M20	30	245	170	260	8	20	22244 CC/W33	PSBD 220	266	25	187	200	2.6	2.4
	216	M16	25	245	180	265	8	16	23244 CC/W33	PSBD 220	266	25	270	290	3.4	3.3
240	145	M20	30	265	190	260	8	20	23048 CC/W3	PSBD 240	286	25	120	130	2.0	1.7
	212	M16	25	265	200	265	8	16	23148 CC/W3	PSBD 240	286	25	250	270	3.4	3.0
	186	M20	30	265	190	285	8	20	22248 CC/W3	PSBD 240	286	25	235	250	3.6	3.4
	224	M16	25	265	200	290	8	16	23248 CC/W33	PSBD 240	286	25	345	370	4.3	4.0
260	155	M20	30	285	210	285	8	20	23052 CC/W33	PSBD 260	306	25	153	165	2.5	2.3
	220	M16	25	285	220	285	8	16	23152 CC/W33	PSBD 260	306	25	300	320	4.4	3.8
	205	M20	30	285	210	325	8	20	22252 CAC/W33	PSBD 260	306	25	290	310	4.1	3.8
	249	M16	25	285	220	335	8	16	23252 CAC/W33	PSBD 260	306	25	435	470	5.1	4.8
280	166	M20	30	305	230	305	8	20	23056 CC/W33	PSBD 280	326	25	177	190	2.8	2.6
	225	M16	25	305	240	305	8	16	23156 CC/W33	PSBD 280	326	25	325	350	4.8	4.2
	212	M24	35	305	220	345	8	24	22256 CAC/W33	PSBD 280	326	25	330	350	5.2	4.9
	261	M20	30	305	230	380	8	20	23256 CAC/W33	PSBD 280	326	25	490	530	5.5	5.0
300	177	M20	30	325	250	325	8	20	23060 CC/W33	PSBD 300	350	30	215	230	3.7	3.3
	237	M20	30	325	250	325	8	20	23160 CC/W33	PSBD 300	350	30	400	430	6.0	5.2
	225	M24	35	325	240	375	8	24	22260 CAC/W33	PSBD 300	350	30	400	430	5.8	5.5
	273	M20	30	325	250	380	8	20	23260 CAC/W33	PSBD 300	350	30	590	640	7.0	6.3
320	179	M20	30	345	270	345	8	20	23064 CC/W33	PSBD 320	370	30	240	255	4.2	3.8
	260	M20	30	345	270	350	8	20	23164 CC/W33	PSBD 320	370	30	490	530	7.5	6.4
	245	M24	35	345	260	400	8	24	22264 CAC/W33	PSBD 320	370	30	485	520	7.9	7.5
	291	M24	35	345	260	410	8	24	23264 CAC/W33	PSBD 320	370	30	700	760	8.2	7.3

Based on 100% filling

SBD E SERIES

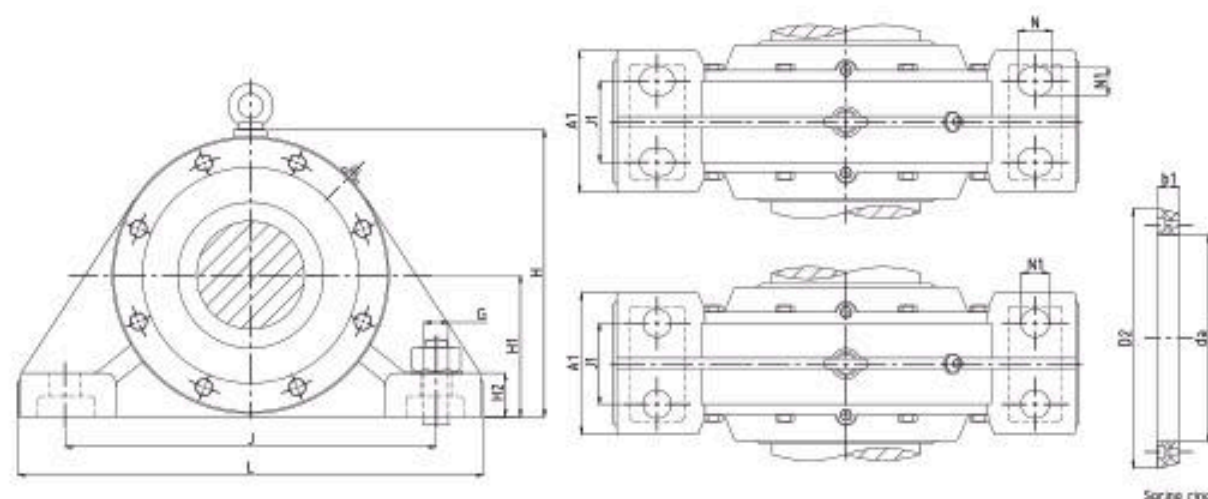
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel	
190	180	93	88	96	75	290	315	370	185	55	480	105	570	—	35	3	30	M12	M16	SBD S 3038 E	
	210	123	120	130	104	320	370	435	210	65	550	120	680	45	35	3	36	M16	M20	SBD S 3138 E	
	200	118	102	110	92	340	370	430	215	65	540	115	640	—	42	4	36	M16	M20	SBD S 2238 E	
	220	138	113	150	120	340	385	455	220	75	560	120	710	45	35	4	30	M16	M20	SBD S 2338 E	
200	190	97	97	104	82	310	340	400	200	60	510	110	600	—	35	4	30	M12	M16	SBD S 3040 E	
	220	127	127	135	112	340	380	455	220	85	560	120	710	52	42	3	36	M16	M24	SBD S 3140 E	
	210	122	107	118	98	360	390	450	225	70	560	120	680	—	42	4	36	M16	M20	SBD S 2240 E	
	240	138	118	165	128	360	405	475	235	75	640	140	780	52	42	4	36	M16	M24	SBD S 3240 E	
220	200	102	102	110	90	340	370	430	215	65	540	115	640	—	42	4	36	M16	M20	SBD S 3044 E	
	230	135	135	150	120	370	420	485	235	75	640	140	780	52	42	4	36	M16	M24	SBD S 3144 E	
	220	124.5	117	128	108	400	435	500	250	75	600	130	720	—	42	4	36	M16	M20	SBD S 2244 E	
	250	148	133	175	144	400	445	525	260	80	700	140	850	52	42	4	36	M20	M24	SBD S 3244 E	
240	210	102	107	118	92	360	390	450	225	70	560	120	680	—	42	4	36	M16	M20	SBD S 3048 E	
	250	152	142	160	128	400	455	550	270	80	720	140	890	52	42	4	36	M20	M24	SBD S 3148 E	
	250	130	132	144	120	440	490	570	285	85	690	150	820	—	42	5	36	M20	M24	SBD S 2248 E	
	250	148	148	190	160	440	490	590	290	90	750	140	900	52	42	5	36	M20	M24	SBD S 3248 E	
260	220	107	117	128	104	400	435	500	250	75	600	130	720	—	42	4	36	M16	M20	SBD S 3052 E	
	250	152	152	175	144	440	490	590	290	90	750	140	900	52	42	4	36	M20	M24	SBD S 3152 E	
	260	145	137	154	130	480	520	590	295	90	730	160	860	—	42	5	36	M20	M24	SBD S 2252 E	
	290	167	158	205	174	480	535	625	310	95	800	160	960	65	42	5	36	M20	M24	SBD S 3252 E	
280	240	117	122	128	106	420	455	520	260	80	630	140	760	—	42	5	36	M16	M20	SBD S 3056 E	
	250	157	165	175	146	460	510	590	290	90	750	140	900	65	42	5	36	M24	M24	SBD S 3156 E	
	270	152	147	158	130	500	555	630	315	95	770	170	900	—	42	5	36	M20	M24	SBD S 2256 E	
	300	178	163	210	176	500	555	645	320	100	840	170	1000	65	42	5	36	M24	M30	SBD S 3256 E	
300	250	122	132	144	118	460	500	570	285	85	690	150	820	—	42	5	36	M20	M24	SBD S 3060 E	
	300	162	167	190	160	500	550	655	320	100	840	170	1000	65	42	5	36	M24	M30	SBD S 3160 E	
	280	160	152	168	140	540	585	660	330	100	820	180	960	—	42	5	36	M20	M24	SBD S 2260 E	
	330	182	187	230	192	540	600	705	350	105	920	180	1100	75	56	6	48	M24	M30	SBD S 3260 E	
320	260	122	137	154	121	480	520	590	295	90	730	160	860	—	42	5	36	M20	M24	SBD S 3064 E	
	300	177	187	210	176	540	590	702	350	100	940	160	1150	65	42	5	36	M24	M30	SBD S 3164 E	
	320	175	167	180	150	580	640	720	360	110	900	200	1060	—	56	5	48	M24	M30	SBD S 2264 E	
	360	192	187	250	208	580	640	760	370	115	960	200	1150	75	56	6	48	M24	M30	SBD S 3264 E	

SBD E SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft

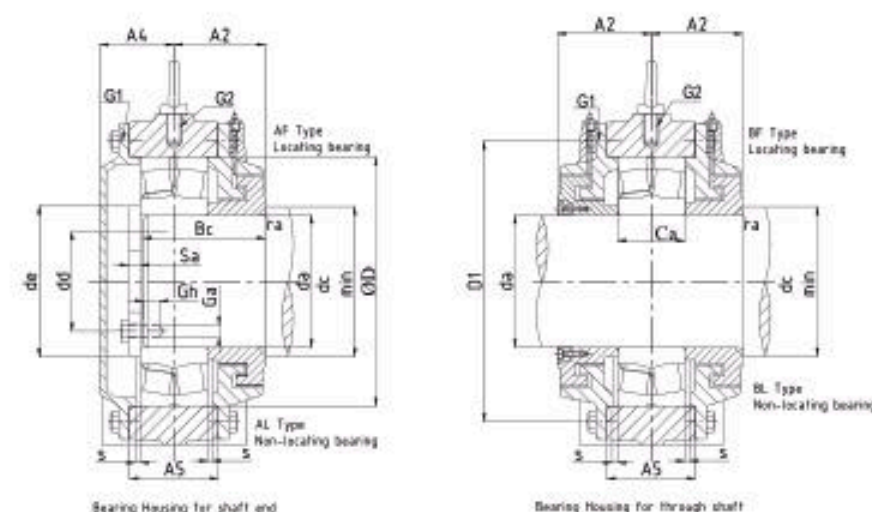


Shaft Diameter da mm	Shaft Abutment and fillet dimensions								appropriate Bearing	Adapter Ring Designation	Dimensions		Masses Housing type		Grease quantity initial fill # Housing type	
	Bc	Ga	Gh	dc	dd	de	ra	Sa			D2	b1	A	B	A	B
340	194	M24	35	365	280	370	8	24	23068 CC/W33	PSBD 340	390	30	280	305	5.2	4.7
	287	M24	35	365	280	370	8	24	23168 CCK/W33	PSBD 340	390	30	590	630	10.0	8.2
	308	M24	35	365	280	435	8	24	23268 CA/W33	PSBD 340	390	30	830	900	9.9	8.8
360	194	M24	35	385	300	390	8	24	23072 CC/W33	PSBD 360	410	30	315	340	6.1	5.4
	288	M24	35	385	300	390	8	24	23172 CAC/W33	PSBD 360	410	30	660	700	11.8	9.3
	337	M24	35	385	300	455	8	24	23272 CA/W33	PSBD 360	410	30	950	1020	12.0	10.5
380	200	M24	35	405	320	410	8	24	23076 CC/W33	PSBD 380	430	30	350	380	6.9	6.0
	294	M24	35	405	320	410	8	24	23176 CA/W33	PSBD 380	430	30	730	770	13.8	10.8
	346	M30	45	405	305	480	8	30	23276 CA/W33	PSBD 380	430	30	1080	1140	14.5	12.5
400	211	M24	35	425	340	430	8	24	23080 CAC/W33	PSBD 400	450	30	420	450	8.2	7.3
	291	M24	35	425	340	430	8	24	23180 CA/W33	PSBD 400	450	30	820	870	15.5	12.5
	364	M30	45	425	325	505	8	30	23280 CA/W33	PSBD 400	450	30	1240	1330	18.0	16.0
420	217	M30	40	445	345	450	8	30	23084 CA/W33	PSBD 420	470	30	465	500	8.9	7.9
	318	M30	45	445	345	450	8	30	23184 C/W33	PSBD 420	470	30	1000	1070	18.0	15.0
	380	M30	45	445	345	535	8	30	23284 CA/W33	PSBD 420	470	30	1500	1600	23.0	20.5

Based on 100% filling

SBD E SERIES

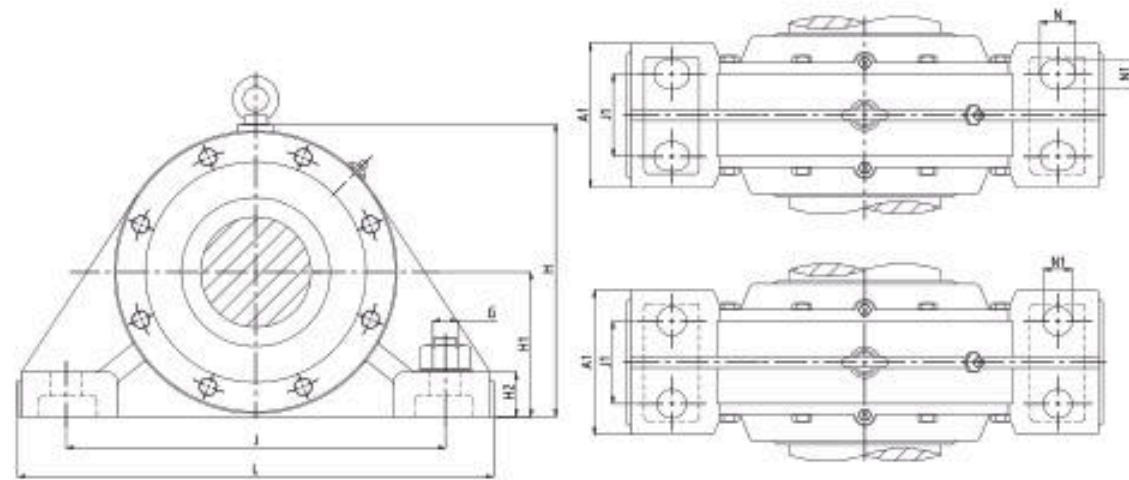
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
bore on plan cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																			Designation	
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel	
340	270	132	147	158	133	520	565	630	315	95	770	170	900	—	42	6	36	M20	M24	SBDS 3068 E	
	360	197	237	220	190	580	630	735	370	115	960	200	1150	75	56	6	48	M24	M30	SBDS 3168 E	
	380	202	237	265	224	620	680	810	390	125	980	200	1200	75	60	6	56	M24	M36	SBDS 3268 E	
360	280	132	152	168	134	540	585	660	330	100	820	180	960	—	42	6	36	M20	M24	SBDS 3072 E	
	370	197	243	225	192	600	650	760	380	115	1000	200	1200	75	56	6	48	M24	M30	SBDS 3172 E	
	400	227	247	275	232	650	710	825	410	130	1040	210	1280	80	68	7	64	M24	M36	SBDS 3272 E	
380	300	137	157	168	135	560	605	680	340	105	840	190	1000	—	56	6	48	M20	M24	SBDS 3076 E	
	380	202	254	230	194	620	680	790	390	125	1000	200	1200	75	60	6	56	M30	M30	SBDS 3176 E	
	405	232	257	295	240	680	745	880	425	135	1100	225	1350	85	68	7	64	M30	M36	SBDS 3276 E	
400	320	142	167	180	148	600	650	720	360	110	900	200	1060	—	56	6	48	M24	M30	SBDS 3080 E	
	400	197	247	235	200	650	710	845	410	130	1040	210	1280	80	68	7	64	M30	M36	SBDS 3180 E	
	450	242	257	300	256	720	790	905	450	145	1160	240	1430	85	68	7	64	M30	M36	SBDS 3280 E	
420	340	147	167	180	150	620	670	750	375	115	940	210	1100	—	56	6	48	M24	M30	SBDS 3084 E	
	420	212	257	260	224	700	760	900	450	135	1100	210	1350	85	68	7	64	M30	M36	SBDS 3184 E	
	470	252	267	315	272	760	835	955	470	150	1220	255	1500	90	72	8	64	M30	M36	SBDS 3284 E	

SBD G SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft

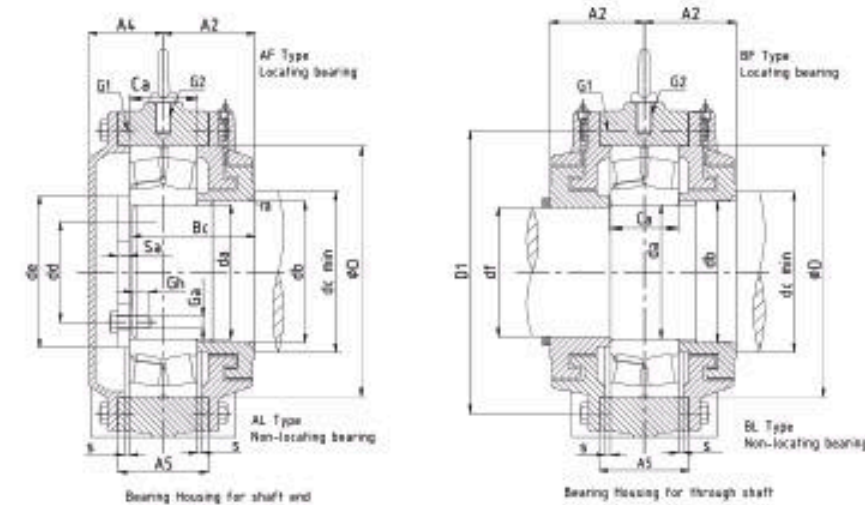


Shaft Diameter	Housing Dimension in mm											appropriate Bearing	Masses Housing type		Grease quantity initial fill # Housing type	
da	Bb	Bc	Ga	Gh	db	dc	dd	de	df	ra	Sa		A	B	A	B
mm	mm	mm			mm	mm		mm	mm				kg	kg	kg	kg
100	35	90	M10	18	102	115	75	115	98	4	10	22220 E	23	25	0.9	0.4
110	30	107	M8	15	112	125	90	122	108	4	8	23122 CC/W33	40	45	0.4	0.3
	35	102	M10	18	112	125	85	128	108	4	10	22222 E	37	40	1.0	0.5
	32	123	M8	15	112	125	90	135	108	4	8	23222 CC/W33	46	50	0.6	0.5
120	25	84	M10	18	122	135	95	132	118	4	10	23024 CC/W33	19	20	0.4	0.3
	30	105	M8	15	122	135	100	133	118	4	8	23124 CC/W33	45	50	0.5	0.4
	35	107	M10	18	122	135	95	138	118	4	10	22224 E	43	46	1.0	0.5
	32	128	M10	18	122	135	95	145	118	4	10	23224 CC/W33	50	55	0.8	0.7
130	25	92	M10	18	132	150	105	145	128	6	10	23026 CC/W33	28	30	0.5	0.4
	30	110	M8	15	132	150	110	145	128	6	8	23126 CC/W33	50	55	0.5	0.5
	40	117	M10	18	132	150	105	150	128	6	10	22226 E	52	56	1.1	0.6
	35	140	M10	18	132	150	105	155	128	6	10	23226 CC/W33	60	65	0.9	0.8
140	25	92	M10	18	142	160	115	155	138	6	10	23028 CC/W33	32	35	0.5	0.5
	30	116	M10	18	142	160	115	155	138	6	10	23128 CC/W33	58	65	0.7	0.6
	40	125	M10	18	142	160	115	162	138	6	10	22228 CC/W33	65	70	1.2	0.8
	35	145	M10	18	142	160	115	170	138	6	10	23228 CC/W33	74	80	1.1	1.0
150	25	99	M10	18	152	170	125	165	148	6	10	23030 CC/W33	37	40	0.6	0.6
	30	130	M10	18	152	170	125	165	148	6	10	23130 CC/W33	78	85	0.9	0.9
	40	132	M10	18	152	170	125	175	148	6	10	22230 CC/W33	77	82	1.2	0.9
	40	158	M10	18	152	170	125	180	148	6	10	23230 CC/W33	87	95	1.3	1.3
160	30	105	M10	18	162	185	135	175	158	8	10	23032 CC/W33	41	45	0.7	0.6
	30	138	M10	18	162	185	135	178	158	8	10	23132 CC/W33	90	100	1.2	1.1
	40	138	M12	20	162	185	130	185	158	8	12	22232 CC/W33	90	96	1.3	1.0
	40	167	M12	20	162	185	130	190	158	8	12	23232 CC/W33	100	110	1.6	1.5
170	30	109	M10	18	172	195	145	185	168	8	10	23034 CC/W33	50	55	0.8	0.7
	40	154	M10	18	172	195	145	185	168	8	10	23134 CC/W33	100	110	1.4	1.3
	45	152	M16	25	172	195	130	200	168	8	16	22234 CC/W33	103	110	1.4	1.2
	40	179	M12	20	172	195	140	205	168	8	12	23234 CC/W33	130	140	1.8	1.8
180	30	117	M10	18	182	205	155	195	178	8	10	23036 CC/W33	64	70	1.0	0.9
	40	163	M12	20	182	205	150	195	178	8	12	23136 CC/W33	118	130	1.6	1.5
	45	157	M16	25	182	205	140	210	178	8	16	22236 CC/W33	112	120	1.8	1.5
	45	185	M12	20	182	205	150	215	178	8	12	23236 CC/W33	147	160	2.1	2.0

Based on 100% filling

SBD G SERIES

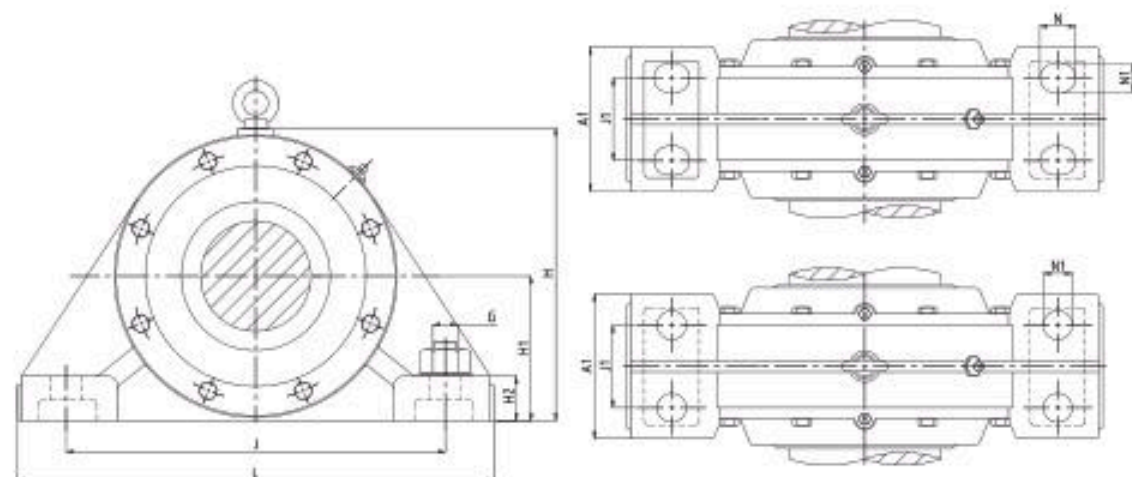
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																			Designation
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel
100	110	70	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBD S 2220 G
110	150	81	83	80	56	180	215	270	130	40	300	80	400	35	25	2	20	M12	M12	SBD S 3122 G
	120	78	68	64	53	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBD S 2222 G
	130	91	76	90	69.8	200	230	285	140	42	350	70	440	35	30	2	24	M12	M16	SBD S 3222 G
120	110	63	63	56	46	180	195	230	115	35	300	60	370	—	24	2	20	M8	M12	SBD S 3024 G
	140	76	78	85	62	200	230	285	140	40	330	80	410	35	25	2	20	M12	M12	SBD S 3124 G
	130	80.5	68	70	58	215	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBD S 2224 G
	140	93	78	95	76	215	245	305	150	42	370	75	470	35	30	2	24	M12	M16	SBD S 3224 G
130	120	68	68	64	52	200	215	260	130	38	340	60	410	—	24	2	20	M8	M12	SBD S 3026 G
	140	80	80	90	64	210	240	295	145	40	350	80	430	35	25	2	20	M12	M12	SBD S 3126 G
	140	88	70	70	64	230	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBD S 2226 G
	150	103	78	100	80	230	260	325	160	45	400	85	500	40	30	2	24	M12	M16	SBD S 3226 G
140	130	68	68	70	53	210	230	275	140	40	360	70	430	—	28	3	24	M8	M12	SBD S 3028 G
	150	85	85	95	68	225	260	315	155	45	380	85	470	35	25	2	20	M12	M12	SBD S 3128 G
	160	94	83	82	68	250	275	330	165	50	420	95	510	—	35	3	30	M10	M12	SBD S 2228 G
	160	108	88	110	88	250	285	350	170	50	430	85	530	40	30	3	24	M16	M20	SBD S 3228 G
150	140	73	70	76	56	225	245	290	145	42	370	80	455	—	28	3	24	M10	M12	SBD S 3030 G
	200	93	93	102	80	250	285	345	170	60	450	110	580	45	35	3	24	M12	M16	SBD S 3130 G
	170	98	88	90	73	270	300	360	180	52	450	100	540	—	35	3	30	M12	M16	SBD S 2230 G
	170	113	93	120	96	270	305	375	180	54	450	90	550	45	35	3	30	M16	M20	SBD S 3230 G
160	150	78	76	76	60	240	260	310	155	45	390	90	480	—	28	3	24	M10	M12	SBD S 3032 G
	200	98	98	110	86	270	310	368	180	55	430	110	540	40	30	3	24	M12	M16	SBD S 3132 G
	180	101	88	96	80	290	315	370	185	55	480	105	570	—	35	3	30	M12	M16	SBD S 2232 G
	180	118	98	130	104	290	330	395	190	58	490	105	600	45	35	3	30	M16	M20	SBD S 3232 G
170	160	78	83	82	67	260	280	330	165	50	420	95	510	—	35	3	30	M10	M12	SBD S 3034 G
	200	113	112	120	88	280	330	395	190	60	470	110	570	45	35	3	30	M12	M20	SBD S 3134 G
	190	112.5	97	104	86	310	335	400	200	60	510	110	600	—	35	4	30	M12	M16	SBD S 2234 G
	200	128	103	135	110	310	345	410	200	62	525	110	640	45	35	3	30	M16	M20	SBD S 3234 G
180	170	83	88	90	74	280	305	360	180	52	450	100	540	—	35	3	30	M12	M16	SBD S 3036 G
	200	118	116	125	96	300	350	410	200	60	490	105	600	45	35	3	30	M16	M20	SBD S 3136 G
	200	118	102	110	86	320	360	430	215	65	540	115	640	—	42	4	36	M16	M20	SBD S 2236 G
	210	133	108	140	112	320	360	430	210	65	550	120	680	45	35	3	30	M16	M20	SBD S 3236 G

SBD G SERIES

Plummer Blocks (Bearing Housings)
for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft

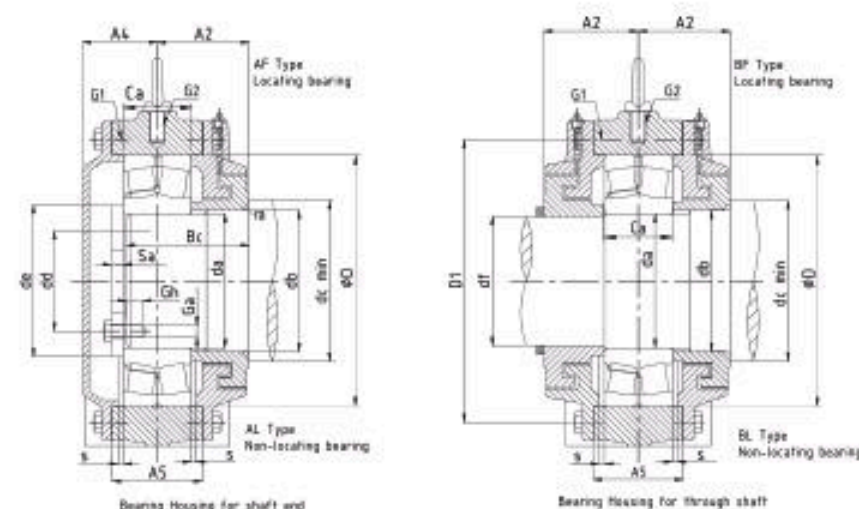


Shaft Diameter da	Housing Dimension in mm											appropriate Bearing	Masses Housing type		Grease quantity initial fill # Housing type	
	Bb	Bc	Ga	Gh	db	dc min	dd	de	df	ra	Sa		A kg	B kg	A kg	B kg
190	30	128	M12	20	192	215	160	205	188	8	12	23038 CC/W33	74	80	1.1	1.0
	40	172	M12	20	192	215	160	210	188	8	12	23138 CC/W33	146	160	2.0	1.8
	45	160	M16	25	192	215	150	220	188	8	16	22238 CC/W33	126	135	1.8	1.6
	45	197	M12	20	192	215	160	225	188	8	12	23238 CC/W33	170	185	2.4	2.3
200	35	135	M16	25	202	225	160	215	198	8	16	23040 CC/W33	83	90	1.3	1.1
	40	180	M12	20	202	225	170	220	198	8	12	23140 CC/W33	175	190	2.4	2.1
	45	167	M20	30	202	225	150	235	198	8	20	22240 CC/W33	145	155	2.0	1.8
	45	198	M16	25	202	225	160	240	198	8	16	23240 CC/W33	200	220	2.6	2.5
220	35	144	M16	25	222	245	180	240	218	8	16	23044 CC/W33	107	115	1.7	1.5
	45	191	M16	25	222	245	180	245	218	8	16	23144 CC/W33	205	220	2.9	2.5
	45	175	M20	30	222	245	170	260	218	8	20	22244 CC/W33	187	200	2.6	2.4
	45	216	M16	25	222	245	180	265	218	8	16	23244 CC/W33	270	290	3.4	3.3
240	35	145	M20	30	242	265	190	260	238	8	20	23048 CC/W3	120	130	2.0	1.7
	50	212	M16	25	242	265	200	265	238	8	16	23148 CC/W3	250	270	3.4	3.0
	45	186	M20	30	242	265	190	285	238	8	20	22248 CC/W3	235	250	3.6	3.4
	45	224	M16	25	242	265	200	290	238	8	16	23248 CC/W33	345	370	4.3	4.0
260	35	155	M20	30	262	285	210	285	258	8	20	23052 CC/W33	153	165	2.5	2.3
	50	220	M16	25	262	285	220	285	258	8	16	23152 CC/W33	300	320	4.4	3.8
	50	205	M20	30	262	285	210	325	258	8	20	22252 CAC/W33	290	310	4.1	3.8
	45	249	M16	25	262	285	220	335	258	8	16	23252 CAC/W33	435	470	5.1	4.8
280	35	166	M20	30	282	305	230	305	278	8	20	23056 CC/W33	177	190	2.8	2.6
	50	225	M16	25	282	305	240	305	278	8	16	23156 CC/W33	325	350	4.8	4.2
	50	212	M24	35	282	305	220	345	278	8	24	22256 CAC/W33	330	350	5.2	4.9
	50	261	M20	30	282	305	230	380	278	8	20	23256 CAC/W33	490	530	5.5	5.0
300	35	177	M20	30	302	325	250	325	298	8	20	23060 CC/W33	215	230	3.7	3.3
	50	237	M20	30	302	325	250	325	298	8	20	23160 CC/W33	400	430	6.0	5.2
	50	225	M24	35	302	325	240	375	298	8	24	22260 CAC/W33	400	430	5.8	5.5
	50	273	M20	30	302	325	250	380	298	8	20	23260 CAC/W33	590	640	7.0	6.3
320	35	179	M20	30	322	345	270	345	318	8	20	23064 CC/W33	240	255	4.2	3.8
	50	260	M20	30	322	345	270	350	318	8	20	23164 CC/W33	490	530	7.5	6.4
	55	245	M24	35	322	345	260	400	318	8	24	22264 CAC/W33	485	520	7.9	7.5
	50	291	M24	35	322	345	260	410	318	8	24	23264 CAC/W33	700	760	8.2	7.3

Based on 100% filling

SBD G SERIES

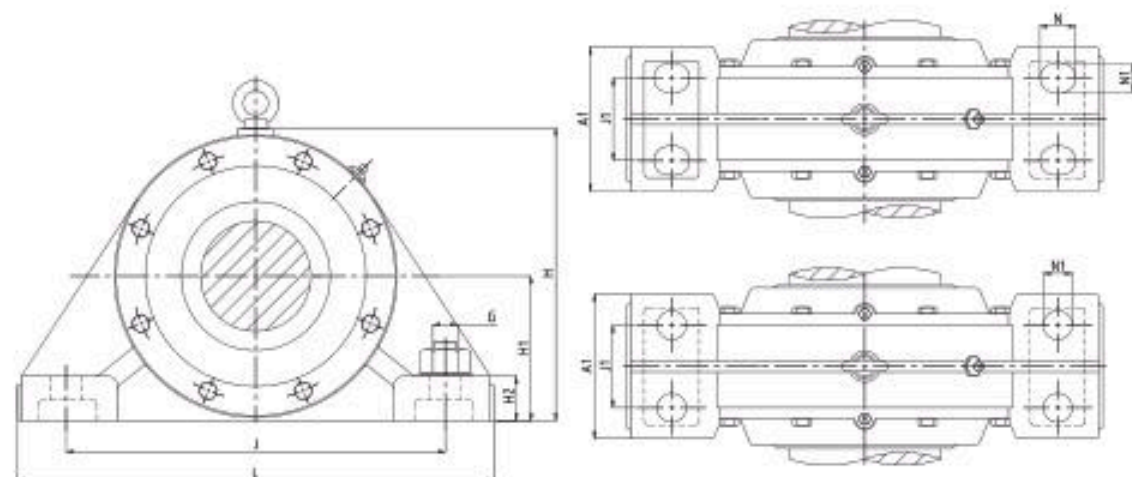
Plummer Blocks (Bearing Housings)
for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																				Designation
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel	
190	180	93	88	96	75	290	315	370	185	55	480	105	570	—	35	3	30	M12	M16	SBDs 3038 G	
	210	123	120	130	104	320	370	435	210	65	550	120	680	45	35	3	36	M16	M20	SBDs 3138 G	
	200	118	102	110	92	340	370	430	215	65	540	115	640	—	42	4	36	M16	M20	SBDs 2238 G	
	220	138	113	150	120	340	385	455	220	75	560	120	710	45	35	4	30	M16	M20	SBDs 3238 G	
200	190	97	97	104	82	310	340	400	200	60	510	110	600	—	35	4	30	M12	M16	SBDs 3040 G	
	220	127	127	135	112	340	380	455	220	85	560	120	710	52	42	3	36	M16	M24	SBDs 3140 G	
	210	122	107	118	98	360	390	450	225	70	560	120	680	—	42	4	36	M16	M20	SBDs 2240 G	
	240	138	118	165	128	360	405	475	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3240 G	
220	200	102	102	110	90	340	370	430	215	65	540	115	640	—	42	4	36	M16	M20	SBDs 3044 G	
	230	135	135	150	120	370	420	485	235	75	640	140	780	52	42	4	36	M16	M24	SBDs 3144 G	
	220	124.5	117	128	108	400	435	500	250	75	600	130	720	—	42	4	36	M16	M20	SBDs 2244 G	
	250	148	133	175	144	400	445	525	260	80	700	140	850	52	42	4	36	M20	M24	SBDs 3244 G	
240	210	102	107	118	92	360	390	450	225	70	560	120	680	—	42	4	36	M16	M20	SBDs 3048 G	
	250	152	142	160	128	400	455	550	270	80	720	140	890	52	42	4	36	M20	M24	SBDs 3148 G	
	250	130	132	144	120	440	490	570	285	85	690	150	820	—	42	5	36	M20	M24	SBDs 2248 G	
	250	148	148	190	160	440	490	590	290	90	750	140	900	52	42	5	36	M20	M24	SBDs 3248 G	
260	220	107	117	128	104	400	435	500	250	75	600	130	720	—	42	4	36	M16	M20	SBDs 3052 G	
	250	152	152	175	144	440	490	590	290	90	750	140	900	52	42	4	36	M20	M24	SBDs 3152 G	
	260	145	137	154	130	480	520	590	295	90	730	160	860	—	42	5	36	M20	M24	SBDs 2252 G	
	290	167	158	205	174	480	535	625	310	95	800	160	960	65	42	5	36	M20	M24	SBDs 3252 G	
280	240	117	122	128	106	420	455	520	260	80	630	140	760	—	42	5	36	M16	M20	SBDs 3056 G	
	250	157	165	175	146	460	510	590	290	90	750	140	900	65	42	5	36	M24	M24	SBDs 3156 G	
	270	152	147	158	130	500	555	630	315	95	770	170	900	—	42	5	36	M20	M24	SBDs 2256 G	
	300	178	163	210	176	500	555	645	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3256 G	
300	250	122	132	144	118	460	500	570	285	85	690	150	820	—	42	5	36	M20	M24	SBDs 3060 G	
	300	162	167	190	160	500	550	655	320	100	840	170	1000	65	42	5	36	M24	M30	SBDs 3160 G	
	280	160	152	168	140	540	585	660	330	100	820	180	960	—	42	5	36	M20	M24	SBDs 2260 G	
	330	182	187	230	192	540	600	705	350	105	920	180	1100	75	56	6	48	M24	M30	SBDs 3260 G	
320	260	122	137	154	121	480	520	590	295	90	730	160	860	—	42	5	36	M20	M24	SBDs 3064 G	
	300	177	187	210	176	540	590	702	350	100	940	160	1150	65	42	5	36	M24	M30	SBDs 3164 G	
	320	175	167	180	150	580	640	720	360	110	900	200	1060	—	56	5	48	M24	M30	SBDs 2264 G	
	360	192	187	250	208	580	640	760	370	115	960	200	1150	75	56	6	48	M24	M30	SBDs 3264 G	

SBD G SERIES Plummer Blocks (Bearing Housings)

for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft

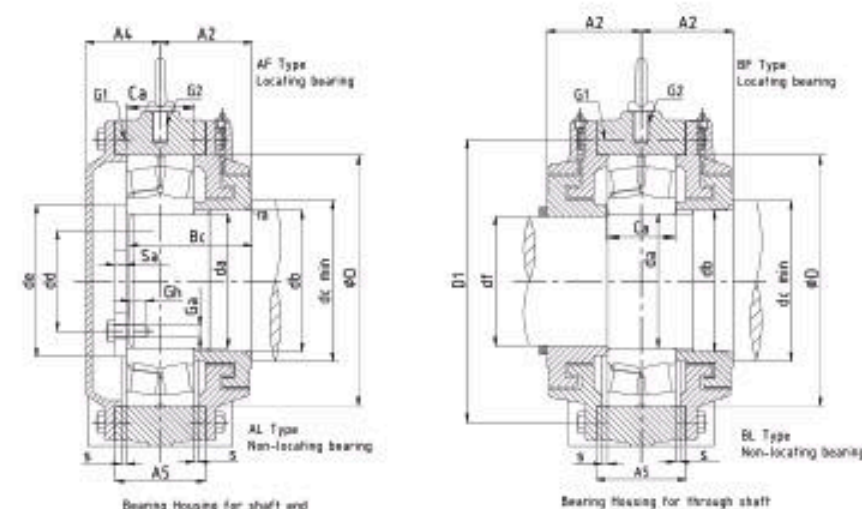


Shaft Diameter	Housing Dimension in mm											appropriate Bearing	Masses Housing type		Grease quantity initial fill # Housing type	
da	Bb mm	Bc mm	Ga	Gh	db	dc min	dd	de	df	ra	Sa		A kg	B kg	A kg	B kg
340	40	194	M24	35	342	365	280	370	338	8	24	23068 CC/W33	280	305	5.2	4.7
	60	287	M24	35	342	365	280	370	338	8	24	23168 CC/W33	590	630	10.0	8.2
	50	308	M24	35	342	365	280	435	338	8	24	23268 CA/W33	830	900	9.9	8.8
360	40	194	M24	35	362	385	300	390	358	8	24	23072 CC/W33	315	340	6.1	5.4
	60	288	M24	35	362	385	300	390	358	8	24	23172 CAC/W33	660	700	11.8	9.3
	70	337	M24	35	362	385	300	455	358	8	24	23272 CA/W33	950	1020	12.0	10.5
380	40	200	M24	35	382	405	320	410	378	8	24	23076 CC/W33	350	380	6.9	6.0
	60	294	M24	35	382	405	320	410	378	8	24	23176 CA/W33	730	770	13.8	10.8
	70	346	M30	45	382	405	305	480	378	8	30	23276 CA/W33	1060	1140	14.5	12.5
400	40	211	M24	35	402	425	340	430	398	8	24	23080 CAC/W33	420	450	8.2	7.3
	60	291	M24	35	402	425	340	430	398	8	24	23180 CA/W33	820	870	15.5	12.5
	70	364	M30	45	402	425	325	505	398	8	30	23280 CA/W33	1240	1330	18.0	16.0
420	40	217	M30	40	422	445	345	450	418	8	30	23084 CA/W33	485	500	8.9	7.9
	60	318	M30	45	422	445	345	450	418	8	30	23184 C/W33	1000	1070	18.0	15.0
	70	380	M30	45	422	445	345	535	418	8	30	23284 CA/W33	1500	1600	23.0	20.5

Based on 100% filling

SBD G SERIES Plummer Blocks (Bearing Housings)

for spherical roller bearings with
cylindrical shaft on stepped cylindrical shaft



Shaft Diameter da mm	Housing Dimension in mm																			Designation	
	A1 mm	A2	A4	A5	Ca	D	D1	H	H1	H2	J	J1	L	N	N1	S	G	G1	G2	Housing of Cast Steel	
340	270	132	147	158	133	520	565	630	315	95	770	170	900	—	42	6	36	M20	M24	SBDS 3068 G	
	360	197	237	220	190	580	630	735	370	115	960	200	1150	75	56	6	48	M24	M30	SBDS 3168 G	
	380	202	237	265	224	620	680	810	390	125	980	200	1200	75	60	6	56	M24	M36	SBDS 3268 G	
360	280	132	152	168	134	540	585	660	330	100	820	180	960	—	42	6	36	M20	M24	SBDS 3072 G	
	370	197	243	225	192	600	650	760	380	115	1000	200	1200	75	56	6	48	M24	M30	SBDS 3172 G	
	400	227	247	275	232	650	710	825	410	130	1040	210	1280	80	68	7	64	M24	M36	SBDS 3272 G	
380	300	137	157	168	135	560	605	680	340	105	840	190	1000	—	56	6	48	M20	M24	SBDS 3076 G	
	380	202	254	230	194	620	680	790	390	125	1000	200	1200	75	60	6	56	M30	M30	SBDS 3176 G	
	405	232	257	295	240	680	745	880	425	135	1100	225	1350	85	68	7	64	M30	M36	SBDS 3276 G	
400	320	142	167	180	148	600	650	720	360	110	900	200	1060	—	56	6	48	M24	M30	SBDS 3080 G	
	400	197	247	235	200	650	710	845	410	130	1040	210	1280	80	68	7	64	M30	M36	SBDS 3180 G	
	450	242	257	300	256	720	790	905	450	145	1160	240	1430	85	68	7	64	M30	M36	SBDS 3280 G	
420	340	147	167	180	150	620	670	750	375	115	940	210	1100	—	56	6	48	M24	M30	SBDS 3084 G	
	420	212	257	260	224	700	760	900	450	135	1100	210	1350	85	68	7	64	M30	M36	SBDS 3184 G	
	470	252	267	315	272	760	835	955	470	150	1220	255	1500	90	72	8	64	M30	M36	SBDS 3284 G	

THD SERIES BEARING HOUSINGS

The THD series housing is non-split single-piece bearing housing which is known as take-up housing. They are widely used for take-up pulleys for conveyor belt tensioning applications. They are designed to accommodate heavy loads acting in different directions. THD series are quite sturdy and highly reliable bearing housings.

THD housing is a special design for take-up application, supported by matching guides on the frame to maintain tension in a conveyor belt. The tension on a conveyor belt is maintained by sliding the THD housing assembly in the guiding rail from time to time. THD housings are also used in roller belt equipment, crushers, fans and blowers, Agricultural equipment, etc.

TECHNICAL DETAIL AND PRODUCT FEATURE

- THD housing provides a high degree of stiffness and can accommodate heavy radial loads in all directions as well as some axial loads. The design allows radial forces from belt tension to be transmitted through the housing and mounting frame center line.
- They are designed as narrow widths so that they can be used where space is limited.
- THD housings are provided two covers on their sides which are machined to provide suitable grooves for located bearing and non-located bearing. No separate locating ring is used. Hence, it is necessary to specify such requirements while ordering a THD housing.



THD SERIES BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

- The take-up unit has machined guides on its top and bottom sides, which can be assembled in a fixed channel frame to provide smooth sliding in the guide rail for tensioning the conveyor belt.
- At one end suitable form arms are extended to facilitate the use of anchor pins for the fitment of a screw for tightening the conveyor belt.
- THD housings are supplied with a specially designed labyrinth seal. The labyrinth rings are locked on the shaft with tapered adapter rings, which hold the labyrinth seal securely on the shaft.
- THD housings are suitable for grease lubrication. The housings have ducts to supply grease directly to seal and additionally, a grease nipple can also be provided for relubrication. During initial assembly, normally the free space in the bearing and the free space in housing should be filled with grease a max 80% of its inside volume to ensure sufficient lubrication.
- For the THD series Double/ Triple groove type Labyrinth seal is available:
 - a. Labyrinth Seal : TS

b. Taconite seal : (in special cases, with some modification, heavy-duty taconite seal can be provided)

- Four-dimensional Series are available in SBD housings:

THD 2200 - suitable for bearing SERIES 222...K with adapter sleeve.

THD 3000 - suitable for bearing SERIES 230...K with adapter sleeve.

THD 3100 - suitable for bearing SERIES 231...K with adapter sleeve.

THD 3200 - suitable for bearing SERIES 232...K with adapter sleeve.

- Material for THD series:

The following options are available, which allow a user to select his suitability depending upon the loading condition for bearing housing.

- a. Graded Cast Iron : Gr FG 260 (IS 210) THDC
- b. Cast Steel : Gr 230-450 (IS 1030) THDS
- c. SG (Ductile) Iron : Gr 400/15 (IS 1865) THDD



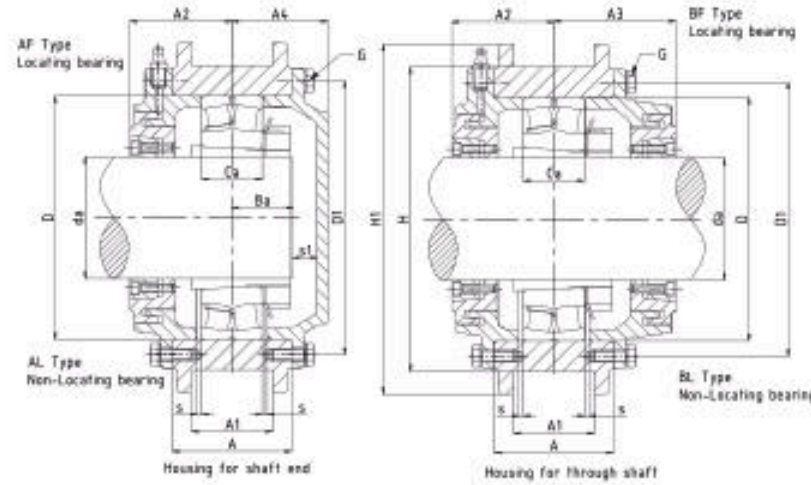
Isometric View



Section View

THD TAKE-UP HOUSINGS

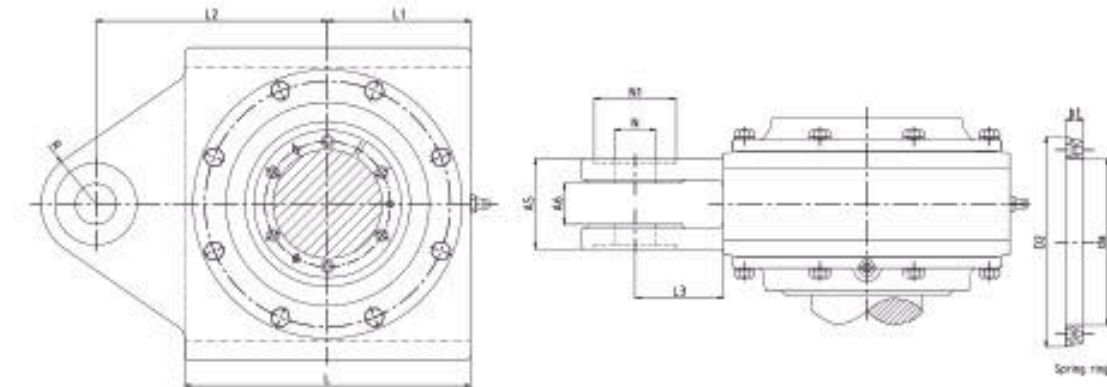
for spherical roller bearings with
adapter sleeve on plain cylindrical shafts



Shaft Diameter da mm	Housing Dimension																							Designation
	A	A1	A2	A3	A4	A5	A6	Ba	D1	H	H1	L	L1	L2	L3	N	N1	R	s1	G	Ca	D	s	
50	60	34	49	55	38	42	22	27	115	150	135	150	75	105	30	20	40	30	5	M 8	25	100	1.5	THDS 2211
55	66	43	50	60	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M 8	28	110	1.5	THDS 2212
60	78	53	50	63	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M 8	31	120	1.5	THDS 2213
70	78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M 8	33	140	2	THDS 2216
80	78	53	67	83	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M 8	40	160	3	THDS 2218
90	69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M 8	46	180	2	THDS 2220
100	78	53	85	97	75	76	40	50	215	270	240	255	125	200	70	40	75	45	18	M 8	53	200	3	THDS 2222
	90	53	91	103	76	100	44	60	230	300	270	270	135	195	60	50	95	60	9	M 12	69.8	200	2	THDS 3222
110	78	53	84	99	72	76	40	55	230	290	260	275	135	210	70	40	75	45	10	M 8	58	215	3	THDS 2224
	95	53	93	108	78	100	44	64	245	310	280	290	145	205	60	50	95	60	7	M 12	76	215	2	HDS 3224
115	100	63	103	108	79	112	52	66	260	335	305	300	155	220	75	60	110	70	5	M 12	80	230	2	THDS 3226
125	83	53	80	102	90	74	40	62	275	330	300	315	155	230	70	40	70	45	20	M 12	68	250	3	THDS 2228
	110	63	108	118	88	112	52	72	290	360	330	330	170	235	75	60	90	70	8	M 16	88	250	3	THDS 3228
135	85	45	77.5	98.5	74.5	150	60	56	245	320	290	280	140	235	90	50	95	70	10	M 10	56	225	3	THDS 3030
	120	73	113	123	93	126	62	78	305	385	355	360	180	260	80	70	120	80	7	M 16	96	270	3	THDS 3230
140	116	74	101	126	101	132	62	75	310	370	340	370	185	350	160	61	110	90	18	M 12	68	270	3	THDS 3132
	130	83	118	133	98	126	62	84	330	400	370	380	190	270	80	70	120	80	6	M 16	104	290	3	THDS 3232
150	102	63	88	113	93	112	52	66	295	360	330	325	165	255	90	45	100	70	20	M 10	67	260	2	THDS 3034
	120	63	113	136	100	122	62	78	330	380	350	375	190	395	160	60	160	80	17	M 12	88	280	3	THDS 3134
160	120	60	115.5	135.5	113.5	130	64	82	350	440	410	400	200	360	85	80	140	100	23.5	M 16	96	300	3	THDS 3136
	140	93	133	148	108	140	72	90	360	450	410	420	210	300	90	80	140	90	10	M 16	112	320	3	THDS 3236
170	112	73	101	126	96	165	90	72	315	390	360	380	195	350	130	45	120	70	16	M 12	75	290	3	THDS 3038
	140	93	128	148	108	140	72	88	365	450	410	420	210	300	90	80	140	90	12	M 16	104	320	3	THDS 3138
180	125	83	107	133	108	125	62	78	340	430	400	390	200	275	85	70	120	80	22	M 12	82	310	3	THDS 3040
	138	90	115	148.5	120	128	62	95	380	440	420	440	220	300	80	60	110	80	15	M 16	112	340	3	THDS 3140
	165	103	138	158	118	140	72	100	405	500	460	470	235	325	90	80	140	90	10	M 16	128	360	4	THDS 3240

THD TAKE-UP HOUSINGS

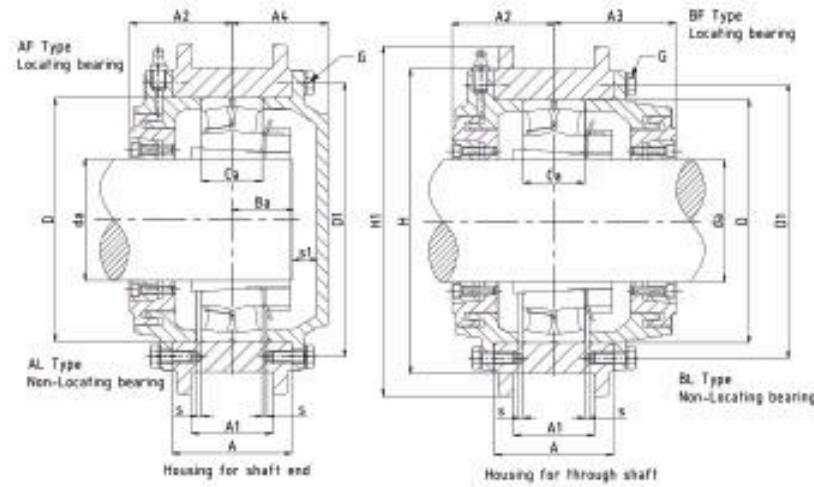
for spherical roller bearings with
adapter sleeve on plain cylindrical shafts



Shaft Diameter da mm	Appropriate Bearing	Adapter sleeve	Masses Housing type		Adapter Ring Designation	Dimensions		Grease Quantity Initial fill	
			A Kg	B Kg		d2 mm	B1	A Kg	B Kg
50	22211 EK	H 311	10	10	PSBD 50	68	15	0.07	-
55	22212 EK	H 312	12	12	PSBD 55	73	15	0.08	-
60	22213 CCK	H 313	16	16	PSBD 60	82	15	0.1	-
70	22216 EK	H 316	22	23	PSBD 70	98	18	0.2	0.18
80	22218 EK	H 318	29	30	PSBD 80	108	18	0.25	-
90	22220 EK	H 320	35	37	PSBD 90	118	18	0.4	0.35
100	22222 EK	H 322	40	45	PSBD 100	128	18	0.55	0.5
	23222 CCK/W33	H 2322	70	74	PSBD 100	128	18	0.55	0.5
110	22224 EK	H 3124	45	48	PSBD 110	138	18	0.6	0.55
	23224 CCK/W33	H 2324	75	80	PSBD 110	138	18	0.75	0.7
115	23226 CCK/W33	H 2326	80	85	PSBD 115	143	18	0.85	0.8
125	22228 CCK/W33	H 3128	56	61	PSBD 125	153	18	0.85	0.75
	23228 CCK/W33	H 2328	95	101	PSBD 125	153	18	1.05	1
135	23030 CCK/W33	H 3030	45	52	PSBD 135	170	20	0.6	0.55
	23230 CCK/W33	H 2330	118	126	PSBD 135	170	20	1.3	1.25
140	23132 CCK/W33	H 3132	136	146	PSBD 140	175	20	1.2	1.1
	23232 CCK/W33	H 2332	140	150	PSBD 140	175	20	1.55	1.5
150	23034 CCK/W33	H 3034	76	83	PSBD 150	185	20	0.9	0.75
	23134 CCK/W33	H 3134	150	184	PSBD 150	185	20	1.35	1.25
160	23136 CCK/W33	H 3136	160	172	PSBD 160	195	20	2.4	1.6
160	23236 CCK/W33	H 2336	165	178	PSBD 160	195	20	2.1	2
170	23038 CCK/W33	H 3038	135	141	PSBD 170	205	20	1.15	1
	23138 CCK/W33	H 3138	166	176	PSBD 170	205	20	2.85	2.6
180	23040 CCK/W33	H 3040	160	167	PSBD 180	215	20	1.45	1.2
	23140 CCK/W33	H 3140	175	190	PSBD 180	215	20	2.3	2
	23240 CCK/W33	H 2340	270	290	PSBD 180	215	20	2.6	2.5

THD TAKE-UP HOUSINGS

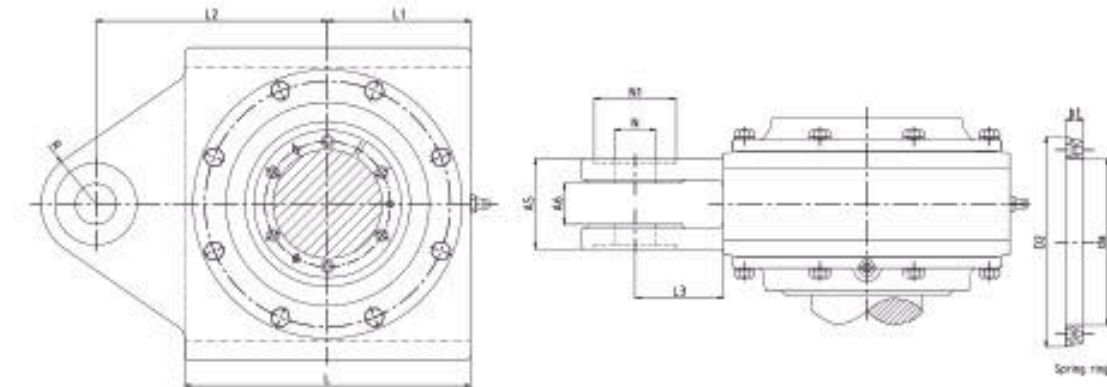
for spherical roller bearings with
adapter sleeve on plain cylindrical shafts



Shaft Diameter da mm	Housing Dimension																							Designation
	A	A1	A2	A3	A4	A5	A6	Ba	D1	H	H1	L	L1	L2	L3	N	N1	R	s1	G	Ca	D	s	
200	120	65	107	142	107	145	70	80	370	480	440	430	210	325	100	60	100	80	17	M 16	90	340	3	THDS 3044
	150	103	135	160	135	144	74	100	420	510	480	470	235	530	260	100	175	120	25	M 16	120	370	4	THDS 3144
	175	103	148	183	133	240	173	112	445	540	500	520	260	575	245	100	175	150	11	M 20	144	400	4	THDS 3244
220	152	65	148	178	138	215	123	106	455	540	500	520	260	515	250	100	250	150	22	M 20	128	400	4	THDS 3148
	190	103	148	188	148	240	173	122	490	580	540	560	280	600	250	100	175	150	16	M 20	160	440	5	THDS 3248
240	135	65	110.5	150.5	120.5	215	123	92	435	540	500	500	245	515	260	100	250	150	16.5	M 16	104	400	1.5	THDS 3052
	175	80	152	187	152	225	135	118	490	570	540	550	275	565	270	100	250	150	24	M 20	114	440	4	THDS 3152
	205	103	167	208	158	240	173	132	540	610	570	590	305	615	220	100	200	150	16	M 20	174	480	5	THDS 3252
260	210	123	178	218	163	240	173	135	555	650	610	630	315	630	220	100	175	150	16	M 24	176	500	5	THDS 3256
280	195	103	185	210	170	240	173	125	550	650	610	625	312	630	250	100	240	150	35	M 24	160	500	4	THDS 3160
	230	123	182	222	187	240	173	124	600	670	630	670	335	650	220	100	175	150	33	M 24	192	540	6	THDS 3260
300	210	123	177	212	187	240	170	135	590	670	630	665	340	650	230	100	175	150	40	M 24	140	576	5	THDS 3164
	250	123	192	237	187	300	213	152	640	710	670	710	355	725	275	110	185	200	21	M 24	208	580	6	THDS 3264
320	220	150	197	242	237	300	180	155	630	740	700	740	370	720	310	120	240	200	70	M 24	190	580	6	THDS 3168
	265	123	202	272	237	300	213	175	680	750	700	750	375	750	285	110	185	200	47	M 24	224	620	6	THDS 3268
340	275	123	227	282	247	300	213	180	710	790	740	790	395	765	275	110	185	200	51	M 24	232	650	7	THDS 3272
360	230	120	202	257	254	300	200	185	680	790	740	750	375	750	320	110	230	200	73	M 30	194	620	6	THDS 3176
	295	123	232	297	257	300	213	186	745	820	780	810	420	780	310	110	230	200	55	M 30	240	680	7	THDS 3276
380	300	123	242	307	257	300	213	196	790	870	820	870	435	800	270	110	185	200	45	M 30	256	720	7	THDS 3280
400	315	123	252	317	267	300	213	212	835	925	860	925	463	825	262	110	185	200	39	M 30	272	760	8	THDS 3284
530	420	143	250	370	---	208	128	---	1000	1140	1080	1140	570	770	200	125	200	160	---	M 30	355	920	---	THDS 41/560

THD TAKE-UP HOUSINGS

for spherical roller bearings with
adapter sleeve on plain cylindrical shafts



Shaft Diameter da mm	Appropriate Bearing	Adapter sleeve	Masses Housing type		Adapter Ring Designation	Dimensions		Grease Quantity Initial fill	
			A Kg	B Kg		d2 mm	B1	A Kg	B Kg
200	23044 CCK/W33	OH 3044 H	200	220	PSBD 200	246	25	1.75	1.5
	23144 CCK/W33	OH 3144 H	240	255	PSBD 200	246	25	2.9	2.5
	23244 CCK/W33	OH 2344 H	380	400	PSBD 200	246	25	3.4	3.25
220	23148 CCK/W33	OH 3148 H	310	360	PSBD 220	266	25	3.4	3
	23248 CCK/W33	OH 2348 H	460	485	PSBD 220	266	25	4.25	4
240	23052 CCK/W33	OH 3052 H	269	280	PSBD 240	286	25	4.1	3.55
	23152 CCK/W33	OH 3152 H	400	460	PSBD 240	286	25	4.4	3.75
	23252 CCK/W33	OH 2352 H	545	580	PSBD 240	286	25	5.05	4.75
260	23256 CCK/W33	OH 2356 H	590	630	PSBD 260	306	25	5.5	5
280	23160 CCK/W33	OH 3160 H	540	580	PSBD 280	326	25	6	5.15
	23260 CCK/W33	OH 3260 H	678	730	PSBD 280	326	25	7	6.25
300	23164 CCK/W33	OH 3164 H	650	690	PSBD 300	350	30	7.5	6.4
	23264 CCK/W33	OH 3264 H	800	860	PSBD 300	350	30	8.15	7.25
320	23168 CCK/W33	OH 3168 H	760	880	PSBD 320	370	30	10	8.2
	23268 CCK/W33	OH 3268 H	920	1000	PSBD 320	370	30	9.85	8.75
340	23272 CCK/W33	OH 3272 H	1050	1120	PSBD 340	390	30	12	10.5
360	23176 CCK/W33	OH 3176 H	890	1000	PSBD 360	410	30	13.8	10.8
	23276 CCK/W33	OH 3276 H	1200	1280	PSBD 360	410	30	14.5	12.5
380	23280 CCK/W33	OH 3280 H	1480	1580	PSBD 380	430	30	18	16
400	23284 CCK/W33	OH 3284 H	1880	1980	PSBD 400	450	30	23	20.5
530	241/560 ECK30/W33	OH 241/560	---	2400	PSBD 530	610	40	---	15

FLANGED SERIES : FNL & I-1200 BEARING HOUSINGS

There are following series of flanged bearing housings:

A). FNL series flanged bearing housing:-

Suitable for self-aligned Ball Bearing and Spherical Roller Bearing on an adapter sleeve. e.g. 1205K/2205K to 1222K/2222CCK

In the FNL series flanged housings, two designs depend on the sizes of shafts.

- (1) The smaller size flange housings, with a shaft diameter range 20 to 60 mm, have a **triangular flange**.
- (2) Other is the larger size flange housings, with shaft diameter ranging 65 to 100 mm, have a **square flange**.

B). I-1200 flanged bearing housing:-

(suitable for self-aligned Ball Bearing with extended inner ring, e.g. Bearing 11204E to 11212E)

I-1200 flange housing is designed with a triangular flange only, has a shaft diameter range of 20 to 60 mm.

TECHNICAL DETAIL AND PRODUCT FEATURE

- The flange housing is one-piece solid housing. A cover is provided in housing which has suitable steps to locate bearing as required. The flange housing is supplied with a cover for through shaft. For shaft end design End Cover is also provided upon request.
- The flange housing is simple in construction, easy to mount and easy to align.
- The flange housings are designed for grease lubrication. A suitable grease nipple is provided for relubrication. A felt seal is used in a flange-bearing housing.

FLANGED SERIES : FNL & I-1200 BEARING HOUSINGS



TECHNICAL DETAIL AND PRODUCT FEATURE

- For flange housing the permissible radial loads are dependent on the bearing or the attachment bolts.
- As far as axial loads are concerned, the direction of the load is the determining factor. If the load acts towards the flange, the axial load carrying capacity of the bearing is the deciding factor, whereas if the load is in the opposite direction, the permissible loads on the cover bolts are the limiting factor. Hence, the flange housings are provided with 8.8-graded bolts for fixing.

- For flange-bearing housing felt seal is available
- Various dimensional series are available in Flange housings:
 - FNL series (Triangular/Square Flange): suitable for bearing series 1200K.
 - FNL series (Triangular/Square Flange): suitable for bearing series 2200K.
 - FNL series (Triangular/Square Flange): suitable for bearing series 22200CCK.
 - I 1200 series (Triangular Flange): suitable for bearing series 11200 E.
- Material for Flange Bearing Housings:- Graded Cast Iron: Gr FG 260 (IS 210)



FNL TRIANGULAR FLANGE

FNL SQUARE FLANGE

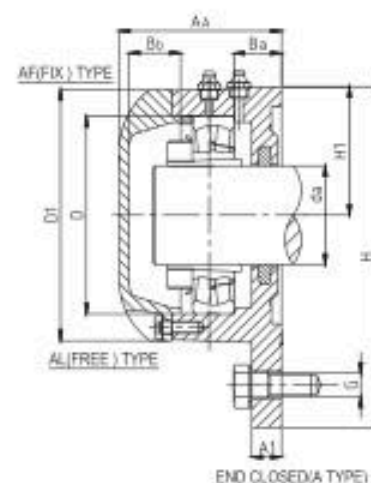
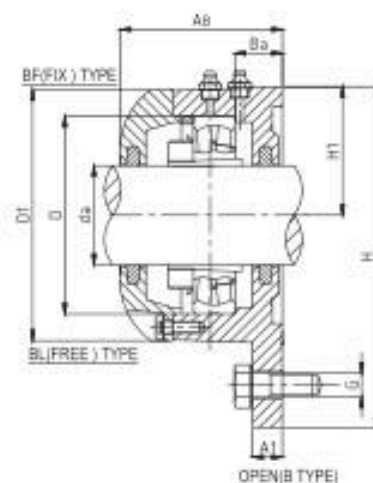
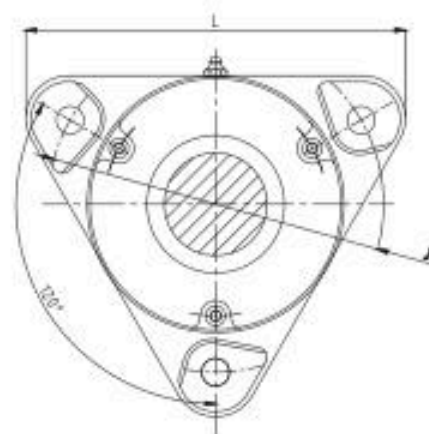


I-1200 SERIES

FNL TRIANGULAR FLANGED

(Bearing Housings)

For Bearings with Adapter Sleeves

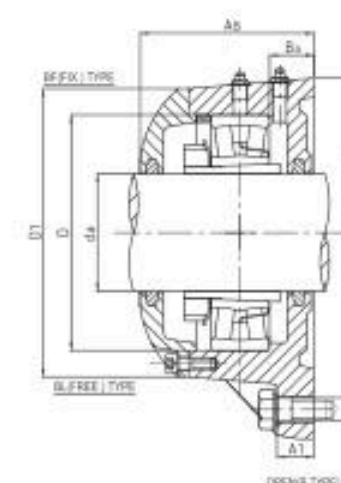
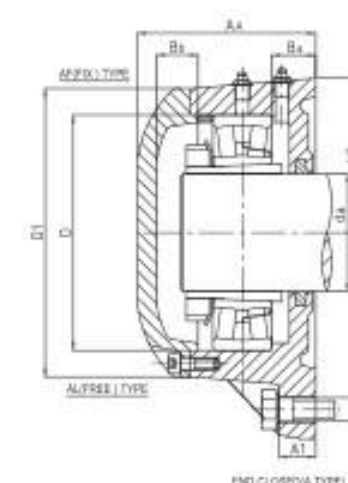
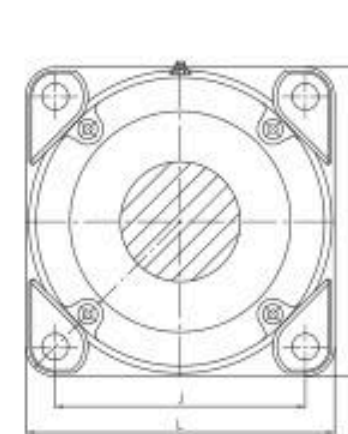


Bearing Housing Designation	Shaft Dia da	Housing Dimension in mm												Approx Weight Kg.	BEARING NO.	SLEEVE	LOCATING RING	FELT STRIP NO.
		AA	AB	A1	Ba	Bb	D1	H	H1	J	L	G	D					
FNL 505	20	57	56.5	10	15	15	74	100	38	96	110	10	52	1.1	1205 EK 2205 EK 22205 EK C 2205 K	H 205 H 305 H 305 H 305 E	1 FRB 5/52 1 FRB 2/52 1 FRB 2/25 1 FRB 2/52	FS 110
FNL 506	25	60.5	60	12	16	15	86	117	44	116	130	10	62	1.6	1206 EK 2226 EK 22206 EK C 2206 K	H 206 H 306 H 306 H 306 E	1 FRB 6/62 1 FRB 2/62 1 FRB 2/62 1 FRB 2/62	FS 190
FNL 507	30	64.5	64	12	16	17	95	130	48.5	130	145	12	72	2	1207 EK 2207 EK 22207 EK C 2207 K	H 207 H 307 H 307 H 307 E	1 FRB 8/72 1 FRB 2/72 1 FRB 2/72 1 FRB 2/72	FS 190
FNL 508	35	67	66	12	17	18	105	143	54	140	160	12	80	2.4	1208 EK 2208 EK 22208 EK C 2208 K	H 208 H 308 H 308 H 308 E	1 FRB 7/80 1 FRB 2/80 1 FRB 2/80 1 FRB 2/80	FS 190
FNL 509	40	72	70.5	12	19	19	113	160	60	160	179	12	85	3.2	1209 EK 2209 EK 22209 EK C 2209 K	H 209 H 309 H 309 H 309 E	1 FRB 6/85 1 FRB 2/85 1 FRB 2/85 1 FRB 2/85	FS 190
FNL 510	45	77	75	15	22	21	118	160	60	160	179	12	90	3.5	1210 EK 2210 EK 22210 EK C 2210 K	H 210 H 310 H 310 H 310 E	1 FRB 5/90 1 FRB 2/90 1 FRB 2/90 1 FRB 2/90	FS 190
FNL 511	50	84	82	15	24	23	127	172.5	65	170	192	12	100	4.3	1211 EK 2211 EK 22211 EK C 2211 K	H 211 H 311 H 311 H 311 E	1 FRB 6/100 1 FRB 2/100 1 FRB 2/100 1 FRB 2/100	FS 260
FNL 512	55	85	83	15	23	22	142	189	72	180	210	12	110	5.2	1212 EK 2212 EK 22212 EK C 2212 K	H 212 H 312 H 312 H 312 E	1 FRB 8/110 1 FRB 2/110 1 FRB 2/110 1 FRB 2/110	FS 260
FNL 513	60	88	89	15	22	24	152	203	78	190	225	12	120	6.3	1213 EK 2213 EK 22213 EK C 2213 K	H 213 H 313 H 313 H 313 E	1 FRB 10/120 1 FRB 2/120 1 FRB 2/120 1 FRB 2/120	FS 260

FNL SQUARE FLANGED

(Bearing Housings)

For Bearings with Adapter Sleeves

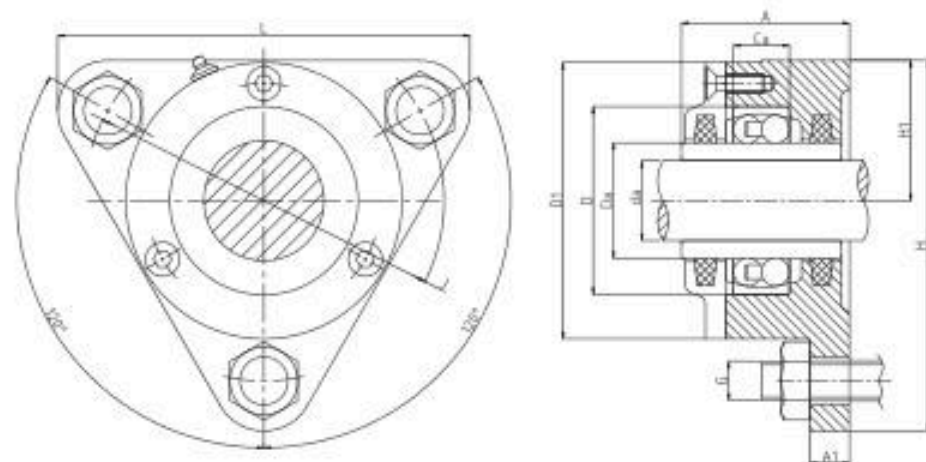


Bearing Housing Designation	Shaft Dia da	Housing Dimension in mm												Approx Weight Kg.	BEARING NO.	SLEEVE	LOCATING RING	FELT STRIP NO.
		AA	AB	A1	Ba	Bb	D1	H	H1	J	L	G	D					
FNL 515	65	106	104	25	30	24	16	190	95	152	190	168	130	10	1215 K 2215 EK 22215 EK C 2215 K	H 215 H 315 H 315 H 315 E	2 FRB 8/130 1 FRB 10/130 1 FRB 10/130 1 FRB 10/130	FS 260
FNL 516	70	113	110	25	31	27	175	196	98	152	196	16	140	10.5	1216 K 2216 EK 22216 EK C 2216 K	H 216 H 316 H 316 H 316 E	2 FRB 8.5/140 1 FRB 10/140 1 FRB 10/140 1 FRB 10/140	FS 330
FNL 517	75	117.5	115	25	31	27	188	210	105	170	210	16	150	12.5	1217 K 2217 K 22217 EK C 2217 K	H 217 H 317 H 317 H 317 E	2 FRB 9/150 1 FRB 10/150 1 FRB 10/150 1 FRB 10/150	FS 330
FNL 518	80	121	118	25	30	28	196	210	105	170	210	16	160	12	1218 K 2218 K 22218 EK C 2218 K	H 218 H 318 H 318 H 318 E	2 FRB 10/160 1 FRB 10/160 1 FRB 10/160 1 FRB 10/160	FS 330
FNL 520	90	130	127	30	30	31	224	250	125	198	250	20	180	19	1220 K 2220 KM 22220 EK C 2220 K	H 220 H 320 H 320 H 320 E	2 FRB 11/180 1 FRB 10/180 1 FRB 10/180 1 FRB 10/180	FS 370
FNL 522	100	140	137	30	30	33	244	270	135	219	270	20	200	23.5	1222 K 2222 KM 22222 EK C 2222 K	H 222 H 322 H 322 H 322 E	2 FRB 12.5/200 1 FRB 10/200 1 FRB 10/200 1 FRB 10/200	FS 460

I-1200(00) TRIANGULAR FLANGED

(Bearing Housings)

for Self Aligning ball bearings with Extended inner ring



Plummer Block Designation	Shaft Dia da	Housing Dimension in mm											Appropriate Bearing No.	Felt strip	Approx Weight Kg.
		A	A1	Da	D1	H	H1	J	L	G	Ca	D			
I - 120013 E	20	42	10	28.9	69	92.5	35	90	105	10	14	47	11204 E	FS 180	0.80
I - 120014	25	46	10	33.3	75	100	38	96	110	10	15	52	11205 E	FS 180	1.00
I - 120015	30	50	12	40.1	86	117	44	116	130	10	16	62	11206 E	FS 180	1.40
I - 120016 E	35	54	12	47	97	130	48.5	130	145	12	17	72	11207 E	FS 180	1.80
I - 120017	40	60	12	54	108	143	54	140	160	12	18	80	11208 E	FS 300	2.30
I - 120018	45	62	12	57.7	113	160	60	160	180	12	19	85	11209 E	FS 300	3.30
I - 120019 E	50	63	15	61.7	118	160	60	160	180	12	20	90	11210 E	FS 300	3.60
I - 120021	60	67	15	78	142	189	72	180	210	12	22	110	11212 E	FS 300	4.20

TROUBLESHOOTING GUIDE



SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Overheating	Shaft Creep/Slipping	Check shaft near bearing seat
	Rubbing	Check for shoulder rubbing against guards, etc.
	Over lubrication	Use less lubricant
	No lubrication	Add lubricant
	First run after relubrication	Stop system to let it cool then restart
	Misalignment	Properly align bearings
	Excessive load	Select a bearing with adequate load capacity
		Decrease load on the bearing
	Excessive speeds	Select a bearing with adequate speed rating
		Decrease shaft speed
	Ambient heat	Move bearing away from heat sources
Noise: High Pitch	Misalignment	Properly align bearings
Noise: Low Pitch	Dented raceways	Replace bearing. Use proper installation methods
Noise: Rattle or Chatter	Improper shaft fit	Use proper shaft size
		Use proper bearing size
	Contaminated bearing	Purge with grease
		Replace bearing
	Loose parts	Check machinery for loose bolts/that bolts fit
Vibration	Out of balance components	Balance all machine parts
	Loose parts	Check machinery for loose bolts
	Improper shaft fit	Use proper shaft size
		Use proper bearing size
	Bent shaft	Replace or straighten the shaft
	Dented raceways	Replace bearing. Use proper installation methods
Binding Shaft	Bent shaft	Replace or straighten the shaft
	Contaminated bearing	Purge with grease
		Replace bearing
	Misalignment	Properly align bearings
	Interference	Check clearance of all rotating parts
Wearing of Inner Ring	Improper shaft fit	Use proper shaft size
		Use proper bearing size
	Improper shaft finish	Repair or replace the shaft having better finish

INCH/MILLIMETRES CONVERSION TABLE

Inch.		Millimetre
9/64	0.141	3.572
5/32	0.156	3.969
11/64	0.172	4.366
3/16	0.188	4.763
13/64	0.203	5.159
7/32	0.219	5.556
15/64	0.234	5.953
1/4	0.250	6.350
17/64	0.266	6.747
9/32	0.281	7.144
19/64	0.297	7.541
5/16	0.313	7.938
21/64	0.328	8.334
11/32	0.344	8.731
23/64	0.359	9.128
3/8	0.375	9.525
25/64	0.391	9.922
13/32	0.406	10.319
27/64	0.422	10.716
7/16	0.438	11.113
29/64	0.453	11.509
15/32	0.469	11.906
31/64	0.484	12.303
1/2	0.50	12.700

Inch.		Millimetre
41/64	0.641	16.272
21/32	0.656	16.669
43/64	0.672	17.066
11/16	0.688	17.463
45/64	0.703	17.859
23/32	0.719	18.256
47/64	0.734	18.653
3/4	0.750	19.050
49/64	0.766	19.447
25/32	0.781	19.844
51/64	0.797	20.241
13/16	0.813	20.638
53/64	0.828	21.034
27/32	0.844	21.431
55/64	0.859	21.828
7/8	0.875	22.225
57/64	0.891	22.622
29/32	0.906	23.019
59/64	0.922	23.416
15/16	0.938	23.813
61/64	0.953	24.209
31/32	0.969	24.606
63/64	0.984	25.003
1"	1.000	25.400

OUR ACHIEVEMENTS



Bearing Housing Suitable for mining industry.

Weight : 3.2 Ton
Shaft Dai. : 530mm
Bore Dia. : 920mm

- Axial Bearing Housing of various sizes Form 100mm to 280mm dia. Shaft used in power plants.
- Single piece bearing housings for wagon tippler suitable for 460mm shaft.
- Oil lubricated bearing housing SOFN 256 Suitable for 280mm Dia. shaft.

