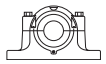
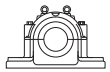
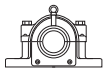
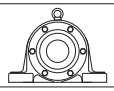
1. Design features and characteristics

The **NTN** plummer blocks are housings for self-aligning ball bearings and spherical roller bearings. The standard housing is gray cast iron, while spheroidal graphite cast iron (ductile cast iron) and cast steel, are also available depending on the application.

The housings can incorporate rubber seals, felt seals, or labyrinth seals depending on the application. Grease and oil are both available for lubrication.

This catalog includes dimension tables of representative shapes indicated by blue characters in "2. Type".

For the details on **NTN** plummer blocks, see the special catalog "**PLUMMER BLOCKS (CAT. No. 2500/E)**".

Plummer block types			Shaft diameter mm	Page of dimension table
Split type	SN type		25 to 140	G-14 to G-25, G-30 to G-31
	SD type		150 to 300	G-26 to G-29, G-32 to G-35
	SBG type		55 to 180	—
Unit type	SV type		20 to 300	G-36 to G-43
	VA type		50 to 100	—

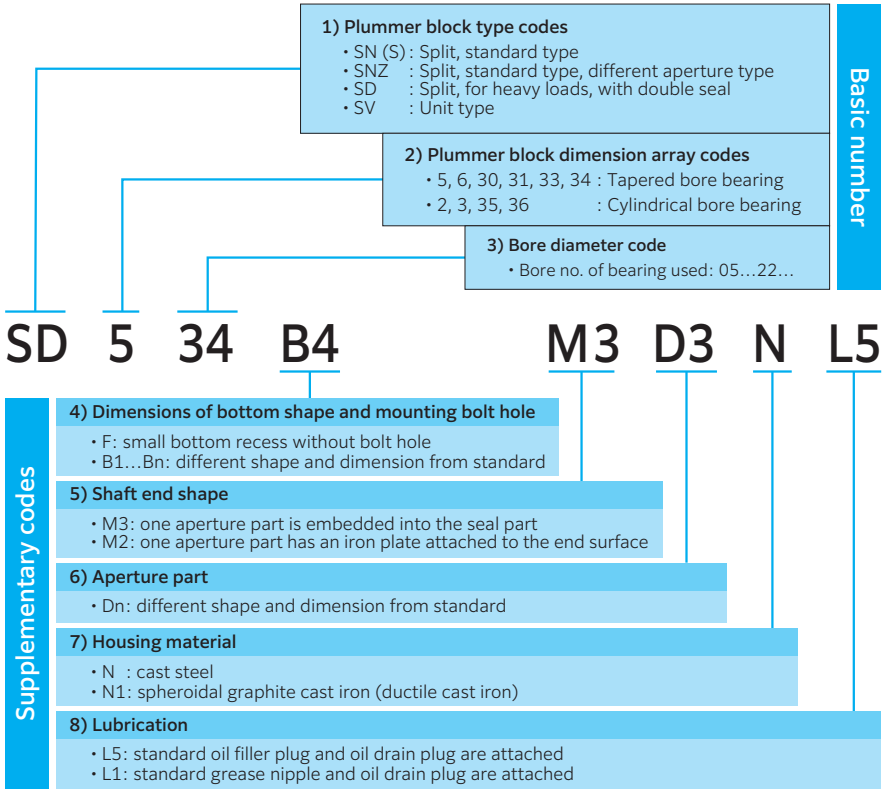
2. Type

Type		
Split type	SN type (standard type, large bore type) SN5 SN2 SN6 SN3 S6 S3 SN30 SN31 Lubricant: grease Seal: rubber seal • SN5, SN6, and S6 are general types are and widely used internationally. • SN30 and SN31 are a medium size and can be applied when the bearing diameter is large. • A tapered bore bearing (with adapter) is used.	
	SNZ type (stepped bore type) SNZ2 SNZ3 SZ3 Lubricant: grease Seal: rubber seal • This type of plummer block is SN5, SN6, and S6 having a large aperture on one side. • Cylindrical bore bearings are attached with nuts and washers.	
	SN type (high strength type) SN5··F SN2··F SNZ2··F SN6··F SN3··F Lubricant: grease Seal: rubber seal • The recess at the bottom part is made small and the leg is made flat at the bottom to increase the strength of the plummer block. • The dimensions are the same as the same series except for the bottom shape. • A tapered bore bearing (with adapter) is used. • There is no mounting bolt hole.	
	SD type (standard type for heavy loads, large bore type) SD5··(G) SD2··D(G) SD6··(G) SD3··D(G) SD30··(G) SD31··(G) SD33··(G) SD34··(G) Lubricant: grease or oil Seal: double rubber seal • Used for heavy loads with large spherical roller bearings. • There are types for the floating side and the fixed side (G). • A tapered bore bearing (with adapter) is used. • There are four mounting bolt holes.	

Type		
Split type	SD type (stepped bore type for heavy loads) SD2··(G) SD3··(G) SD35··(G) SD36··(G) Lubricant: grease or oil Seal: double rubber seal • Used for heavy loads with large spherical roller bearings. • This type of plummer block is SD5(G) and SD6(G) having a large aperture on one side. • Cylindrical bore bearings are attached with nuts and washers.	
	SD type (labyrinth seal type) SD31··TS(G) SD32··TS(G) Lubricant: grease or oil Seal: Labyrinth seal • Used for heavy loads with large spherical roller bearings. • Suitable for high speed rotation because the sealing device for labyrinth seals is adopted. • Used for both oil lubrication and grease lubrication because an oil sump is provided in the housing.	
Unit type	SV type (standard type) SV5 SV6 SV30 Lubricant: grease Seal: rubber seal • The plummer block main body is a single type and has higher accuracy compared with the split type. • A tapered bore bearing (with adapter) is used. • SV30 is a medium type applied when the shaft diameter is large.	
	SV type (stepped bore type) SV2 SV3 SV35 Lubricant: grease Seal: rubber seal • This type of plummer block is SV5 and SV6 having a large aperture on one side. • Cylindrical bore bearings are attached with nuts and washers.	
	VA type (narrow attachment width type) VA5 Lubricant: grease Seal: oil seal • A tapered bore bearing (with adapter) is used. • Mounting bolt holes are provided at the bottom.	

3. Plummer block numbers

NTN plummer block number indicates the type, structure, and consists of basic numbers followed by supplementary codes.



For order

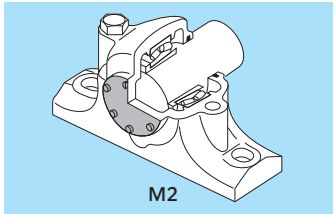
The plummer block numbers do not include additional parts. Therefore, please order any necessary parts with their numbers.

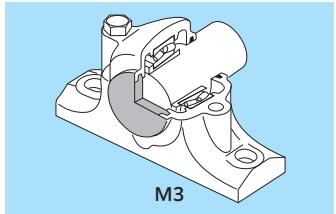
(Example)

SN506	1206SK	H206X	SR62×7	ZF6
Plummer blocks	Rolling bearings	Adapter	Stabilizing ring (fixed side only)	Rubber seal

NOTE

For shaft ends, a plummer block having a non-penetrating aperture on the shaft end side (outer side) is generally used. There are two types shown below.





4. Accuracy

4.1 Accuracy

Regarding the accuracy of **NTN** plummer blocks, the divided types conform to JIS B 1551. The dimensional tolerances are shown in the table below.

Table 1: dimensional tolerances of bearing seating bore diameter, width, and center height

Table 2: dimensional tolerances of length of gray cast iron products (As cast portions on bearing base, bolt holes, etc.)

Table 1 Dimensional tolerance of plummer blocks Unit: mm

Split type				Unit type					
Plummer block series	Bearing seating bore dia. Δ_{Ds}	Bearing seating bore width Δ_{gs}	Center height Δ_{Hs}	Plummer block series	Bearing seating bore dia. Δ_{Ds}	Center height Δ_{Hs}	Main body width I_1	Cover dimension I_2	Cover inlet width I_3
SN5, SN5F SN(S)6, SN(S)6F SN2, SNZ2, SN30 SN(S)3, SNZ(SZ)3, SN31 SBG5	H8	H13	h13	SV5 SV6 SV2 SV3 SV30 SV35 VA5	H7	h11	+0.2 0	±1	0 −0.2
SD30, SD31 SD33 SD34, SD35 SD36 SD2, SD3 SD5, SD6 SD31TS, SD32TS	H8	±0.2	h13						

Table 2 Dimensional tolerance of length of gray cast iron products Unit: mm

Length of gray cast iron products	120 or less	121 to 250	251 to 400	401 to 800	801 to 1 600
Tolerance	±1.5	±2.0	±3.0	±4.0	±6.0

4.2 Machining accuracy of mounting bolt seating end surface

When a large horizontal load is to be applied on a plummer block, the fastening force of the mounting bolts cannot reliably secure the plumber block alone; therefore, the housing base should abut a fixed surface. In this case, it is effective to use a plummer block with a machined vertical face that comes in contact with the fixed abutment surface.

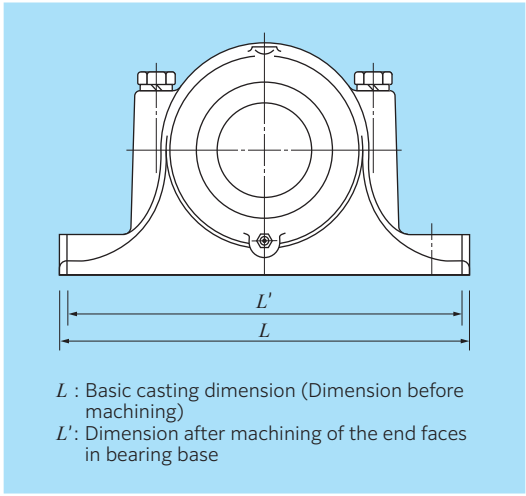
Seating length L of a plummer block having a machined mounting bolt seating end surface is smaller than the standard dimension by the machining allowance shown in **Table 3** and becomes L' (see **Fig. 1**). **Table 4** shows the dimensional tolerance of L'.

Table 3 Machining allowance Unit: mm

Plummer block nominal dimension	Machining allowance L-L'	Surface finish roughness
All types All sizes	5	12.5Ra

Table 4 Tolerance of dimension L' after machining of mounting bolt seating end surface Unit: mm

Dimension after machining L'	31 to 120	121 to 315	316 to 1 000	1 001 to 2 000
Tolerance	±0.8	±1.2	±2.0	±3.0



L : Basic casting dimension (Dimension before machining)
L': Dimension after machining of the end faces in bearing base

Fig. 1 Seating surface length dimension of plummer block

5. Combination with bearings

Table 5 (1) and **Table 5 (2)** show the combinations of plummer blocks and bearings.

Table 5 (1) Plummer blocks and applied bearings

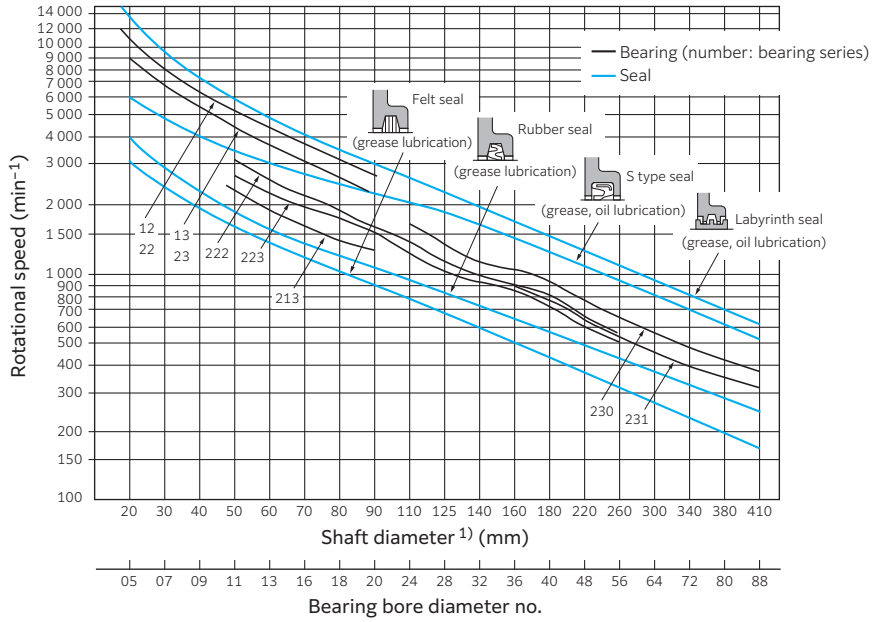
Plummer block series \ Applied bearing series	12	22	13	23	230	231	222	232	213	223
SN5 SN5··F	06SK to 22SK	06SK to 22SK					06EAK to 32EAK	18EMK, 20EMK to 32EMK		
SN2 SN2··F	06S to 22S	06S to 22S					06EA to 32EA	18EM, 20EM to 32EM		
SNZ2 SNZ2··F	06S to 22S	06S to 22S					06EA to 32EA	18EM, 20EM to 32EM		
SD5 SD5··G							34EMK to 64EMK			
SD2··D SD2··DG							34EM to 64EM			
SD2 SD2··G							34EM to 64EM			
SN(S)6 SN(S)6··F			06SK to 22SK	06SK to 22SK					08CK to 10CK 11K to 22K	08EAK to 28EAK 30EMK to 32EMK
SN(S)3 SN(S)3··F			06S to 22S	06S to 22S					08C to 10C 11 to 22	08EA to 28EA 30EM to 32EM
SNZ(SZ)3 SNZ(SZ)3··F			06S to 22S	06S to 22S					08C to 10C 11 to 22	08EA to 28EA 30EM to 32EM
SD6 SD6··G										34EMK to 56EMK
SD3··D SD3··DG										34EM to 56EM
SD3 SD3··G										34EM to 56EM
SN30					24EAK to 38EAK					
SD30 SD30··G					34EAK to 38EAK 40EMK to 64EMK 80BK to 84BK					
SD33 SD33··G					40EMK to 76EMK					
SD35 SD35··G					40EM to 76EM					
SN31						22EAK to 36EAK 38EMK				
SD31 SD31··G						34EAK to 36EAK 38EMK to 64EMK 72BK to 84BK				
SD34 SD34··G						40EMK to 68EMK				
SD36 SD36··G						40EM to 68EM				

Table 5 (2) Plummer blocks and applied bearings

Plummer block series \ Applied bearing series	12	22	13	23	230	231	222	232	213	223
SD31··TS SD31··TSG						34EAK to 36EAK 38EMK to 68EMK 72BK to 88BK				
SD32··TS SD32··TSG								34EMK to 64EMK 68BK to 80BK		
SBG5							12EAK to 32EAK 34EMK to 38EMK			
SV5	05SK to 22SK	05SK to 22SK					05EAK to 32EAK 34EMK to 64EMK	18EMK, 20EMK to 64EMK		
SV2	05S to 22S	05S to 22S					05EA to 32EA 34EM to 64EM	18EM, 20EM to 38EM		
SV6			05SK to 22SK	05SK to 22SK					08CK to 10CK 11K to 22K	08EAK to 28EAK 30EMK to 56EMK
SV3			05S to 22S	05S to 22S					08C to 10C 11 to 22	08EA to 28EA 30EM to 56EM
SV30					22EAK to 38EAK 40EMK to 72EMK					
SV35					22EA to 38EA 40EM to 72EM					
VA5							11EAK to 22EAK			
TV5							11EAK to 32EAK			

6. Allowable speed

The allowable speed of plummer blocks differ by seal types. In the case of a contact seal, the allowable speed is restricted by the allowable peripheral speed of the seal. **Fig. 2** shows a rough standard for selecting the peripheral speed of seals.



1) The allowable speed of the seal of cylindrical bore bearings is obtained by the shaft diameter of the seal contact part. The allowable speed of seals is indicated by the rotational speed of shafts.

Fig. 2 Allowable speed of bearings and seals

7. Sealing device

External seals have two main functions: to prevent lubrication from leaking out and to prevent dust, water, and other contaminants from entering the bearing.

The sealing device must be selected with the following in consideration: the type of lubricant (grease or oil) and seal peripheral speed.

A rubber seal or a felt seal is used for the contact type, and a labyrinth seal is used for the non-contact type. There are also special seals suitable for other conditions including heavy contamination.

7.1 Contact seal

(1) Rubber seal (see Fig. 3)

Since rubber seals are mainly used for grease lubrication, a rough standard for the peripheral speed is 5 to 6 m/s.

Nitrile rubber is generally used for the rubber seal material, and materials shown in **Table 6** are used depending on the ambient temperature.

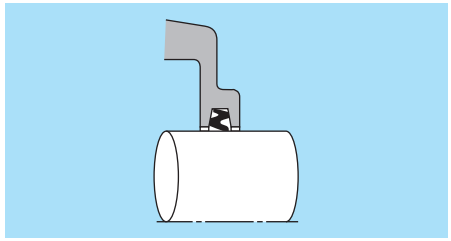


Fig. 3 Rubber seal

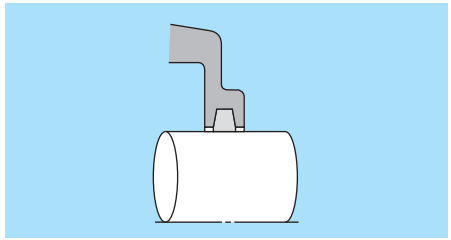


Fig. 4 Felt seal

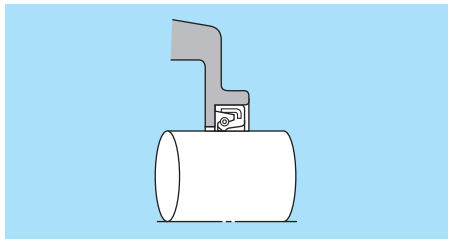


Fig. 5 S type seal

(2) Felt seal (see Fig. 4)

Felt seals are interchangeable with rubber seals, but the use is limited to grease lubrication.

Felt seals are unsuitable for environments with a large amount of dust or high humidity, and a rough standard for the peripheral speed is 4 m/s. The seal is also convenient because it can be cut and embedded separately into the seal grooves at the upper and lower parts of a plummer block.

(3) S type seal (see Fig. 5)

The S type seal has excellent sealing performance and can be used for grease and oil lubrications. Plummer blocks with special specifications are used.

A rough standard for the peripheral speed of S type seals is 10 to 12 m/s. The shaft roughness and hardness of the seal contact area especially needs attention.

Table 6 Rubber seal materials types and characteristics

Seal material	Abrasion resistance	Oil resistance	Acid resistance	Alkali resistance	Water resistance	Allowable temp rough standard (°C)	Characteristics
Nitrile rubber (NBR)	◎	◎	○	○	○	−20 to 120	The material has resistance to most oils and has good abrasion resistance; therefore, it is the most used oil seal material. The material can be used for most conditions of general machines.
Acrylic rubber (ACM)	◎	◎	△	×	△	−15 to 150	The material has good heat resistance and oil resistance but poor alkali resistance and water resistance; therefore, the application is limited.
Silicone rubber (VMQ)	○	○	△	×	○	−30 to 200	The material has good heat resistance and cold resistance but cannot be used for spindle oil and oil containing an extreme pressure additive.
Fluorinated rubber (FKM)	◎	◎	◎	△	○	−20 to 230	The material is not affected by most oils and chemicals. The material has well-balanced characteristics and can be used in a wide range of applications; therefore, it is the best oil seal material.

Symbol definition ◎: Excellent ○: Good △: OK ×: Poor

7.2 Non-contact seal

(1) Labyrinth seal (see Fig. 6)

The labyrinth seal is a seal type that uses a labyrinth ring at the aperture part of a plummer block.

The labyrinth ring is used with a shaft loose fit (h9) and attached with an O ring to allow easy attachment and allow for expansion and contraction of the shaft.

The labyrinth seal has excellent sealing performance and can be used for grease and oil lubrications.

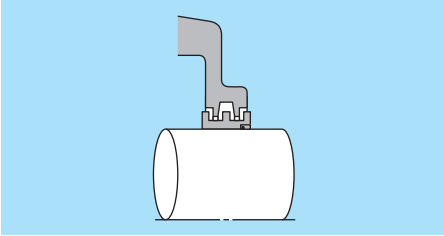


Fig. 6 Labyrinth seal

(2) Special labyrinth seal (see Fig. 7)

The special labyrinth seal shown in the figure is especially effective for environments with a large amount of contamination such as dirt and sand.

Plummer blocks using this seal have special specifications, so consult with **NTN** Engineering.

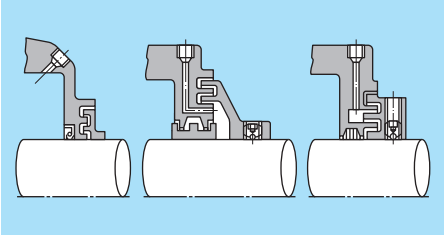
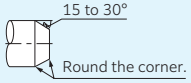


Fig. 7 Special labyrinth seal

(3) Shaft design criteria for seal attachment part (see Table 7)

The hardness and roughness of shafts to be attached with seal significantly influences the sealing performance; therefore, the design criteria shown in the table must be followed.

Table 7 Shaft design criteria

Item	Design criteria	Article
Hardness	HRC 30 to 40	
Roughness Ra	0.8	It is preferable to grind the finish surface without feeding.
End surface chamfer	The shaft end to be inserted with a seal must be tapered, and the corner part must be rounded.	

7.3 Combination seal (see Fig. 8)

The combination seal is a sealing device having a rubber seal and a labyrinth seal combined to the aperture part of a plummer block. It is used for environments with a large amount of dirt and foreign materials.

Filling the labyrinth voids with grease further improves the sealing effect.

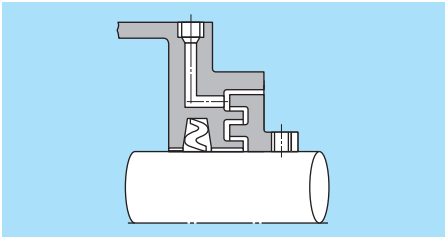


Fig. 8 Combination seal

8. Strength

The breaking strength of plummer blocks differ by the plummer block type, the characteristic and direction of the load to be applied, and is influenced by the flatness of the mounting surfaces. **Fig. 9** and **Fig. 10** shows the general fracture loads of static breaking strength of SN5 and SN6 (S6) series gray cast iron plummer blocks.

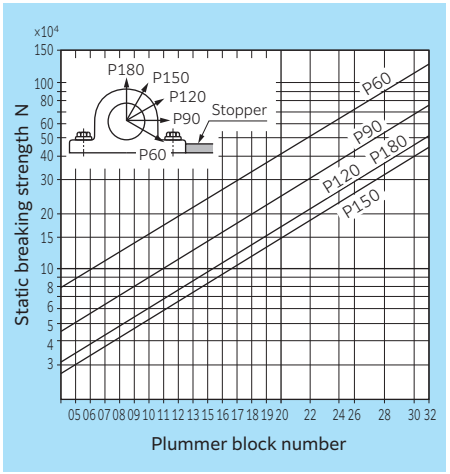


Fig. 9 Static breaking strength of SN5 series

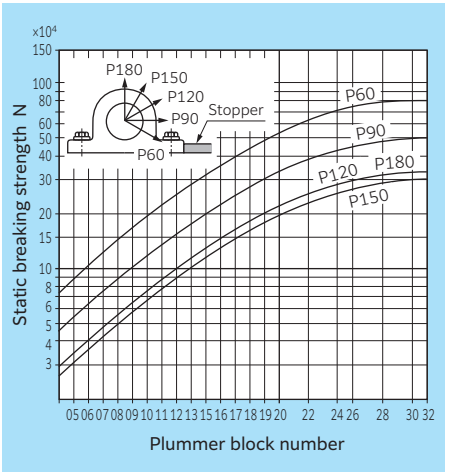


Fig. 10 Static breaking strength of SN6 (S6) series

Table 8 Safety factor of casting plummer block

Types of load	Static load	Repeated load	Alternating load	Impact load
Safety factor	4	6	10	15

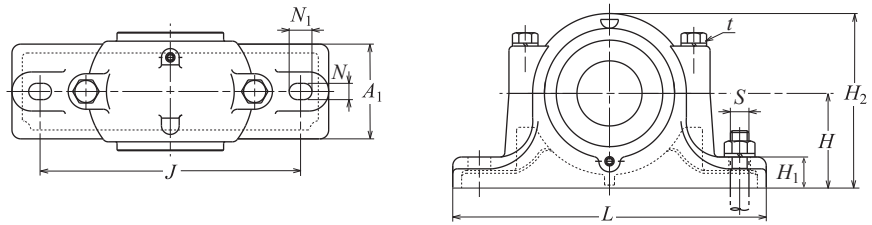
The downward breaking strength is about twice the horizontal breaking strength, and the axial breaking strength is about half of the horizontal breaking strength.

When selecting plummer blocks, consider the safety factor shown in **Table 8**. The surface to be attached with a plummer block must be flat without backlash.

For horizontal and axial loads, the base end surface needs to abut a fixed surface.

For places with especially large impact loads or when plummer block damage may result in serious accidents, plummer blocks made of materials other than gray cast iron such as cast steel or spheroidal graphite cast iron are available. Please consult **NTN** Engineering.

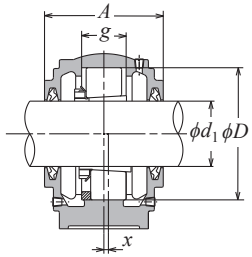
Plummer block series SN5
(standard type / for bearings with adapter assembly)



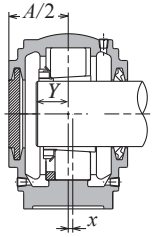
d_1 25–140 mm

Shaft dia. mm d_1	Plummer block number	Dimensions mm D	H	J	N	N_1	A	L	A_1	H_1	H_2	g	t Nominal no.	Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)
25	**SN506**	62	50	150	15	20	77	185	52	22	90	30	M 8	R1/8	M12	1.7
30	**SN507**	72	50	150	15	20	82	185	52	22	95	33	M10	R1/8	M12	2.2
35	**SN508**	80	60	170	15	20	85	205	60	25	110	33	M10	R1/8	M12	2.6
40	**SN509**	85	60	170	15	20	85	205	60	25	112	31	M10	R1/8	M12	2.8
45	**SN510**	90	60	170	15	20	90	205	60	25	115	33	M10	R1/8	M12	3
50	**SN511**	100	70	210	18	23	95	255	70	28	130	33	M12	R1/8	M16	4
55	**SN512**	110	70	210	18	23	105	255	70	30	135	38	M12	R1/8	M16	4.5
60	**SN513**	120	80	230	18	23	110	275	80	30	150	43	M12	R1/8	M16	5.6
65	**SN515**	130	80	230	18	23	115	280	80	30	155	41	M12	R1/8	M16	6
70	**SN516**	140	95	260	22	27	120	315	90	32	175	43	M16	R1/8	M20	9
75	**SN517**	150	95	260	22	27	125	320	90	32	185	46	M16	R1/8	M20	9.3
80	**SN518**	160	100	290	22	27	145	345	100	35	195	62.4	M16	R1/8	M20	12
85	**SN519**	170	112	290	22	27	140	345	100	35	210	53	M16	R1/8	M20	14
90	**SN520**	180	112	320	26	32	160	380	110	40	218	70.3	M20	R1/8	M24	17
100	**SN522**	200	125	350	26	32	175	410	120	45	240	80	M20	R1/4	M24	20
110	**SN524**	215	140	350	26	32	185	410	120	45	275	86	M20	R1/4	M24	23
115	**SN526**	230	150	380	28	36	190	445	130	50	292	90	M24	R1/4	M24	29
125	**SN528**	250	150	420	33	42	205	500	150	50	305	98	M24	R1/4	M30	37
135	**SN530**	270	160	450	33	42	220	530	160	60	325	106	M24	R1/4	M30	42
140	**SN532**	290	170	470	33	42	235	550	160	60	345	114	M24	R1/4	M30	48

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SN524** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

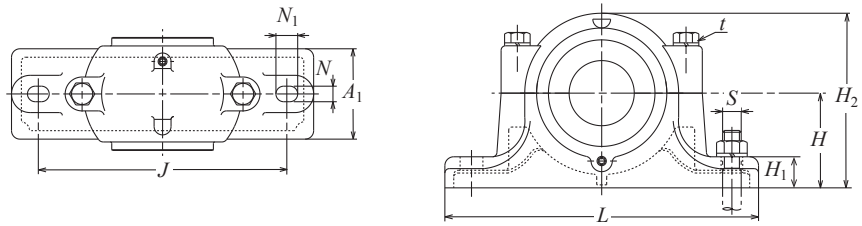


Shaft end type

Applied part: Combination of self-aligning ball bearings — Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings — Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Reference dimension mm Y 2)	Rubber seal number	End cover number	Shaft dia. mm d_1
1206SK	H206X	SR 62× 7	2	—	—	—	—	18	ZF 6	MF 6	**25**
2206SK	H306X	SR 62×10	1	22206EAKW33	H306X	SR 62×10	1	20			
1207SK	H207X	SR 72× 8	2	—	—	—	—	19	ZF 7	MF 7	**30**
2207SK	H307X	SR 72×10	1	22207EAKW33	H307X	SR 72×10	1	22			
1208SK	H208X	SR 80× 7.5	2	—	—	—	—	21	ZF 8	MF 8	**35**
2208SK	H308X	SR 80×10	1	22208EAKD1	H308X	SR 80×10	1	23			
1209SK	H209X	SR 85× 6	2	—	—	—	—	22	ZF 9	MF 9	**40**
2209SK	H309X	SR 85× 8	1	22209EAKD1	H309X	SR 85× 8	1	24			
1210SK	H210X	SR 90× 6.5	2	—	—	—	—	24	ZF10	MF10	**45**
2210SK	H310X	SR 90×10	1	22210EAKD1	H310X	SR 90×10	1	25			
1211SK	H211X	SR100× 6	2	—	—	—	—	25	ZF11	MF11	**50**
2211SK	H311X	SR100× 8	1	22211EAKD1	H311X	SR100× 8	1	27			
1212SK	H212X	SR110× 8	2	—	—	—	—	26	ZF12	MF12	**55**
2212SK	H312X	SR110×10	1	22212EAKD1	H312X	SR110×10	1	29			
1213SK	H213X	SR120×10	2	—	—	—	—	28	ZF13	MF13	**60**
2213SK	H313X	SR120×12	1	22213EAKD1	H313X	SR120×12	1	32			
1215SK	H215X	SR130× 8	2	—	—	—	—	30	ZF15	MF15	**65**
2215SK	H315X	SR130×10	1	22215EAKD1	H315X	SR130×10	1	33			
1216SK	H216X	SR140× 8.5	2	—	—	—	—	32	ZF16	MF16	**70**
2216SK	H316X	SR140×10	1	22216EAKD1	H316X	SR140×10	1	36			
1217SK	H217X	SR150× 9	2	—	—	—	—	34	ZF17	MF17	**75**
2217SK	H317X	SR150×10	1	22217EAKD1	H317X	SR150×10	1	38			
1218SK	H218X	SR160×16.2	2	—	—	—	—	35	ZF18	MF18	**80**
2218SK	H318X	SR160×11.2	2	22218EAKD1	H318X	SR160×11.2	2	40			
—	—	—	—	23218EMKD1	H2318X	SR160×10	1	46			
1219SK	H219X	SR170×10.5	2	—	—	—	—	37	ZF19	MF19	**85**
2219SK	H319X	SR170×10	1	22219EAKD1	H319X	SR170×10	1	43			
1220SK	H220X	SR180×18.1	2	—	—	—	—	39	ZF20	MF20	**90**
2220SK	H320X	SR180×12.1	2	22220EAKD1	H320X	SR180×12.1	2	45			
—	—	—	—	23220EMKD1	H2320X	SR180×10	1	52			
1222SK	H222X	SR200×21	2	—	—	—	—	42	ZF22	MF22	**100**
2222SK	H322X	SR200×13.5	2	22222EAKD1	H322X	SR200×13.5	2	50			
—	—	—	—	23222EMKD1	H2322X	SR200×10	1	58			
—	—	—	—	22224EAKD1	H3124X	SR215×14	2	53	ZF24	MF24	**110**
				23224EMKD1	H2324X	SR215×10	1	62			
—	—	—	—	22226EAKD1	H3126	SR230×13	2	57	ZF26	MF26	**115**
				23226EMKD1	H2326	SR230×10	1	65			
—	—	—	—	22228EAKD1	H3128	SR250×15	2	60	ZF28	MF28	**125**
				23228EMKD1	H2328	SR250×10	1	70			
—	—	—	—	22230EAKD1	H3130	SR270×16.5	2	65	ZF30	MF30	**135**
				23230EMKD1	H2330	SR270×10	1	76			
—	—	—	—	22232EAKD1	H3132	SR290×17	2	71	ZF32	MF32	**140**
				23232EMKD1	H2332	SR290×10	1	83			

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.
3. Adapters for bearing series **12** can also be used with series **H2** and **H3**.

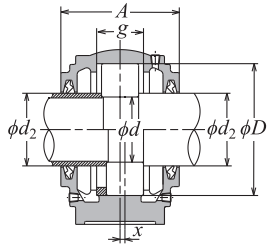
Plummer block series SN2
(large bore type / for cylindrical bore bearings)



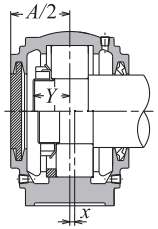
d 30–160 mm

Shaft diameter mm		Plummer block number	Dimensions mm											t Nominal no.	Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg
d	d_2		D	H	J	N	N_1	A	L	A_1	H_1	H_2	g				(approx.)
30	35	**SN206**	62	50	150	15	20	77	185	52	22	90	30	M 8	R1/8	M12	1.7
35	45	**SN207**	72	50	150	15	20	82	185	52	22	95	33	M10	R1/8	M12	2.1
40	50	**SN208**	80	60	170	15	20	85	205	60	25	110	33	M10	R1/8	M12	2.7
45	55	**SN209**	85	60	170	15	20	85	205	60	25	112	31	M10	R1/8	M12	3
50	60	**SN210**	90	60	170	15	20	90	205	60	25	115	33	M10	R1/8	M12	3.2
55	65	**SN211**	100	70	210	18	23	95	255	70	28	130	33	M12	R1/8	M16	4.3
60	70	**SN212**	110	70	210	18	23	105	255	70	30	135	38	M12	R1/8	M16	5.2
65	75	**SN213**	120	80	230	18	23	110	275	80	30	150	43	M12	R1/8	M16	5.9
70	80	**SN214**	125	80	230	18	23	115	275	80	30	155	44	M12	R1/8	M16	5.7
75	85	**SN215**	130	80	230	18	23	115	280	80	30	155	41	M12	R1/8	M16	7.2
80	90	**SN216**	140	95	260	22	27	120	315	90	32	175	43	M16	R1/8	M20	8.9
85	95	**SN217**	150	95	260	22	27	125	320	90	32	185	46	M16	R1/8	M20	9.9
90	100	**SN218**	160	100	290	22	27	145	345	100	35	195	62.4	M16	R1/8	M20	12
95	110	**SN219**	170	112	290	22	27	140	345	100	35	210	53	M16	R1/8	M20	13
100	115	**SN220**	180	112	320	26	32	160	380	110	40	218	70.3	M20	R1/8	M24	17
110	125	**SN222**	200	125	350	26	32	175	410	120	45	240	80	M20	R1/4	M24	22
120	135	**SN224**	215	140	350	26	32	185	410	120	45	270	86	M20	R1/4	M24	23
130	145	**SN226**	230	150	380	28	36	190	445	130	50	290	90	M24	R1/4	M24	28
140	155	**SN228**	250	150	420	33	42	205	500	150	50	305	98	M24	R1/4	M30	36
150	165	**SN230**	270	160	450	33	42	220	530	160	60	325	106	M24	R1/4	M30	43
160	175	**SN232**	290	170	470	33	42	235	550	160	60	345	114	M24	R1/4	M30	50

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SN224** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

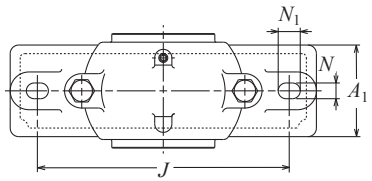


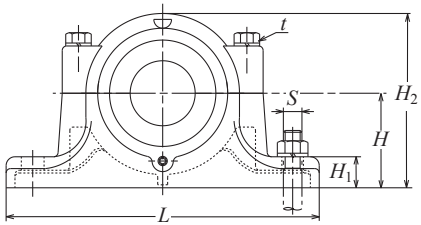
Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Stabilizing ring Number 1)	Quantity	Reference dimension mm Y 2)	Rubber seal number	End cover number	Shaft dia. mm d
1206S	SR 62× 7	2	—	—	—	18	ZF 8	MF 8	**30**
2206S	SR 62×10	1	22206EAW33	SR 62×10	1	20			
1207S	SR 72× 8	2	—	—	—	19	ZF10	MF10	**35**
2207S	SR 72×10	1	22207EAW33	SR 72×10	1	22			
1208S	SR 80× 7.5	2	—	—	—	21	ZF11	MF11	**40**
2208S	SR 80×10	1	22208EAD1	SR 80×10	1	23			
1209S	SR 85× 6	2	—	—	—	22	ZF12	MF12	**45**
2209S	SR 85× 8	1	22209EAD1	SR 85× 8	1	24			
1210S	SR 90× 6.5	2	—	—	—	24	ZF13	MF13	**50**
2210S	SR 90×10	1	22210EAD1	SR 90×10	1	25			
1211S	SR100× 6	2	—	—	—	25	ZF15	MF15	**55**
2211S	SR100× 8	1	22211EAD1	SR100× 8	1	27			
1212S	SR110× 8	2	—	—	—	26	ZF16	MF16	**60**
2212S	SR110×10	1	22212EAD1	SR110×10	1	29			
1213S	SR120×10	2	—	—	—	28	ZF17	MF17	**65**
2213S	SR120×12	1	22213EAD1	SR120×12	1	32			
1214S	SR125×10	2	—	—	—	28	ZF18	MF18	**70**
2214S	SR125×13	1	22214EAD1	SR125×13	1	32			
1215S	SR130× 8	2	—	—	—	30	ZF19	MF19	**75**
2215S	SR130×10	1	22215EAD1	SR130×10	1	33			
1216S	SR140× 8.5	2	—	—	—	32	ZF20	MF20	**80**
2216S	SR140×10	1	22216EAD1	SR140×10	1	36			
1217S	SR150× 9	2	—	—	—	34	ZF21	MF21	**85**
2217S	SR150×10	1	22217EAD1	SR150×10	1	38			
1218S	SR160×16.2	2	—	—	—	35	ZF22	MF22	**90**
2218S	SR160×11.2	2	22218EAD1	SR160×11.2	2	40			
—	—	—	23218EMD1	SR160×10	1	46			
1219S	SR170×10.5	2	—	—	—	37	ZF24	MF24	**95**
2219S	SR170×10	1	22219EAD1	SR170×10	1	43			
1220S	SR180×18.1	2	—	—	—	39	ZF26	MF26	**100**
2220S	SR180×12.1	2	22220EAD1	SR180×12.1	2	45			
—	—	—	23220EMD1	SR180×10	1	52			
1222S	SR200×21	2	—	—	—	42	ZF28	MF28	**110**
2222S	SR200×13.5	2	22222EAD1	SR200×13.5	2	50			
—	—	—	23222EMD1	SR200×10	1	58			
—	—	—	22224EAD1	SR215×14	2	53	ZF30	MF30	**120**
			23224EMD1	SR215×10	1	62			
—	—	—	22226EAD1	SR230×13	2	57	GS33	MF33	**130**
			23226EMD1	SR230×10	1	65			
—	—	—	22228EAD1	SR250×15	2	60	GS35	MF35	**140**
			23228EMD1	SR250×10	1	70			
—	—	—	22230EAD1	SR270×16.5	2	65	GS37	MF37	**150**
			23230EMD1	SR270×10	1	75			
—	—	—	22232EAD1	SR290×17	2	71	GS39	MF39	**160**
			23232EMD1	SR290×10	1	83			

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

Plummer block series SNZ2
(stepped bore type / for cylindrical bore bearings)

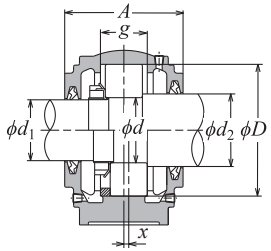




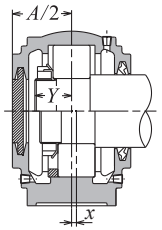
d 30–160 mm

Shaft diameter mm			Plummer block number	Dimensions mm											t Nominal no.	Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg
d	d_1	d_2		D	H	J	N	N_1	A	L	A_1	H_1	H_2	g				(approx.)
30	25	35	**SNZ206**	62	50	150	15	20	77	185	52	22	90	30	M 8	R1/8	M12	1.8
35	30	45	**SNZ207**	72	50	150	15	20	82	185	52	22	95	33	M10	R1/8	M12	2.2
40	35	50	**SNZ208**	80	60	170	15	20	85	205	60	25	110	33	M10	R1/8	M12	2.9
45	40	55	**SNZ209**	85	60	170	15	20	85	205	60	25	112	31	M10	R1/8	M12	3.2
50	45	60	**SNZ210**	90	60	170	15	20	90	205	60	25	115	33	M10	R1/8	M12	3.4
55	50	65	**SNZ211**	100	70	210	18	23	95	255	70	28	130	33	M12	R1/8	M16	4.5
60	55	70	**SNZ212**	110	70	210	18	23	105	255	70	30	135	38	M12	R1/8	M16	5.4
65	60	75	**SNZ213**	120	80	230	18	23	110	275	80	30	150	43	M12	R1/8	M16	6.2
70	60	80	**SNZ214**	125	80	230	18	23	115	275	80	30	155	44	M12	R1/8	M16	6.7
75	65	85	**SNZ215**	130	80	230	18	23	115	280	80	30	155	41	M12	R1/8	M16	7.6
80	70	90	**SNZ216**	140	95	260	22	27	120	315	90	32	175	43	M16	R1/8	M20	9.4
85	75	95	**SNZ217**	150	95	260	22	27	125	320	90	32	185	46	M16	R1/8	M20	10
90	80	100	**SNZ218**	160	100	290	22	27	145	345	100	35	195	62.4	M16	R1/8	M20	13
95	85	110	**SNZ219**	170	112	290	22	27	140	345	100	35	210	53	M16	R1/8	M20	16
100	90	115	**SNZ220**	180	112	320	26	32	160	380	110	40	218	70.3	M20	R1/8	M24	18
110	100	125	**SNZ222**	200	125	350	26	32	175	410	120	45	240	80	M20	R1/4	M24	23
120	110	135	**SNZ224**	215	140	350	26	32	185	410	120	45	270	86	M20	R1/4	M24	25
130	115	145	**SNZ226**	230	150	380	28	36	190	445	130	50	290	90	M24	R1/4	M24	32
140	125	155	**SNZ228**	250	150	420	33	42	205	500	150	50	305	98	M24	R1/4	M30	41
150	135	165	**SNZ230**	270	160	450	33	42	220	530	160	60	325	106	M24	R1/4	M30	49
160	140	175	**SNZ232**	290	170	470	33	42	235	550	160	60	345	114	M24	R1/4	M30	57

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SNZ224** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

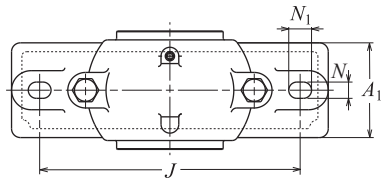


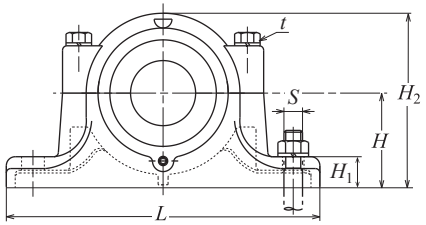
Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Stabilizing ring Number 1)	Quantity	Nut number	Washer number	Reference dimension mm Y 2)	Rubber seal number d_1 side	Rubber seal number d_2 side	End cover number	Shaft dia. mm d
1206S	SR 62× 7	2	—	—	—	AN06	AW06X	18	ZF 6	ZF 8	MF 6	**30**
2206S	SR 62×10	1	22206EAW33	SR 62×10	1			20				
1207S	SR 72× 8	2	—	—	—	AN07	AW07X	19	ZF 7	ZF10	MF 7	**35**
2207S	SR 72×10	1	22207EAW33	SR 72×10	1			22				
1208S	SR 80× 7.5	2	—	—	—	AN08	AW08X	21	ZF 8	ZF11	MF 8	**40**
2208S	SR 80×10	1	22208EAD1	SR 80×10	1			23				
1209S	SR 85× 6	2	—	—	—	AN09	AW09X	22	ZF 9	ZF12	MF 9	**45**
2209S	SR 85× 8	1	22209EAD1	SR 85× 8	1			24				
1210S	SR 90× 6.5	2	—	—	—	AN10	AW10X	24	ZF10	ZF13	MF10	**50**
2210S	SR 90×10	1	22210EAD1	SR 90×10	1			25				
1211S	SR100× 6	2	—	—	—	AN11	AW11X	25	ZF11	ZF15	MF11	**55**
2211S	SR100× 8	1	22211EAD1	SR100× 8	1			27				
1212S	SR110× 8	2	—	—	—	AN12	AW12X	26	ZF12	ZF16	MF12	**60**
2212S	SR110×10	1	22212EAD1	SR110×10	1			29				
1213S	SR120×10	2	—	—	—	AN13	AW13X	28	ZF13	ZF17	MF13	**65**
2213S	SR120×12	1	22213EAD1	SR120×12	1			32				
1214S	SR125×10	2	—	—	—	AN14	AW14X	28	ZF13	ZF18	MF13	**70**
2214S	SR125×13	1	22214EAD1	SR125×13	1			32				
1215S	SR130× 8	2	—	—	—	AN15	AW15	30	ZF15	ZF19	MF15	**75**
2215S	SR130×10	1	22215EAD1	SR130×10	1			33				
1216S	SR140× 8.5	2	—	—	—	AN16	AW16X	32	ZF16	ZF20	MF16	**80**
2216S	SR140×10	1	22216EAD1	SR140×10	1			36				
1217S	SR150× 9	2	—	—	—	AN17	AW17X	34	ZF17	ZF21	MF17	**85**
2217S	SR150×10	1	22217EAD1	SR150×10	1			38				
1218S	SR160×16.2	2	—	—	—	AN18	AW18X	35	ZF18	ZF22	MF18	**90**
2218S	SR160×11.2	2	22218EAD1	SR160×11.2	2			40				
—	—	—	23218EMD1	SR160×10	1			46				
1219S	SR170×10.5	2	—	—	—	AN19	AW19X	37	ZF19	ZF24	MF19	**95**
2219S	SR170×10	1	22219EAD1	SR170×10	1			43				
1220S	SR180×18.1	2	—	—	—	AN20	AW20X	39	ZF20	ZF26	MF20	**100**
2220S	SR180×12.1	2	22220EAD1	SR180×12.1	2			45				
—	—	—	23220EMD1	SR180×10	1			52				
1222S	SR200×21	2	—	—	—	AN22	AW22X	42	ZF22	ZF28	MF22	**110**
2222S	SR200×13.5	2	22222EAD1	SR200×13.5	2			50				
—	—	—	23222EMD1	SR200×10	1			58				
—	—	—	22224EAD1	SR215×14	2	AN24	AW24X	53	ZF24	ZF30	MF24	**120**
			23224EMD1	SR215×10	1			62				
—	—	—	22226EAD1	SR230×13	2	AN26	AW26	57	ZF26	GS33	MF26	**130**
			23226EMD1	SR230×10	1			65				
—	—	—	22228EAD1	SR250×15	2	AN28	AW28	60	ZF28	GS35	MF28	**140**
			23228EMD1	SR250×10	1			70				
—	—	—	22230EAD1	SR270×16.5	2	AN30	AW30	65	ZF30	GS37	MF30	**150**
			23230EMD1	SR270×10	1			76				
—	—	—	22232EAD1	SR290×17	2	AN32	AW32	71	ZF32	GS39	MF32	**160**
			23232EMD1	SR290×10	1			83				

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

Plummer block series SN6 / S6
(standard type / for bearings with adapter)

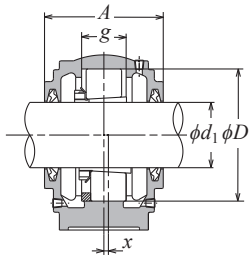




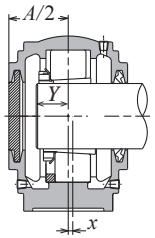
d_1 25–140 mm

Shaft dia. mm d_1	Plummer block number	Dimensions mm D	H	J	N	N_1	A	L	A_1	H_1	H_2	g	t Nominal no.	Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)
25	**SN606**	72	50	150	15	20	82	185	52	22	95	37	M10	R1/8	M12	2.3
30	**SN607**	80	60	170	15	20	90	205	60	25	110	41	M10	R1/8	M12	3
35	**SN608**	90	60	170	15	20	95	205	60	25	115	43	M10	R1/8	M12	3.1
40	**SN609**	100	70	210	18	23	105	255	70	28	130	46	M12	R1/8	M16	4.4
45	**SN610**	110	70	210	18	23	115	255	70	30	135	50	M12	R1/8	M16	5
50	**SN611**	120	80	230	18	23	120	275	80	30	150	53	M12	R1/8	M16	5.8
55	**SN612**	130	80	230	18	23	125	280	80	30	155	56	M12	R1/8	M16	7.7
60	**SN613**	140	95	260	22	27	130	315	90	32	175	58	M16	R1/8	M20	9.8
65	**SN615**	160	100	290	22	27	140	345	100	35	195	65	M16	R1/8	M20	12
70	**SN616**	170	112	290	22	27	145	345	100	35	212	68	M16	R1/8	M20	15
75	**SN617**	180	112	320	26	32	155	380	110	40	218	70	M20	R1/8	M24	17
80	**S618**	190	112	320	26	35	160	400	110	33	230	74	M20	R1/4	M24	21
85	**S619**	200	125	350	26	35	170	420	120	36	245	77	M20	R1/4	M24	24
90	**S620**	215	140	350	26	35	175	420	120	38	280	83	M20	R1/4	M24	29
100	**S622**	240	150	390	28	38	190	460	130	40	300	90	M24	R1/4	M24	38
110	**S624**	260	160	450	33	42	205	540	160	50	325	96	M24	R1/4	M30	47
115	**S626**	280	170	470	33	42	215	560	160	50	350	103	M24	R1/4	M30	54
125	**S628**	300	180	520	35	45	235	630	170	55	375	112	M30	R1/4	M30	70
135	**S630**	320	190	560	35	45	245	680	180	55	395	118	M30	R1/4	M30	75
140	**S632**	340	200	580	42	52	255	710	190	60	415	124	M30	R1/4	M36	80

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. S618 or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

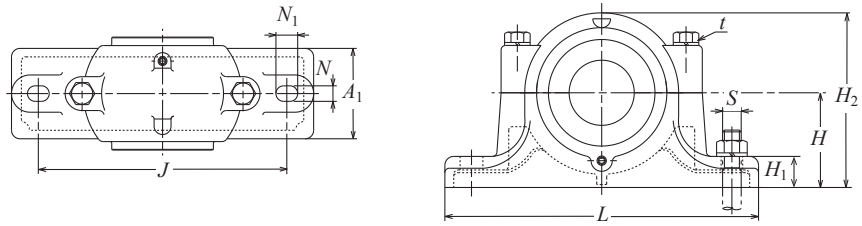


Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Reference dimension mm Y 2)	Rubber seal number	End cover number	Shaft dia. mm d_1
1306SK	H306X	SR 72× 9	2	—	—	—	—	19	ZF 6	MF 6	**25**
2306SK	H2306X	SR 72×10	1					23			
1307SK	H307X	SR 80×10	2	—	—	—	—	21	ZF 7	MF 7	**30**
2307SK	H2307X	SR 80×10	1					26			
1308SK	H308X	SR 90×10	2	21308CK	H308X	SR 90×10	2	23	ZF 8	MF 8	**35**
2308SK	H2308X	SR 90×10	1	22308EAKD1	H2308X	SR 90×10	1	28			
1309SK	H309X	SR100×10.5	2	21309CK	H309X	SR100×10.5	2	25	ZF 9	MF 9	**40**
2309SK	H2309X	SR100×10	1	22309EAKD1	H2309X	SR100×10	1	31			
1310SK	H310X	SR110×11.5	2	21310CK	H310X	SR110×11.5	2	27	ZF10	MF10	**45**
2310SK	H2310X	SR110×10	1	22310EAKD1	H2310X	SR110×10	1	34			
1311SK	H311X	SR120×12	2	21311K	H311X	SR120×12	2	29	ZF11	MF11	**50**
2311SK	H2311X	SR120×10	1	22311EAKD1	H2311X	SR120×10	1	36			
1312SK	H312X	SR130×12.5	2	21312K	H312X	SR130×12.5	2	31	ZF12	MF12	**55**
2312SK	H2312X	SR130×10	1	22312EAKD1	H2312X	SR130×10	1	39			
1313SK	H313X	SR140×12.5	2	21313K	H313X	SR140×12.5	2	33	ZF13	MF13	**60**
2313SK	H2313X	SR140×10	1	22313EAKD1	H2313X	SR140×10	1	40			
1315SK	H315X	SR160×14	2	21315K	H315X	SR160×14	2	36	ZF15	MF15	**65**
2315SK	H2315X	SR160×10	1	22315EAKD1	H2315X	SR160×10	1	45			
1316SK	H316X	SR170×14.5	2	21316K	H316X	SR170×14.5	2	39	ZF16	MF16	**70**
2316SK	H2316X	SR170×10	1	22316EAKD1	H2316X	SR170×10	1	48			
1317SK	H317X	SR180×14.5	2	21317K	H317X	SR180×14.5	2	41	ZF17	MF17	**75**
2317SK	H2317X	SR180×10	1	22317EAKD1	H2317X	SR180×10	1	50			
1318SK	H318X	SR190×15.3	2	21318K	H318X	SR190×15.3	2	42	ZF18	MF18	**80**
2318SK	H2318X	SR190× 9.5	1	22318EAKD1	H2318X	SR190× 9.5	1	52			
1319SK	H319X	SR200×15.8	2	21319K	H319X	SR200×15.8	2	44	ZF19	MF19	**85**
2319SK	H2319X	SR200× 9.5	1	22319EAKD1	H2319X	SR200× 9.5	1	55			
1320SK	H320X	SR215×17.8	2	21320K	H320X	SR215×17.8	2	46	ZF20	MF20	**90**
2320SK	H2320X	SR215× 9.5	1	22320EAKD1	H2320X	SR215× 9.5	1	59			
1322SK	H322X	SR240×19.8	2	21322K	H322X	SR240×19.8	2	48	ZF22	MF22	**100**
2322SK	H2322X	SR240× 9.5	1	22322EAKD1	H2322X	SR240× 9.5	1	63			
—	—	—	—	22324EAKD1	H2324X	SR260× 9.5	1	67	ZF24	MF24	**110**
—	—	—	—	22326EAKD1	H2326	SR280× 9.5	1	72	ZF26	MF26	**115**
—	—	—	—	22328EAKD1	H2328	SR300× 9.5	1	77	ZF28	MF28	**125**
—	—	—	—	22330EMKD1	H2330	SR320× 9.5	1	82	ZF30	MF30	**135**
—	—	—	—	22332EMKD1	H2332	SR340× 9.5	1	88	ZF32	MF32	**140**

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

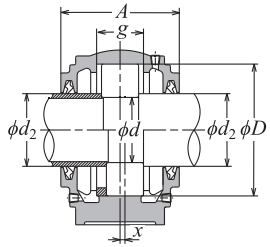
Plummer block series SN3 / S3
(large bore type / for cylindrical bore bearings)



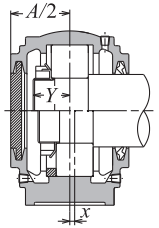
d 30–160 mm

Shaft diameter mm		Plummer block number	Dimensions mm											t	Oil filler / drain plug size	Reference dimension S	Mass
d	d_2		D	H	J	N	N_1	A	L	A_1	H_1	H_2	g	Nominal no.		Nominal dimension	kg (approx.)
30	35	**SN306**	72	50	150	15	20	82	185	52	22	95	37	M10	R1/8	M12	1.8
30	40	**SN306X**	72	50	150	15	20	82	185	52	22	95	37	M10	R1/8	M12	1.8
35	45	**SN307**	80	60	170	15	20	90	205	60	25	110	41	M10	R1/8	M12	2.6
40	50	**SN308**	90	60	170	15	20	95	205	60	25	115	43	M10	R1/8	M12	2.9
45	55	**SN309**	100	70	210	18	23	105	255	70	28	130	46	M12	R1/8	M16	4.1
50	60	**SN310**	110	70	210	18	23	115	255	70	30	135	50	M12	R1/8	M16	4.7
55	65	**SN311**	120	80	230	18	23	120	275	80	30	150	53	M12	R1/8	M16	5.8
60	70	**SN312**	130	80	230	18	23	125	280	80	30	155	56	M12	R1/8	M16	6.5
65	75	**SN313**	140	95	260	22	27	130	315	90	32	175	58	M16	R1/8	M20	8.7
70	80	**SN314**	150	95	260	22	27	130	320	90	32	185	61	M16	R1/8	M20	10
75	85	**SN315**	160	100	290	22	27	140	345	100	35	195	65	M16	R1/8	M20	11
80	90	**SN316**	170	112	290	22	27	145	345	100	35	212	68	M16	R1/8	M20	13
85	95	**SN317**	180	112	320	26	32	155	380	110	40	218	70	M20	R1/8	M24	15
85	100	**SN317X**	180	112	320	26	32	155	380	110	40	218	70	M20	R1/8	M24	15
90	100	**S318**	190	112	320	26	35	160	400	110	33	230	74	M20	R1/4	M24	22
90	105	**S318X**	190	112	320	26	35	160	400	110	33	230	74	M20	R1/4	M24	22
95	110	**S319**	200	125	350	26	35	170	420	120	36	245	77	M20	R1/4	M24	26
100	115	**S320**	215	140	350	26	35	175	420	120	38	280	83	M20	R1/4	M24	32
110	125	**S322**	240	150	390	28	38	190	460	130	40	300	90	M24	R1/4	M24	42
120	135	**S324**	260	160	450	33	42	205	540	160	50	325	96	M24	R1/4	M30	61
130	150	**S326**	280	170	470	33	42	215	560	160	50	350	103	M24	R1/4	M30	68
140	160	**S328**	300	180	520	35	45	235	630	170	55	375	112	M30	R1/4	M30	95
150	170	**S330**	320	190	560	35	45	245	680	180	55	395	118	M30	R1/4	M30	110
160	180	**S332**	340	200	580	42	52	255	710	190	60	415	124	M30	R1/4	M36	130

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. S318 or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

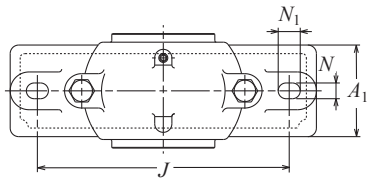


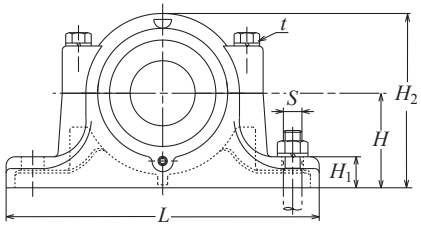
Shaft end type

Applied part: Combination of self-aligning ball bearings			Combination of spherical roller bearings			Reference dimension mm	Rubber seal number	End cover number	Shaft dia. mm
Bearing number	Stabilizing ring Number 1)	Quantity	Bearing number	Stabilizing ring Number 1)	Quantity	Y 2)			d
1306S	SR 72× 9	2	—	—	—	19	ZF 8	MF 8	**30**
2306S	SR 72×10	1				23			
1306S	SR 72× 9	2	—	—	—	19	ZF 9	MF 9	**30**
2306S	SR 72×10	1				23			
1307S	SR 80×10	2	—	—	—	21	ZF10	MF10	**35**
2307S	SR 80×10	1				26			
1308S	SR 90×10	2	21308C	SR 90×10	2	23	ZF11	MF11	**40**
2308S	SR 90×10	1	22308EAD1	SR 90×10	1	28			
1309S	SR100×10.5	2	21309C	SR100×10.5	2	25	ZF12	MF12	**45**
2309S	SR100×10	1	22309EAD1	SR100×10	1	31			
1310S	SR110×11.5	2	21310C	SR110×11.5	2	27	ZF13	MF13	**50**
2310S	SR110×10	1	22310EAD1	SR110×10	1	34			
1311S	SR120×12	2	21311	SR120×12	2	29	ZF15	MF15	**55**
2311S	SR120×10	1	22311EAD1	SR120×10	1	36			
1312S	SR130×12.5	2	21312	SR130×12.5	2	31	ZF16	MF16	**60**
2312S	SR130×10	1	22312EAD1	SR130×10	1	39			
1313S	SR140×12.5	2	21313	SR140×12.5	2	33	ZF17	MF17	**65**
2313S	SR140×10	1	22313EAD1	SR140×10	1	40			
1314S	SR150×13	2	21314	SR150×13	2	34	ZF18	MF18	**70**
2314S	SR150×10	1	22314EAD1	SR150×10	1	42			
1315S	SR160×14	2	21315	SR160×14	2	36	ZF19	MF19	**75**
2315S	SR160×10	1	22315EAD1	SR160×10	1	45			
1316S	SR170×14.5	2	21316	SR170×14.5	2	39	ZF20	MF20	**80**
2316S	SR170×10	1	22316EAD1	SR170×10	1	48			
1317S	SR180×14.5	2	21317	SR180×14.5	2	41	ZF21	MF21	**85**
2317S	SR180×10	1	22317EAD1	SR180×10	1	50			
1317S	SR180×14.5	2	21317	SR180×14.5	2	41	ZF22	MF22	**85**
2317S	SR180×10	1	22317EAD1	SR180×10	1	50			
1318S	SR190×15.3	2	21318	SR190×15.3	2	42	ZF22	MF22	**90**
2318S	SR190× 9.5	1	22318EAD1	SR190× 9.5	1	52			
1318S	SR190×15.3	2	21318	SR190×15.3	2	42	ZF23	MF23	**90**
2318S	SR190× 9.5	1	22318EAD1	SR190× 9.5	1	52			
1319S	SR200×15.8	2	21319	SR200×15.8	2	44	ZF24	MF24	**95**
2319S	SR200× 9.5	1	22319EAD1	SR200× 9.5	1	55			
1320S	SR215×17.8	2	21320	SR215×17.8	2	46	ZF26	MF26	**100**
2320S	SR215× 9.5	1	22320EAD1	SR215× 9.5	1	59			
1322S	SR240×19.8	2	21322	SR240×19.8	2	48	ZF28	MF28	**110**
2322S	SR240× 9.5	1	22322EAD1	SR240× 9.5	1	63			
—	—	—	22324EAD1	SR260× 9.5	1	67	ZF30	MF30	**120**
—	—	—	22326EAD1	SR280× 9.5	1	72	ZF34	MF34	**130**
—	—	—	22328EAD1	SR300× 9.5	1	77	ZF36	MF36	**140**
—	—	—	22330EMD1	SR320× 9.5	1	82	ZF38	MF38	**150**
—	—	—	22332EMD1	SR340× 9.5	1	88	ZF40	MF40	**160**

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

Plummer block series SNZ3 / SZ3
(stepped bore type / for cylindrical bore bearings)

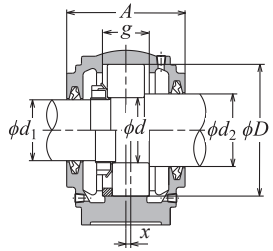




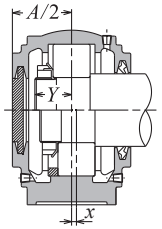
d 30–160 mm

Shaft diameter mm			Plummer block number	Dimensions mm												Oil filler / drain plug size	Reference dimension S	Mass
d	d_1	d_2		D	H	J	N	N_1	A	L	A_1	H_1	H_2	g	t Nominal no.		Nominal dimension	kg (approx.)
30	25	35	**SNZ306**	72	50	150	15	20	82	185	52	22	95	37	M10	R1/8	M12	2.1
30	25	40	**SNZ306X**	72	50	150	15	20	82	185	52	22	95	37	M10	R1/8	M12	2.1
35	30	45	**SNZ307**	80	60	170	15	20	90	205	60	25	110	41	M10	R1/8	M12	3.1
40	35	50	**SNZ308**	90	60	170	15	20	95	205	60	25	115	43	M10	R1/8	M12	3.5
45	40	55	**SNZ309**	100	70	210	18	23	105	255	70	28	130	46	M12	R1/8	M16	4.8
50	45	60	**SNZ310**	110	70	210	18	23	115	255	70	30	135	50	M12	R1/8	M16	5.6
55	50	65	**SNZ311**	120	80	230	18	23	120	275	80	30	150	53	M12	R1/8	M16	6.6
60	55	70	**SNZ312**	130	80	230	18	23	125	280	80	30	155	56	M12	R1/8	M16	7.9
65	60	75	**SNZ313**	140	95	260	22	27	130	315	90	32	175	58	M16	R1/8	M20	11
70	60	80	**SNZ314**	150	95	260	22	27	130	320	90	32	185	61	M16	R1/8	M20	12
75	65	85	**SNZ315**	160	100	290	22	27	140	345	100	35	195	65	M16	R1/8	M20	13
80	70	90	**SNZ316**	170	112	290	22	27	145	345	100	35	212	68	M16	R1/8	M20	16
85	75	95	**SNZ317**	180	112	320	26	32	155	380	110	40	218	70	M20	R1/8	M24	18
85	75	100	**SNZ317X**	180	112	320	26	32	155	380	110	40	218	70	M20	R1/8	M24	18
90	80	100	**SZ318**	190	112	320	26	35	160	400	110	33	230	74	M20	R1/4	M24	21
90	80	105	**SZ318X**	190	112	320	26	35	160	400	110	33	230	74	M20	R1/4	M24	21
95	85	110	**SZ319**	200	125	350	26	35	170	420	120	36	245	77	M20	R1/4	M24	23
100	90	115	**SZ320**	215	140	350	26	35	175	420	120	38	280	83	M20	R1/4	M24	32
110	100	125	**SZ322**	240	150	390	28	38	190	460	130	40	300	90	M24	R1/4	M24	42
120	110	135	**SZ324**	260	160	450	33	42	205	540	160	50	325	96	M24	R1/4	M30	61
130	115	150	**SZ326**	280	170	470	33	42	215	560	160	50	350	103	M24	R1/4	M30	68
140	125	160	**SZ328**	300	180	520	35	45	235	630	170	55	375	112	M30	R1/4	M30	95
150	135	170	**SZ330**	320	190	560	35	45	245	680	180	55	395	118	M30	R1/4	M30	110
160	140	180	**SZ332**	340	200	580	42	52	255	710	190	60	415	124	M30	R1/4	M36	130

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. SZ318 or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

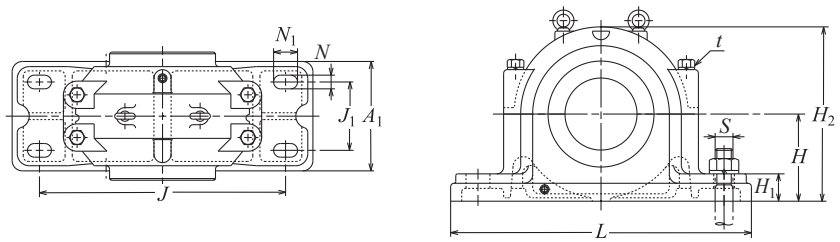


Shaft end type

Applied part								Reference dimension mm	Rubber seal number		End cover number	Shaft dia. mm
Combination of self-aligning ball bearings			Combination of spherical roller bearings			Nut number	Washer number					
Bearing number	Stabilizing ring Number 1)	Quantity	Bearing number	Stabilizing ring Number 1)	Quantity			Y 2)	d_1 side	d_2 side		d
1306S	SR 72× 9	2	—	—	—	AN06	AW06X	19	ZF 6	ZF 8	MF 6	**30**
2306S	SR 72×10	1						23				
1306S	SR 72× 9	2	—	—	—	AN06	AW06X	19	ZF 6	ZF 9	MF 6	**30**
2306S	SR 72×10	1						23				
1307S	SR 80×10	2	—	—	—	AN07	AW07X	21	ZF 7	ZF10	MF 7	**35**
2307S	SR 80×10	1						26				
1308S	SR 90×10	2	21308C	SR 90×10	2	AN08	AW08X	23	ZF 8	ZF11	MF 8	**40**
2308S	SR 90×10	1	22308EAD1	SR 90×10	1			28				
1309S	SR100×10.5	2	21309C	SR100×10.5	2	AN09	AW09X	25	ZF 9	ZF12	MF 9	**45**
2309S	SR100×10	1	22309EAD1	SR100×10	1			31				
1310S	SR110×11.5	2	21310C	SR110×11.5	2	AN10	AW10X	27	ZF10	ZF13	MF10	**50**
2310S	SR110×10	1	22310EAD1	SR110×10	1			34				
1311S	SR120×12	2	21311	SR120×12	2	AN11	AW11X	29	ZF11	ZF15	MF11	**55**
2311S	SR120×10	1	22311EAD1	SR120×10	1			36				
1312S	SR130×12.5	2	21312	SR130×12.5	2	AN12	AW12X	31	ZF12	ZF16	MF12	**60**
2312S	SR130×10	1	22312EAD1	SR130×10	1			39				
1313S	SR140×12.5	2	21313	SR140×12.5	2	AN13	AW13X	33	ZF13	ZF17	MF13	**65**
2313S	SR140×10	1	22313EAD1	SR140×10	1			40				
1314S	SR150×13	2	21314	SR150×13	2	AN14	AW14X	34	ZF13	ZF18	MF13	**70**
2314S	SR150×10	1	22314EAD1	SR150×10	1			42				
1315S	SR160×14	2	21315	SR160×14	2	AN15	AW15X	36	ZF15	ZF19	MF15	**75**
2315S	SR160×10	1	22315EAD1	SR160×10	1			45				
1316S	SR170×14.5	2	21316	SR170×14.5	2	AN16	AW16X	39	ZF16	ZF20	MF16	**80**
2316S	SR170×10	1	22316EAD1	SR170×10	1			48				
1317S	SR180×14.5	2	21317	SR180×14.5	2	AN17	AW17X	41	ZF17	ZF21	MF17	**85**
2317S	SR180×10	1	22317EAD1	SR180×10	1			50				
1317S	SR180×14.5	2	21317	SR180×14.5	2	AN17	AW17X	41	ZF17	ZF22	MF17	**85**
2317S	SR180×10	1	22317EAD1	SR180×10	1			50				
1318S	SR190×15.3	2	21318	SR190×15.3	2	AN18	AW18X	42	ZF18	ZF22	MF18	**90**
2318S	SR190× 9.5	1	22318EAD1	SR190× 9.5	1			52				
1318S	SR190×15.3	2	21318	SR190×15.3	2	AN18	AW18X	42	ZF18	ZF23	MF18	**90**
2318S	SR190× 9.5	1	22318EAD1	SR190× 9.5	1			52				
1319S	SR200×15.8	2	21319	SR200×15.8	2	AN19	AW19X	44	ZF19	ZF24	MF19	**95**
2319S	SR200× 9.5	1	22319EAD1	SR200× 9.5	1			55				
1320S	SR215×17.8	2	21320	SR215×17.8	2	AN20	AW20X	46	ZF20	ZF26	MF20	**100**
2320S	SR215× 9.5	1	22320EAD1	SR215× 9.5	1			59				
1322S	SR240×19.8	2	21322	SR240×19.8	2	AN22	AW22X	48	ZF22	ZF28	MF22	**110**
2322S	SR240× 9.5	1	22322EAD1	SR240× 9.5	1			63				
—	—	—	22324EAD1	SR260× 9.5	1	AN24	AW24X	67	ZF24	ZF30	MF24	**120**
—	—	—	22326EAD1	SR280× 9.5	1	AN26	AW26	72	ZF26	ZF34	MF26	**130**
—	—	—	22328EAD1	SR300× 9.5	1	AN28	AW28	77	ZF28	ZF36	MF28	**140**
—	—	—	22330EMD1	SR320× 9.5	1	AN30	AW30	82	ZF30	ZF38	MF30	**150**
—	—	—	22332EMD1	SR340× 9.5	1	AN32	AW32	88	ZF32	ZF40	MF32	**160**

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

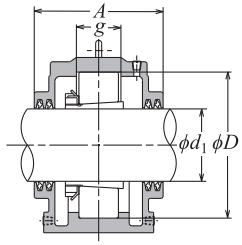
Plummer block series SD5 / SD5G / SD6 / SD6G
(for heavy loads, double seal type / for bearings with adapters)



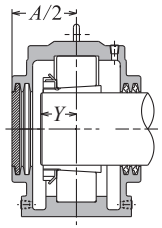
d_1 150–300 mm

Shaft dia. mm	Plummer block number		Dimensions mm												
d_1	Floating side	Fixed side	D	H	J	J_1	N	N_1	A	L	A_1	H_1	H_2	g[1]	t Nominal no.
150	**SD534**	**SD534G**	310	180	510	140	32	52	270	620	230	60	360	96	M24
160	**SD536**	**SD536G**	320	190	540	150	32	52	280	650	240	60	380	96	M24
170	**SD538**	**SD538G**	340	200	570	160	35	55	290	700	260	65	400	102	M30
180	**SD540**	**SD540G**	360	210	610	170	35	55	300	740	270	65	420	108	M30
200	**SD544**	**SD544G**	400	240	680	190	40	60	330	820	300	70	475	118	M30
220	**SD548**	**SD548G**	440	260	740	200	42	62	340	880	310	85	515	130	M36
240	**SD552**	**SD552G**	480	280	790	210	42	62	370	940	340	85	560	140	M36
260	**SD556**	**SD556G**	500	300	830	230	50	70	390	990	370	100	590	140	M36
280	**SD560**	**SD560G**	540	325	890	250	50	70	410	1 060	390	100	640	150	M36
300	**SD564**	**SD564G**	580	355	930	270	57	77	440	1 110	420	110	690	160	M42
150	**SD634**	**SD634G**	360	210	610	170	35	55	300	740	270	65	420	130	M30
160	**SD636**	**SD636G**	380	225	640	180	40	60	320	780	290	70	450	136	M30
170	**SD638**	**SD638G**	400	240	680	190	40	60	330	820	300	70	475	142	M30
180	**SD640**	**SD640G**	420	250	710	200	42	62	350	860	320	85	500	148	M36
200	**SD644**	**SD644G**	460	280	770	210	42	62	360	920	330	85	550	155	M36
220	**SD648**	**SD648G**	500	300	830	230	50	70	390	990	370	100	590	165	M36
240	**SD652**	**SD652G**	540	325	890	250	50	70	410	1 060	390	100	640	175	M36
260	**SD656**	**SD656G**	580	355	930	270	57	77	440	1 110	420	110	690	185	M42

1) Dimension g indicates the bearing width dimension of the floating side. The fixed side (code **G**) is larger than the bearing width dimension by 0.5 mm.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.



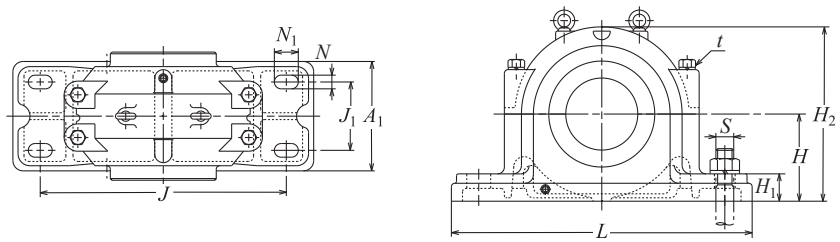
Shaft penetration type



Shaft end type

Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)	Applied part Combination of spherical roller bearings Bearing number	Adapter number	Reference dimension mm Y[2]	Rubber seal number	End cover number	Shaft dia. mm d_1
R3/8	M30	95	22234EMKD1	H3134	75	ZF34	MF34	**150**
R3/8	M30	110	22236EMKD1	H3136	76	ZF36	MF36	**160**
R3/8	M30	130	22238EMKD1	H3138	80	ZF38	MF38	**170**
R3/8	M30	150	22240EMKD1	H3140	84	ZF40	MF40	**180**
R3/8	M36	210	22244EMKD1	H3144	90	ZF44	MF44	**200**
R3/8	M36	240	22248EMKD1	H3148	98	ZF48	MF48	**220**
R3/8	M36	320	22252EMKD1	H3152	105	ZF52	MF52	**240**
R3/8	M42	370	22256EMKD1	H3156	107	ZF56	MF56	**260**
R3/8	M42	460	22260EMKD1	H3160	114	ZF60	MF60	**280**
R3/8	M48	560	22264EMKD1	H3164	122	ZF64	MF64	**300**
R3/8	M30	150	22334EMKD1	H2334	92	ZF34	MF34	**150**
R3/8	M36	180	22336EMKD1	H2336	96	ZF36	MF36	**160**
R3/8	M36	210	22338EMKD1	H2338	100	ZF38	MF38	**170**
R3/8	M36	240	22340EMKD1	H2340	104	ZF40	MF40	**180**
R3/8	M36	300	22344EMKD1	H2344	109	ZF44	MF44	**200**
R3/8	M42	370	22348EMKD1	H2348	116	ZF48	MF48	**220**
R3/8	M42	460	22352EMKD1	H2352	123	ZF52	MF52	**240**
R3/8	M48	560	22356EMKD1	H2356	130	ZF56	MF56	**260**

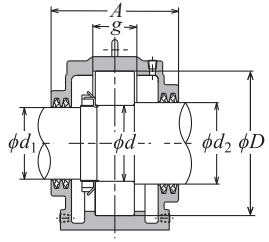
Plummer block series SD2 / SD2G / SD3 / SD3G
(for heavy loads, stepped bore type / for cylindrical bore bearings)



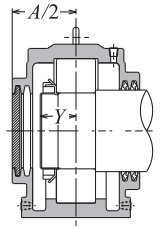
d 170–320 mm

Shaft diameter mm			Plummer block number		Dimensions mm												t
d	d_1	d_2	Floating side	Fixed side	D	H	J	J_1	N	N_1	A	L	A_1	H_1	H_2	g[1]	Nominal no.
170	160	190	**SD234**	**SD234G**	310	180	510	140	32	52	270	620	230	60	360	96	M24
180	170	200	**SD236**	**SD236G**	320	190	540	150	32	52	280	650	240	60	380	96	M24
190	180	210	**SD238**	**SD238G**	340	200	570	160	35	55	290	700	260	65	400	102	M30
200	190	220	**SD240**	**SD240G**	360	210	610	170	35	55	300	740	270	65	420	108	M30
220	210	240	**SD244**	**SD244G**	400	240	680	190	40	60	330	820	300	70	475	118	M30
240	230	260	**SD248**	**SD248G**	440	260	740	200	42	62	340	880	310	85	515	130	M36
260	250	280	**SD252**	**SD252G**	480	280	790	210	42	62	370	940	340	85	560	140	M36
280	260	300	**SD256**	**SD256G**	500	300	830	230	50	70	390	990	370	100	590	140	M36
300	280	320	**SD260**	**SD260G**	540	325	890	250	50	70	410	1 060	390	100	640	150	M36
320	300	340	**SD264**	**SD264G**	580	355	930	270	57	77	440	1 110	420	110	690	160	M42
170	160	190	**SD334**	**SD334G**	360	210	610	170	35	55	300	740	270	65	420	130	M30
180	170	200	**SD336**	**SD336G**	380	225	640	180	40	60	320	780	290	70	450	136	M30
190	180	210	**SD338**	**SD338G**	400	240	680	190	40	60	330	820	300	70	475	142	M30
200	190	220	**SD340**	**SD340G**	420	250	710	200	42	62	350	860	320	85	500	148	M36
220	210	240	**SD344**	**SD344G**	460	280	770	210	42	62	360	920	330	85	550	155	M36
240	230	260	**SD348**	**SD348G**	500	300	830	230	50	70	390	990	370	100	590	165	M36
260	250	280	**SD352**	**SD352G**	540	325	890	250	50	70	410	1 060	390	100	640	175	M36
280	260	300	**SD356**	**SD356G**	580	355	930	270	57	77	440	1 110	420	110	690	185	M42

1) Dimension g indicates the bearing width dimension of the floating side. The fixed side (code **G**) is larger than the bearing width dimension by 0.5 mm.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.



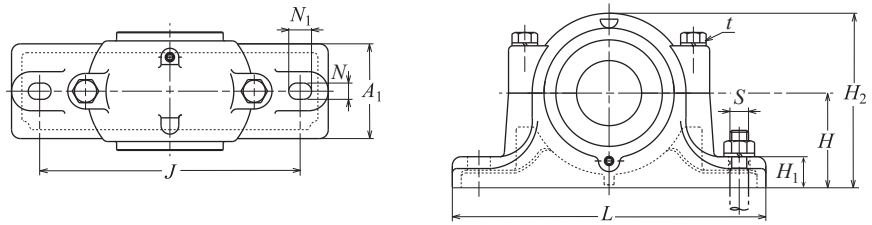
Shaft penetration type



Shaft end type

Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)	Applied part Combination of spherical roller bearings Bearing number	Adapter number	Washer / lock plate number	Reference dimension mm Y[2]	Rubber seal number d_1 side	Rubber seal number d_2 side	End cover number	Shaft dia. mm d
R3/8	M30	95	22234EMD1	AN34	AW34	75	ZF36	ZF42	MF36	**170**
R3/8	M30	110	22236EMD1	AN36	AW36	76	ZF38	ZF44	MF38	**180**
R3/8	M30	130	22238EMD1	AN38	AW38	80	ZF40	ZF46	MF40	**190**
R3/8	M30	150	22240EMD1	AN40	AW40	84	ZF42	ZF48	MF42	**200**
R3/8	M36	210	22244EMD1	AN44	AL44	90	ZF46	ZF52	MF46	**220**
R3/8	M36	240	22248EMD1	AN48	AL44	98	GS50S	ZF56	MF50	**240**
R3/8	M36	320	22252EMD1	AN52	AL52	105	ZF54	ZF60	MF54	**260**
R3/8	M42	370	22256EMD1	AN56	AL52	107	ZF56	ZF64	MF56	**280**
R3/8	M42	460	22260EMD1	AN60	AL60	114	ZF60	ZF68	MF60	**300**
R3/8	M48	560	22264EMD1	AN64	AL64	122	ZF64	GS72	MF64	**320**
R3/8	M30	150	22334EMD1	AN34	AW34	92	ZF36	ZF42	MF36	**170**
R3/8	M36	180	22336EMD1	AN36	AW36	96	ZF38	ZF44	MF38	**180**
R3/8	M36	210	22338EMD1	AN38	AW38	100	ZF40	ZF46	MF40	**190**
R3/8	M36	240	22340EMD1	AN40	AW40	104	ZF42	ZF48	MF42	**200**
R3/8	M36	300	22344EMD1	AN44	AL44	109	ZF46	ZF52	MF46	**220**
R3/8	M42	370	22348EMD1	AN48	AL44	116	GS50S	ZF56	MF50	**240**
R3/8	M42	460	22352EMD1	AN52	AL52	123	ZF54	ZF60	MF54	**260**
R3/8	M48	560	22356EMD1	AN56	AL52	130	ZF56	ZF64	MF56	**280**

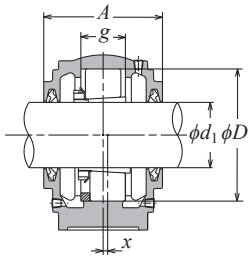
Plummer block series SN30 / SN31
(standard type / for bearings with adapter)



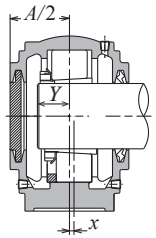
d_1 100–170 mm

Shaft dia. mm d_1	Plummer block number	Dimensions mm D	H	J	N	N_1	A	L	A_1	H_1	H_2	g	t Nominal no.	Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)
110	**SN3024**	180	112	320	26	32	150	380	110	40	217	56	M20	R1/4	M24	17
115	**SN3026**	200	125	350	26	32	160	410	120	45	240	62	M20	R1/4	M24	20
125	**SN3028**	210	140	350	26	32	170	410	120	45	260	63	M20	R1/4	M24	25
135	**SN3030**	225	150	380	28	36	175	445	130	50	283	66	M24	R1/4	M24	30
140	**SN3032**	240	150	390	28	36	190	460	130	50	290	70	M24	R1/4	M24	33
150	**SN3034**	260	160	450	33	42	200	530	160	60	310	77	M24	R1/4	M30	46
160	**SN3036**	280	170	470	33	42	210	550	160	60	330	84	M24	R1/4	M30	52
170	**SN3038**	290	170	470	33	42	210	550	160	60	335	85	M24	R1/4	M30	52
100	**SN3122**	180	112	320	26	32	155	380	110	40	217	66	M20	R1/4	M24	18
110	**SN3124**	200	125	350	26	32	165	410	120	45	240	72	M20	R1/4	M24	21
115	**SN3126**	210	140	350	26	32	170	410	120	45	260	74	M20	R1/4	M24	26
125	**SN3128**	225	150	380	28	36	180	445	130	50	283	78	M24	R1/4	M24	32
135	**SN3130**	250	150	420	33	42	200	500	150	50	295	90	M24	R1/4	M30	40
140	**SN3132**	270	160	450	33	42	215	530	160	60	315	96	M24	R1/4	M30	45
150	**SN3134**	280	170	470	33	42	220	550	160	60	330	98	M24	R1/4	M30	51
160	**SN3136**	300	180	520	33	42	230	610	170	70	355	106	M30	R1/4	M30	63
170	**SN3138**	320	190	560	33	42	240	650	180	70	375	114	M30	R1/4	M30	76

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SN3028** or larger and **SN3126** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

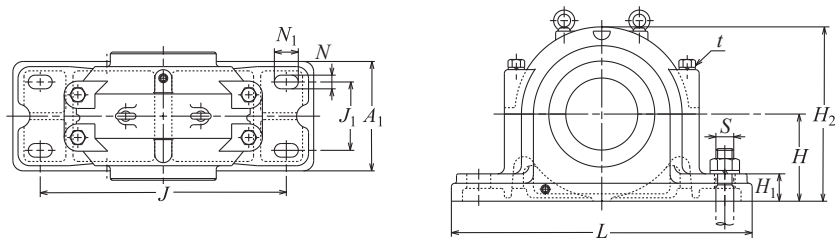


Shaft end type

Applied part Combination of spherical roller bearings Bearing number	Adapter Plummer block number	Stabilizing ring Plummer block number 1)	Stabilizing ring Quantity	Reference dimension mm Y 2)	Rubber seal number	End cover number	Shaft dia. mm d_1
23024EAKD1	H3024X	SR180×10	1	47	ZF24	MF24	**110**
23026EAKD1	H3026	SR200×10	1	51	ZF26	MF26	**115**
23028EAKD1	H3028	SR210×10	1	53	ZF28	MF28	**125**
23030EAKD1	H3030	SR225×10	1	56	ZF30	MF30	**135**
23032EAKD1	H3032	SR240×10	1	61	ZF32	MF32	**140**
23034EAKD1	H3034	SR260×10	1	66	ZF34	MF34	**150**
23036EAKD1	H3036	SR280×10	1	70	ZF36	MF36	**160**
23038EAKD1	H3038	SR290×10	1	72	ZF38	MF38	**170**
23122EAKD1	H3122X	SR180×10	1	51	ZF22	MF22	**100**
23124EAKD1	H3124X	SR200×10	1	55	ZF24	MF24	**110**
23126EAKD1	H3126	SR210×10	1	57	ZF26	MF26	**115**
23128EAKD1	H3128	SR225×10	1	60	ZF28	MF28	**125**
23130EAKD1	H3130	SR250×10	1	68	ZF30	MF30	**135**
23132EAKD1	H3132	SR270×10	1	74	ZF32	MF32	**140**
23134EAKD1	H3134	SR280×10	1	76	ZF34	MF34	**150**
23136EAKD1	H3136	SR300×10	1	81	ZF36	MF36	**160**
23138EMKD1	H3138	SR320×10	1	86	ZF38	MF38	**170**

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

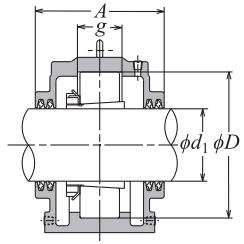
Plummer block series SD30 / SD30G
(for heavy loads, double seal type / for bearings with adapters)



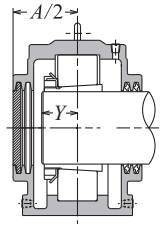
d_1 150–400 mm

Shaft dia. mm	Plummer block number [1]		Dimensions mm												t
d_1	Floating side	Fixed side	D	H	J	J_1	N	N_1	A	L	A_1	H_1	H_2	g [2]	Nominal no.
150	**SD3034**	**SD3034G**	260	160	450	110	32	42	230	540	200	50	320	77	M24
160	**SD3036**	**SD3036G**	280	170	470	120	32	42	250	560	220	50	340	84	M24
170	**SD3038**	**SD3038G**	290	170	470	120	32	42	250	560	220	50	345	85	M24
180	**SD3040**	**SD3040G**	310	180	510	140	32	52	270	620	250	60	360	92	M24
200	**SD3044**	**SD3044G**	340	200	570	160	35	55	290	700	280	65	400	100	M30
220	**SD3048**	**SD3048G**	360	210	610	170	35	55	300	740	290	65	420	102	M30
240	**SD3052**	**SD3052G**	400	240	680	190	40	60	340	820	320	70	475	114	M30
260	**SD3056**	**SD3056G**	420	250	710	200	42	62	350	860	340	85	500	116	M36
280	**SD3060**	**SD3060G**	460	280	770	210	42	62	360	920	350	85	550	128	M36
300	**SD3064**	**SD3064G**	480	280	790	210	42	62	380	940	360	85	560	131	M36
380	**SD3080**	**SD3080G**	600	365	960	270	57	77	430	1 140	420	120	710	158	M42
400	**SD3084**	**SD3084G**	620	375	980	270	57	77	430	1 160	420	120	735	160	M42

1) SD3068, SD3072, and SD3076 have the same dimensions as SD3368, SD3372, and SD3376. Therefore, when these models are necessary, select "SD3368, SD3372, and SD3376".
2) Dimension g indicates the bearing width dimension of the floating side. The fixed side (code G) is larger than the bearing width dimension by 0.5 mm.
3) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.



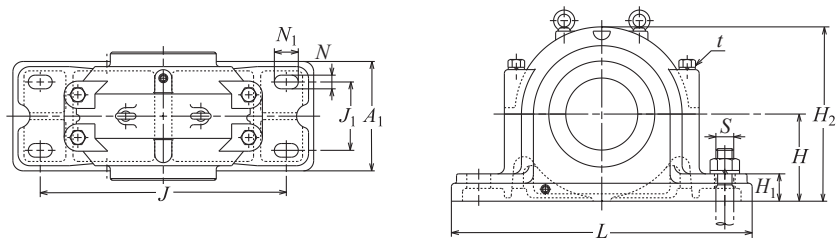
Shaft penetration type



Shaft end type

Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)	Applied part Combination of spherical roller bearings Bearing number	Adapter number	Reference dimension mm Y [3]	Rubber seal number	End cover number	Shaft dia. mm d_1
R3/8	M30	70	23034EAKD1	H3034	66	ZF34	MF34	**150**
R3/8	M30	80	23036EAKD1	H3036	70	ZF36	MF36	**160**
R3/8	M30	85	23038EAKD1	H3038	72	ZF38	MF38	**170**
R3/8	M30	100	23040EMKD1	H3040	76	ZF40	MF40	**180**
R3/8	M30	130	23044EMKD1	H3044	79	ZF44	MF44	**200**
R3/8	M30	150	23048EMKD1	H3048	84	ZF48	MF48	**220**
R3/8	M36	210	23052EMKD1	H3052	90	ZF52	MF52	**240**
R3/8	M36	240	23056EMKD1	H3056	95	ZF56	MF56	**260**
R3/8	M36	300	23060EMKD1	H3060	105	ZF60	MF60	**280**
R3/8	M36	320	23064EMKD1	H3064	108	ZF64	MF64	**300**
R3/8	M48	620	23080BK	H3080	131	GS80	MF80	**380**
R3/8	M48	690	23084BK	H3084	132	GS84	MF84	**400**

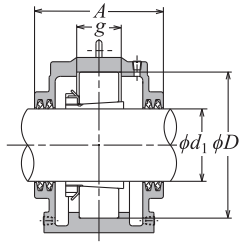
Plummer block series SD31 / SD31G
(for heavy loads, double seal type / for bearings with adapters)



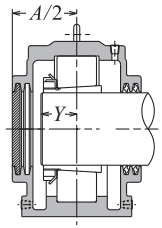
d_1 150–400 mm

Shaft dia. mm d_1	Plummer block number [1] Floating side	Plummer block number [1] Fixed side	Dimensions mm D	H	J	J_1	N	N_1	A	L	A_1	H_1	H_2	g [2]	t Nominal no.
150	**SD3134**	**SD3134G**	280	170	470	120	35	42	250	560	220	50	340	98	M24
160	**SD3136**	**SD3136G**	300	180	520	140	35	52	270	630	250	55	365	106	M30
170	**SD3138**	**SD3138G**	320	190	560	140	35	55	310	680	270	55	385	114	M30
180	**SD3140**	**SD3140G**	340	200	570	160	35	55	310	700	280	65	400	122	M30
200	**SD3144**	**SD3144G**	370	225	640	180	40	60	320	780	310	70	450	130	M30
220	**SD3148**	**SD3148G**	400	240	680	190	40	60	330	820	320	70	475	138	M30
240	**SD3152**	**SD3152G**	440	260	740	200	42	62	360	880	350	85	515	154	M36
260	**SD3156**	**SD3156G**	460	280	770	210	42	62	360	920	350	85	550	156	M36
280	**SD3160**	**SD3160G**	500	300	830	230	50	70	390	990	380	100	590	170	M36
300	**SD3164**	**SD3164G**	540	325	890	250	50	70	430	1 060	400	100	640	186	M36
340	**SD3172**	**SD3172G**	600	365	960	310	57	77	470	1 140	460	120	710	202	M42
360	**SD3176**	**SD3176G**	620	375	980	320	57	77	500	1 160	490	120	735	204	M42
380	**SD3180**	**SD3180G**	650	390	1 040	340	57	77	520	1 220	510	125	770	210	M42
400	**SD3184**	**SD3184G**	700	420	1 070	380	57	77	560	1 250	550	135	820	234	M42

1) SD3168 has the same dimensions as SD3468. Therefore, when this model is necessary, select "SD3468".
2) Dimension g indicates the bearing width dimension of the floating side. The fixed side (code G) is larger than the bearing width dimension by 0.5 mm.
3) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.



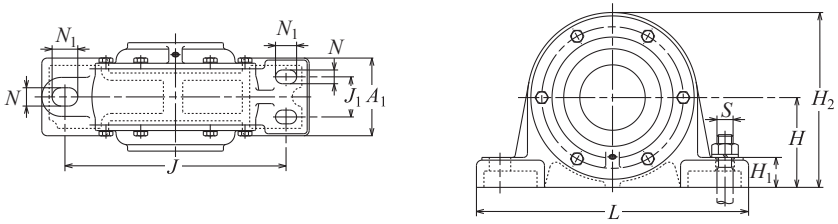
Shaft penetration type



Shaft end type

Oil filler / drain plug size	Reference dimension S Nominal dimension	Mass kg (approx.)	Applied part Combination of spherical roller bearings Bearing number	Applied part Adapter number	Reference dimension mm Y [3]	Rubber seal number	End cover number	Shaft dia. mm d_1
R3/8	M30	75	23134EAKD1	H3134	76	ZF34	MF34	**150**
R3/8	M30	94	23136EAKD1	H3136	81	ZF36	MF36	**160**
R3/8	M30	110	23138EMKD1	H3138	86	ZF38	MF38	**170**
R3/8	M30	130	23140EMKD1	H3140	91	ZF40	MF40	**180**
R3/8	M36	180	23144EMKD1	H3144	96	ZF44	MF44	**200**
R3/8	M36	210	23148EMKD1	H3148	102	ZF48	MF48	**220**
R3/8	M36	240	23152EMKD1	H3152	112	ZF52	MF52	**240**
R3/8	M36	310	23156EMKD1	H3156	115	ZF56	MF56	**260**
R3/8	M42	400	23160EMKD1	H3160	124	ZF60	MF60	**280**
R3/8	M42	480	23164EMKD1	H3164	135	ZF64	MF64	**300**
R3/8	M48	630	23172BK	H3172	159	GS72	MF72	**340**
R3/8	M48	850	23176BK	H3176	162	GS76	MF76	**360**
R3/8	M48	960	23180BK	H3180	167	GS80	MF80	**380**
R3/8	M48	1 080	23184BK	H3184	187	GS84	MF84	**400**

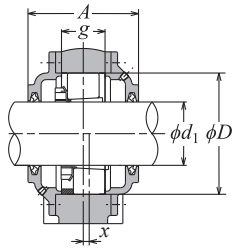
Plummer block series SV5
(unit type, standard type / for bearings with adapter assembly)



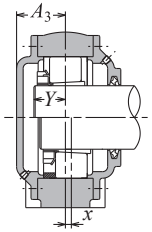
d_1 20–135 mm

Shaft dia. mm d_1	Plummer block number	Dimensions mm D	H	J	J_1	N	N_1	A	L	A_1	A_3	H_1	H_2	g	Oil filler / drain plug size	Reference dimension S Nominal dimension	Quantity	Mass kg (approx.)
20	**SV505**	52	45	130	—	16	20	73	165	46	31	22	85	27	R1/8	M14	2	2.1
25	**SV506**	62	50	150	—	16	20	80	185	52	34	22	95	30	R1/8	M14	2	2.7
30	**SV507**	72	56	150	—	16	20	85	185	52	37.5	22	106	33	R1/8	M14	2	3.3
35	**SV508**	80	60	170	—	16	20	95	205	60	40.5	25	118	37	R1/8	M14	2	4.5
40	**SV509**	85	63	170	—	16	23	98	205	60	42.5	25	125	39	R1/8	M14	2	4.5
45	**SV510**	90	67	170	—	16	23	100	205	60	42.5	25	128	39	R1/8	M14	2	4.8
50	**SV511**	100	71	210	—	16	23	106	255	70	47	28	140	42	R1/8	M14	2	5.8
55	**SV512**	110	80	210	—	21	25	112	255	70	47	30	155	46	R1/8	M18	2	6.8
60	**SV513**	120	85	230	—	21	25	118	275	80	50	30	165	49	R1/8	M18	2	9.5
65	**SV515**	130	90	230	—	21	25	118	280	80	50	30	175	50	R1/8	M18	2	10
70	**SV516**	140	100	260	—	25	30	136	315	90	58	32	195	56	R1/8	M22	2	14
75	**SV517**	150	100	260	—	25	30	140	315	90	60	32	195	56	R1/8	M22	2	15
80	**SV518**	160	112	290	—	25	30	150	345	100	65	35	224	62	R1/8	M22	2	20
85	**SV519**	170	112	290	—	25	30	165	345	100	72.5	35	224	62	R1/8	M22	2	20
90	**SV520**	180	125	320	56	23	32	170	380	110	75	40	243	70	R1/8	M20	4	26
100	**SV522**	200	132	350	60	23	32	190	410	120	82	45	265	82	R1/4	M20	4	30
110	**SV524**	215	140	350	60	23	32	190	410	120	82	45	280	82	R1/4	M20	4	36
115	**SV526**	230	150	380	65	23	32	200	450	130	87	50	300	86	R1/4	M20	4	45
125	**SV528**	250	160	420	80	23	32	218	500	150	96	50	315	94	R1/4	M20	4	53
135	**SV530**	270	170	450	92	29	42	236	540	160	105	60	335	103	R1/4	M24	4	63

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SV520** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

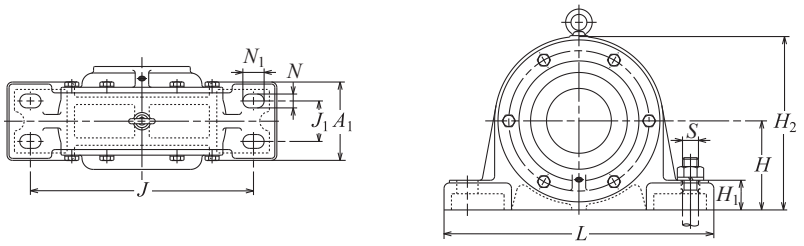


Shaft end type

Applied part: Combination of self-aligning ball bearings — Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings — Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Reference dimension mm Y 2)	Rubber seal number	Shaft dia. mm d_1
1205SK	H205X	SR 52× 6	2	—	—	—	—	17	ZF 5	**20**
2205SK	H305X	SR 52× 9	1	22205EAKW33	H305X	SR 52× 9	1	19		
1206SK	H206X	SR 62× 7	2	—	—	—	—	18	ZF 6	**25**
2206SK	H306X	SR 62×10	1	22206EAKW33	H306X	SR 62×10	1	20		
1207SK	H207X	SR 72× 8	2	—	—	—	—	19	ZF 7	**30**
2207SK	H307X	SR 72×10	1	22207EAKW33	H307X	SR 72×10	1	22		
1208SK	H208X	SR 80× 9.5	2	—	—	—	—	21	ZF 8	**35**
2208SK	H308X	SR 80× 7	2	22208EAKD1	H308X	SR 80× 7	2	23		
1209SK	H209X	SR 85×10	2	—	—	—	—	22	ZF 9	**40**
2209SK	H309X	SR 85× 8	2	22209EAKD1	H309X	SR 85× 8	2	24		
1210SK	H210X	SR 90× 9.5	2	—	—	—	—	24	ZF10	**45**
2210SK	H310X	SR 90× 8	2	22210EAKD1	H310X	SR 90× 8	2	25		
1211SK	H211X	SR100×10.5	2	—	—	—	—	25	ZF11	**50**
2211SK	H311X	SR100× 8.5	2	22211EAKD1	H311X	SR100× 8.5	2	27		
1212SK	H212X	SR110×12	2	—	—	—	—	26	ZF12	**55**
2212SK	H312X	SR110× 9	2	22212EAKD1	H312X	SR110× 9	2	29		
1213SK	H213X	SR120×13	2	—	—	—	—	28	ZF13	**60**
2213SK	H313X	SR120× 9	2	22213EAKD1	H313X	SR120× 9	2	32		
1215SK	H215X	SR130×12.5	2	—	—	—	—	30	ZF15	**65**
2215SK	H315X	SR130× 9.5	2	22215EAKD1	H315X	SR130× 9.5	2	33		
1216SK	H216X	SR140×15	2	—	—	—	—	32	ZF16	**70**
2216SK	H316X	SR140×11.5	2	22216EAKD1	H316X	SR140×11.5	2	36		
1217SK	H217X	SR150×14	2	—	—	—	—	34	ZF17	**75**
2217SK	H317X	SR150×10	2	22217EAKD1	H317X	SR150×10	2	38		
1218SK	H218X	SR160×16	2	—	—	—	—	35	ZF18	**80**
2218SK	H318X	SR160×11	2	22218EAKD1	H318X	SR160×11	2	40		
—	—	—	—	23218EMKD1	H2318X	SR160× 9.6	1	46		
1219SK	H219X	SR170×15	2	—	—	—	—	37	ZF19	**85**
2219SK	H319X	SR170× 9.5	2	22219EAKD1	H319X	SR170× 9.5	2	43		
1220SK	H220X	SR160×18	2	—	—	—	—	39	ZF20	**90**
2220SK	H320X	SR180×12	2	22220EAKD1	H320X	SR180×12	2	45		
—	—	—	—	23220EMKD1	H2320X	SR180× 9.7	1	52		
1222SK	H222X	SR200×22	2	—	—	—	—	42	ZF22	**100**
2222SK	H322X	SR200×14.5	2	22222EAKD1	H322X	SR200×14.5	2	50		
—	—	—	—	23222EMKD1	H2322X	SR200×12.2	1	58		
—	—	—	—	22224EAKD1	H3124X	SR215×12	2	53	ZF24	**110**
—	—	—	—	23224EMKD1	H2324X	SR215× 6	1	62		
—	—	—	—	22226EAKD1	H3126	SR230×11	2	57	ZF26	**115**
—	—	—	—	23226EMKD1	H2326	SR230× 6	1	65		
—	—	—	—	22228EAKD1	H3128	SR250×13	2	60	ZF28	**125**
—	—	—	—	23228EMKD1	H2328	SR250× 6	1	70		
—	—	—	—	22230EAKD1	H3130	SR270×15	2	65	ZF30	**135**
—	—	—	—	23230EMKD1	H2330	SR270× 7	1	76		

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.
3. Adapters for bearing series **12** can also be used with series **H2** and **H3**.

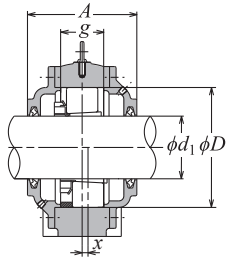
Plummer block series SV5
(unit type, standard type / for bearings with adapter assembly)



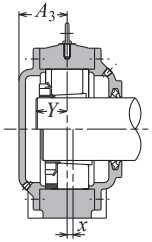
d_1 140–300 mm

Shaft dia. mm d_1	Plummer block number	Dimensions mm D	H	J	J_1	N	N_1	A	L	A_1	A_3	H_1	H_2	g	Oil filler / drain plug size	Reference dimension S Nominal dimension	Quantity	Mass kg (approx.)
140	**SV532**	290	190	470	92	29	50	250	560	170	112	60	375	113	R1/4	M24	4	76
150	**SV534**	310	200	560	92	29	50	258	660	180	116	65	405	122	R1/4	M24	4	89
160	**SV536**	320	200	560	92	29	50	258	660	180	116	65	405	122	R1/4	M24	4	100
170	**SV538**	340	212	580	104	33	54	300	680	190	137	65	425	130	R1/4	M27	4	110
180	**SV540**	360	224	610	130	33	54	300	740	224	136	85	450	138	R1/4	M27	4	130
200	**SV544**	400	250	680	148	36	60	330	820	250	151	95	500	154	R1/4	M30	4	196
220	**SV548**	440	280	740	166	40	66	340	880	280	156	100	560	170	R1/4	M33	4	260
240	**SV552**	480	300	790	180	43	72	370	940	300	173	105	600	184	R1/4	M36	4	318
260	**SV556**	500	315	830	190	43	72	390	990	315	185	110	630	186	R1/4	M36	4	336
280	**SV560**	540	335	890	200	46	78	410	1 060	335	196	115	670	202	R1/4	M39	4	433
300	**SV564**	580	355	930	215	49	84	440	1 110	355	211	120	710	218	R1/4	M42	4	507

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SV520** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

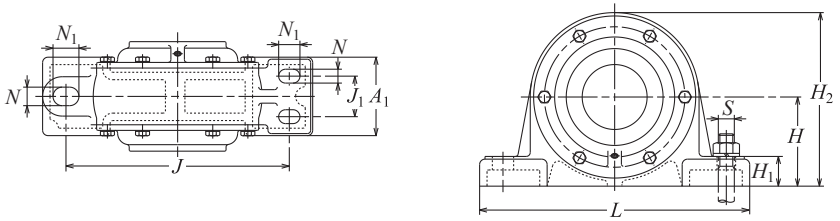


Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Adapter number	Stabilizing ring Number 1)	Quantity	Reference dimension mm Y 2)	Rubber seal number	Shaft dia. mm d_1
—	—	—	—	22232EAKD1	H3132	SR290×16.5	2	71	ZF32	**140**
—	—	—	—	23232EMKD1	H2332	SR290× 9	1	83		
—	—	—	—	22234EMKD1	H3134	SR310×18	2	75	ZF34	**150**
—	—	—	—	23234EMKD1	H2334	SR310×12	1	87		
—	—	—	—	22236EMKD1	H3136	SR320×18	2	76	ZF36	**160**
—	—	—	—	23236EMKD1	H2336	SR320×10	1	89		
—	—	—	—	22238EMKD1	H3138	SR340×19	2	80	ZF38	**170**
—	—	—	—	23238EMKD1	H2338	SR340×10	1	94		
—	—	—	—	22240EMKD1	H3140	SR360×20	2	84	ZF40	**180**
—	—	—	—	23240EMKD1	H2340	SR360×10	1	99		
—	—	—	—	22244EMKD1	H3144	SR400×23	2	90	ZF44	**200**
—	—	—	—	23244EMKD1	H2344	SR400×10	1	108		
—	—	—	—	22248EMKD1	H3148	SR440×25	2	98	ZF48	**220**
—	—	—	—	23248EMKD1	H2348	SR440×10	1	118		
—	—	—	—	22252EMKD1	H3152	SR480×27	2	105	ZF52	**240**
—	—	—	—	23252EMKD1	H2352	SR480×10	1	127		
—	—	—	—	22256EMKD1	H3156	SR500×28	2	107	ZF56	**260**
—	—	—	—	23256EMKD1	H2356	SR500×10	1	130		
—	—	—	—	22260EMKD1	H3160	SR540×31	2	114	ZF60	**280**
—	—	—	—	23260EMKD1	H2360	SR540×10	1	160		
—	—	—	—	22264EMKD1	H3164	SR580×34	2	122	ZF64	**300**
—	—	—	—	23264EMKD1	H2364	SR580×10	1	151		

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.
3. Adapters for bearing series **12** can also be used with series **H2** and **H3**.

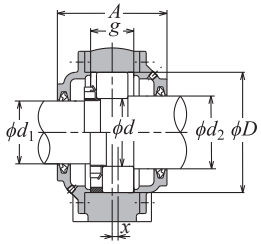
Plummer block series SV2
(unit type, stepped bore type / for cylindrical bore bearings)



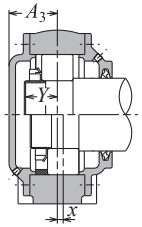
d 25–140 mm

Shaft diameter mm			Plummer block number	Dimensions mm													Oil filler / drain plug size	Reference dimension S		Mass kg
d	d_1	d_2		D	H	J	J_1	N	N_1	A	L	A_1	A_3	H_1	H_2	g		Nominal dimension	Quantity	(approx.)
25	20	30	**SV205**	52	45	130	—	16	20	73	165	46	31	22	85	27	R1/8	M14	2	2.0
30	25	35	**SV206**	62	50	150	—	16	20	80	185	52	34	22	95	30	R1/8	M14	2	2.6
35	30	45	**SV207**	72	56	150	—	16	20	85	185	52	37.5	22	106	33	R1/8	M14	2	3.1
40	35	50	**SV208**	80	60	170	—	16	20	95	205	60	40.5	25	118	37	R1/8	M14	2	4.3
45	40	55	**SV209**	85	63	170	—	16	23	98	205	60	42.5	25	125	39	R1/8	M14	2	4.3
50	45	60	**SV210**	90	67	170	—	16	23	100	205	60	42.5	25	128	39	R1/8	M14	2	4.6
55	50	65	**SV211**	100	71	210	—	16	23	106	255	70	47	28	140	42	R1/8	M14	2	5.5
60	55	70	**SV212**	110	80	210	—	21	25	112	255	70	47	30	155	46	R1/8	M18	2	6.5
65	60	75	**SV213**	120	85	230	—	21	25	118	275	80	50	30	165	49	R1/8	M18	2	9.5
70	60	80	**SV214**	125	90	230	—	21	25	118	280	80	50	30	175	50	R1/8	M18	2	10
75	65	85	**SV215**	130	90	230	—	21	25	118	280	80	50	30	175	50	R1/8	M18	2	10
80	70	90	**SV216**	140	100	260	—	25	30	136	315	90	58	32	195	56	R1/8	M22	2	14
85	75	95	**SV217**	150	100	260	—	25	30	140	315	90	60	32	195	56	R1/8	M22	2	15
90	80	100	**SV218**	160	112	290	—	25	30	150	345	100	65	35	224	62	R1/8	M22	2	20
95	85	110	**SV219**	170	112	290	—	25	30	165	345	100	72.5	35	224	62	R1/8	M22	2	20
100	90	115	**SV220**	180	125	320	56	23	32	170	380	110	75	40	243	70	R1/8	M20	4	26
110	100	125	**SV222**	200	132	350	60	23	32	190	410	120	82	45	265	82	R1/4	M20	4	30
120	110	135	**SV224**	215	140	350	60	23	32	190	410	120	82	45	280	82	R1/4	M20	4	36
130	115	145	**SV226**	230	150	380	65	23	32	200	450	130	87	50	300	86	R1/4	M20	4	44
140	125	155	**SV228**	250	160	420	80	23	32	218	500	150	96	50	315	94	R1/4	M20	4	52

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SV220** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type

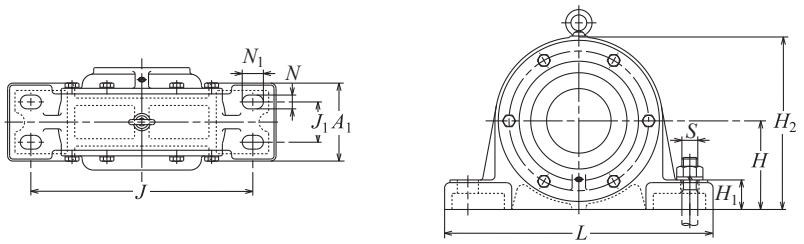


Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Stabilizing ring Number 1)	Quantity	Nut number	Washer number	Reference dimension mm Y 2)	Rubber seal number d_1 side	Rubber seal number d_2 side	Shaft dia. mm d
1205S	SR 52× 6	2	—	—	—	AN05	AW05X	17	ZF 5	ZF 7	**25**
2205S	SR 52× 9	1	22205EAW33	SR 52× 9	1			19			
1206S	SR 62× 7	2	—	—	—	AN06	AW06X	18	ZF 6	ZF 8	**30**
2206S	SR 62×10	1	22206EAW33	SR 62×10	1			20			
1207S	SR 72× 8	2	—	—	—	AN07	AW07X	19	ZF 7	ZF10	**35**
2207S	SR 72×10	1	22207EAW33	SR 72×10	1			22			
1208S	SR 80× 9.5	2	—	—	—	AN08	AW08X	21	ZF 8	ZF11	**40**
2208S	SR 80× 7	2	22208EAD1	SR 80× 7	2			23			
1209S	SR 85×10	2	—	—	—	AN09	AW09X	22	ZF 9	ZF12	**45**
2209S	SR 85× 8	2	22209EAD1	SR 85× 8	2			24			
1210S	SR 90× 9.5	2	—	—	—	AN10	AW10X	24	ZF10	ZF13	**50**
2210S	SR 90× 8	2	22210EAD1	SR 90× 8	2			25			
1211S	SR100×10.5	2	—	—	—	AN11	AW11X	25	ZF11	ZF15	**55**
2211S	SR100× 8.5	2	22211EAD1	SR100× 8.5	2			27			
1212S	SR110×12	2	—	—	—	AN12	AW12X	26	ZF12	ZF16	**60**
2212S	SR110× 9	2	22212EAD1	SR110× 9	2			29			
1213S	SR120×13	2	—	—	—	AN13	AW13X	28	ZF13	ZF17	**65**
2213S	SR120× 9	2	22213EAD1	SR120× 9	2			32			
1214S	SR125×13	2	—	—	—	AN14	AW14X	28	ZF13	ZF18	**70**
2214S	SR125× 9.5	2	22214EAD1	SR125× 9.5	2			32			
1215S	SR130×12.5	2	—	—	—	AN15	AW15X	30	ZF15	ZF19	**75**
2215S	SR130× 9.5	2	22215EAD1	SR130× 9.5	2			33			
1216S	SR140×15	2	—	—	—	AN16	AW16X	32	ZF16	ZF20	**80**
2216S	SR140×11.5	2	22216EAD1	SR140×11.5	2			36			
1217S	SR150×14	2	—	—	—	AN17	AW17X	34	ZF17	ZF21	**85**
2217S	SR150×10	2	22217EAD1	SR150×10	2			38			
1218S	SR160×15	2	—	—	—	AN18	AW18X	35	ZF18	ZF22	**90**
2218S	SR160×11	2	22218EAD1	SR160×11	2			40			
—	—	—	23218EMD1	SR160× 9.6	1			46			
1219S	SR170×15	2	—	—	—	AN19	AW19X	37	ZF19	ZF24	**95**
2219S	SR170× 9.5	2	22219EAD1	SR170× 9.5	2			43			
1220S	SR180×18	2	—	—	—	AN20	AW20X	39	ZF20	ZF26	**100**
2220S	SR180×12	2	22220EAD1	SR180×12	2			45			
—	—	—	23220EMD1	SR180× 9.7	1			52			
1222S	SR200×22	2	—	—	—	AN22	AW22X	42	ZF22	ZF28	**110**
2222S	SR200×14.5	2	22222EAD1	SR200×14.5	2			50			
—	—	—	23222EMD1	SR200×12.2	1			58			
—	—	—	22224EAD1	SR215×12	2	AN24	AW24X	53	ZF24	ZF30	**120**
			23224EMD1	SR215× 6	1			62			
—	—	—	22226EAD1	SR230×11	2	AN26	AW26	57	ZF26	GS33	**130**
			23226EMD1	SR230× 6	1			65			
—	—	—	22228EAD1	SR250×13	2	AN28	AW28	60	ZF28	GS35	**140**
			23228EMD1	SR250× 6	1			70			

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.

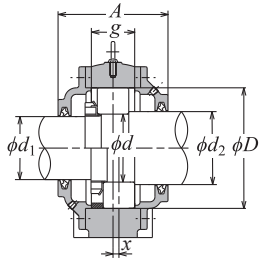
Plummer block series SV2
(unit type, stepped bore type / for cylindrical bore bearings)



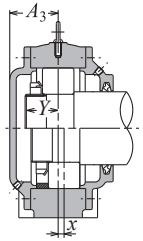
d 150–320 mm

Shaft diameter mm			Plummer block number	Dimensions mm													Oil filler / drain plug size	Reference dimension S		Mass kg
d	d_1	d_2		D	H	J	J_1	N	N_1	A	L	A_1	A_3	H_1	H_2	g		Nominal dimension	Quantity	(approx.)
150	135	165	**SV230**	270	170	450	92	29	42	236	540	160	105	60	335	103	R1/4	M24	4	62
160	140	175	**SV232**	290	190	470	92	29	50	250	560	170	112	60	375	113	R1/4	M24	4	75
170	150	190	**SV234**	310	200	560	92	29	50	258	660	180	116	65	405	122	R1/4	M24	4	87
180	160	200	**SV236**	320	200	560	92	29	50	258	660	180	116	65	405	122	R1/4	M24	4	98
190	170	210	**SV238**	340	212	580	104	33	54	300	680	190	137	65	425	130	R1/4	M27	4	110
200	180	230	**SV240**	360	224	610	130	33	54	300	740	224	136	85	450	138	R1/4	M27	4	130
220	200	250	**SV244**	400	250	680	148	36	60	330	820	250	151	95	500	154	R1/4	M30	4	196
240	220	260	**SV248**	440	280	740	166	40	66	340	880	280	156	100	560	170	R1/4	M33	4	260
260	240	280	**SV252**	480	300	790	180	43	72	370	940	300	173	105	600	184	R1/4	M36	4	318
280	260	300	**SV256**	500	315	830	190	43	72	390	990	315	185	110	630	186	R1/4	M36	4	336
300	280	320	**SV260**	540	335	890	200	46	78	410	1 060	335	196	115	670	202	R1/4	M39	4	433
320	300	340	**SV264**	580	355	930	215	49	84	440	1 110	355	211	120	710	218	R1/4	M42	4	507

1) The stabilizing ring indicates the outside diameter and width dimension.
2) Dimension Y indicates the reference dimension from the shaft center to the end in the case of the shaft end shape.
Note: 1. **SV220** or larger plummer blocks are provided with a lifting eye bolt.



Shaft penetration type



Shaft end type

Applied part: Combination of self-aligning ball bearings Bearing number	Stabilizing ring Number 1)	Quantity	Combination of spherical roller bearings Bearing number	Stabilizing ring Number 1)	Quantity	Nut number	Washer number	Reference dimension mm Y 2)	Rubber seal number d_1 side	d_2 side	Shaft dia. mm d
—	—	—	22230EAD1 23230EMD1	SR270×15 SR270× 7	2 1	AN30	AW30	65 76	ZF30	GS37	**150**
—	—	—	22232EAD1 23232EMD1	SR290×16.5 SR290× 9	2 1	AN32	AW32	71 83	ZF32	GS39	**160**
—	—	—	22234EMD1 23234EMD1	SR310×18 SR310×12	2 1	AN34	AW34	75 87	ZF34	ZF42	**170**
—	—	—	22236EMD1 23236EMD1	SR320×18 SR320×10	2 1	AN36	AW36	76 89	ZF36	ZF44	**180**
—	—	—	22238EMD1 23238EMD1	SR340×19 SR340×10	2 1	AN38	AW38	80 94	ZF38	ZF46	**190**
—	—	—	22240EMD1	SR360×20	2	AN40	AW40	84	ZF40	GS50S	**200**
—	—	—	22244EMD1	SR400×23	2	AN44	AL44	90	ZF44	ZF54	**220**
—	—	—	22248EMD1	SR440×25	2	AN48	AL44	98	ZF48	ZF56	**240**
—	—	—	22252EMD1	SR480×27	2	AN52	AL52	105	ZF52	ZF60	**260**
—	—	—	22256EMD1	SR500×28	2	AN56	AL52	107	ZF56	ZF64	**280**
—	—	—	22260EMD1	SR540×31	2	AN60	AL60	114	ZF60	ZF68	**300**
—	—	—	22264EMD1	SR580×34	2	AN64	AL64	122	ZF64	GS72	**320**

Note: 2. Dimension x applies to plummer block numbers using one stabilizing ring and indicates the value of deviation from the bearing center to the plummer block center. The value is 1/2 of the width dimension of the stabilizing ring.