

JAYCO



SNA Series

JAYCO SNA SERIES

DESCRIPTION

JAYCO SNA Series are robust, horizontally split bearing housings designed for reliable shaft support, easy installation and simplified maintenance. They are dimensionally interchangeable with standard SN/SNA housing arrangements and are suitable for shaft diameters from approximately 20 mm to 140 mm.

DESIGN & CONSTRUCTION

The housings feature a reinforced body, broad central rib and rigid base for improved strength and operational stability. They are available with two-bolt or four-bolt foundation arrangements.

Key features include:

- Horizontally split construction
- Open-end or closed-end design
- Locating-ring provision
- Grease drain hole with plug
- Multiple sealing options
- Solid and reinforced base options

Available seals: TC Felt, TA V-Ring, TG Double-Lip, TL Four-Lip and TS Labyrinth Seal.

LUBRICATION

JAYCO SNA housings are suitable for grease and oil lubrication. A grease nipple is provided on the housing cap for convenient re-lubrication. For W33-type bearings, the nipple can be positioned above the bearing lubrication groove. A drain hole allows easy removal of excess or contaminated grease.

MATERIAL

Available material options include:

- Cast Iron: IS 210, FG 220 / FG 260
- Cast Steel: IS 1030, Grade 280-520 W
- SG Iron / Ductile Iron: As per application requirement

Material selection depends on operating load, vibration, impact and environmental conditions.

BEARING ARRANGEMENT

The housings are suitable for self-aligning ball bearings and spherical roller bearings, particularly tapered-bore bearings mounted on adapter sleeves.

They can be configured as:

Locating arrangement: Bearing secured axially with locating rings

Non-locating arrangement: Bearing allowed limited axial movement to accommodate shaft expansion

SERIES RANGE.

Available dimensional series include:

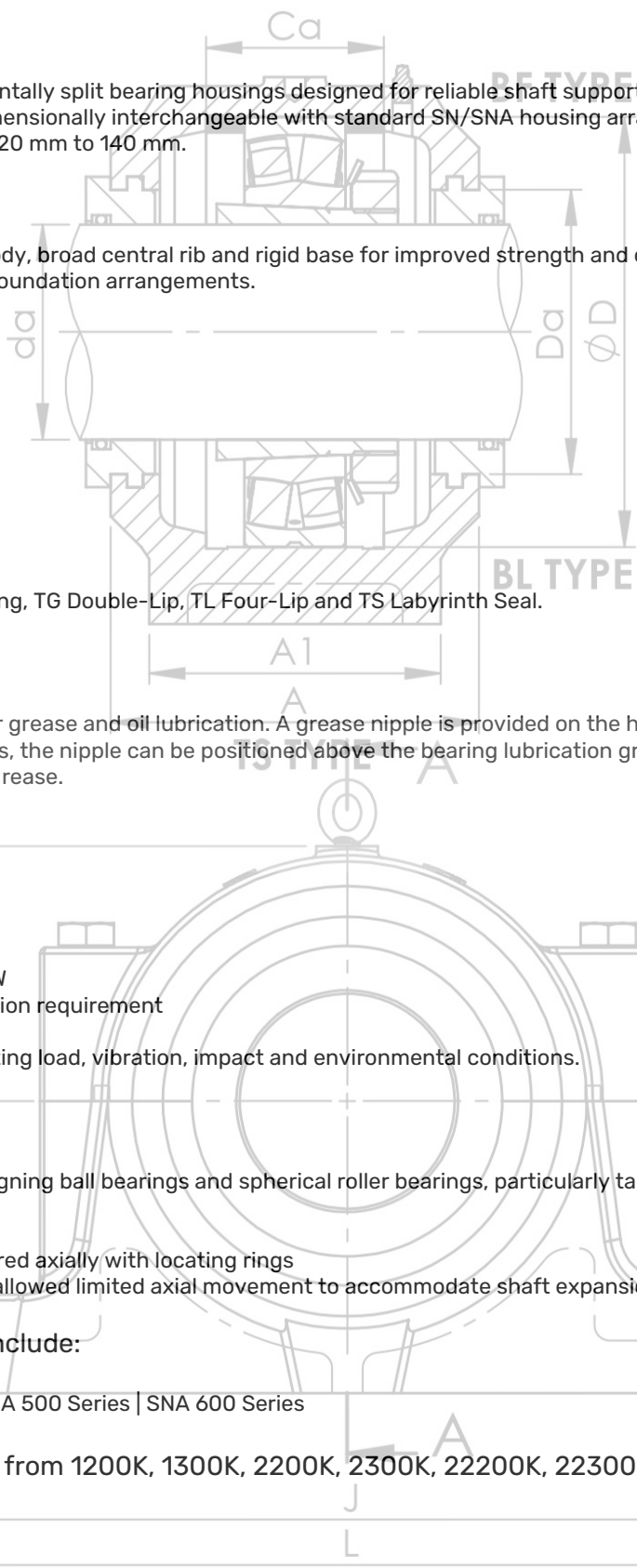
SNA 200 Series | SNA 300 Series | SNA 500 Series | SNA 600 Series

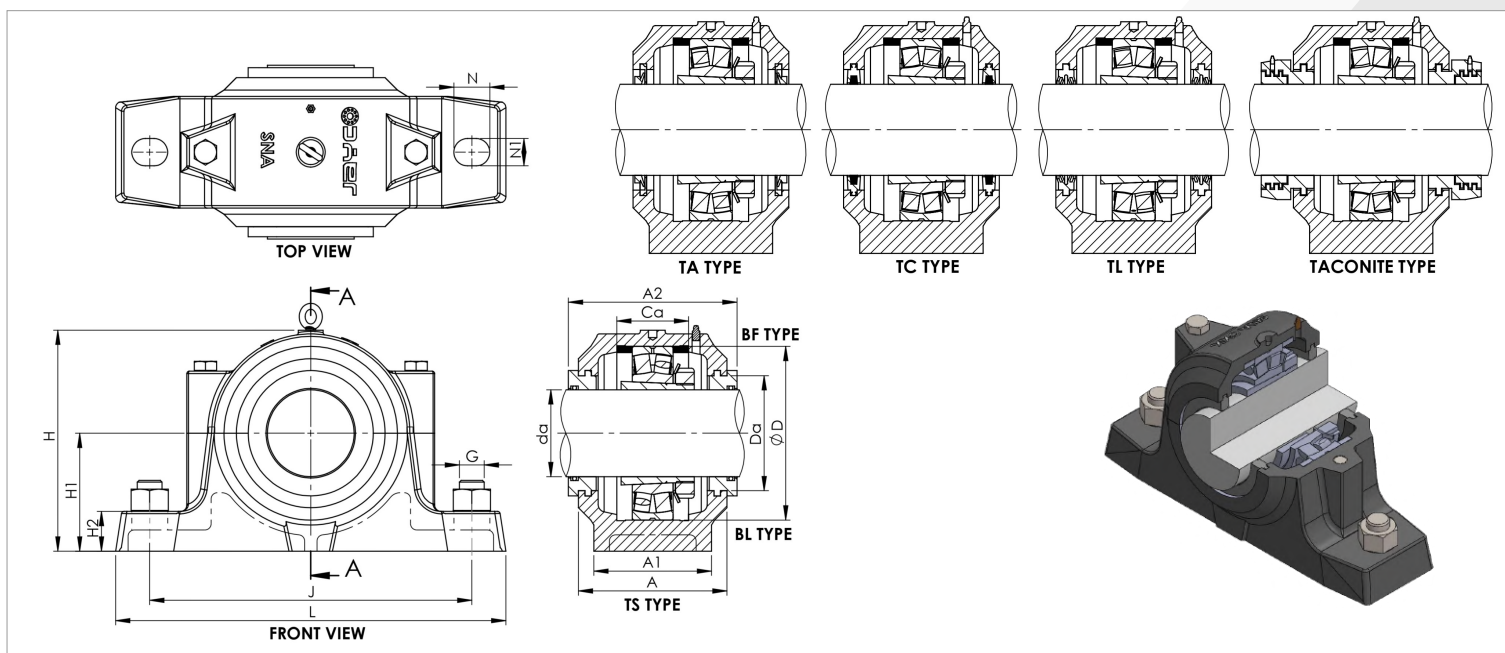
Suitable for selected bearings from 1200K, 1300K, 2200K, 2300K, 22200K, 22300K and 23200K Series.

MOUNTING

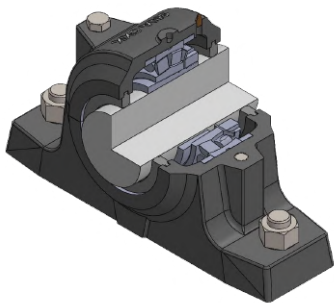
The split design allows bearing installation and removal without dismantling the complete shaft arrangement. Correct alignment, clean mounting surfaces, proper lubrication and uniform bolt tightening are essential for reliable operation.

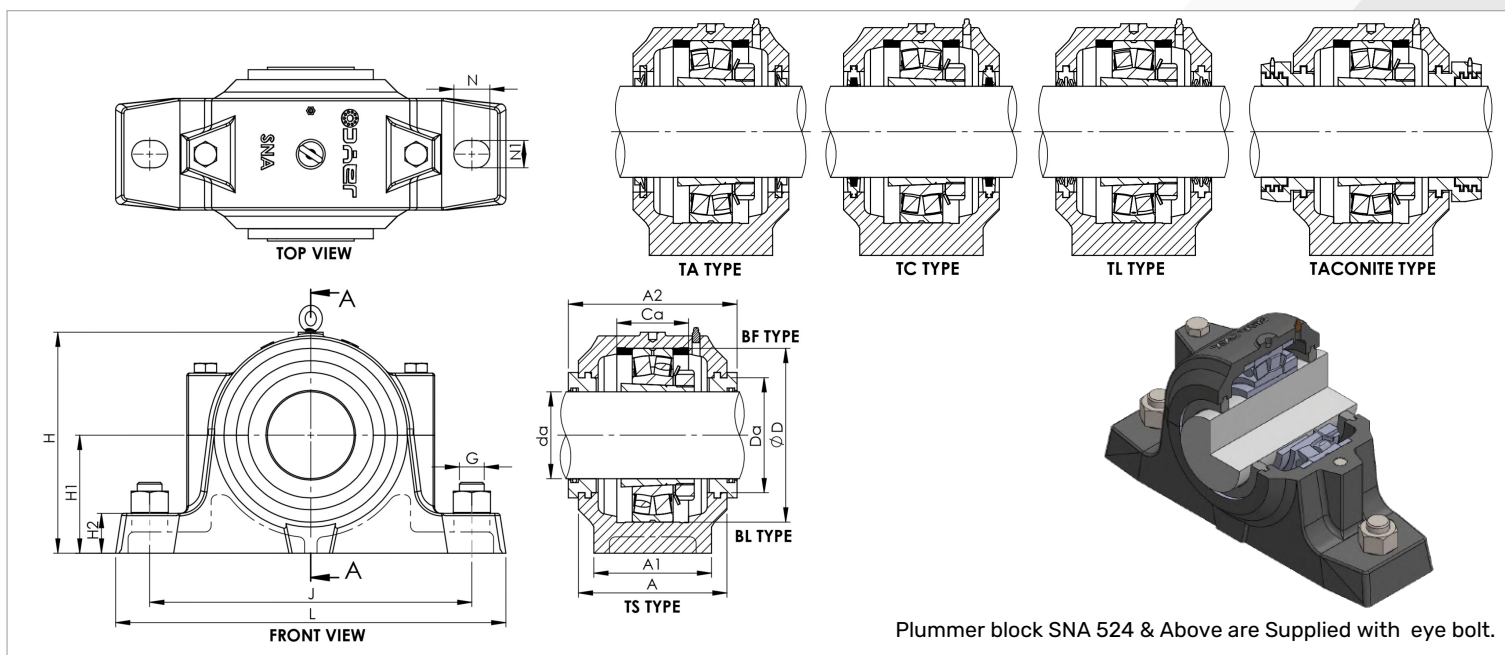
The housing cap and base are matched components and must always be assembled as one original set.



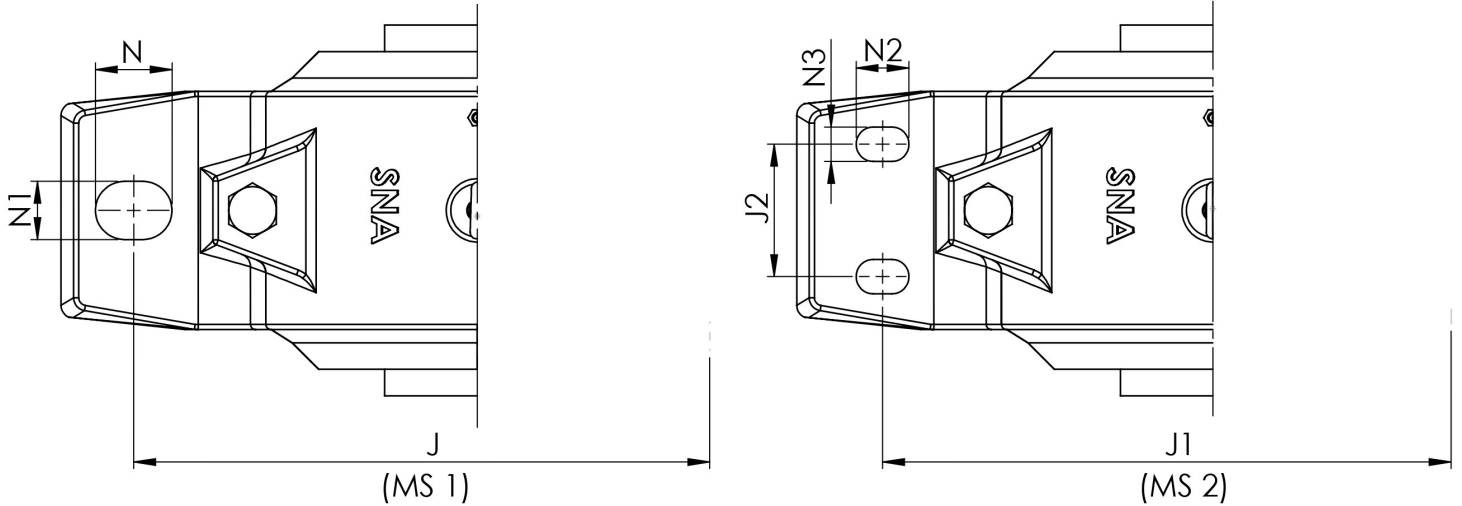


Plummer Block Designation	Shaft Diameter da	Dimensions are in mm														Suitable bearing	Adapter Sleeve	Locating ring Size per Housing	No.
		A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D				
SNA 505	20	67	46	80	31.5	71	40	19	130	165	25	20	13	10	52	1205 K	H 205	5/52	2
																2205 K	H 305	7/52	1
																22205 K	H 305	7/52	1
SNA 506	25	77	52	89	36.5	87	50	22	150	185	32	22	13	10	62	1206 K	H 206	8/62	2
																2206 K	H 306	6/62	2
																22206 CK	H 306	6/62	2
SNA 605	20	77	52	89	36.5	87	50	22	150	185	32	22	13	10	62	1305 K	H 305	7.5/62	2
																2305 K	H 2305	4/62	1
SNA 507	30	82	52	94	46.5	92	50	22	150	185	34	20	13	10	72	1207 K	H 207	8.5/72	2
																2207 K	H 307	5.5/72	2
SNA 606	25	82	52	94	46.5	92	50	22	150	185	34	20	13	10	72	22207 CK	H 307	5.5/72	2
																1306 K	H 306	7.5/72	2
																2306 K	H 2306	3.5/72	2
SNA 508	35	85	60	97	51.5	106	60	25	170	205	39	20	15	12	80	1208 K	H 208	10.5/80	2
																2208 K	H 308	8/80	2
SNA 607	30	85	60	97	51.5	106	60	25	170	205	39	20	15	12	80	22208 CK	H 308	8/80	2
																1307 K	H 307	9/80	2
																2307 K	H 2307	8/80	1
SNA 509	40	85	60	97	56.5	109	60	25	170	205	30	20	15	12	85	1209 K	H 209	5.5/85	2
																2209 K	H 309	7/85	1
																22209 CK	H 309	7/85	1
SNA 510	45	90	60	102	62	112	60	25	170	205	41	20	15	12	90	1210 K	H 210	10.5/90	2
																2210 K	H 310	9/90	2
																22210 CK	H 310	9/90	2
SNA 608	35	90	60	102	62	112	60	25	170	205	41	20	15	12	90	1308 K	H 308	9/90	2
																2308 K	H2308	8/90	1
																21308 K	H 308	9/90	2
																22308 CK	H 2308	8/90	1
SNA 511	50	95	70	107	67	127	70	28	210	255	44	23	18	16	100	1211 K	H 211	11.5/100	2
																2211 K	H 311	9.5/100	2
																22211 CK	H 311	9.5/100	2
SNA 609	40	95	70	107	67	127	70	28	210	255	44	23	18	16	100	1309 K	H 309	9.5/100	2
																2309 K	H 2309	8/100	1
																21309 K	H 309	9.5/100	2
																22309 CK	H 2309	8/100	1

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Plummer Block Designation	Shaft Diameter da	Dimensions are in mm														Suitable bearing	Adapter Sleeve	Locating ring Size per Housing	No.														
		A	A1	A2	Da	H	H1	H2	J	L	Ca	N	N1	G	D																		
SNA 519	85	145	100	163	131	209	112	35	290	345	68	27	22	20	170	1219 K	H 219	18/170	2														
																2219 K	H 319	12.5/170	2														
																22219 CK	H 319	12.5/170	2														
SNA 616	70															1316 K	H 316	14.5/170	2														
																2316 K	H 2316	10/170	1														
																21316 K	H 316	14.5/170	2														
SNA 520	90	160	110	178	137.5	215	112	40	320	380	70	32	26	24	180	1220 K	H 220	18/180	2														
																2220 K	H 320	12/180	2														
																22220 CK	H 320	12/180	2														
SNA 617	75															23220 CK	H 2320	9.7/180	1														
																1317 K	H 317	14.5/180	2														
																2317 K	H 2317	10/180	1														
SNA 522	100	175	120	191	147.5	239	125	45	350	410	80	32	26	24	200	21317 K	H 317	14.5/180	2														
																22317 K	H 2317	10/180	1														
																2222 K	H 322	13.5/200	2														
SNA 619	85															22222 CK	H 322	13.5/200	2														
																23222 CK	H 2322	10/200	1														
																22319 CK	H 2319	13/200	1														
SNA 524	110	185	120	199	157.5	271	140	45	350	410	86	32	26	24	215	22224 CK	H 3124	14/215	2														
																23224 CK	H 2324	10/215	1														
																22320 CK	H 2320	13/215	1														
SNA 620	90															22226 CK	H 3126	13/230	2														
																23226 CK	H 2326	10/230	1														
SNA 526	115															190	130	208	167.5	290	150	50	380	445	90	35	28	24	230	22228 CK	H 3128	15/250	2
		23228 CK	H 2328	10/250	1																												
SNA 528	125	22230 CK	H 3130	16.5/270	2																												
		23230 CK	H 2330	10/270	1																												
SNA 530	135	220	160	241	192.5	323	160	60	450	530	106	42	35	30	270															22232 CK	H 3132	17/290	2
																														23232 CK	H 2332	10/290	1
SNA 532	140															235	160	254	202.5	344	170	60	470	550	114	42	35	30	290				



HOUSINGS	MS - 1				MS - 2				
	Dimension for Two Hole Base			Suitable Bolt Size	Dimension for Four Hole Base				Suitable Bolt Size
	J	N	N1		J1	J2	N2	N3	
SSNAD 511-609	210	23	18	M 16	200	35	20	13	M 12
SSNAD 512-610	210	23	18	M 16	200	35	20	13	M 12
SSNAD 513-611	230	24	18	M 16	220	40	20	13	M 12
SSNAD 515-612	230	26	18	M 16	220	40	20	13	M 12
SSNAD 516-613	260	29	22	M 20	250	50	20	13	M 12
SSNAD 517-614	260	30	22	M 20	250	50	20	13	M 12
SSNAD 518-615	290	27	22	M 20	280	50	24	18	M 16
SSNAD 519-616	290	27	22	M 20	280	50	24	18	M 16
SSNAD 520-617	320	32	26	M 24	300	60	24	18	M 16
SSNAD 522-619	350	32	26	M 24	320	70	24	18	M 16
SSNAD 524-620	350	32	26	M 24	330	70	24	18	M 16
SSNAD 526	380	35	28	M 24	370	70	28	22	M 20
SSNAD 528	420	42	35	M 30	400	80	32	26	M 24
SSNAD 530	450	42	35	M 30	430	90	32	26	M 24
SSNAD 532	470	42	35	M 30	450	90	32	26	M 24

RECOMMENDED TIGHTENING TORQUE FOR CAP BOLTS & FOUNDATION BOLTS FOR SNA SERIES PLUMMER BLOCK.

SNA 500 - 600 SERIES	VALUES FOR CAP BOLTS		VALUES FOR FOUNDATION BOLTS		RECOMMENDED INITIAL GREASE FILLED QUANTITY	
	Bolt Size	Tightening Torque Nm	Bolt Size	Tightening Torque Nm	First Fill 40 % Gram	First fill 20 % Gram
SNA 505	M 10X40	50	M 12	80	25	15
SNA 506 - 605	M 10X 40	50	M 12	80	40	25
SNA 507 - 606	M 10X50	50	M 12	80	50	30
SNA 508 - 607	M 10X50	50	M 12	80	60	35
SNA 509	M 10X50	50	M 12	80	65	40
SNA 510 - 608	M 10X55	50	M 12	80	75	45
SNA 511 - 609	M 12X60	80	M 16	200	100	60
SNA 512 - 610	M 12X60	80	M 16	200	150	90
SNA 513 - 611	M 12X65	80	M 16	200	180	110
SNA 515 - 612	M 12X65	80	M 20	385	230	140
SNA 516 - 613	M 12X70	80	M 20	385	280	170
SNA 517 - 614	M 12X80	80	M 20	385	330	200
SNA 518 - 615	M 16X90	150	M 20	385	430	260
SNA 519 - 616	M 16X90	150	M 20	385	480	300
SNA 520 - 617	M 16X100	150	M 24	385	630	390
SNA 522 - 619	M 20X100	200	M 24	665	850	530
SNA 524 - 620	M 20X110	200	M 24	665	1000	630
SNA 526	M 24X130	350	M 24	665	1100	700
SNA 528	M 24X130	350	M 30	1310	1400	900
SNA 530	M 24X130	350	M 30	1310	1700	1100
SNA 532	M 24X130	350	M 30	1310	2000	1300