

SDJ Bearing Housing

PRODUCT OVERVIEW

The SDJ Series are extremely robust, heavy-duty plummer block housings engineered for applications involving high loads and severe operating conditions. Featuring a heavily ribbed lower housing section, the design can accommodate loads acting at right angles to the mounting surface, making it particularly suitable for steelworks, cement plants, crushers and other heavy industrial applications.

SDJ housings are designed primarily for spherical roller bearings of the 231 series mounted on adapter sleeves, although modifications can be made to accommodate alternative bearing arrangements. Available in locating and non-locating configurations, the range is designed for grease lubrication as standard and can also be adapted for oil lubrication where required. The result is a highly durable bearing housing solution capable of delivering reliable performance in demanding environments.

SEALS

Available sealing options include:

- Standard labyrinth seals
- Special sealing arrangements on request

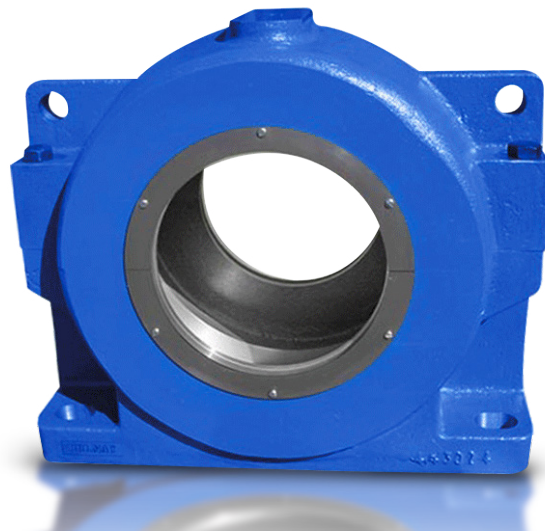
LIFTING & HANDLING

Instead of conventional lifting eyebolts, SDJ housings incorporate robust anchoring and handling holes located on each side of the housing to facilitate installation and positioning. Additional lifting eyebolts can also be incorporated where required, subject to the housing design and application requirements.

MATERIALS

SDJ bearing housings are available in:

- SDJ**S** - Cast steel
- SDJ**C** - Grey cast iron
- SDJ**D** - Spheroidal graphite iron, ductile iron



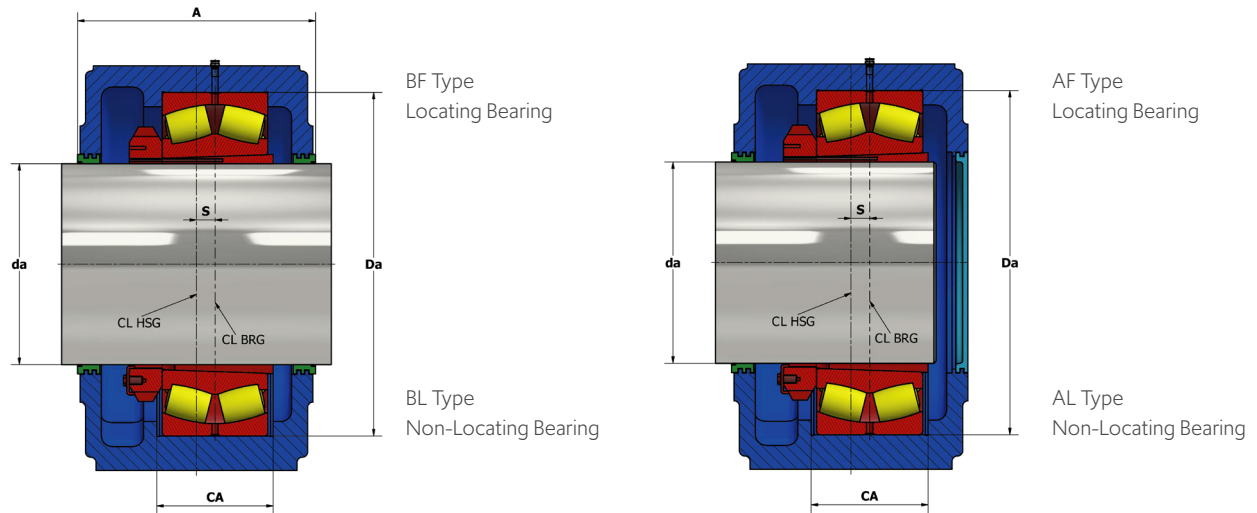
SUPPLEMENTARY DESIGNATIONS

DESIGNATION	DESCRIPTION
Standard	Bearing on adapter sleeve for plain cylindrical shaft
C	Bearing on adapter sleeve for stepped shaft
D	Bearing on withdrawal sleeve for stepped shaft
G	Bearing on stepped shaft with felt and labyrinth seals
H	Bearing on stepped shaft with felt seal, prepared for supplementary V-ring seal
A	Blank shaft housing (with end cover)
B	Through shaft housing
L	Non-locating (free) bearing arrangement
F	Locating (fixed) bearing arrangement
P	Cross-location arrangement
V	Housing supplied with grease escape hole
D	Housing for bearings with cylindrical bore (444 series only)
TS	Housing fitted with labyrinth seals
TAC	Housing fitted with taconite seals

HOUSING CONFIGURATIONS

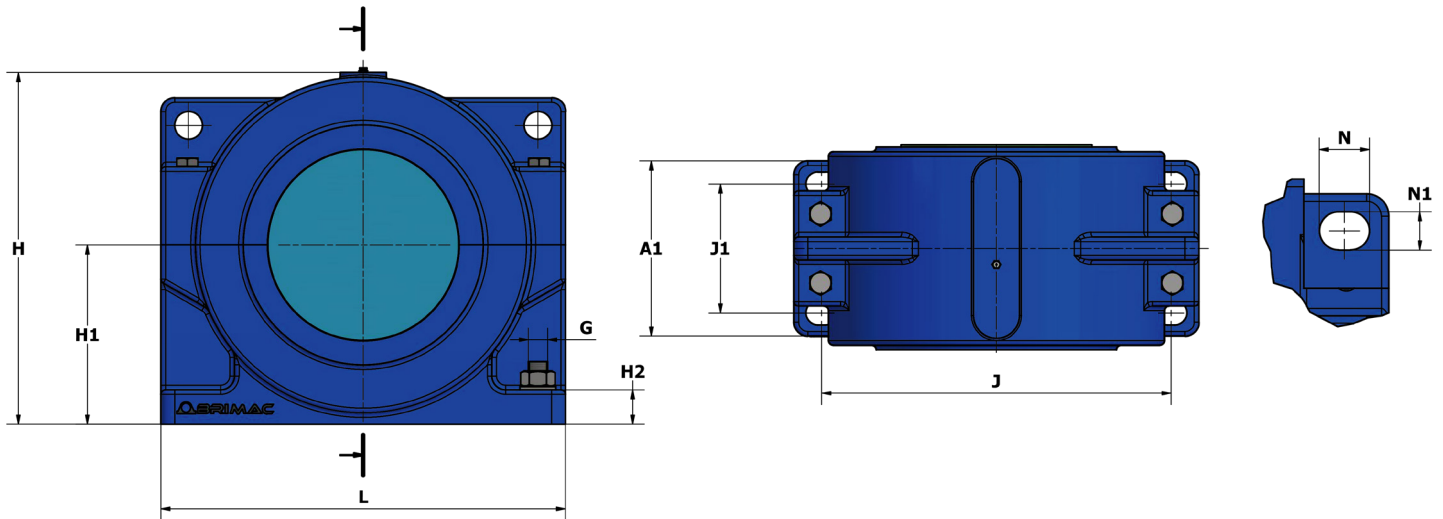
- **AL** Blank shaft (with end cover), non-locating bearing.
- **AF** Blank shaft (with end cover), locating bearing.
- **BL** Through shaft, non-locating bearing.
- **BF** Through shaft, locating bearing.

SDJ Plummer Block Housings for Special Spherical Roller Bearings with Adapter Sleeve



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

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