

444000 Series (014 & below)

PRODUCT OVERVIEW

The Bri-Mac 444000 Series is a proven heavy-duty bearing housing range developed for the iron and steel industry. Approved for use within the French steel industry, these split plummer block housings are designed to perform reliably in applications exposed to shock loading, vibration and harsh operating conditions.

The housing design incorporates a solid base to maximise strength and rigidity. Designed to accommodate spherical roller bearings mounted on adapter sleeves, the range is suitable for grease-lubricated applications and is supplied with rotary shaft seals and split seal retainer plates as standard. The result is a robust bearing housing solution that combines reliable performance with low maintenance requirements. Application-specific modifications are available on request.

SEALS

Available sealing options include:

- Rotary shaft seals with split seal retainer plates (standard)
- TS labyrinth seals for additional contamination protection

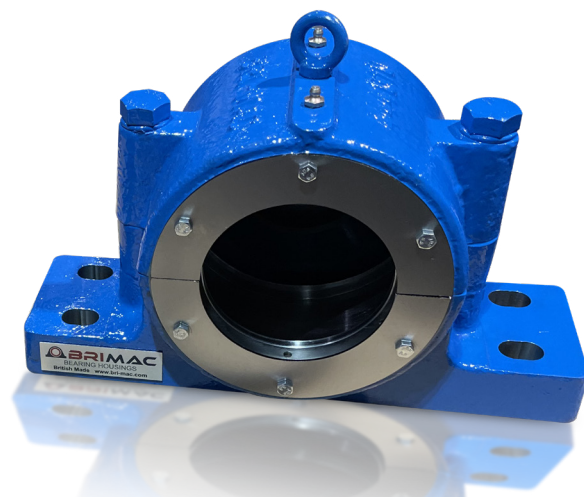
LIFTING & HANDLING

Larger housing sizes are supplied with lifting eyebolts to support safe handling, transportation, installation and maintenance.

MATERIALS

444000 Series housings are available in:

- Flame-cut steel
- Cast steel
- Low-temperature cast steel
- Grey cast iron
- Spheroidal graphite iron (ductile iron)



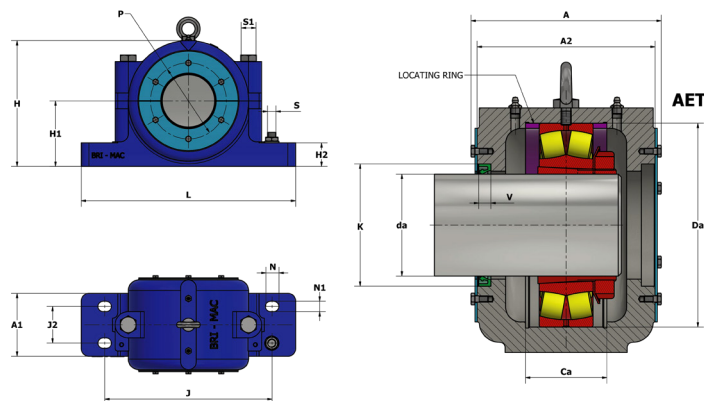
SUPPLEMENTARY DESIGNATIONS

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

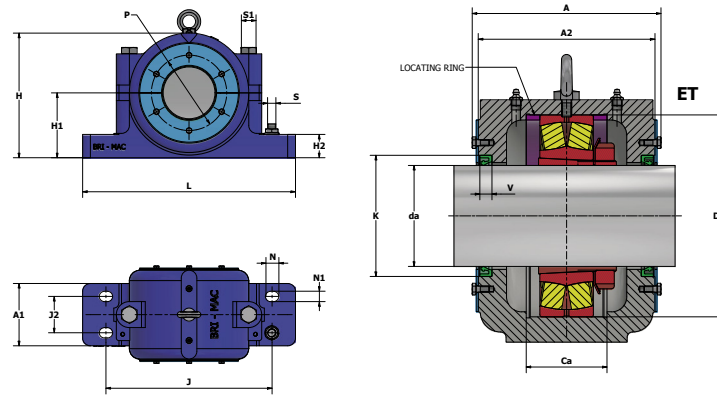
- **AL** Blank shaft (with end cover), non-locating bearing.
- **AF** Blank shaft (with end cover), locating bearing.
- **BL** Through shaft, non-locating bearing.
- **BF** Through shaft, locating bearing.

444000 Series (014 & below) - Blank



Bri-Mac Part No	Shaft Dia (da)	Dimensions (mm)																Bolt Size	S1	Bearing No	Adapter Sleeve	Locating Ring	
		Da	H	H1	H2	L	J	J2	A	A1	A2	Ca	N	N1	V	K	P					Number	Quantity
444000	30	72	95	50	22	185	150	-	101	52	88	33	20	13	8	48	58	M12	M10	22207 CCK/W33	H 307	10/72	1
444001	35	80	110	60	25	205	170	-	104	60	91	33	20	15	10	52	62	M12	M10	22208 CCK/W33	H 308	10/80	1
444002	40	85	110	60	25	205	170	-	104	60	91	31	20	15	10	58	68	M12	M10	22209 CCK/W33	H 309	8/85	1
444003	45	90	115	60	25	205	170	-	109	60	96	33	20	15	12	62	72	M12	M10	22210 CCK/W33	H 310	10/90	1
444004	50	100	130	70	28	255	210	-	115	70	99	33	23	18	12	72	84	M16	M12	22211 CCK/W33	H 311	8/100	1
444005	55	110	135	70	30	255	210	-	125	70	109	38	23	18	12	75	87	M16	M12	22212 CCK/W33	H 312	10/110	1
444006	60	120	150	80	30	275	230	-	130	80	114	43	23	18	12	80	92	M16	M12	22213 CCK/W33	H 313	12/120	1
444007	65	130	155	80	30	280	230	-	135	80	119	41	26	18	12	85	97	M16	M12	22215 CCK/W33	H 315	10/130	1
444008	70	140	175	95	32	315	260	-	140	90	124	43	29	22	12	90	102	M20	M16	22216 CCK/W33	H 316	10/140	1
444009	80	160	195	100	35	345	280	50	165	100	149	62.4	26	18	13	100	112	M16	M16	22218 CCK/W33	H 318	11.2/160	2
																				23218 CCK/W33	H 2318	10/160	1
444010	90	180	215	112	40	380	300	60	176	110	160	70.3	26	18	13	110	122	M16	M20	22220 CCK/W33	H 320	12/180	2
																				23220 CCK/W33	H 2320	10/180	1
444011	100	200	240	125	45	410	320	70	191	120	175	80	26	18	13	120	132	M16	M20	22222 CCK/W33	H 322	13.5/200	2
																				23220 CCK/W33	H 2322	10.2/200	1
444012	110	215	270	140	45	410	330	70	201	120	185	86	26	18	13	130	142	M16	M20	22224 CCK/W33	H 3124	14/215	2
																				23224 CCK/W33	H 2324	10/215	1
444013	125	250	305	150	50	500	400	80	227	150	205	98	32	26	15	160	180	M24	M24	22228 CCK/W33	H 3128	15/250	2
																				23228 CCK/W33	H 2328	10/250	1
444014	140	290	345	170	60	550	450	90	257	160	235	114	32	26	15	170	190	M24	M24	22232 CCK/W33	H 3132	17/290	2
																				23232 CCK/W33	H 2332	10/290	1

444000 Series (014 & below) - Through



Bri-Mac Part No	Shaft Dia (da)	Dimensions (mm)																Bolt Size	S1	Bearing No	Adapter Sleeve	Locating Ring	
		Da	H	H1	H2	L	J	J2	A	A1	A2	Ca	N	N1	V	K	P					Number	Quantity
444000	30	72	95	50	22	185	150	-	101	52	88	33	20	13	8	48	58	M12	M10	22207 CCK/W33	H 307	10/72	1
444001	35	80	110	60	25	205	170	-	104	60	91	33	20	15	10	52	62	M12	M10	22208 CCK/W33	H 308	10/80	1
444002	40	85	110	60	25	205	170	-	104	60	91	31	20	15	10	58	68	M12	M10	22209 CCK/W33	H 309	8/85	1
444003	45	90	115	60	25	205	170	-	109	60	96	33	20	15	12	62	72	M12	M10	22210 CCK/W33	H 310	10/90	1
444004	50	100	130	70	28	255	210	-	115	70	99	33	23	18	12	72	84	M16	M12	22211 CCK/W33	H 311	8/100	1
444005	55	110	135	70	30	255	210	-	125	70	109	38	23	18	12	75	87	M16	M12	22212 CCK/W33	H 312	10/110	1
444006	60	120	150	80	30	275	230	-	130	80	114	43	23	18	12	80	92	M16	M12	22213 CCK/W33	H 313	12/120	1
444007	65	130	155	80	30	280	230	-	135	80	119	41	26	18	12	85	97	M16	M12	22215 CCK/W33	H 315	10/130	1
444008	70	140	175	95	32	315	260	-	140	90	124	43	29	22	12	90	102	M20	M16	22216 CCK/W33	H 316	10/140	1
444009	80	160	195	100	35	345	280	50	165	100	149	62.4	26	18	13	100	112	M16	M16	22218 CCK/W33	H 318	11.2/160	2
																				23218 CCK/W33	H 2318	10/160	1
444010	90	180	215	112	40	380	300	60	176	110	160	70.3	26	18	13	110	122	M16	M20	22220 CCK/W33	H 320	12/180	2
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444011	100	200	240	125	45	410	320	70	191	120	175	80	26	18	13	120	132	M16	M20	22222 CCK/W33	H 322	13.5/200	2
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444012	110	215	270	140	45	410	330	70	201	120	185	86	26	18	13	130	142	M16	M20	22224 CCK/W33	H 3124	14/215	2
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444013	125	250	305	150	50	500	400	80	227	150	205	98	32	26	15	160	180	M24	M24	22228 CCK/W33	H 3128	15/250	2
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