THD Take-Up Bearing Housings

PRODUCT OVERVIEW

THD Take-Up Bearing Housings are traditionally used on conveyor belt tensioning systems. The housing design incorporates machined side channels that allow smooth movement within guide rails, while the extended fork arm provides a robust attachment point for tensioning mechanisms.

The range can be supplied to suit virtually any bearing size and is available in locating or non-locating arrangements, with through-shaft or blank-shaft configurations. Supplied with heavy-duty sealing arrangements and provisions for grease lubrication, THD housings are well suited to harsh industrial environments. Additional features such as temperature monitoring and vibration sensing points can also be incorporated where required.

SEALING ARRANGEMENTS

THD housings are supplied with standard labyrinth seals and sealing collars. Alternative sealing arrangements, including specialist solutions for abrasive or contaminated environments, are available upon request.

LIFTING & HANDLING

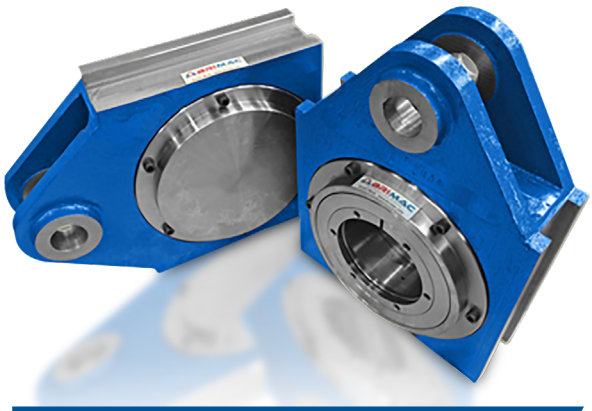
A robust handling and anchoring hole is incorporated into the housing design to assist with installation and positioning.

MATERIALS

The THD range is available in:

- THD – Grey cast iron
- THD**S** – Cast steel
- THD**D** – Spheroidal graphite (ductile) iron

Flame-cut steel variants and bespoke configurations can also be considered for specific applications..



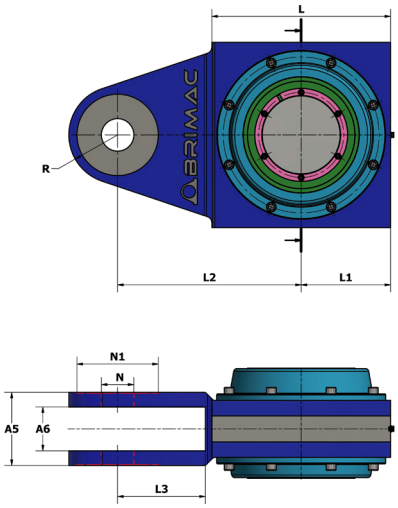
SUPPLEMENTARY DESIGNATIONS

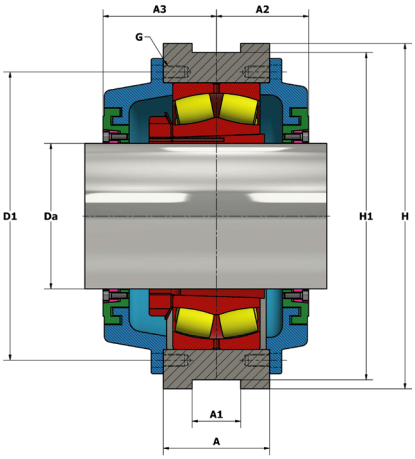
DESIGNATION	DESCRIPTION
Standard	Bearing on adapter sleeve for plain cylindrical shaft
C	Bearing on adapter sleeve for stepped shaft
D	Bearing on withdrawal sleeve for stepped shaft
G	Bearing on stepped shaft with felt and labyrinth seals
H	Bearing on stepped shaft with felt seal, prepared for supplementary 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

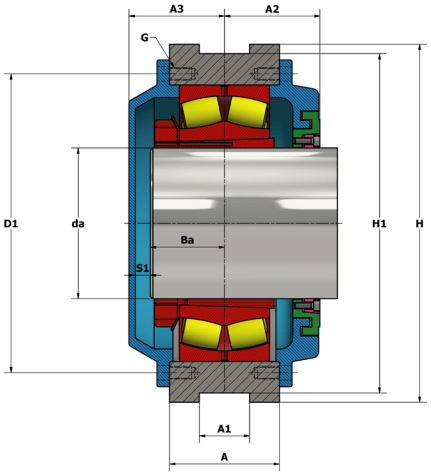
HOUSING CONFIGURATIONS

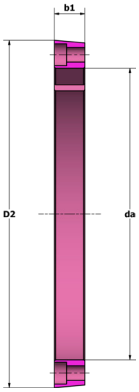
- **AL** Blank shaft (with end cover), non-locating bearing.
- **AF** Blank shaft (with end cover), locating bearing.
- **BL** Through shaft, non-locating bearing.
- **BF** Through shaft, locating bearing.

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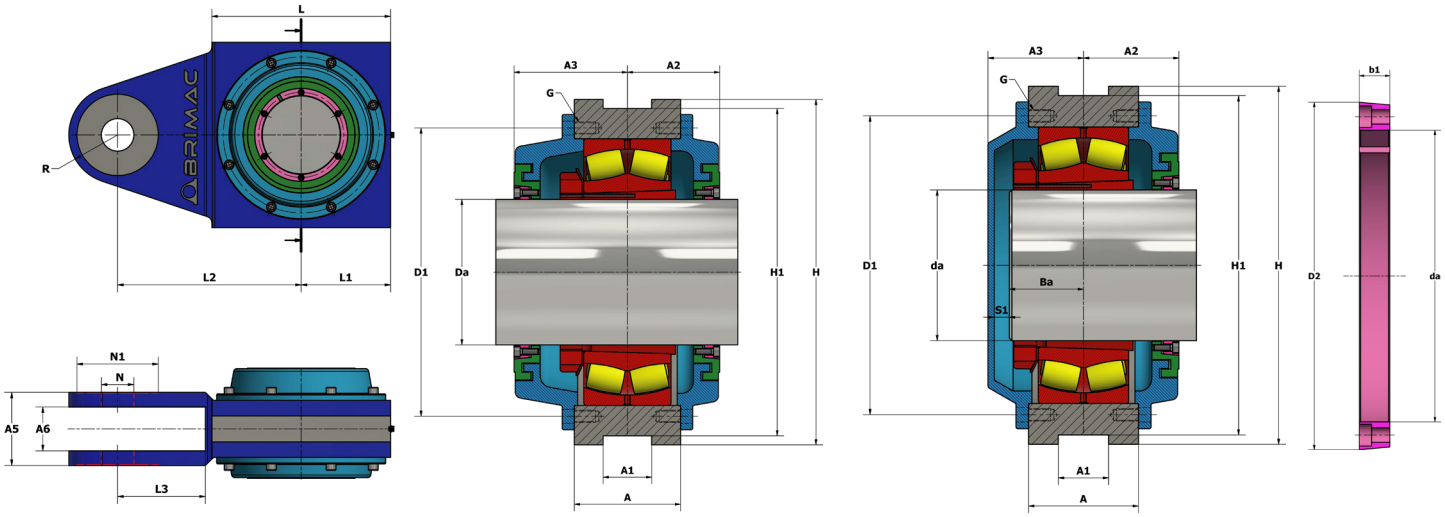






Bri-Mac Part No	Shaft Dia	Dimensions (mm)																					Bearing No.	Adapter Sleeve
	da	A	A1	A2	A3	A4	A5	A6	Ba	D1	H	H1	L	L1	L2	L3	N	N1	R	s1	G	D2	b1		
THD 2211	50	60	34	49	-	38	42	22	27	115	150	135	150	75	105	30	20	40	30	5	M8	68	15	22211 EK	H 311
THD 2212	55	66	43	50	-	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M8	73	15	22212 EK	H 312
THD 2213	60	78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M8	82	15	22213 CCK	H 313
THD 2216	70	78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M8	98	18	22216 EK	H 316
THD 2218	80	78	53	67	-	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M8	108	18	22218 EK	H 318
THD 2220	90	69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M8	118	18	22220 EK	H 320
THD 2222	100	60	34	49	-	38	42	22	27	115	150	135	150	75	105	30	20	40	30	5	M8	68	15	22211 EK	H 311
THD 3222		66	43	50	-	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M8	73	15	22212 EK	H 312
THD 2224	60	78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M8	82	15	22213 CCK	H 313
THD 3224		78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M8	98	18	22216 EK	H 316
THD 3226	115	78	53	67	-	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M8	108	18	22218 EK	H 318
THD 2228	125	69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M8	118	18	22220 EK	H 320
THD 3228		60	34	49	-	38	42	22	27	115	150	135	150	75	105	30	20	40	30	5	M8	68	15	22211 EK	H 311
THD 3030	135	66	43	50	-	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M8	73	15	22212 EK	H 312
THD 3230		78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M8	82	15	22213 CCK	H 313
THD 3132	140	78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M8	98	18	22216 EK	H 316
THD 3232		78	53	67	-	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M8	108	18	22218 EK	H 318

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Bri-Mac Part No	Shaft Dia	Dimensions (mm)																					Bearing No.	Adapter Sleeve
	da	A	A1	A2	A3	A4	A5	A6	Ba	D1	H	H1	L	L1	L2	L3	N	N1	R	s1	G	D2	b1		
THD 3034	150	69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M8	118	18	22220 EK	H 320
THD 3134		78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M8	82	15	22213 CCK	H 313
THD 3236	160	66	43	50	-	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M8	73	15	22212 EK	H 312
THD 3038	170	78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M8	82	15	22213 CCK	H 313
THD 3040	180	78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M8	98	18	22216 EK	H 316
THD 3140		78	53	67	-	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M8	108	18	22218 EK	H 318
THD 3240		69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M8	118	18	22220 EK	H 320
THD 3044	200	120	65	107	142	107	200	70	80	370	480	440	430	210	325	100	60	100	80	17	M16	246	25	23044 CCK/W33	OH 3044 H
THD 3144		150	103	135	160	135	144	74	100	420	510	480	470	235	530	260	100	175	120	25	M16	246	25	23144 CCK/W33	OH 3144 H
THD 3244		175	103	148	183	133	240	173	112	445	540	500	520	260	575	245	100	175	150	11	M20	246	25	23244 CCK/W33	OH 2344 H
THD 3148	220	152	65	148	178	138	215	123	106	455	540	500	520	260	515	250	100	250	150	22	M20	266	25	23148 CCK/W33	OH 3148 H
THD 3248		190	103	148	188	148	240	173	122	490	580	540	560	280	600	250	100	175	150	16	M20	266	25	23248 CCK/W33	OH 2348 H
THD 3152	240	175	80	152	187	152	225	135	118	490	570	540	550	275	656	270	100	250	150	24	M20	286	25	23152 CCK/W33	OH 3152 H
THD 3252		205	103	167	208	158	240	173	132	540	610	570	590	305	615	220	100	200	150	16	M20	286	25	23252 CACK/W33	OH 2352 H
THD 3256	260	210	123	178	218	163	240	173	135	555	650	610	630	315	630	220	100	175	150	16	M24	306	25	23256 CACK/W33	OH 2356 H
THD 3160	280	195	103	165	210	170	240	173	125	550	650	610	625	312	630	250	100	240	150	35	M24	326	25	23160 CCK/W33	OH 3160 H
THD 3260		230	123	182	222	187	240	173	142	600	670	630	670	335	650	220	100	175	150	33	M24	326	25	23260 CACK/W33	OH 3260 H