



# BEARING HOUSING & ACCESSORIES



# J & J Engineering & Journey

25 years ago it was a revolutionary era in bearings industry & that was the time when a revolutionary company J&J Engineering rooted his feet in bearing industry with the motto of giving quality products to the end users. Being the rich experience with great exposure to the outer world & new techniques too.

J&J Engineering has played a pioneering role in the growth of bearing housings in India. It has established itself as the market and brand leader in the bearing housings industry in India. The results of the vast experience, industry knowledge & efforts in the area of research and development led to a growing number of quality products that have created new standards and new products in the bearing world. They stand for quality and engineering excellence. Their operations in Ahmedabad plant are also in accordance with other internationally accepted processes.

The company has a very strong network in dealer around the country & has built a diverse product portfolio to meet the needs of different consumer segments, ranging from standard series in cast iron to advanced high performance custom designed products in customer specific material requirements.

## Customized Product

J&J Engineering being a leading manufacturer & supplier of products it also deal with customized design according to client needs so it would be the only halt for end to end solution. The solutions and services in the area comprising Plummer blocks (bearing housings), bearing accessories & housing sealing solutions. Services include technical support & maintenance services.

## Field Expertise

Bulk Material Handling

Sugar Plants

Steel Plants

Textile Machineries

Industrial fans

Heavy Eng. Industries

Cement factories & many more...

## Tailor Made Housing

Water cooling jackets-Its quality container filled with water that surrounds a machine to cool it; especially that surrounding the cylinder block of an engine.

Oil mist lubrication-Its Oil mist lubrication systems are becoming increasingly popular in a variety of applications where only limited oil feed supply is required; include bearings of electric motors, pumps and compressors in many oil refineries and petrochemical plants.

RTD probe provision-Probes and probe accessories are carefully designed and manufactured according to strict tolerances and specifications. The J&J E Engineering RTD probe design team uses modern tools to develop, model and engineer tailor-made probe solutions.

## Vision

Become the gigantic engineering product manufacture company.

## Mission

To provide the latest & quality products in bearing industry.

## For our customers

Delivering industry-leading, high value products, services and knowledge-engineered solutions within shortest possible periods at best prices possible.

## Quality Policy

Quality is what J&J stands for and the key to their global competitiveness. With the most advanced manufacturing facilities equipped with state-of-the-art automated machines, we guarantee to provide our customers with unparalleled quality product.

## Future at J&J Engineering

Seek to provide the most high quality products in the bearing housings industry. Products designs are made for customers benefit. From the most basic features to the most sophisticated designs, the products are designed to give customers substantial value.

J&J Engineering is recognized as the new benchmark for modern bearing housings technology, superior quality and personalized service that has ensured our product and nationwide acclaim in the industry.



## Basic Information for THD Series

THD housings are non-plits bearing housings for use with spherical roller bearings on adapter sleeves and plain or stepped cylindrical shafts. They are available for shaft diameters from 50 to 300 mm, and depending on requirements, can be supplied for locating bearing arrangements (F design) or non-locating bearing arrangements (L design).

### Materials

As standards, the housings are manufactured in cast steel (THDS). If required, housings, can be made from grey cast iron (THDC) or spheroidal graphite cast iron (THDD).

### Basic Designation

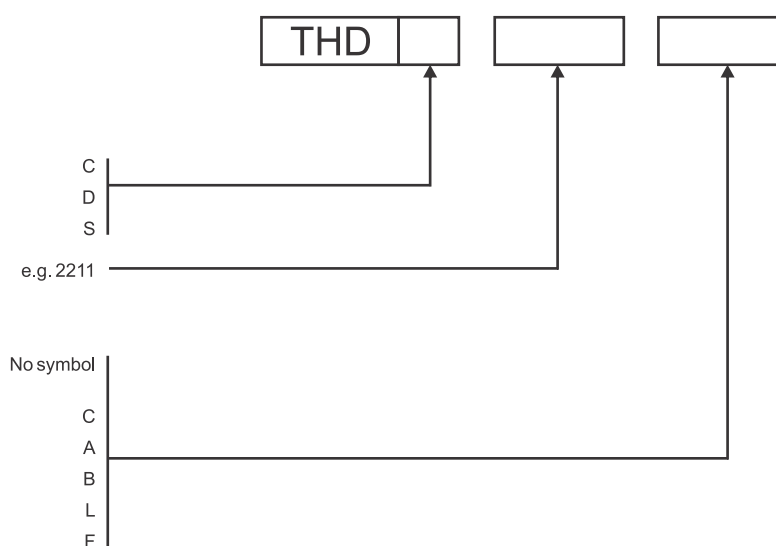
Basic design :

Material	Housing of
	- grey cast iron
	- spheroidal graphite cast iron
	- cast steel

Size designation :

### Supplementary designation

- Housing for bearing with adapter sleeve for plain cylindrical shaft
- Housing for bearing with adapter sleeve for stepped cylindrical shaft
- Housing for shaft end, with end cover
- Housing for through shaft
- Housings for non-locating bearing
- Housing for locating bearing

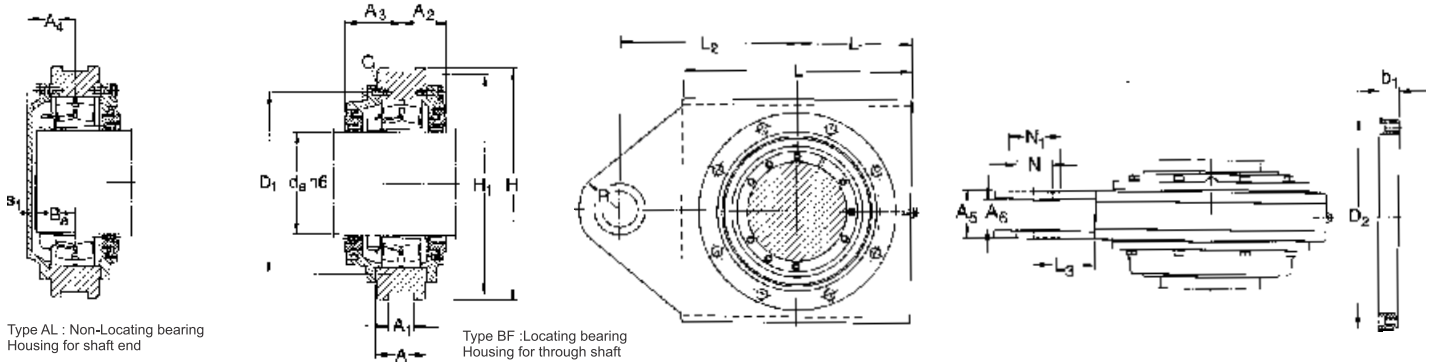


For combination the symbols are written in the same order as presented above.

## THD-Series

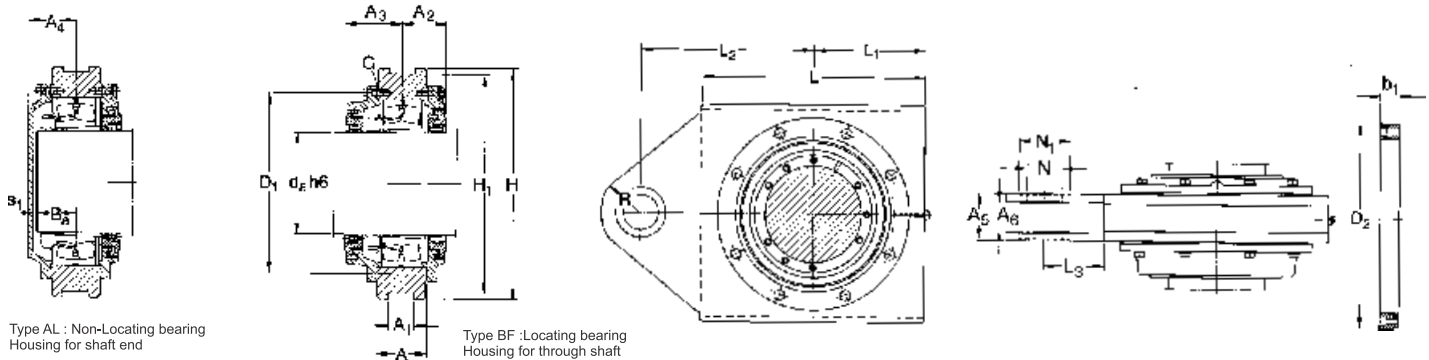


THD take-up housings for spherical Roller bearings with adapter sleeve on plain cylindrical shafts da 200-530 mm



Shaft diameter da	Housing Dimensions (mm)																				Designation <sup>1)</sup> Housing of cast steel	Appropriate bearing	Adaptor sleeve	Adaptor ring Designation	Dimension initial fill	
	A	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	B <sub>a</sub>	D <sub>1</sub>	H	H <sub>1</sub>	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	N	N <sub>1</sub>	R	S <sub>1</sub>	G					D <sub>2</sub>	B <sub>1</sub>
50	60	34	49	-	38	42	22	27	115	150	135	150	75	105	30	20	40	30	5	M 8	THDS 2211	22211 EK	H 311	PSBD 50	68	15
55	66	43	50	-	41	50	26	30	125	165	150	165	82.5	120	37.5	25	50	35	5	M 8	THDS 2212	22212 EK	H 312	PSBD 55	73	15
60	78	53	50	-	53	66	30	35	135	180	155	160	80	145	65	30	60	40	11	M 8	THDS 2213	22213 CCK	H 313	PSBD 60	82	15
70	78	53	62	70	49	66	30	36	155	200	175	180	90	155	65	30	60	40	6	M 8	THDS 2216	22216 EK	H 316	PSBD 70	98	18
80	78	53	67	-	63	66	30	40	180	230	200	210	105	170	65	30	60	40	16	M 8	THDS 2218	22218 EK	H 318	PSBD 80	108	18
90	69	40	76	92	70	70	36	45	195	250	220	235	117.5	185	67.5	35	70	40	18	M 8	THDS 2220	22220 EK	H 320	PSBD 90	118	18
100	78	53	85	97	75	76	40	50	215	270	240	255	125	200	70	40	75	45	18	M 8	THDS 2222	22222 EK	H 322	PSBD100	128	18
	90	53	91	103	76	100	44	60	230	300	270	270	135	195	60	50	95	60	9	M12	THDS 3222	23222 CCK/W33	H2322	PSBD100	128	18
110	78	53	84	99	72	76	40	55	230	290	260	275	135	210	70	40	75	45	10	M 8	THDS 2224	22224 EK	H3124	PSBD110	138	18
	95	53	93	108	78	100	44	64	245	310	280	290	145	205	60	50	95	60	7	M12	THDS 3224	23224 CCK/W33	H2324	PSBD110	138	18
115	100	63	103	108	79	112	52	66	260	335	305	300	155	220	75	60	110	70	5	M12	THDS 3226	23226 CCK/W33	H2326	PSBD115	143	18
125	83	53	80	102	90	74	40	62	275	330	300	315	155	230	70	40	70	45	20	M12	THDS 2228	22228 CCK/W33	H3128	PSBD125	153	18
	110	63	108	118	88	112	52	72	290	360	330	330	170	235	75	60	90	70	8	M16	THDS 3228	23228 CCK/W33	H2328	PSBD125	153	18
135	85	45	77.5	98.5	74.5	150	60	56	245	320	290	280	140	235	90	50	95	70	10	M10	THDS 3030	23030 CCK/W33	H3030	PSBD135	170	20
	120	73	113	123	93	126	62	78	305	385	355	360	180	260	80	70	120	80	7	M16	THDS 3230	23230 CCK/W33	H2330	PSBD 135	170	20
140	116	74	101	126	101	132	62	75	310	370	340	370	185	350	160	61	110	90	18	M 12	THDS 3132	23132 CCK/W33	H3132	PSBD 140	175	20
	130	83	118	133	98	126	62	84	330	400	370	380	190	270	80	70	120	80	6	M16	THDS 3232	23232 CCK/W33	H2332	PSBD 140	175	20
150	102	63	88	113	93	112	52	66	280	360	330	325	165	255	90	45	100	70	20	M10	THDS 3034	23034 CCK/W33	H 3034	PSBD 150	185	20
	120	63	113	136	100	122	62	78	330	380	350	375	190	395	160	60	160	80	17	M12	THDS 3134	23134 CCK/W33	H 3134	PSBD 150	185	20
160	140	93	133	148	108	140	72	90	360	450	410	420	210	300	90	80	140	90	10	M16	THDS 3236	23236 CCK/W33	H 2336	PSBD 160	195	20
170	112	73	101	126	96	165	90	72	315	390	360	380	195	350	130	45	120	70	16	M 12	THDS 3038	23038 CCK/W33	H 3038	PSBD 170	205	20

THD take-up housings for spherical Roller bearings with adapter sleeve on plain cylindrical shafts da 200-530 mm



Shaft dia- meter da	Housing Dimensions (mm)																				Designation1) Housing of cast steel	Appropriate bearing	Adaptor sleeve	Adaptor ring Designation	Dimension initial fill	
	A	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	B <sub>a</sub>	D <sub>1</sub>	H	H <sub>1</sub>	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	N	N <sub>1</sub>	R	S <sub>1</sub>	G					D <sub>2</sub>	B <sub>1)</sub>
180	125	83	107	133	108	125	62	78	340	430	400	390	200	275	85	70	120	80	22	M 12	THDS 3040	23040 CCK/W33	H 3040	PSBD 180	215	20
	138	90	115	148.5	120	128	62	95	380	440	420	440	220	300	80	60	110	80	15	M 16	THDS 3140	23140 CCK/W33	H 3140	PSBD 180	215	20
	165	103	138	158	118	140	72	100	405	500	460	470	235	325	90	80	140	90	10	M 16	THDS 3240	23240 CCK/W33	H 2340	PSBD 180	215	20
200	120	65	107	142	107	200	70	80	370	480	440	430	210	325	100	60	100	80	17	M 16	THDS 3044	23044 CCK/W33	OH3044H	PSBD 200	246	25
	150	103	135	160	135	144	74	100	420	510	480	470	235	530	260	100	175	120	25	M 16	THDS 3144	23144 CCK/W33	OH3144H	PSBD 200	246	25
	175	103	148	183	133	240	173	112	445	540	500	520	260	575	245	100	175	150	11	M 20	THDS 3244	23244 CCK/W33	OH2344H	PSBD 200	246	25
220	152	65	148	178	138	215	123	106	455	540	500	520	260	515	250	100	250	150	22	M 20	THDS 3148	23148 CCK/W33	OH3148H	PSBD 220	266	25
	190	103	148	188	148	240	173	122	490	580	540	560	280	600	250	100	175	150	16	M 20	THDS 3248	23248 CCK/W33	OH2348H	PSBD 220	266	25
240	175	80	152	187	152	225	135	118	490	570	540	550	275	565	270	100	250	150	24	M 20	THDS 3152	23152 CCK/W33	OH3152H	PSBD 240	286	25
	205	103	167	208	158	240	173	132	540	610	570	590	305	615	220	100	200	150	16	M 20	THDS 3252	23252 CACK/W33	OH2352H	PSBD 240	286	25
260	210	123	178	218	163	240	173	135	555	650	610	630	315	630	220	100	175	150	16	M 24	THDS 3256	23256 CACK/W33	OH2356H	PSBD 260	306	25
280	195	103	165	210	170	240	173	125	550	650	610	625	312	630	250	100	240	150	35	M24	THDS 3160	23160 CCK/W33	OH3160H	PSBD 280	326	25
	230	123	182	222	187	240	173	142	600	670	630	670	335	650	220	100	175	150	33	M 24	THDS 3260	23260 CACK/W33	OH3260H	PSBD 280	326	25
300	210	123	177	212	187	240	170	135	590	670	630	665	340	650	230	100	175	150	40	M 24	THDS 3164	23164 CCK/W33	OH3164H	PSBD 300	350	30
	250	123	192	237	187	300	213	152	640	710	670	710	355	725	275	110	185	200	21	M 24	THDS 3264	23264 CACK/W33	OH3264H	PSBD 300	350	30
320	220	150	197	242	237	300	180	155	630	740	700	740	370	720	310	120	240	200	70	M 24	THDS 3168	23168 CCK/W33	OH3168H	PSBD 320	370	30
	265	123	202	272	237	300	213	175	680	750	700	750	375	750	285	110	185	200	47	M 24	THDS 3268	23268 CAK/W33	OH3268H	PSBD 320	370	30
340	275	123	227	282	247	300	213	180	710	790	740	790	395	765	275	110	185	200	51	M 24	THDS 3272	23272 CAK/W33	OH3272H	PSBD 340	390	30
360	230	120	202	257	254	300	200	185	680	790	740	750	375	750	320	110	230	200	73	M 30	THDS 3176	23176 CAK/W33	OH3176H	PSBD 360	410	30
	295	123	232	297	257	300	213	186	745	820	780	810	420	780	310	110	230	200	55	M 30	THDS 3276	23276 CAK/W33	OH3276H	PSBD 360	410	30
380	300	123	242	307	257	300	213	196	790	870	820	870	435	800	270	110	185	200	45	M 30	THDS 3280	23280 CAK/W33	OH3280H	PSBD 380	430	30
400	315	123	252	317	267	300	213	212	835	925	860	925	463	825	262	110	185	200	39	M 30	THDS 3284	23284 CAK/W33	OH3284H	PSBD 400	450	30
530	420	143	250	370	-	208	128	-	1000	1140	1080	1140	570	770	200	125	200	160	-	M 30	THDS41/560	241/560 ECK30/W33	3364 95A	PSBD 530	610	40