



# COMBINED BILL OF MATERIAL

Printed On:15.07.2014

Printed By:

**CBOM No:** 00032404000 **CBOM Var:** 00 **Revno:** 0 **Rev Date:** 09.10.2013  
**Description:** RADIAL THRUST BEARING Ø330 **Total weight:** 1541.3

CBOM - 00032404000 00

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stepdk	29.08.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxakm	09.10.2013	wtxhan	05.10.2013
Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxssso	09.10.2013	wtxskt	09.10.2013
Approved By	stedkr	09.10.2013	emtak	20.09.2013	mteasr	01.10.2013	ttxkks	09.10.2013	wtxvkd	09.10.2013



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**Description:** RADIAL THRUST BEARING Ø330

**Revno:** 0

**Rev Date:** 09.10.2013

**Total weight:** 1541.3

Item No	Drawingno Var Mvar	Mat Code	Mat Spec	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
0	00032404000 00			1541.3						
1(1)	RADIAL THRUST BEARING Ø330			Y						
MF DR			Y		0236					
1	00032404001 00 00	HW9232404010	HW19591	570.0	0.0	1	1	1.0	0.0	1.0
1(1)	HOUSING FOR BRG. IN TWO HALVES			Y						
CE DR					0073-0236					NO
2	00032404002 00 00	AA1011808099	AA10108	3.1	560.0X560.0	1	1	31.0	0.0	31.0
1(1)	ADJUSTING RING			Y	PL 12					
MF DR					0072-0301-0236					KG
3	00032404003 00 00	HW9332404011	AA19950	3.1	0.0	1	1	1.0	0.0	1.0
1(1)	SEALING RING			Y						
CE DR					0073-0236					NO
4	00032404004 00 00	HW9332404020	AA19950	2.5	0.0	1	1	1.0	0.0	1.0
1(1)	SEALING RING			Y						
CE DR					0073-0236					NO
5	00031404032 00 00	AA1010209183	AA10109	0.36	75.0	1	1	1.155	0.0	1.155
1(1)	PIN			Y	RND 50					
MF DR					0072-0236					KG
6	00031404033 00 00	HW9731404015		0.6	0.0	1	1	1.0	0.0	1.0
1(1)	COMPRESSION SPRING			Y						
BO DR					0074-0236					NO
7	00031404031 00 00	AA1010209205	AA10109	0.68	55.0	1	1	1.345	0.0	1.345
1(1)	ADJUSTING NUT			Y	RND 63					
MF DR					0072-0236					KG
8	00032404005 00 00	AA1011819180	AA10119	8.4	20.0X3000.0	1	2	17.8	0.0	35.6
2(2)	ADJUSTING RING			Y	PL 36					
MF DR					0072-0301-0236					KG
9	00032404006 00 00	AA1020218193	AA10218	0.9	105.0	1	1	2.03	0.0	2.03
1(1)	STOPPER			Y	RND 56					
MF DR					0072-0236					KG

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stepdk	29.08.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxakm	09.10.2013	wtxhan	05.10.2013
Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxsso	09.10.2013	wtxskt	09.10.2013
Approved By	stedkr	09.10.2013	emtak	20.09.2013	mteasr	01.10.2013	ttxkks	09.10.2013	wtxvkd	09.10.2013



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Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
10		AA7122101223	AA7122101	0.011	0.0	0	0	0.0	0.0	0.0
13(13)	SCRU SLT CSK A-4.8			Y						
SI DR	M8X16				0075-0236					NO
11		AA7122101185	AA7122101	0.0070	0.0	0	0	0.0	0.0	0.0
8(8)	SCRU SLT CSK A-4.8			Y						
SI DR	M6X25				0075-0236					NO
12	00031404016 00 00	AA1020208147	AA10208	0.36	120.0	0	0	0.757	0.0	1.514
2(2)	LOCATING PIN 25X100			Y	RND 32					
MF DR					0072-0236					KG
13	00032425008 00 00	AA1011819171	AA10119	4.74	140.0X200.0	1	1	7.9	0.0	7.9
1(1)	ADJUSTING PAD WITH HOLE			Y	PL 32					
MF DR					0072-0301-0236					KG
14	00032404007 00 00	AA1010209264	AA10109	0.189	15.0	1	1	0.924	0.0	0.924
1(1)	ORIFICE PLATE Ø46			Y	RND 100					
MF DR					0072-0236					KG
15	00032425002 00 00	HW1071740946	AA10740	0.016	130.0X190.0	1	3	0.019	0.0	0.057
3(3)	SHIM S=0.1MM			Y	SH 0.1					
MF DR					0072-0370-0236					KG
16	00032425003 00 00	HW1071740954	AA10740	0.024	130.0X190.0	1	3	0.029	0.0	0.087
3(3)	SHIM S=0.15MM			Y	SH 0.15					
MF DR					0072-0370-0236					KG
17	00032425004 00 00	HW1071740962	AA10740	0.033	130.0X190.0	1	3	0.038	0.0	0.114
3(3)	SHIM S=0.2MM			Y	SH 0.2					
MF DR					0072-0370-0236					KG
18	00032425005 00 00	HW1071796046		0.049	130.0X190.0	1	3	0.057	0.0	0.171
3(3)	SHIM S=0.3MM			Y	SH 0.30					
MF DR					0072-0370-0236					KG
19	00032425006 00 00	AA1071740032	AA10740	0.082	130.0X190.0	1	3	0.097	0.0	0.291
3(3)	SHIM S=0.5MM			Y	SH 0.5					
MF DR					0072-0370-0236					KG

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
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Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxsso	09.10.2013	wtxskt	09.10.2013
Approved By	stedkr	09.10.2013	emtak	20.09.2013	mteasr	01.10.2013	ttxkks	09.10.2013	wtxvkd	09.10.2013



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Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
20	00032425007 00 00	AA1071740075	AA10740	0.164	130.0X190.0	1	4	0.193	0.0	0.772
4(4)	SHIM S=1.0MM			Y	SH 1.0					
MF DR					0072-0370-0236					KG
21	00032425009 00 00	AA1011819171	AA10119	5.5	140.0X200.0	1	3	7.9	0.0	23.7
3(3)	ADJUSTING PAD			Y	PL 32					
MF DR					0072-0301-0236					KG
22		AA7121123118	AA7121123	0.013	0.0	0	0	0.0	0.0	0.0
38(38)	SCRU HEX A- 8.8			Y						
SI DR	M8X20				0075-0236					NO
23		HW7169096021	HW7169096	0.0020	0.0	0	0	0.0	0.0	0.0
38(38)	WASHER TAB A-ST			Y						
SI DR	8.4				0075-0236					NO
24	00032425011 00 00	AA1010209132	AA10109	0.109	70.0	1	8	0.338	0.0	2.704
8(8)	BOLT M16x35			Y	RND 28					
MF DR					0072-0236					KG
25		HW7122101908	AA7122101	0.047	0.0	0	0	0.0	0.0	0.0
8(8)	SCRU SLT CSK A-4.8		CUT TO LENGTH 45MM	Y						
SI DR	M10X60				0075-0236					NO
26		AA7121122022	AA7121122	0.162	0.0	0	0	0.0	0.0	0.0
2(2)	SCRU HEX A-4.8			Y						
SI DR	M20X40				0075-0236					NO
27		AA7171001288	AA7171001	0.0	0.0	0	0	0.0	0.0	0.0
2(2)	PIN CYL RND END-ST			Y						
SI DR	8X25				0075-0236					NO
28	00031404024 00 00	AA1010209183	AA10109	0.336	65.0	1	4	1.001	0.0	4.004
4(4)	CAP NUT M30			Y	RND 50					
MF DR					0072-0236					KG
29		HW7141102671	AA7141102	0.605	0.0	0	0	0.0	0.0	0.0
4(4)	STUD AA-6.8			Y						
SI DR	M30X110				0075-0236					NO

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stepdk	29.08.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxakm	09.10.2013	wtxhan	05.10.2013
Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxsso	09.10.2013	wtxskt	09.10.2013
Approved By	stedkr	09.10.2013	emtak	20.09.2013	mteasr	01.10.2013	ttxkks	09.10.2013	wtxvkd	09.10.2013



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Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
30	00032425014 00 00	AA1070221244	AA10721	0.625	28.0	1	1	1.1	0.0	1.1
1(1)	STOP WASHER			Y	RND 80					
MF DR					0072-0236					KG
31	00032404008 00 00	AA1011808099	AA10108	1.5	130.0X240.0	1	2	3.0	0.0	6.0
2(2)	COVER			Y	PL 12					
MF DR					0072-0301-0236					KG
32	00032404009 00 00	AA1010209183	AA10109	0.805	185.0	0	0	2.849	0.0	11.396
4(4)	SPECIAL BOLT			Y	RND 50					
MF DR					0072-0236					KG
33	48.8945 024	AA1020208171	AA10208	0.361	75.0	1	6	0.935	0.0	5.61
6(6)	CAP NUT			Y	RND 45					
MF DR	CAP NUT M24				0072-0236					KG
34		AA7171001024	AA7171001	0.0030	0.0	0	0	0.0	0.0	0.0
8(8)	PIN CYL RND END-ST			Y						
SI DR	6X14				0075-0236					NO
35		HW7125104959	AA7125104	0.034	0.0	0	0	0.0	0.0	0.0
6(6)	SCRU GRB SLT CP-4.8			Y						
SI DR	M16X30				0075-0236					NO
36	00032404011 00 00	AA1010209183	AA10109	0.78	190.0	1	2	1.0	0.0	2.0
2(2)	SPECIAL BOLT M24X150			Y	RND 50					
MF DR					0072-0236					KG
37		AA7122101282	AA7122101	0.029	0.0	0	0	0.0	0.0	0.0
8(8)	SCRU SLT CSK A-4.8		CUT TO LENGTH 25MM	Y						
SI DR	M10X30				0075-0236					NO
38	00031404028 00 00	AA1011808137	AA10108	0.07	40.0X55.0	1	8	0.33	0.0	2.64
8(8)	STOPPER			Y	PL 20					
MF DR					0072-0301-0236					KG
39		AA7122101118	AA7122101	0.0030	0.0	0	0	0.0	0.0	0.0
1(1)	SCRU SLT CSK A-4.8			Y						
SI DR	M5X16				0075-0236					NO

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
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Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxsso	09.10.2013	wtxskt	09.10.2013
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Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
40		AA7122101231	AA7122101	0.013	0.0	0	0	0.0	0.0	0.0
6(6)	SCRU SLT CSK A-4.8			Y						
SI DR	M8X20				0075-0236					NO
41		HW7322699068	0563.001	0.3	0.0	1	1	1.0	0.0	1.0
1(1)				Y	CRT-03,L=1600					
SI DR	COP RESIST THRMTR				0075-0236					NO
42	00032404020 00 00			64.98						
1(1)	THRUST RING WITH WORKING PADS			Y						
MF DR			N		0291-0236					
42-1	00032404021 00 00			3.45						
1(1)	WORKING PAD			Y						
MF DR			N		0236-0291					
42-1-1	00032404025 00 00	HW9332404038	AA19936	38.0	0.0	1	1	1.0	0.0	1.0
1(1)	BLANK FOR 11 WORKING PADS			Y						R/M Casting drg 32404025/M
CE DR					0073-0236-0227-0236					NO
42-1-2		HW1285097009	HW12897	3.0	0.0	0	0	20.0	0.0	20.0
1(1)			babbling with item 1-1	Y						
MF DR	SPL-TIN-BASED-ALY-ANT.FRICTION				0072-0227					KG
42-2	00032404022 00 00	AA1011819210	AA10119	24.38	565.0X565.0	1	1	132.0	0.0	132.0
1(1)	THRUST WORKING RING			Y	PL 50					OD 565 and ID 355
MF DR					0072-0301-0236-0291					KG
42-3	00032404023 00 00	AA1070221090	AA10721	0.025	50.0	1	20	0.1	0.0	2.0
20(20)	SPECIAL SCREW			Y	RND 18					
MF DR					0072-0236-0291					KG
42-4	00032404024 00 00	AA1011715074	AA10115	0.034	250.0X310.0	6	1	0.11	0.0	0.66
6(6)	PROTECTION RING SEGMENT			Y	SH 1.00					5mm M/C allow.all over contour
MF DR					0072-0301-0291-0236					KG
42-16		HW7322699068	0563.001	0.03	0.0	0	0	0.0	0.0	0.0
12(12)				Y	CRT-03,L=1600					
SI DR	COP RESIST THRMTR				0075-0236					NO

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
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Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxssso	09.10.2013	wtxskt	09.10.2013
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Qty( Total )	Description				Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ	Cat	Zone	Var/Matl.	Description	ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
43	00032404030	00	00			771.0						
1(1)	HOUSING OF BEARING Ø330					Y						
MF	DR				N		0236-0306-0313-0236-0227-0236					
43-1	00032404031	00	00	AA1011819198	AA10119	22.0	90.0X590.0	1	1	35.0	0.0	35.0
1(1)	RING IN TWO HALVES					Y	PL 40			BLANK FOR EACH HALF;OD=408		
MF	DR						0072-0301-0317-0306					KG
43-2				HW1285097009	HW12897	14.0	0.0	0	0	70.0	0.0	70.0
1(1)	SPL-TIN-BASED-ALY-ANT.FRICTION					Y						
MF	DR						0072-0227					KG
43-3				HW9232404028	AA19511	728.0	0.0	1	1	1.0	0.0	1.0
1(1)	CAST FOR HSG OF BEARIG D=330					Y				R/M Casting drg 32404030/M		
CE	DR						0073-0236					NO
44	00032404040	00	00			60.3						
1(1)	THRUST RING WITH SURGE PADS					Y						
MF	DR				N		0291-0236					
44-1	00032404041	00	00			3.0						
1(1)	SURGE PAD					Y						
MF	DR				N		0236-0291					
44-1-1	00032404045	00	00	HW9332404046	AA19936	32.0	0.0	1	1	1.0	0.0	1.0
1(1)	BLANK FOR 11 SURGE PADS					Y				R/M Casting drg 32404045/M		
CE	DR						0073-0236-0227-0236					NO
44-1-2				HW1285097009	HW12897	3.0	0.0	1	1	15.0	0.0	15.0
1(1)	SPL-TIN-BASED-ALY-ANT.FRICTION				BABBITING WITH ITEM 1-1	Y						
MF	DR						0072-0227					KG
44-2	00032404042	00	00	AA1011819201	AA10119	24.88	565.0X565.0	1	1	119.0	0.0	119.0
1(1)	THRUST RING FOR SURGE PADS					Y	PL 45			OD 565 and ID 355		
MF	DR						0072-0301-0236-0291					KG
44-3	00032404023	00	00	AA1070221090	AA10721	0.025	50.0	1	20	0.1	0.0	2.0
20(20)	SPECIAL SCREW					Y	RND 18					
MF	DR						0072-0236-0291					KG

	ENGG		JTE		MTE		TTX		WTX	
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Qty( Total )	Description		Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ Cat Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route			Spare Code		Unit
44-4	00032404024 00 00	AA1011715074	AA10115	0.034	250.0X310.0	6	1	0.11	0.0	0.66
6(6)	PROTECTION RING SEGMENT			Y	SH 1.00			5mm M/C allow.all over contour		
MF DR					0072-0301-0291-0236					KG
45	00032404050 00 00			4.81						
1(1)	OIL GUARD RING			Y						
MF DR			N		0236					
45-1	00032404051 00 00	AA1011808013	AA10108	4.672	430.0X475.0	1	1	8.5	0.0	8.5
1(1)	OIL GUARD RING (TWO HALVES)			Y	PL 5			5mm allow. all over each half		
MF DR					0072-0301-0236					KG
45-2		AA1211701034	AA12101	0.023	200.0X1000.0	10	1	0.03	0.0	0.18
6(6)	SEAL. STRIP R162 0614.941			Y	SH 1.6					
MF DR	BRASS-LUZN37(A)-SHEET				0072-0291-0236					KG
46	00031404050 00 00			2.37						
1(1)	CUP			Y						
MF DR			N		0306-0236					
46-1		AA1010209248	AA10109	0.378	0.0	0	0	0.0	0.0	0.0
1(1)				Y	RND 80					
MF DR	ST-C20-HR-RND		80.0X120.0		0072-0236-0306					KG
46-2		AA1011808137	AA10108	0.27	45.0X76.0	1	2	0.6	0.0	1.2
2(2)	FLAT 20X45X76			Y	PL 20					
MF DR	ST-A(FE410 WA)PLATE				0072-0301-0306					KG

CB

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stepdk	29.08.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxakm	09.10.2013	wtxhan	05.10.2013
Checked By	stepdk	30.09.2013	emtnk	20.09.2013	mtepa	01.10.2013	ttxsso	09.10.2013	wtxskt	09.10.2013
Approved By	stedkr	09.10.2013	emtak	20.09.2013	mteasr	01.10.2013	ttxkks	09.10.2013	wtxvkd	09.10.2013