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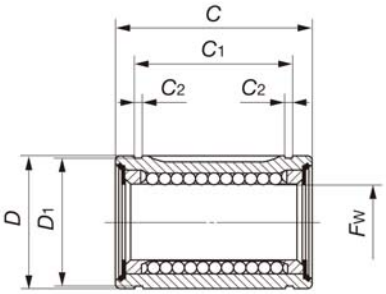
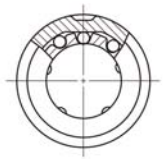
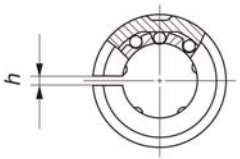
LB Series

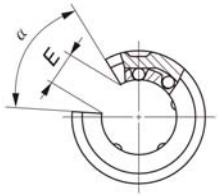




LB



LB-AJ



LB-OP

Shaft Dia. (mm)	Standard		Adjustable		Open Type		Main Dim.(mm)													α	Ecc. (μm)		Rated Load (N)		mass(g)
	Type	Ball rows	Type	Ball rows	Type	Ball rows	Dim. of Inscribing			Outside Dim.		C	Tol. (μm)	C1	Tol. (μm)	C2	D_1	h	E				dyn.	stat.	
							Fw	Tol. (μm)		D	Tol. (μm)														
6	LB6	4	-	-	-	-	6	0 -6	0 -9	12	0 -10	19	0 -200	13.5	0 -200	1.1	11.5	-	-	-	8	12	108	186	7
8	LB8S	4	-	-	-	-	8			15		17		11.5		1.1	14.3	-	-	-			98	157	10
8	LB8	4	-	-	-	-	8			15		24		17.5		1.1	14.3	-	-	-			118	225	14
10	LB10	4	-	-	-	-	10			19		29		22		1.3	18	-	-	-			255	422	25
12	LB12	4	LB12AJ	4	LB12OP	3	12			21	0 -12	30		23		1.3	20	1.5	7.5	80°			265	490	38
13	LB13	4	LB13AJ	4	LB13OP	3	13			23		32		23		1.3	22	1.5	9	80°			294	510	45
16	LB16	4	LB16AJ	4	LB16OP	3	16			28		37		26.5		1.6	27	1.5	11	80°			480	765	69
20	LB20	5	LB20AJ	5	LB20OP	4	20	0 -7	0 -10	32	0 -14	42	0 -300	30.5	0 -300	1.6	30.5	1.5	11	60°	10	15	588	1029	100
25	LB25	6	LB25AJ	6	LB25OP	5	25			40		59		41		1.85	38	2	13	50°			1029	1814	200
30	LB30	6	LB30AJ	6	LB30OP	5	30			45		64		44.5		1.85	43	2.5	15	50°			1373	2500	265
35	LB35	6	LB35AJ	6	LB35OP	5	35	0 -8	0 -12	52	0 -17	70		49.5		2.1	49	2.5	17	50°			1569	3088	350
38	LB38	6	LB38AJ	6	LB38OP	5	38			57		76		58.5		2.1	54.5	3	18	50°			2010	3578	495
40	LB40	6	LB40AJ	6	LB40OP	5	40			60		80		60.5		2.1	57	3	20	50°			2304	4412	770
50	LB50	6	LB50AJ	6	LB50OP	5	50			80		100		74		2.6	76.5	3	25	50°			4412	7157	1430
60	LB60	6	LB60AJ	6	LB60OP	5	60	0 -9	0 -15	90	0 -20	110	0 -400	85	0 -400	3.15	86.5	3	30	50°	12	20	4804	8137	1800
80	LB80	6	LB80AJ	6	LB80OP	5	80			120		140		106		4.15	116	3	40	50°			8186	12843	4600
100	LB100	6	LB100AJ	6	LB100OP	5	100	0 -10	0 -20	150	0 -25	175		126		4.15	145	3	50	50°			12353	19706	9000

Note: tol.=tolerance, prec.=precision, dia.=diameter, deg.=degree, ecc. =eccentricity, dim.=dimension, dyn.=dynamic, stat.=static

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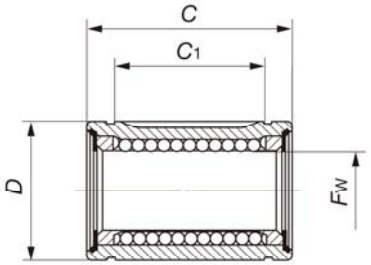
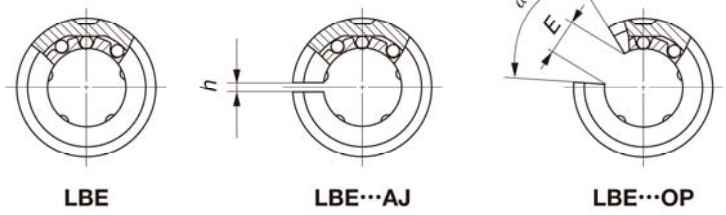
LBE Series





LBE　　LBE···AJ　　LBE···OP

Shaft Dia. (mm)	Standard		Adjustable		Open Type		Main Dimension(mm)											α	Ecc. (μm)		Rated Load (N)		mass(g)
	Type	Ball rows	Type	Ball rows	Type	Ball rows	Dim. of Inscribing		Outside Dim.		C	Tol. (μm)	C1	Tol. (μm)	C2	D_1	h	E				Dyn.	Stat.	
							Fw	Tol. (μm)	D	Tol. (μm)														
5	LBE5	3	-	-	-	-	5	+8 0	12	0 -8	22	0 -200	14.5	0 -200	1.1	11.5	-	-	-	12	12	22	11	5
8	LBE8	4	-	-	-	-	8		16		25		16.5		1.1	15.2	-	-	-		14	26	20	8
12	LBE12	4	LBE12AJ	4	LBE12OP	3	12		22	0 -9	32		22.9		1.3	21	1.5	7.5	780		30	51	45	12
16	LBE16	4	LBE16AJ	4	LBE16OP	3	16	+9 -1	26		36		24.9		1.3	24.9	1.5	10	780		49	78	69	16
20	LBE20	5	LBE20AJ	5	LBE20OP	4	20		32	0 -11	45		31.5		1.6	30.3	2	10	600	15	66	115	100	20
25	LBE25	4	LBE25AJ	6	LBE25OP	5	25	+11 -1	40		58	0 -300	44.1	0 -300	1.85	37.5	2	12.5	500		105	185	200	25
30	LBE30	4	LBE30AJ	6	LBE30OP	5	30		47		68		52.1		1.85	44.5	2	12.5	500		150	280	260	30
40	LBE40	5	LBE40AJ	6	LBE40OP	5	40	+13 2	62	0 -13	80		60.6		2.15	59	3	16.8	500	17	235	450	800	40
50	LBE50	6	LBE50AJ	6	LBE50OP	5	50		75		100		77.6		2.65	72	3	21	500		380	650	1400	50
60	LBE60	6	LBE60AJ	6	LBE60OP	5	60		90	0 -15	125	0 -400	102	0 -400	3.15	86.5	3	27.2	500	20	635	1200	2000	60
80	LBE80	6	LBE80AJ	6	LBE80OP	5	80	+6 -4	120		165		102		4.15	116	3	36.3	500		1040	1800	5000	80

Note: tol.=tolerance, prec.=precision, dia.=diameter, deg.=degree, ecc. =eccentricity, dim.=dimension, dyn.=dynamic, stat.=static

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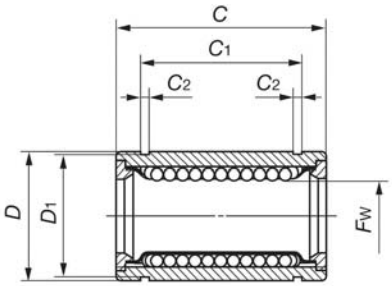
LM-L Series



LM-L

Type	Ball rows	Main Dim.(mm)									C2	Ecc. (μm)(max)	Basic Load Rating (N)	
		Inscribed circle Dia.		Outter Dia.		Length		Outer Locking Groove					Dyn.	Stat.
		Fw	Tol.(μm)	D	Tol.(μm)	C	Tol.(μm)	C1	Tol.(μm)	D1				
LM6L	4	6	0 -0.010	12	0 -0.013	35	0 -0.30	27	0 -0.30	11.5	1.1	0.015	324	529
LM8L	4	8		15		45		35		14.3	1.1		431	784
LM10L	4	10		19	0 -0.016	55		44		18	1.3		588	1098
LM12L	4	12		21		57		46		20	1.3		814	1569
LM13L	4	13		23		61		46		22	1.3		814	1569
LM16L	5	16		28		70		53		27	1.6		1235	2353
LM20L	5	20	0 -0.012	32	0 -0.019	80		61		30.5	1.6	0.02	1402	2745
LM25L	6	25		40		112	0 -0.40	82	0 -0.40	38	1.85		1559	3137
LM30L	6	30		45		123		89		43	1.85		2490	5490
LM35L	6	35	0 -0.015	52	0 -0.022	135		99		49	2.1	0.025	2647	6275
LM40L	6	40		60		151		121		57	2.1		3431	8039
LM50L	6	50		80		192		148		76.5	2.6		6078	15902
LM60L	6	60	0 -0.020	90	0 -0.025	209		170		86.5	3.15		7549	20000

Note: tol.=tolerance, prec.=precision, dia.=diameter, deg.=degree, ecc. =eccentricity, dim.=dimension, dyn.=dynamic, stat.=static

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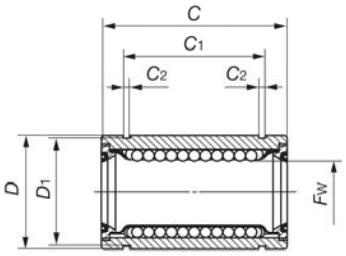
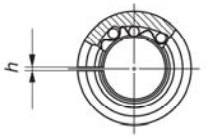
Linear Bushing

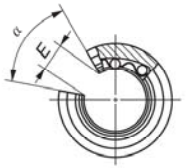
LM-UU Series




LM···UU



LM···UU AJ



LM···UU OP

Shaft Dia. (mm)	Standard Type		Adjustable Type		Open Type		Mian Dimension(mm)														Eccentricity (μm)		Rated Load (kgf)		Mass (g)
	type	ball rows	type	ball rows	type	ball rows	Inscribed bore dia.			Outside Dimension		Full-Length Dimension		C1	Tol. (μm)	C2	D_1	h	E	α (deg.)	Prec.	high	Dyn.	Stat.	
							Fw	Tol. (μm) prec.	Tol. (μm) high	D	Tol. (μm)	C	Tol. (μm)												
6	LM6UU	3	-	-	-	-	6	0 -6	0 -9	12	0 -10	19	0 -200	13.5	0 -200	1.1	11.5	-	-	-	8	2	108	186	7
8	LM8UU	4	-	-	-	-	8			15		17		11.5		1.1	14.3	-	-	-			98	157	10
8	LM8UU	4	-	-	-	-	8			15		24		17.5		1.1	14.3	-	-	-			118	225	14
10	LM10UU	4	-	-	-	-	10			19		29		22.0		1.3	18.0	-	-	-			255	422	25
12	LM12UU	5	LM12UUAJ	5	LM12UUOP	4	12			21	0 -12	30		23.0		1.3	20.0	1.5	7.5	800			265	490	38
13	LM13UU	6	LM13UUAJ	6	LM13UUOP	4	13			23		32		23.0		1.3	22.0	1.5	9	800			294	510	45
16	LM16UU	6	LM16UUAJ	6	LM16UUOP	4	16			28		37		26.5		1.6	27.0	1.5	11	800			480	765	69
20	LM20UU	6	LM20UUAJ	6	LM20UUOP	5	20	0 -7	0 -10	32	0 -14	42	0 -300	30.5	0 -300	1.6	30.5	1.5	11	600	10	15	588	1029	100
25	LM25UU	6	LM25UUAJ	6	LM25UUOP	6	25			40		59		41.0		1.85	38.0	2	13	500			1029	1814	200
30	LM30UU	6	LM30UUAJ	6	LM30UUOP	6	30			45		64		44.5		1.85	43.0	2.5	15	500			1373	2500	265
35	LM35UU	6	LM35UUAJ	6	LM35UUOP	6	35	0 -8	0 -12	52	0 -17	70		49.5		2.1	49.0	3	17	500			1569	3088	350
38	LM38UU	6	LM38UUAJ	6	LM38UUOP	6	38			57		76		58.5		2.1	54.5	3	18	500			2010	3578	495
40	LM40UU	6	LM40UUAJ	6	LM40UUOP	6	40			60		80		60.5		2.1	57.0	3	20	500			2304	4412	770
50	LM50UU	6	LM50UUAJ	6	LM50UUOP	6	50			80		100		74.0		2.6	76.5	3	25	500			4412	7157	1430
60	LM60UU	6	LM60UUAJ	6	LM60UUOP	6	60	0 -9	0 -15	90	0 -20	110	0 -400	85.0	0 -400	3.15	86.5	3	30	500	12	20	4804	8137	1800
80	LM80UU	6	LM80UUAJ	6	LM80UUOP	6	80			120		140		105.5		4.15	116.0	3	40	500			8186	12843	4600
100	LM100UU	6	LM100UUAJ	6	LM100UUOP	6	100	0 -10	0 -20	150	0 -25	175		125.5		4.15	145.0	3	50	500			12353	19706	9000

Note: tol.=tolerance, prec.=precision, dia.=diameter, deg.=degree, ecc. =eccentricity, dim.=dimension, dyn.=dynamic, stat.=static

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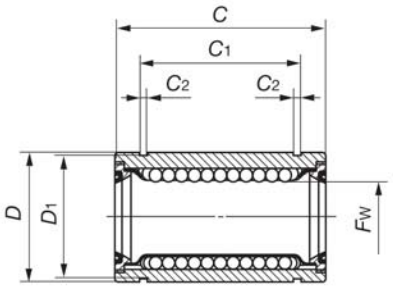
LMB-L-UU Series



LMB-L-UU

Type	Ball rows	Major Dim. and tol. (Inch/mm)										Ecc. (Max.) (Inch/μm)	Basic Load Rating (N)	
		Inscribed circle Diameter		Outter Diameter		Length		Outer Locking Groove			C2		Dyn.	Stat.
		Fw	Tol.(Inch/μm)	D	Tol.(Inch/μm)	C	Tol.(Inch/μm)	C1	Tol.(Inch/μm)	D1				
LMB4LUU	3	0.25 6.35	0 -0.0004 0 -10	0.5 12.7	0 -0.0005 0 -13	1.375 34.925	0 -0.012 0 -300	1.022 25.959	0 -0.012 0 -300	0.4687 11.906	0.039 0.992	0.0006 15 0.0008 20	323	530
LMB6LUU	4	0.375 9.525		0.625 15.785	0 -0.00065 0 -16	1.5938 40.481		1.2716 32.298		0.588 14.935	0.039 0.992		353	630
LMB8LUU	4	0.5 12.7		0.875 22.225		2.375 60.325		1.925 48.895		0.8209 20.853	0.0459 1.168		813	1570
LMB10LUU	4	0.625 15.875		1.125 28.575		2.8125 71.438		2.2079 56.08		1.059 26.899	0.0559 1.422		1230	2350
LMB12LUU	5	0.75 19.05	0 -0.0005 0 -12	1.25 31.75	0 0.00075 0 -19	3.0937 78.581		2.3314 59.218		1.176 29.87	0.0599 1.422		1370	2740
LMB16LUU	6	1 25.4		1.5625 39.688		4.2813 108.744		3.5094 89.139		1.4687 37.306	0.0679 1.727		1570	3140
LMB20LUU	6	1.25 31.75	0 -0.0006 0 -15	2 50.8	0 -0.0009 0 -22	5 127	0 -0.016 0 -400	4.0094 101.839	0 -0.016 0 -400	1.8859 47.904	0.0679 1.727	0.001 25 0.0012 30	2500	5490
LMB24LUU	6	1.5 38.1		2.375 60.325		5.6875 144.463		4.8236 122.519		2.2389 56.87	0.0859 2.184		3430	8040
LMB32LUU	6	2 50.8		3 76.2	0 -0.001 0 -25	7.75 196.85		6.3834 162.138		2.8379 72.085	0.1029 2.616		6080	15900

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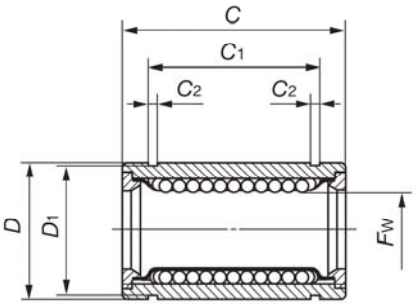
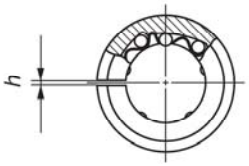
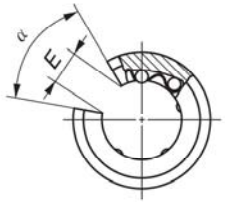
LMB-UU Series




LMB



LMB···AJ



LMB···OP

Shaft dia. (mm)	Part No.						Major (mm)					Dimensions and tolerance (mm)								α	ecc. (max) (μm)		Rated load(N)		mass (g)
	TYPE	Ball rows	TYPE	Ball rows	TYPE	Ball rows	Dim. of inscribing circle			Outside dimension		Full-length		C1	tol. (μm)	C2	D1	h	E		Prec.	High	Dyn.	Stat.	
							Fw	tol. (μm) Pre.	tol. (μm) High	D	tol. (μm)	C	tol. (μm)												
6.35	LMB4UU	4	LMB4UU AJ	4	-	-	6.35	0 -6	0 -9	12.7	0 -11	19.1	0 -200	13	0 -200	0.99	11.91	1	-	-	8	12	206	265	8
9.525	LMB6UU	4	LMB6UU AJ	4	-	-	9.53			15.9	0 -13	22.2		16.2		0.99	14.94	1	-	-			225	16	14
12.7	LMB8UU	4	LMB8UU AJ	4	LMB8UU OP	3	12.7			22.2		31.8		24.5		1.17	20.85	1.5	7.94	80°			510	784	37
15.875	LMB10UU	4	LMB10UU AJ	4	LMB10UU OP	3	15.9			28.6		38.1		28		1.42	26.9	1.5	9.53	80°			774	1,180	76
19.05	LMB12UU	5	LMB12UU AJ	5	LMB12UU OP	4	19.1	0 -7	0 -10	31.8	0 -16	41.3		29.6		1.42	29.87	1.5	11.1	60°	10	15	862	1,370	95
25.4	LMB16UU	6	LMB16UU AJ	6	LMB16UU OP	5	25.4			39.7		57.2	0 -300	44.6	0 -300	1.73	37.31	1.5	14.3	50°			980	1,570	200
31.75	LMB20UU	6	LMB20UU AJ	6	LMB20UU OP	5	31.8	0 -8	0 -12	50.8	0 -19	66.7		50.9		1.73	47.9	2.5	15.9	50°	12	20	1,570	2,740	440
38.1	LMB24UU	6	LMB24UU AJ	6	LMB24UU OP	5	38.1			60.3		76.2		61.3		2.18	56.87	3	19.1	50°			2,180	4,020	670
50.8	LMB32UU	6	LMB32UU AJ	6	LMB32UU OP	5	50.8			76.2	0 -22	102		81.1		2.62	72.09	3	25.4	50°	17	25	3,820	7,940	1,140

Note: tol.=tolerance, prec.=precision, dia.=diameter, deg.=degree, ecc. =eccentricity, dim.=dimension, dyn.=dynamic, stat.=static

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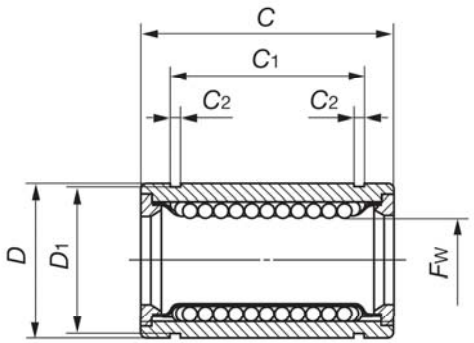
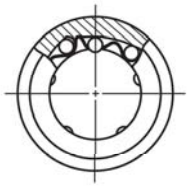
LME-L Series





LME-L

Type	Ball Rows	Main dimensions and Tolerance (mm)										Basic Load Rating(N)	
		Fw	Tol.(μm)	D	Tol.(μm)	C	Tol.(μm)	C1	Tol.(μm)	D1	C2	Dyn.	Stat.
LME8L	4	8	9 -1	16	0 -9	46	0 -300	27	0 -400	15.2	1.1	421	804
LME12L	4	12		22	0 -11	61		35		21	1.3	813	1570
LME16L	5	16	11 -1	26		68		44		24.9	1.3	921	1780
LME20L	5	20		32	0 -13	80		46		30.5	1.6	1370	2740
LME25L	6	25	13 -2	40		112	0 -400	46	0 -500	38	1.85	1570	3140
LME30L	6	30		47		123		53		44.5	1.85	2500	5490
LME40L	6	40	16 14	62	0 -15	151		61		59	2.15	3430	8040
LME50L	6	50		75		192		82		72	2.65	6080	15900
LME60L	6	60		90	0 -20	209		89		86.5	3.15	7550	20000

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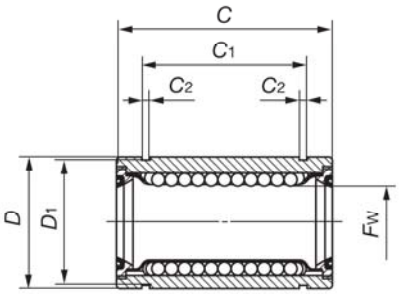
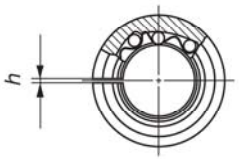
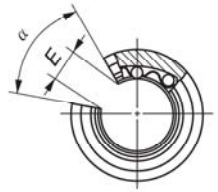
LME-UU Series




LME···UU



LME···UU AJ



LME···UU OP

Shaft Diameter (mm)	Standard Type		Adjustable Type		Open Type		Main Dimension(mm)												α	Ecc. (max) (μm)	Rated Load (N)		mass (g)
	type	Ball rows	type	Ball rows	type	Ball rows	Dimension of Inscribing		Outside Dimension		C	tol. (μm)	C1	tol. (μm)	C2	D1	h	E			Dyn	Stat	
							Fw	tol. (μm)	D	tol. (μm)													
5	LME5UU	3	-	-	-	-	5	+8 0	12	0 -8	22	0 -200	14.5	0 -200	1.1	11.5	-	-	-	12	118	216	11
8	LME8UU	4	-	-	-	-	8		16		25		16.5		1.1	15.2	-	-	-		137	255	20
12	LME12UU	4	LME12UU AJ	4	LME12UU OP	3	12		22	0	32		22.9		1.3	21	1.5	7.5	78°		588	500	45
16	LME16UU	4	LME16UU AJ	4	LME16UU OP	3	16	+9 0	26	-9	36		24.9		1.3	24.9	1.5	10	78°		480	765	69
20	LME20UU	5	LME20UU AJ	5	LME20UU OP	4	20		32	0	45		31.5		1.6	30.3	2	10	60°	15	647	2206	100
25	LME25UU	6	LME25UU AJ	6	LME25UU OP	5	25	+11 0	40	-11	58	0 -300	44.1	0 -300	1.85	37.5	2	12.5	50°		1029	1814	200
30	LME30UU	6	LME30UU AJ	6	LME30UU OP	5	30		47		68		52.1		1.85	44.5	2	12.5	50°		1471	2745	260
40	LME40UU	6	LME40UU AJ	6	LME40UU OP	5	40	+13 -2	62	0	80		60.6		2.15	59	2	16.8	50°	17	2304	4412	800
50	LME50UU	6	LME50UU AJ	6	LME50UU OP	5	50		75	-13	100		77.6		2.65	72	2	21	50°		3725	6373	1400
60	LME60UU	6	LME60UU AJ	6	LME60UU OP	5	60		90		125	0 -400	101.7	0 -400	3.15	86.5	3	27.2	50°	20	6225	11765	2000
80	LME80UU	6	LME80UU AJ	6	LME80UU OP	5	80	16 -4	120	0 -15	165		133.7		4.15	116	3	36.3	50°		10196	17647	5000

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