

# Bearing Spacers –For Bearing Outer Race–



The precision Bearing Spacers are used to take up any distances between bearings and locknuts or multiple bearings in arrangements. They are available in aluminum and steel for both inner and outer bearing races.

Material	Surface Treatment	Type	
		For Inch Bearings	For Metric Bearings
5052 Aluminum	-	<b>U-CLBS</b>	<b>U-CLBSME</b>
JIS SS400*	Black Oxide	<b>U-CLBSB</b>	<b>U-CLBSBM</b>
	Electroless Nickel Plating	<b>U-CLBSM</b>	<b>U-CLBSMM</b>

Material Characteristics: P.628, 629 \* JIS SS400 is equivalent to 1018 Steel.

Surface Roughness: Unless otherwise specified 100 $\sqrt{\text{m}}$

**For Inch Bearings**

Type	Part No.		L Choose in 0.001" Increments (Inch)	d (Inch)	C (Inch)	(Dh) (Inch)	Compatible Inch Bearing No.
	Callout	D Actual Dia. mm    Inch					
U-CLBS	0.50	- 0.500	0.125 ~ 2.000	0.375	0.030	0.435	RA3
	0.63	- 0.625	0.125 ~ 2.000	0.500	0.025	0.550	R4
	0.75	- 0.750	0.125 ~ 2.000	0.625	0.015	0.655	RA4
	0.88	- 0.875	0.125 ~ 4.000	0.750	0.015	0.780	R6
	1.13	- 1.125	0.125 ~ 4.000	1.000	0.010	1.020	R8
	1.38	- 1.375	0.125 ~ 4.000	1.250	0.010	1.270	R10
	1.63	- 1.625	0.125 ~ 4.000	1.500	0.010	1.520	R12
	1.88	- 1.875	0.125 ~ 4.000	1.563	0.010	1.583	R14
U-CLBSB	2.00	- 2.000	0.125 ~ 4.000	1.688	0.010	1.708	R16
	2.13	- 2.125	0.125 ~ 4.000	1.969	0.010	1.989	R18
	2.25	- 2.250	0.125 ~ 4.000	2.000	0.010	2.020	R20
	2.25	- 2.250	0.125 ~ 4.000	2.000	0.010	2.020	R20

**Order Example** The part number consists only of the fields with blue characters.

Part No. — **L**

Type **D**

**U-CLBS 2.00 — L 3.000**

**For Metric Bearings**

Type	Part No.		L Choose in 0.001" Increments (Inch)	d (mm)	C (mm)	(Dh) (mm)	Compatible Metric Bearing No.
	Callout	D Actual Dia. mm    Inch					
U-CLBSME	6	6 0.236	0.125 ~ 2.000	4	0.5	5	673
	7	7 0.276	0.125 ~ 2.000	5	0.5	6	674
	8	8 0.315	0.125 ~ 2.000	5	0.5	6	693
	10	10 0.394	0.125 ~ 2.000	7	0.5	8	623
	11	11 0.433	0.125 ~ 2.000	7	0.5	8	694
	13	13 0.512	0.125 ~ 2.000	9	0.5	10	624, 695
	14	14 0.551	0.125 ~ 2.000	10	0.5	11	605
	15	15 0.591	0.125 ~ 2.000	10	0.5	11	696
	16	16 0.630	0.125 ~ 2.000	11	0.5	12	625
	17	17 0.669	0.125 ~ 2.000	12	0.5	13	606
	19	19 0.748	0.125 ~ 2.000	14	0.5	15	626, 698
	22	22 0.866	0.125 ~ 4.000	17	0.5	18	608, 6900
	24	24 0.945	0.125 ~ 4.000	19	0.5	20	628, 6901
	26	26 1.024	0.125 ~ 4.000	20	0.5	21	6000
	28	28 1.102	0.125 ~ 4.000	22	0.5	23	6001, 6902
	30	30 1.181	0.125 ~ 4.000	24	0.5	25	6200
	32	32 1.260	0.125 ~ 4.000	25	0.5	26	6201, 6002
	35	35 1.378	0.125 ~ 4.000	29	0.5	30	6202
	37	37 1.457	0.125 ~ 4.000	31	0.5	32	6904
	42	42 1.654	0.125 ~ 4.000	34	0.5	35	6004, 6905
	47	47 1.850	0.125 ~ 4.000	39	0.5	40	6204, 6005, 6906
	52	52 2.047	0.125 ~ 4.000	45	0.5	46	6205
	55	55 2.165	0.125 ~ 4.000	46	0.5	47	6006
	62	62 2.441	0.125 ~ 4.000	55	0.5	56	6206, 6007, 6908
	70	70 2.756	0.125 ~ 4.000	63	0.5	64	6207, 6008, 6208

**Order Example** The part number consists only of the fields with blue characters.

Part No. — **L**

Type **D**

**U-CLBSME 52 — L 3.000**

**Days to Ship**

Standard **6** Days **\$ 2.00/piece**

Express **4** Days (Specify Express **A**) **\$ 2.00/piece** **P.30**

Optional Modification **L** (Ordering Code)

Type **D**

U-CLBS 2.00 — L 3.000 — LKC  
U-CLBSME 52 — L 3.000 — LKC

Optional Modification	Ordering Code	Detail	\$Price Adder
	<b>LKC</b>	Overall Length Tolerance Alteration L +0.000 ..... +0.000 -0.005 ..... -0.001	2.00

When using Optional Modification, add the "Price Adder" to the standard "Unit Price".

**Quantity Discount Rate**

Quantity	1-4	5-9	10-19	20~
Rate	-	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

D	\$ Unit Price (Qty. 1-4)								
	U-CLBS			U-CLBSB			U-CLBSM		
	L0.125-1.000	L1.001-2.000	L2.001-4.000	L0.125-1.000	L1.001-2.000	L2.001-4.000	L0.125-1.000	L1.001-2.000	L2.001-4.000
0.50	3.60	4.30	-	4.90	5.80	-	5.40	6.40	-
0.63	4.20	5.00	-	5.60	6.70	-	6.10	7.30	-
0.75	4.60	5.50	-	6.10	7.40	-	6.70	8.20	-
0.88	4.90	5.80	6.90	6.50	7.80	9.20	7.10	8.50	10.10
1.13	5.70	6.80	8.10	7.60	9.00	10.80	8.30	10.00	11.90
1.38	6.50	7.80	9.30	8.60	10.40	12.50	9.50	11.50	13.70
1.63	7.20	8.60	10.30	9.60	11.50	13.70	10.40	12.70	15.00
1.88	7.60	9.00	10.80	10.10	12.10	14.40	11.00	13.30	15.80
2.00	8.00	9.50	11.30	10.70	12.60	15.10	11.60	13.90	16.70
2.13	8.40	10.00	12.00	11.40	14.40	18.20	12.40	15.70	19.80
2.25	8.40	10.00	12.00	11.40	14.40	18.20	12.40	15.70	19.80

D	\$ Unit Price (Qty. 1-4)								
	U-CLBSME			U-CLBSBM			U-CLBSMM		
	L0.125-1.000	L1.001-2.000	L2.001-4.000	L0.125-1.000	L1.001-2.000	L2.001-4.000	L0.125-1.000	L1.001-2.000	L2.001-4.000
6	2.80	3.40	-	3.80	4.60	-	4.20	4.90	-
7	3.00	3.60	-	4.00	4.90	-	4.30	5.40	-
8	3.10	3.80	-	4.20	5.00	-	4.60	5.50	-
10	3.20	3.90	-	4.30	5.30	-	4.80	5.80	-
11	3.40	4.10	-	4.60	5.40	-	4.90	6.00	-
13	3.60	4.30	-	4.90	5.80	-	5.40	6.40	-
14	3.80	4.60	-	5.00	6.10	-	5.50	6.70	-
15	4.10	4.90	-	5.40	6.50	-	6.00	7.10	-
16	4.20	5.00	-	5.60	6.70	-	6.10	7.30	-
17	4.50	5.30	-	6.00	7.10	-	6.50	7.70	-
19	4.60	5.50	-	6.10	7.40	-	6.70	8.20	-
22	4.90	5.80	6.90	6.50	7.80	9.20	7.10	8.50	10.10
24	5.10	6.10	7.30	6.80	8.20	9.70	7.60	8.90	10.70
26	5.40	6.50	7.70	7.20	8.60	10.30	7.90	9.50	11.30
28	5.70	6.80	8.10	7.60	9.00	10.80	8.30	10.00	11.90
30	5.90	7.00	8.50	7.90	9.40	11.40	8.80	10.30	12.50
32	6.20	7.40	8.90	8.30	10.00	11.90	9.10	10.90	13.10
35	6.50	7.80	9.30	8.60	10.40	12.50	9.50	11.50	13.70
37	6.90	8.20	9.90	9.20	11.00	13.20	10.10	12.10	14.40
42	7.20	8.60	10.30	9.60	11.50	13.70	10.40	12.70	15.00
47	7.60	9.00	10.80	10.10	12.10	14.40	11.00	13.30	15.80
52	8.00	9.50	11.30	10.70	12.60	15.10	11.60	13.90	16.70
55	8.40	10.00	12.00	11.40	14.40	18.20	12.40	15.70	19.80
62	8.40	10.50	12.60	12.00	15.50	19.30	13.20	17.00	21.00
70	10.80	13.00	15.50	13.80	17.60	21.80	15.00	19.20	23.50



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