

# Silicon Rubber, Urethane Molded Bearings

Threaded Flat

# Silicon Rubber, Urethane Molded Bearings

Threaded Arc

RoHS

Urethane (white) may turn yellow over time.

No undercutting on threads.

Type		Material	Hardness	Color	Bearing	Shaft	
Standard Threaded	Long Threaded					Material	Surface Treatment
UMBKH	UMBKT	Urethane	Shore A95	Black	52100 Bearing Steel	SUM	Electroless Nickel Plating
UMSBKH	UMSBKT				440C Stainless Steel	303 Stainless Steel	-
UMBKWH	UMBKWT			52100 Bearing Steel	SUM	Trivalent Chromate	
UMSBKWH	UMSBKWT			440C Stainless Steel	303 Stainless Steel	-	
UMBH	UMBT			52100 Bearing Steel	SUM	Electroless Nickel Plating	
UMSBH	UMSBT			440C Stainless Steel	303 Stainless Steel	-	
UMBWH	UMBWT	Silicon Rubber	Shore A70	Black	52100 Bearing Steel	SUM	Electroless Nickel Plating
UMSBWH	UMSBWT				440C Stainless Steel	303 Stainless Steel	-
UMBWH	UMBWT			52100 Bearing Steel	SUM	Trivalent Chromate	
UMSBWH	UMSBWT			440C Stainless Steel	303 Stainless Steel	-	
UMBGH	-			52100 Bearing Steel	SUM	Electroless Nickel Plating	
UMBLH	-			440C Stainless Steel	303 Stainless Steel	-	
UMBLWH	UMBLWT	Antistatic Urethane	Shore A90	Black	52100 Bearing Steel	SUM	Electroless Nickel Plating
UMSBWH	UMSBWT				440C Stainless Steel	303 Stainless Steel	-
SUMBH	SUMBT			52100 Bearing Steel	SUM	Trivalent Chromate	
SUMSBH	SUMSBT			440C Stainless Steel	303 Stainless Steel	-	
UMBHDH	UMBDDT			52100 Bearing Steel	SUM	Electroless Nickel Plating	
UMBBDH	UMBDT			440C Stainless Steel	303 Stainless Steel	-	

**Shape A**

**Shape B**

Bearing Accuracy JIS B 1514 O Class

**Shape A**

Part Number	Type	d	D	M	F	Allowable Load N (kgf)				B	D <sub>1</sub>	r	G	Bearing Used
						Standard	Long	Urethane	Silicon					
Standard Threaded	Long Threaded	3	10	M3	4	38(3.8)	28(2.8)	9(0.9)	4(0.4)	7(0.7)	3	7	0.1	W683ZZA
		4	12			53(5.4)	34(3.5)	10(1)	6(0.6)	9.8(1)				
Standard Threaded	Long Threaded	4	13	M4	5	66(6.7)	44(4.5)	13(1.3)	7(0.7)	13(1.3)	4	9	0.15	W684AX50ZZ
		5	16			79(8.1)	59(6)	16(1.6)	6(0.6)	18(1.8)				
Standard Threaded	Long Threaded	5	16	M4	8	102(10.4)	78(8)	20(2)	9(0.9)	24(2.4)	5	16	0.3	625ZZ
		6	20			114(11.7)	23(2.3)	15(1.5)	15(1.5)	15(1.5)				
Standard Threaded	Long Threaded	6	20	M6	8	157(16)	157(16)	44(4.5)	39(4)	47(4.8)	6	19	0.3	626ZZ
		8	28			208(21.2)	42(4.3)	35(3.6)	35(3.6)	35(3.6)				
Standard Threaded	Long Threaded	8	28	M6	12	176(18)	176(18)	81(8.3)	65(6.7)	53(5.4)	8	26	0.3	608ZZ
		10	30A			176(18)	81(8.3)	65(6.7)	53(5.4)	53(5.4)				
Standard Threaded	Long Threaded	10	30A	M10	12	274(28)	274(28)	136(13.9)	93(9.5)	82(8.4)	9	30	0.6	6200ZZ
		15	40A			274(28)	136(13.9)	93(9.5)	82(8.4)	82(8.4)				
Standard Threaded	Long Threaded	15	40A	M10	20	343(35)	343(35)	109(11.1)	102(10.5)	103(10.5)	11	35	0.6	6202ZZ
		20	55A			343(35)	109(11.1)	102(10.5)	103(10.5)	103(10.5)				
Standard Threaded	Long Threaded	20	55A	M10	20	490(50)	490(50)	225(22.9)	176(18.1)	147(15)	14	47	1	6204ZZ
		25	65A			490(50)	225(22.9)	176(18.1)	147(15)	147(15)				

**Shape B**

Part Number	Type	d	D	M	F	Allowable Load N (kgf)				B	D <sub>1</sub>	B <sub>1</sub>	r	G	Bearing Used
						Standard	Long	Urethane	Silicon						
Standard Threaded	Long Threaded	8	30	M6	8	248(25.3)	176(18)	81(8.3)	65(6.7)	53(5.4)	11	26	8	0.3	608ZZ
		10	30			201(20.5)	176(18)	94(9.6)	51(5.2)	51(5.2)					
Standard Threaded	Long Threaded	10	40	M6	12	412(42)	274(28)	136(13.9)	93(9.5)	82(8.4)	12	32	9	0.6	6200ZZ
		15	40			369(37.6)	274(28)	122(12.4)	96(9.9)	96(9.9)					
Standard Threaded	Long Threaded	15	45	M10	20	534(54.5)	343(35)	109(11.1)	102(10.5)	103(10.5)	15	35	11	0.6	6202ZZ
		20	55			391(39.9)	343(35)	130(13.3)	98(10.1)	98(10.1)					
Standard Threaded	Long Threaded	20	55	M10	20	674(68.7)	490(50)	225(22.9)	176(18.1)	147(15)	18	47	14	1	6204ZZ
		25	65			999(101.9)	750(70)	333(34)	250(25.8)	226(23)					

**Unit Price**

d	D	Urethane (Shore A95)												Urethane (Shore A90)			Urethane (Shore A70)			Silicon Rubber (Shore A70)			Antistatic Urethane (Shore A70)		
		Steel Bearing			Stainless Steel Bearing			Steel Bearing			Stainless Steel Bearing			Steel Bearing			Stainless Steel Bearing			Steel Bearing			Stainless Steel Bearing		
		UMBKH	UMSBKH	UMBKWH	UMSBKH	UMSBKH	UMSBKWT	UMBH	UMSBH	UMBWH	UMSBH	UMSBH	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT	UMSBT
3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	30A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	40A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	40A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	45A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	55A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	55A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	65A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

RoHS

Urethane (white) may turn yellow over time.

No undercutting on threads.

Type		Material	Hardness	Color	Bearing	Shaft	
Standard Threaded	Long Threaded					Material	Surface Treatment
UMBRH	UMBRW	Urethane	Shore A90	Black	52100 Bearing Steel	SUM	Electroless Nickel Plating
UMSBRH	UMSBRW				440C Stainless Steel	303 Stainless Steel	-
UMBWRH	UMBWRT			52100 Bearing Steel	SUM	Trivalent Chromate	
UMSWRH	UMSWRT			440C Stainless Steel	303 Stainless Steel	-	
UMBGRH	UMBGRW			52100 Bearing Steel	SUM	Electroless Nickel Plating	
UMBGWRH	UMBGWRT			440C Stainless Steel	303 Stainless Steel	-	
SUMBRH	SUMBRW	Silicon Rubber	Shore A70	Black	52100 Bearing Steel	SUM	Electroless Nickel Plating
UMSBRH	UMSBRW				440C Stainless Steel	303 Stainless Steel	-
SUMBRH	SUMBRW			52100 Bearing Steel	SUM	Trivalent Chromate	
SUMSBRH	SUMSBRW			440C Stainless Steel	303 Stainless Steel	-	
UMBDRH	UMBDRT			52100 Bearing Steel	SUM	Electroless Nickel Plating	
UMBDRH	UMBDRT			440C Stainless Steel	303 Stainless Steel	-	

**Shape A**

**Shape B**

Bearing Accuracy JIS B 1514 O Class

**Shape A**

Part Number	Type	d	D	M	F	Allowable Load N (kgf)				B	D <sub>1</sub>	r	G	R	Bearing Used
						Standard	Long	Urethane	Silicon						
Standard Threaded	Long Threaded	3	12	M3	4	34(3.5)	10(1)	9.8(1)	3	7	0.1	1.5	5	W683ZZA	
		4	13			44(4.5)	13(1.3)	13(1.3)	4	9	0.15				
Standard Threaded	Long Threaded	4	16	M4	5	59(6)	16(1.6)	18(1.8)	5	13	0.2	2.5	5	W684AX50ZZ	
		5	16			59(6)	16(1.6)	18(1.8)	5	13	0.2				
Standard Threaded	Long Threaded	5	16	M4	8	78(8)	20(2)	24(2.4)	6	19	0.3	5	5	624ZZ	
		6	20			78(8)	20(2)	24(2.4)	6	19	0.3				
Standard Threaded	Long Threaded	6	20	M6	8	157(16)	44(4.5)	47(4.8)	7	22	0.3	4	4	WBC5-13ZZ	
		8	28			176(18)	42(4.3)	47(4.8)	7	22	0.3				

**Shape B**

Part Number	Type	d	D	M	F	Allowable Load N (kgf)				B	D <sub>1</sub>	B <sub>1</sub>	r	G	R	Bearing Used
						Standard	Long	Urethane	Silicon							
Standard Threaded	Long Threaded	8	30	M6	8	176(18)	81(8.3)	53(5.4)	11	26	8	0.3	4	15		