

# SM08 SERIES

## 8MM X 8MM THIN SECTION BEARINGS

**Type A**  
Angular Contact

**SM\_\_08 ARO**

Circular pocket separator  
5/32" balls  
interchange

**Type C**  
Radial Contact

**SM\_\_08 CPO**

Snapover separator  
5/32" balls  
interchange

**Type X**  
Four-Point Contact

**SM\_\_08 XPO**

Snapover separator  
5/32" balls  
interchange

SILVERTHIN BEARINGS • METRIC SERIES 8mm x 8mm																
SILVER THIN PART NO. & RFQ	DIMENSION IN MM					CAPACITIES IN NEWTONS										Appx Weight Kilogram
	Bore B	Outside Diam. D	Land Diam. L1	Land Diam. L2	C' Bore Diam. L3	TYPE A				TYPE C & X		TYPE X				
						Radial		Thrust		Radial		Thrust		Moment (N-m)		
						Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	
SM02508	25	41	30.9	35.1	37.2	3,650	2,670	10,520	5,495	2,980	2,490	7,430	4,605	50	40	0.06
SM05008	50	66	55.9	60.1	62.2	6,430	3,605	18,570	8,030	5,450	3,425	13,610	6,540	460	100	0.08
SM06008	60	76	65.9	70.1	72.2	7,720	4,005	22,285	9,075	6,430	3,760	16,105	7,295	220	125	0.09
SM07008	70	86	75.9	80.1	82.2	8,785	4,315	25,375	9,895	7,430	4,090	18,570	8,030	290	160	0.10
SM08008	80	96	85.9	90.1	92.2	9,875	4,605	28,470	10,700	8,430	4,405	21,040	8,720	370	190	0.12
SM09008	90	106	95.9	100.1	102.2	11,145	4,960	32,185	11,590	9,410	4,695	23,530	9,410	460	230	0.13
SM10008	100	116	105.9	110.1	112.2	12,210	5,225	35,275	12,320	10,410	4,980	26,000	10,055	560	265	0.14
SM11008	110	126	115.9	120.1	122.2	13,300	5,495	38,390	13,035	11,385	5,225	28,470	10,700	670	305	0.15
SM12008	120	136	125.9	130.1	132.2	14,370	5,760	41,480	13,725	12,365	5,495	30,960	11,300	790	350	0.16
SM13008	130	146	135.9	140.1	142.2	15,660	6,070	45,195	14,525	13,365	5,760	33,430	11,875	925	395	0.17
SM14008	140	156	145.9	150.1	152.2	16,725	6,315	48,285	15,190	14,370	6,005	35,895	12,455	1,065	440	0.18
SM15008	150	166	155.9	160.1	162.2	17,795	6,540	51,375	15,835	15,345	6,250	38,390	13,035	1,215	490	0.20
SM16008	160	176	165.9	170.1	172.2	19,085	6,830	55,090	16,590	16,345	6,495	40,855	13,590	1,375	545	0.20
SM17008	170	186	175.9	180.1	182.2	20,150	7,050	58,185	17,190	17,325	6,715	43,325	14,125	1,545	595	0.21
SM18008	180	196	185.9	190.1	192.2	21,240	7,275	61,275	17,815	18,325	6,960	45,815	14,655	1,720	650	0.22
SM19008	190	206	195.9	200.1	202.2	22,510	7,540	64,990	18,525	19,060	7,115	47,665	15,055	1,890	700	0.23
SM20008	200	216	205.9	210.1	212.2	23,575	7,760	68,100	19,105	20,060	7,340	50,130	15,570	2,085	760	0.23
SM25008	250	266	255.9	260.1	262.2	29,160	8,805	84,185	21,995	25,000	8,365	62,520	18,040	3,225	1,075	0.28
SM30008	300	316	305.9	310.1	312.2	34,940	9,785	100,910	24,820	29,960	9,295	74,910	20,350	4,615	1,430	0.33
SM32008	320	336	325.9	330.1	332.2	37,320	10,185	107,715	25,935	31,940	9,655	79,845	21,240	5,240	1,580	0.36
SM34008	340	356	345.9	350.1	352.2	39,455	10,520	113,895	26,910	33,920	9,965	84,805	22,110	5,860	1,730	0.38
SM36008	360	376	365.9	370.1	372.2	41,815	10,875	120,700	27,980	35,650	10,300	89,140	22,840	6,560	1,890	0.40

# SM13 SERIES

## 13MM X 13MM THIN SECTION BEARINGS

**Type A**  
Angular Contact

**SM\_\_\_13ARO**

Circular pocket separator  
1/4" balls  
interchange

**Type C**  
Radial Contact

**SM\_\_\_13CPO**

Snapover separator  
1/4" balls  
interchange

**Type X**  
Four-Point Contact

**SM\_\_\_13XPO**

Snapover separator  
1/4" balls  
interchange

SILVERTHIN BEARINGS • METRIC SERIES 13mm x 13mm																
SILVER THIN PART NO. & RFQ	DIMENSION IN MM					CAPACITIES IN NEWTONS										Appx Weight Kilogram
	Bore B	Outside Diam. D	Land Diam. L1	Land Diam. L2	C' Bore Diam. L3	TYPE A				TYPE C & X		TYPE X				
						Radial		Thrust		Radial		Thrust		Moment (N-m)		
						Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	
SM02513	25	51	34.7	41.3	44.7	6,050	5,425	17,435	10,540	5,070	5,250	12,675	8,520	95	95	0.11
SM05013	50	76	59.7	66.3	69.6	10,430	7,115	30,115	15,170	8,875	6,830	22,195	12,030	280	210	0.18
SM06013	60	86	69.7	76.3	79.6	12,075	7,675	34,875	16,725	10,785	7,605	26,935	14,080	395	270	0.21
SM07013	70	96	79.7	86.3	89.6	14,280	8,430	41,190	18,685	12,030	8,030	30,115	15,170	500	330	0.24
SM08013	80	106	89.7	96.3	99.6	15,925	8,965	45,950	20,105	13,320	8,450	33,275	16,215	620	390	0.26
SM09013	90	116	99.7	106.3	109.6	17,570	9,450	50,710	21,485	15,215	9,140	38,030	17,725	785	465	0.29
SM10013	100	126	109.7	116.3	119.6	19,215	9,940	55,470	22,795	16,480	9,520	41,190	18,685	930	530	0.32
SM11013	110	136	119.7	126.3	129.6	20,860	10,410	60,230	24,065	18,395	10,140	45,950	20,105	1,130	615	0.35
SM12013	120	146	129.7	136.3	139.6	22,510	10,875	64,965	25,335	19,660	10,520	49,130	21,020	1,305	695	0.38
SM13013	130	156	139.7	146.3	149.6	24,710	11,475	71,305	26,955	20,930	10,875	52,290	21,905	1,495	770	0.41
SM14013	140	166	149.7	156.3	159.5	26,355	11,920	76,065	28,135	22,820	11,455	57,050	23,220	1,745	870	0.44
SM15013	150	176	159.7	166.3	169.5	28,000	12,345	80,825	29,290	24,085	11,810	60,230	24,065	1,965	955	0.46
SM16013	160	186	169.7	176.3	179.5	29,645	12,765	85,585	30,450	25,355	12,145	63,385	24,910	2,195	1,045	0.49
SM17013	170	196	179.7	186.3	189.5	31,295	13,165	90,320	31,540	27,270	12,700	68,145	26,155	2,495	1,150	0.52
SM18013	180	206	189.7	196.3	199.5	32,940	13,545	95,080	32,650	28,535	13,010	71,305	26,955	2,755	1,245	0.55
SM19013	190	216	199.7	206.3	209.5	34,585	13,945	99,840	33,720	29,805	13,345	74,485	27,735	3,025	1,345	0.58
SM20013	200	226	209.7	216.3	219.4	36,765	14,480	106,180	35,140	31,695	13,835	79,245	28,915	3,375	1,465	0.61
SM25013	250	276	259.7	266.3	269.4	45,015	16,260	129,955	40,210	39,300	15,680	98,260	33,360	5,170	2,050	0.75
SM30013	300	326	309.7	316.3	319.3	53,800	18,040	155,310	45,285	46,285	17,190	115,675	37,210	7,240	2,680	0.89
SM32013	320	346	329.7	336.3	339.3	57,095	18,685	164,805	47,105	49,440	17,880	123,615	38,900	8,230	2,965	0.95
SM34013	340	366	349.7	356.3	359.2	60,920	19,395	175,905	49,195	52,620	18,525	131,535	40,525	9,285	3,255	1.01
SM36013	360	386	369.7	376.3	379.2	64,230	19,995	185,425	50,955	55,780	19,170	139,450	42,145	10,405	3,560	1.06

# SM20 SERIES

## 20MM X 20MM THIN SECTION BEARINGS

**Type A**  
Angular Contact

**SM\_\_20 ARO**

Circular pocket separator  
3/8" balls  
interchange

**Type C**  
Radial Contact

**SM\_\_20 CPO**

Snapover separator  
3/8" balls  
interchange

**Type X**  
Four-Point Contact

**SM\_\_20 XPO**

Snapover separator  
3/8" balls  
interchange

SILVERTHIN BEARINGS • METRIC SERIES 20mm x 20mm																
SILVER THIN PART NO. & RFQ	DIMENSION IN MM					CAPACITIES IN NEWTONS										Appx Weight Kilogram
	Bore B	Outside Diam. D	Land Diam. L1	Land Diam. L2	C' Bore Diam. L3	TYPE A				TYPE C & X		TYPE X				
						Radial		Thrust		Radial		Thrust		Moment (N-m)		
						Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	Static	Dyn	
SM02520	25	65	40.0	50.0	55.0	11,120	11,320	32,095	20,750	9,985	11,545	24,955	17,550	225	225	0.34
SM05020	50	90	65.0	75.0	80.0	18,525	14,325	53,490	29,160	15,680	13,835	39,210	23,710	550	470	0.51
SM06020	60	100	75.0	85.0	90.0	20,995	15,170	60,605	31,695	17,105	14,235	42,790	25,130	685	555	0.58
SM07020	70	110	85.0	95.0	100.0	23,465	16,015	67,745	34,120	19,975	15,435	49,910	27,845	900	680	0.65
SM08020	80	120	95.0	105.0	110.0	25,935	16,835	74,865	36,475	21,395	15,860	53,490	29,160	1,070	775	0.72
SM09020	90	130	105.0	115.0	120.0	29,645	18,150	85,585	39,880	24,245	16,970	60,605	31,695	1,335	915	0.80
SM10020	100	140	115.0	125.0	130.0	32,115	18,925	92,700	42,080	25,665	17,395	64,190	32,915	1,540	1,025	0.86
SM11020	110	150	125.0	135.0	140.0	34,585	19,660	99,840	44,195	28,535	18,440	71,305	35,320	1,855	1,180	0.94
SM12020	120	160	135.0	145.0	150.0	37,055	20,395	106,980	46,285	31,380	19,440	78,445	37,630	2,195	1,340	1.01
SM13020	130	170	145.0	155.0	160.0	39,520	21,130	114,095	48,310	32,805	19,840	82,005	38,765	2,460	1,470	1.08
SM14020	140	180	155.0	165.0	170.0	41,990	21,840	121,235	50,310	35,650	20,795	89,140	40,990	2,850	1,645	1.15
SM15020	150	190	165.0	175.0	180.0	45,705	22,930	131,935	53,225	37,075	21,195	92,700	42,080	3,150	1,780	1.20
SM16020	160	200	175.0	185.0	190.0	48,175	23,600	139,050	55,115	39,925	22,110	99,840	44,195	3,595	1,965	1.30
SM17020	170	210	185.0	195.0	200.0	50,465	24,265	146,190	56,980	42,790	22,485	106,955	46,285	3,930	2,115	1.40
SM18020	180	220	195.0	205.0	210.0	53,110	24,910	153,310	58,830	44,215	23,375	110,540	47,305	4,420	2,310	1.50
SM19020	190	230	205.0	215.0	220.0	55,580	25,555	160,445	60,630	47,060	24,220	117,680	49,310	4,940	2,520	1.50
SM20020	200	240	215.0	225.0	230.0	59,275	26,535	171,145	63,300	48,485	24,575	121,235	50,310	5,335	2,680	1.60
SM25020	250	290	265.0	275.0	280.0	72,885	29,825	210,380	72,640	59,895	27,670	149,750	57,915	8,085	3,705	2.10
SM30020	300	340	315.0	325.0	330.0	85,230	32,540	246,030	80,625	71,305	30,515	178,285	65,055	11,410	4,850	2.30
SM32020	320	360	335.0	345.0	350.0	91,410	33,875	263,870	84,495	75,600	31,515	188,985	67,635	12,850	5,325	2.42
SM34020	340	380	355.0	365.0	370.0	96,350	34,875	278,125	87,495	79,870	32,470	199,680	70,150	14,375	5,810	2.54
SM36020	360	400	375.0	385.0	390.0	102,510	36,140	295,940	91,210	84,160	33,430	210,380	72,640	15,990	6,315	2.70