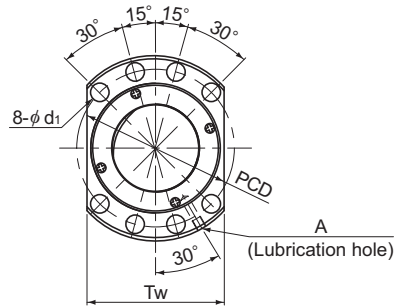


SDA-V/SDA-VZ
With Preload/No Preload

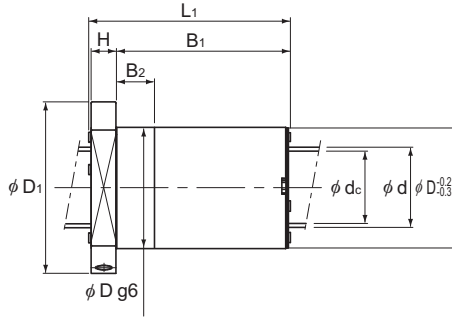
DN value	SDA-V (Caged Ball)	160,000
	SDA-VZ (Full-Ball)	130,000



Model No.	Screw shaft outer diameter	Lead	Ball center- to-center diameter	Thread minor diameter	No. of loaded circuits	Basic load rating				Rigidity		
						SDA-V (Caged Ball)		SDA-VZ (Full-Ball)		SDA-V (Caged Ball)	SDA-VZ (Full-Ball)	
						Ca kN	C _{0a} kN	Ca kN	C _{0a} kN	K N/μm	K N/μm	
	d	Ph	dp	dc	Rows X turns							
SDA 5010V-5	50	10	51	44.4	1×5	72	155.2	68.6	163.2	780	815	
SDA 5010VA-5	50	10	51.75	45.2	1×5	72.5	158.1	69	165.7	791	825	
SDA 5012V-5	50	12	51	44.4	1×5	72	155.2	68.5	163.3	779	816	
SDA 5012VA-5	50	12	51.75	45.2	1×5	72.4	158.1	69	165.9	791	825	
SDA 5016V-5	50	16	51	44.4	1×5	71.9	156.6	68.4	163.7	785	816	
SDA 5016VA-5	50	16	51.75	45.2	1×5	72.3	158.1	68.9	166.2	790	826	
SDA 5020V-5	50	20	51	44.4	1×5	71.7	156.6	68.3	164.2	784	817	
SDA 5020V-10	50	20	51	44.4	2×5	130.2	313.2	124	328.3	1,518	1,583	
SDA 5020VA-5	50	20	51.75	45.2	1×5	72.2	159.4	68.8	166.7	795	827	
SDA 5020VA-10	50	20	51.75	45.2	2×5	131.1	317.5	124.8	333.3	1,534	1,602	
SDA 5025V-4	50	25	51	44.4	1×4	58.2	123.6	55.5	129.8	624	652	
SDA 5025VA-4	50	25	51.75	45.2	1×4	58.6	125.1	55.8	131.7	630	660	
SDA 5025VA-8	50	25	51.75	45.2	2×4	106.4	251.5	101.3	263.5	1,226	1,277	
SDA 5030V-4	50	30	51	44.4	1×4	58	117.5	55.3	122.6	629	654	
SDA 5030VA-4	50	30	51.75	45.2	1×4	58.4	118.9	55.7	124.5	635	661	
SDA 5030VA-8	50	30	51.75	45.2	2×4	106.1	237.7	101	248.9	1,229	1,280	
SDA 5040V-3	50	40	51	44.4	1×3	43.9	86.5	41.8	90.7	467	487	
SDA 5040VA-3	50	40	51.75	45.2	1×3	44.2	87.9	42.1	92	473	492	
SDA 5040VA-6	50	40	51.75	45.2	2×3	80.3	175.7	76.4	184	916	954	
SDA 5050V-2	50	50	51	44.4	1×2	29.2	55.5	27.8	58	303	316	
SDA 5050VA-2	50	50	51.75	45.2	1×2	29.4	55.6	28	58.8	303	319	

Model number coding

SDA5010V	Z	-5	TT	G0	+830L	C5
Model No.	Number of turns			Overall screw shaft length (in mm)	Accuracy symbol ³	
Full-ball type code (No code for caged ball type)	Contamination protection accessory symbol ¹			Axial direction clearance code ²		



Unit: mm

	Nut dimensions										Screw shaft inertial moment/mm	Nut mass	Shaft mass	Permissible rotational speed	
	Outer diameter	Flange diameter	Overall length							Lubrication hole				SDA-V (Caged Ball)	SDA-VZ (Full-Ball)
	D	D ₁	L ₁	H	B ₁	B ₂	PCD	d ₁	T _w	A				min ⁻¹	min ⁻¹
	75	110	65	16	48	20	93	11	85	M8×1	4.82×10 ⁻⁶	1.46	13.93	3,130	2,540
	82	118	65	16	48	20	100	11	92	M8×1	4.82×10 ⁻⁶	1.89	14.2	3,090	2,510
	75	110	74	16	57	20	93	11	85	M8×1	4.82×10 ⁻⁶	1.63	14.19	3,130	2,540
	82	118	74	16	57	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.12	14.41	3,090	2,510
	75	110	93	16	76	20	93	11	85	M8×1	4.82×10 ⁻⁶	1.96	14.5	3,130	2,540
	82	118	93	16	76	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.57	14.67	3,090	2,510
	75	110	112	16	95	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.29	14.69	3,130	2,540
	75	110	112	16	95	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.25	13.79	3,130	2,540
	82	118	112	16	95	20	100	11	92	M8×1	4.82×10 ⁻⁶	3.02	14.83	3,090	2,510
	82	118	112	16	95	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.98	14.06	3,090	2,510
	75	110	110	16	93	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.22	14.82	3,130	2,540
	82	118	110	16	93	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.95	14.95	3,090	2,510
	82	118	110	16	93	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.92	14.31	3,090	2,510
	75	110	130	16	113	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.57	14.92	3,130	2,540
	82	118	130	16	113	20	100	11	92	M8×1	4.82×10 ⁻⁶	3.42	15.03	3,090	2,510
	82	118	130	16	113	20	100	11	92	M8×1	4.82×10 ⁻⁶	3.39	14.47	3,090	2,510
	75	110	128	16	111	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.52	15.06	3,130	2,540
	82	118	129	16	112	20	100	11	92	M8×1	4.82×10 ⁻⁶	3.37	15.13	3,090	2,510
	82	118	129	16	112	20	100	11	92	M8×1	4.82×10 ⁻⁶	3.32	14.68	3,090	2,510
	75	110	107	16	90	20	93	11	85	M8×1	4.82×10 ⁻⁶	2.13	15.13	3,130	2,540
	82	118	107	16	90	20	100	11	92	M8×1	4.82×10 ⁻⁶	2.84	15.2	3,090	2,510