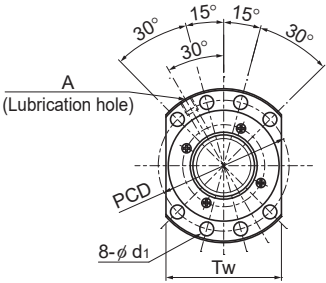


SDAN-V With Preload

DN value	SDAN-V (Caged Ball)	160,000
	SDAN-VX (Full-Ball)	130,000

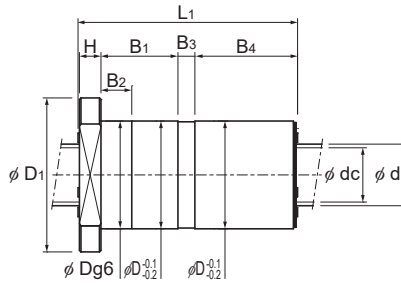


Model No.	Screw shaft outer diameter	Lead	Ball center- to-center diameter	Thread minor diameter	No. of loaded circuits	Basic load rating				Rigidity		
						SDAN-V (Caged Ball)		SDAN-VX (Full-Ball)		SDAN-V (Caged Ball)	SDAN-VX (Full-Ball)	
						Ca kN	C _{0a} kN	Ca kN	C _{0a} kN	K N/μm	K N/μm	
SDAN 4510V-5	45	10	46	39.4	1×5	68.7	139.4	65.4	146.5	1,434	1,499	
SDAN 4510VA-5	45	10	46.75	40.2	1×5	69.2	142.2	65.9	149	1,457	1,519	
SDAN 4512V-5	45	12	46	39.4	1×5	68.6	139.4	65.4	146.7	1,433	1,500	
SDAN 4512VA-5	45	12	46.75	40.2	1×5	69.2	142.2	65.9	149.2	1,457	1,519	
SDAN 4516V-5	45	16	46	39.4	1×5	68.5	140.7	65.3	147	1,444	1,501	
SDAN 4516VA-5	45	16	46.75	40.2	1×5	69	142.2	65.8	149.5	1,455	1,521	
SDAN 4520V-5	45	20	46	39.4	1×5	68.4	140.7	65.1	147.5	1,442	1,504	
SDAN 4520VA-5	45	20	46.75	40.2	1×5	68.9	143.6	65.6	150	1,465	1,524	
SDAN 5010V-5	50	10	51	44.4	1×5	72	155.2	68.6	163.2	1,559	1,630	
SDAN 5010VA-5	50	10	51.75	45.2	1×5	72.5	158.1	69	165.7	1,582	1,650	
SDAN 5012V-5	50	12	51	44.4	1×5	72	155.2	68.5	163.3	1,559	1,631	
SDAN 5012VA-5	50	12	51.75	45.2	1×5	72.4	158.1	69	165.9	1,582	1,651	
SDAN 5016V-5	50	16	51	44.4	1×5	71.9	156.6	68.4	163.7	1,570	1,633	
SDAN 5016VA-5	50	16	51.75	45.2	1×5	72.3	158.1	68.9	166.2	1,580	1,652	
SDAN 5020V-5	50	20	51	44.4	1×5	71.7	156.6	68.3	164.2	1,568	1,635	
SDAN 5020VA-5	50	20	51.75	45.2	1×5	72.2	159.4	68.8	166.7	1,591	1,654	
SDAN 5025V-4	50	25	51	44.4	1×4	58.2	123.6	55.5	129.8	1,249	1,304	
SDAN 5025VA-4	50	25	51.75	45.2	1×4	58.6	125.1	55.8	131.7	1,260	1,319	
SDAN 5030V-4	50	30	51	44.4	1×4	58	117.5	55.3	122.6	1,258	1,307	
SDAN 5030VA-4	50	30	51.75	45.2	1×4	58.4	118.9	55.7	124.5	1,269	1,322	
SDAN 5040V-3	50	40	51	44.4	1×3	43.9	86.5	41.8	90.7	934	974	
SDAN 5040VA-3	50	40	51.75	45.2	1×3	44.2	87.9	42.1	92	946	985	

Model number coding

SDAN4510V X -5 TT G0 +830L C5

Model No.	Number of turns	Overall screw shaft	Accuracy symbol ²
Full-ball type code (No code for caged ball type)	Contamination protection accessory symbol ¹	Symbol for clearance in the axial direction (G0 for all SDAN-V variations)	



Unit: mm

	Nut dimensions												Screw shaft inertial moment/mm	Nut mass	Shaft mass	Permissible rotational speed	
	Outer diameter	Flange diameter	Overall length				Spacer thickness					Lubrication hole				kg·m²/mm	kg
													min ⁻¹	min ⁻¹			
	70	105	135	16	45	20	11	62	88	11	80	M8×1	3.16×10 ⁻⁶	2.47	11.16	3,470	2,820
	75	110	135	16	45	20	11	62	93	11	85	M8×1	3.16×10 ⁻⁶	3.05	11.4	3,420	2,780
	70	105	158	16	54	20	15.6	72	88	11	80	M8×1	3.16×10 ⁻⁶	2.84	11.38	3,470	2,820
	75	110	158	16	54	20	15.6	72	93	11	85	M8×1	3.16×10 ⁻⁶	3.5	11.58	3,420	2,780
	70	105	189	16	73	20	8.8	90	88	11	80	M8×1	3.16×10 ⁻⁶	3.36	11.67	3,470	2,820
	75	110	189	16	73	20	8.8	90	93	11	85	M8×1	3.16×10 ⁻⁶	4.15	11.82	3,420	2,780
	70	105	232	16	92	20	14	109	88	11	80	M8×1	3.16×10 ⁻⁶	4.03	11.84	3,470	2,820
	75	110	232	16	92	20	14	109	93	11	85	M8×1	3.16×10 ⁻⁶	5	11.96	3,420	2,780
	75	110	135	16	45	20	11	62	93	11	85	M8×1	4.82×10 ⁻⁶	2.69	13.93	3,130	2,540
	82	118	135	16	45	20	11	62	100	11	92	M8×1	4.82×10 ⁻⁶	3.58	14.2	3,090	2,510
	75	110	158	16	54	20	15.6	72	93	11	85	M8×1	4.82×10 ⁻⁶	3.08	14.19	3,130	2,540
	82	118	158	16	54	20	15.6	72	100	11	92	M8×1	4.82×10 ⁻⁶	4.12	14.41	3,090	2,510
	75	110	189	16	73	20	8.8	90	93	11	85	M8×1	4.82×10 ⁻⁶	3.65	14.5	3,130	2,540
	82	118	189	16	73	20	8.8	90	100	11	92	M8×1	4.82×10 ⁻⁶	4.89	14.67	3,090	2,510
	75	110	232	16	92	20	14	109	93	11	85	M8×1	4.82×10 ⁻⁶	4.39	14.69	3,130	2,540
	82	118	232	16	92	20	14	109	100	11	92	M8×1	4.82×10 ⁻⁶	5.89	14.83	3,090	2,510
	75	110	235	16	90	20	20.5	108	93	11	85	M8×1	4.82×10 ⁻⁶	4.41	14.82	3,130	2,540
	82	118	235	16	90	20	20.5	108	100	11	92	M8×1	4.82×10 ⁻⁶	5.93	14.95	3,090	2,510
	75	110	265	16	110	20	10.7	128	93	11	85	M8×1	4.82×10 ⁻⁶	4.96	14.92	3,130	2,540
	82	118	265	16	110	20	10.6	128	100	11	92	M8×1	4.82×10 ⁻⁶	6.67	15.03	3,090	2,510
	75	110	268	16	108	20	17.5	126	93	11	85	M8×1	4.82×10 ⁻⁶	4.98	15.06	3,130	2,540
	82	118	269	16	108	20	17.3	126	100	11	92	M8×1	4.82×10 ⁻⁶	6.72	15.13	3,090	2,510

Axial Clearance

Unit: mm

Clearance symbol	G0
Axial clearance	0 or less