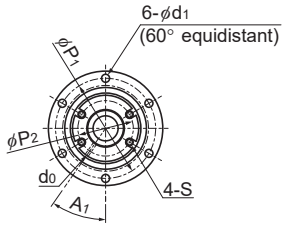
NS-V Low-Inertia Type: Linear Motion No Preload

DN value	100,000



Ball screw unit

Ball screw unit

Model No.	Screw shaft outer diameter	Screw shaft inner diameter	Lead	Ball screw dimensions										
				Basic load rating		Ball center-to-center diameter	Thread minor diameter	Outer diameter	Flange diameter	Overall length				
				Ca	C0a			D			D3			
	d	db	Ph	kN	kN	dp	dc	g6	D1	L1	h7	AE	BE	H
NS 1616V	16	11	16	4.6	6.8	16.65	13.7	42	54	38	32.5	31	31	4
NS 2020V	20	14	20	7.3	11.7	20.75	17.5	48	64	45	39.5	37	36	6
NS 2525V	25	18	25	8	14.4	25.35	22.1	56	72	55	43.5	42	41.6	6

Ball spline

Model No.	Ball spline dimensions						
	Basic load rating		Static permissible moment	Basic torque rating		Outer diameter	Flange diameter
	C	C0	MA	CT	C0T		
	kN	kN	N·m	N·m	N·m	D7	D5
NS 1616V	8.4	13.4	77.4	42.9	68.6	28 $^{0}_{-0.013}$	48
NS 2020V	10.5	18.6	144	66.4	117.2	32 $^{0}_{-0.016}$	54
NS 2525V	15.9	26.2	230	125.3	207	40 $^{0}_{-0.016}$	62

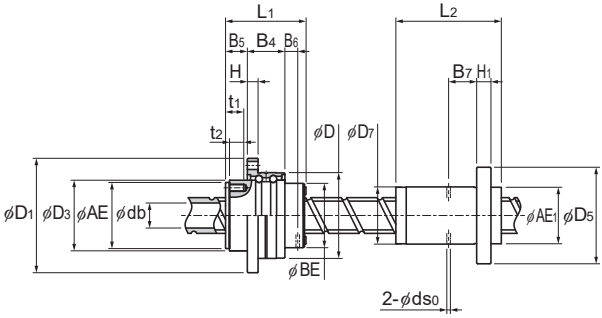
Notes: For K hollow shaft, please refer to the db dimension for the inner bore diameter of the shaft.
A solid shaft is also available upon request. See “Ball Spline” A3-120 for details.

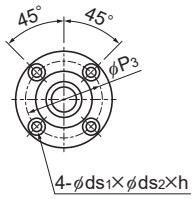
Model number coding

NS2020V +500L C5

Model number | Overall shaft length (in mm) | Accuracy symbol[1]

[1] See A15-12.





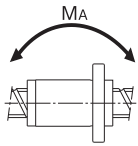
Ball spline

Unit: mm

B_4	B_5	P_1	P_2	S	t_1	t_2	d_1	B_6	d_0	A_1	Support bearing basic load rating Ca kN	Support bearing basic load rating C_0a kN	Nut inertial moment $kg \cdot m^2$	Screw shaft inertial moment $kg \cdot m^2/mm$	Nut mass kg	Shaft mass kg/m	Permissible rotational speed min^{-1}
18	9.7	48	25.5	M3	8.2	6	3.4	5.8	2	35°	6.7	8.6	2.00×10^{-5}	3.21×10^{-8}	0.21	0.8	5,000
21	12.2	56	31	M4	10.2	8	4.5	7.2	2	35°	7.3	10.6	6.50×10^{-5}	8.04×10^{-8}	0.39	1.21	4,810
21	13.2	64	36	M5	10.2	8	4.5	15.3	3	35°	9.7	13.4	1.02×10^{-4}	1.91×10^{-7}	0.51	1.79	3,940

Unit: mm

Overall length L_2	H_1	B_7	ds_0	P_3	Mounting hole ds_1	Mounting hole ds_2	Mounting hole h	Nut mass kg
46.4	6	11.7	2	38	4.5	8	4.4	0.13
59	8	15.7	2	43	5.5	9.5	5.4	0.21
67	8	18.3	3	51	5.5	9.5	5.4	0.34



Options⇒A15-355