

G. Accuracy Grade

KM series is classified into normal grade (N), high (H) and precision grade (P), the standards are shown below.

Model	Rail Length (mm)	Positioning Repeatability (mm)			Positioning Accuracy (mm)			Running of Parallelism(mm)			Backlash (mm)			Starting Torque (N-cm)		
		Nominal N	High H	Precision P	Nominal N	High H	Precision P	Nominal N	High H	Precision P	Nominal N	High H	Precision P	Nominal N	High H	Precision P
KM 20	100															
	150	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01	0.02	0.01	0.003	0.5	0.5	1.2
	200															
KM 26	150															
	200	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01	0.02	0.01	0.003	2	1.5	4
	250															
	300															
KM 30	150															
	200															
	300	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01				7	7	15
	400															
	500															
KM 33	150															
	200															
	300	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01				7	7	15
	400															
	500															
KM 45	340															
	440															
	540	±0.01	±0.005	±0.003	-	0.1	0.025	-	0.035	0.015				10	10	15
	640															
	740															
KM 46	340															
	440															
	540	±0.01	±0.005	±0.003	-	0.1	0.025	-	0.035	0.015				10	10	15
	640															
	740															
KM 55	980															
	1080															
	1180	±0.01	±0.005	±0.005	-	0.18	0.035	-	0.05	0.025				12	12	17
	1280															
	1380															

Model	Rail Length (mm)	Positioning Repeatability (mm)			Positioning Accuracy (mm)			Running of Parallelism (mm)			Backlash (mm)			Starting Torque (N-cm)			
		Nominal	High	Precision	Nominal	High	Precision	Nominal	High	Precision	Nominal	High	Precision	Nominal	High	Precision	
KM 65	980					0.18											
	1180	±0.01	±0.008	±0.005	-	0.035	-	0.05	0.025	0.05	0.05	0.005	12	12	20		
	1380					0.2											
	1680	±0.012				0.28	0.04		0.055	0.03				15	15	22	

H. Maximum Travel Speed and the Maximum Length

KM series is limited by the dangerous speed of the ballscrew and the DN value regardless, the maximum travel speed and the maximum length are shown below.

Unit : mm

Model	Ballscrew Lead	Rail Length	Maximum Travel Speed (mm/s)			Maximum Length		
			Normal N	High H	Precision P	Normal N	High H	Precision P
KM 20	1	100						
		150	137	137	190	200	200	200
		200						
	2	100						
150		273	273	383	200	200	200	
200								
KM 26	2	150						
		200	280	280	280	300	300	300
		250						
	6	300						
		150						
		200	590	590	830	300	300	300
KM 30	5	250						
		300	390	390	550	600	600	600
		400						
		500						
		600	340	340	340			
	10	150						
		200						
		300	790	790	1100	600	600	600
		400						
		500			980			
KM 33	5	600	650	650	650			
		150						
		200						
		300	390	390	550	600	600	600
		400						
		500						
600	340	340	340					