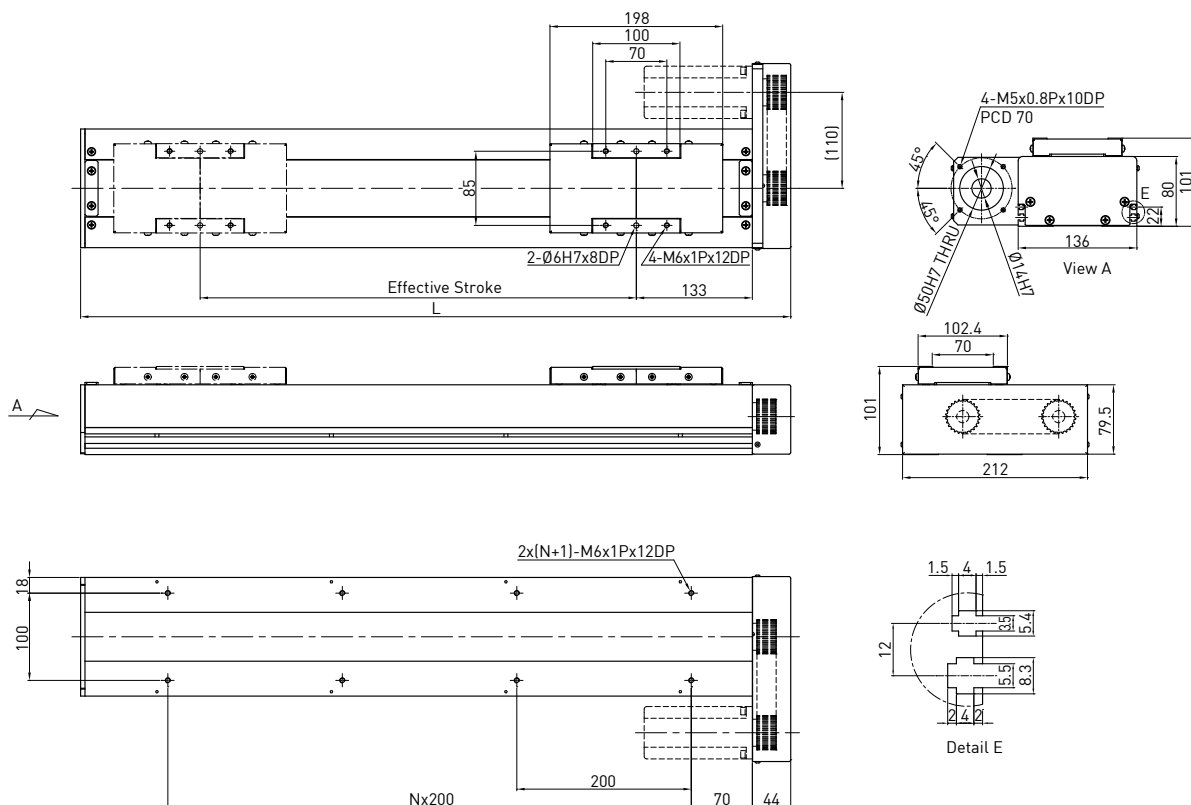
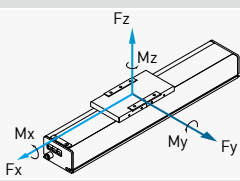


4.3.8 Model Number for KS140-FR

KS140	-20	P	-1100	A	FR	U	S1	M	V
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor	Installation
	10mm 20mm	P: Precision C: Normal		A: Standard	FR: Right	U: Without Cover None: Standard Cover	S1: OMRON SX671 None: Without Sensor	M: Supplied With Motor None: Without Motor	V: Vertical Install None: Horizontal Install



Effective stroke (mm)	L	N	Weight (kg)	AC motor output	W	200													
				Ballscrew / Drive		Φ 20C7/ HGH15CA													
200	514	1	11.5	Lead	mm	10 20													
300	614	2	13.0	Max linear speed*	mm/sec	525 1050													
400	714	2	14.5	Max RPM	RPM	3150 3150													
500	814	3	16.0	Rated thrust	N	357 178													
600	914	3	17.5	Repeatability	mm	±0.02													
700	1014	4	19.0	Effective stroke	mm	200-1100													
800	1114	4	20.5	<div style="display: flex; align-items: center;">  <table border="1" style="margin-left: 10px;"> <tr><td>Fyd</td><td>N</td><td>1709</td></tr> <tr><td>Fzd</td><td>N</td><td>3892</td></tr> <tr><td>Mxd</td><td>N-m</td><td>171.2</td></tr> <tr><td>Myd</td><td>N-m</td><td>132.3</td></tr> <tr><td>Mzd</td><td>N-m</td><td>132.3</td></tr> </table> </div>	Fyd	N	1709	Fzd	N	3892	Mxd	N-m	171.2	Myd	N-m	132.3	Mzd	N-m	132.3
Fyd	N	1709																	
Fzd	N	3892																	
Mxd	N-m	171.2																	
Myd	N-m	132.3																	
Mzd	N-m	132.3																	
900	1214	5	22.0	Rated dynamic load**															
1000	1314	5	23.5																
1100	1414	6	25.0																
				Permitted load condition*** $\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads															

* Vibration might occur when the effective stroke is longer than 700mm.
 The maximum speed should be decreased by 15% for every 100mm of increased stroke.
 ** The load condition is based on 10,000km operation.
 *** If used on the vertical axis or in a special condition, please contact HIWIN.