

		Mini	Midi				Max						
		KY-HGBD-00	KY-HGBD-250-01-W1	KY-HGBD2-250-01-W1	KY-HGRD-250-01-W1	KY-HGRD-500-01-W1-4	KY-HGRD-750-01-W2-6	KY-HGRD-1000-02-W1	KY-HGRD-2000-02-W1	KY-HGRD-3000-02-W2	KY-HGRD-4000-02-W2	KY-HGRD-5000-02-W3	
Payload	kg	50	250	250	250	500	750	1,000	2,000	3,000	4,000	5,000	
Construction		Single Beam			Twin Beam								
Drive Type		Belt Drive	Single Belt Drive	Dual Belt Drive	Rack & Pinion								
Max Speed (100% Duty Cycle)	m/s	3	1.5	2	1.57	2.09	1.26	0.88		0.75	0.60		
Max Speed (Reduced Duty Cycle)		4	2	3	3.14	4.19	2.51	1.77		1.49	1.19		
Max Acceleration Allowed (Faster on Request)		8	2.5	4	2				1.2	0.7	0.8		
Repeatability	mm	0.05	0.1		0.05		0.1				0.15		
Distance per Motor Rev		62.84	42		31.42	41.89	25	27		30	24		
Acceleration Torque Required	Nm	55	53	170	55	100	220	300	600	670		1,320	
Max Cont. Motor Speed Allowed	RPM	3,000						2,000		1,500			
Max Input Speed		6,000						4,000		3,000			
Pinion Effective Diameter	mm	80					128	135		152			
Standard Gearbox Ratio (Can be changed to suit motor)	(:)	4	6	6	8	16					20		
Max Acc Torque Allowed Through Gearbox	Nm	125		330	125		330	700		1,400			
Nominal Torque (Continuous Running)		75		180	75		180	360		750			
Emergency Stopping Torque (Max 1,000 stoppages)		250		625	250		625	1,250		2,750			
Standard Gearbox Backlash		≤ 3 Arc min standard , 1 arc min optional											
Max Track Length	mm	2,500	10,000			Unlimited							
Total Stroke Base Axis (Including Stops, Based on 2,500mm Module)		2,152	2,052		1,950	1,850	1,700	1,400	1,250	1,050			
Standard Carriage length (Any Size on Request)		300	400		550	650	800	1,100	1,250	1,450			
Cable Chain Space		Chain Optional	112 x 62						168 x 62				
Cable Chain Bend Radius		Chain Optional	200						300				

HiGlyde Linear Tracks - Performance Data

Data is based on standard configurations . Should you require different performance characteristics we can adapt base specification to suit.

www.kyrus.eu.com/products/linear-tracks/
info@kyrus.eu.com

