

Machine parameters HOBBY LINE				
	<i>Mechanical properties</i>			
TYPE:	HOBBY LINE 4530	HOBBY LINE 6045	HOBBY LINE 7545	HOBBY LINE 10560
Travels mm:	X: 300 Y: 450 Z: 140	X: 460 Y: 600 Z: 140	X: 460 Y: 750 Z: 140	X: 610 Y: 1050 Z: 140
Clamping surface mm:	X: 355 Y: 610	X: 515 Y: 760	X: 515 Y: 910	X: 665 Y: 1210
Passage under portal:	Z: 240	Z: 240	Z: 240	Z: 240
Installation dimensions:	L: 670 W: 550 H: 650	L: 820 W: 680 H: 650	L: 970 W: 680 H: 650	L: 1270 W: 860 H: 650
Ball screws:	X: 16 x 10 mm Y: 16 x 10 mm Z: 12 x 4 mm Tolerance class T07 HIWIN 2% pre-tensioned by special balls, so there is no play			
Repeatability:	approx. +/- 0.02 mm			
Weight w/o accessories:	approx. 18 kg	approx. 21 kg	approx. 28 kg	approx. 36 kg
Linear guides:	Roller guides, with ball bearings, on inserted steel shafts			
Clamping plate:	Optional MDF or aluminum T-slot plate			
	<i>Software parameters</i>			
Steps / revolution:	X: 1600 Y: 1600 Z: 1600			*1)
Steps / mm:	X: 160 Y: 160 Z: 400			*1)
Max. Feed speed:	X: 83,3 mm/s or 4 m/min Y: 83,3 mm/s or 4 m/min Z: 40 mm/s or 2,4 m/min *2)		X: 66,7 mm/s or 3 m/min Y: 66,7 mm/s or 3 m/min Z: 40 mm/s or 2,4 m/min *2)	
Acceleration mm/s ² :	X: 300 Y: 300 Z: 200			*2)
Remarks:	*1) with 1600 micro steps of the power amplifier (recommendation for Estlcam). *2) with 36 V supply voltage and high-quality power amplifiers.			