

	Machine parameters ST LINE		
	<i>Mechanical properties</i>		
TYPE:	ST 0704	ST 0706	ST 1006
Travels mm:	X: 750 Y: 460 Z: 190	X: 750 Y: 660 Z: 190	X: 1050 Y: 660 Z: 190
Clamping surface mm:	X: 1050 Y: 640	X: 1050 Y: 840	X: 1350 Y: 840
Passage under portal:	Z: 260	Z: 260	Z: 260
Installation dimensions:	L: 1150 B: 850 H: 1130	L: 1150 B: 1050 H: 1130	L: 1450 B: 1050 H: 1130
Ball screws:	X: 16 x 10 mm Y: 16 x 10 mm Z: 16 x 5 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. 205 kg	approx. 235 kg	approx. 255 kg
Linear guides:	HIWIN Linear guides 20 mm carriage with medium preload Manufactured according to special specifications for HIWIN Germany.		
Clamping plate:	Optional silkscreen or aluminum T-slot plate		
	<i>Software parameters</i>		
Steps / revolution:	X: 3200 Y: 3200 Z: 3200 *1)		
Steps / mm:	X: 320 Y: 320 Z: 640 *1)		
Max. Feed speed:	X: 150 mm/s or 9 m/min Y: 150 mm/s or 9 m/min Z: 83 mm/s or 5 m/min *2)		
Acceleration mm/s ² :	X: 300 Y: 300 Z: 200 *2)		
Remarks:	*1) with 3200 micro steps of the power amplifier. *2) with 48 V supply voltage and high-quality power amplifiers.		