

Conventional servo controlled lathe

The new MLS series are servo assisted manual lathes with visual programming using cycles. Easy to operate for a wide range of operations with minimum setup time. Extra wide bed offers the best rigidity and vibration absorption for the most demanding works.



STANDARD EQUIPMENT

- Control Fagor 8058
- Assisted cycles
- Touch screen
- Electronic handwheels
- Increased width and stiffness of the bed
- Headstock with variable speed 2 and 3 ranges
- Lubrication pump for the main spindle bearings
- Reducing brush of main shaft and dead center
- High precision main spindle bearings
- Dead center for tailstock
- Manual quick-change toolpost
- Electric spindle brake
- Interlocked chuck guard
- Emergency stop button
- Automatic central lubrication
- Full length rear splash guard
- Sliding front guard
- Fully guarded leadscrew
- Coolant system
- Heavy-duty cast-iron bed
- Levelling bolts
- LED Work light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- 3 and 4 jaw Chucks
- Rear chuck
- Fixed steady rest
- Large capacity fixed steady rest
- Follow rest
- Multifix quick-change toolpost
- Linear scale feedback
- Live center
- Transformer for other voltages
- Chip conveyor
- Anti-vibration kit

> MLS — Technical data sheet —

Working capacity		MLS-200			MLS-250			MLS-400						
Center distance	mm / in	1000 / 40	1500 / 60	1000 / 40	1500 / 60	2000 / 80	1000 / 40	2000 / 80	3000 / 120	4000 / 157 1/2	5000 / 197			
Bed width	mm / in	300 / 11 3/4			350 / 13 3/4			425 / 16 3/4						
Center height	mm / in	200 / 7 3/4			250 / 9 3/4			400 / 15 3/4						
Ø max. swing over bed	mm / in	400 / 15 3/4			500 / 19 1/2			800 / 31 1/2						
Ø max. swing over carriage	mm / in	360 / 14			450 / 17 1/2			710 / 28 1/4						
Ø max. over cross slide	mm / in	200 / 7 3/4			290 / 11 1/4			510 / 20 3/4						
Cross slide travel	mm / in	235 / 9			335 / 13			400 / 15 3/4						
Longitudinal carriage travel	mm / in	850 / 33 1/4	1350 / 53	850 / 33 1/4	1350 / 53	1850 / 72 3/4	1000 / 39 1/2	2000 / 78 3/4	3000 / 118	4000 / 157 1/2	5000 / 197			
Headstock														
Main motor power	kW	7,5			15			17						
Headstock main spindle bore Valid for all center distances	mm / in	42 / 1 1/2			58 / 2 1/4		105 / 4	105 / 4		155 / 6		230 / 9		
Main spindle nose	ASA / CAM-LOCK	A2-5 / D1-5			A2-6 / D1-6		A2-8 / D1-8	A2 - 8 / D1-8		A2-11/--				
Morse cone main spindle nose	MT	4			6		5	5			6			
Speed ranges	Range I	r.p.m. 0 - 4000			0 - 3000		0 - 2500	0 - 424		0 - 288		0 - 217		
	Range II	r.p.m.						424 - 1700		288 - 1000		217 - 750		
X-axis, Z-axis														
Working feeds Z	m/min							0 - 10						
Working feeds X	m/min							0 - 12						
Rapid traverse Z	m/min							12,5						
Rapid traverse X	m/min							15						
Standard spindle, Ø/pitch	mm	35 / 6						50 / 10						
Tailstock														
Tailstock barrel Ø	mm / in	68 / 2 1/2			95 / 3 3/4			106 / 4						
Tailstock barre travel	mm / in	200 / 7 3/4			220 / 8 1/2			215 / 8 1/2						
Tail stock Morse taper	MT	4			5			6						
Dimensions and Weight														
Length	mm	2620	3040	2540	3020	3650	2995	3995	4995	5995	6995			
Width	mm	1000			1140			1920						
Height	mm	1650			1770			2090						
Weight	kg	1845	2035	2160	2400	2650	5460	5760	6560	7360	8160			
Options														
Fixed steady rest Ø	mm	10 - 125			10 - 140			10 - 380						
Large capacity fixed steady rest Ø	mm	110 - 200			140 - 300			370 - 730						
Follow rest Ø	mm	10 - 80			10 - 100			35 - 310						
Dimensions and Weight with packaging														
Length	mm	2820	3240	2740	3220	3850	3195	4195	5195	6195	7195			
Width	mm	1100			1240			2020						
Height	mm	1850			1970			2290						
Weight	kg	2145	2335	2460	2700	3000	5860	6160	6960	7760	8560			

Note: The data is merely informative and subject to change according to the needs of the company.