

TECHNICAL DATA

LH 1210 Gear und LH 1512 Gear

Machine Type		LH 1210 Gear			LH 1512 Gear* ¹			
Measuring Ranges, Weights								
X	[mm]	1200			1500			
Measuring ranges [mm]	Y	[mm]	2000	2500	3000	2000	2500	3000
Z	[mm]	1000			1200			
Machine weight	[kg]	8200	10250	12650	10850	12550	15200	
Permissible part weight (on granite)	[kg]	2750	3000	3250	3500	3750	4000	
Rotary table diameter*	[mm]	600			600			
Rotary table loading*	[daN]	1000			1000			
Workpiece diameter	[mm]	1200			1500			
Module range	[mm]	0,5 - 25			1 - 32			
Measurable face width	[mm]	800			850 (1000)			
Helix angle	[°]	< 90						
General Requirements								
Electrical	Single-phase AC 1P+N+PE, 115/230 V ± 10 %, 50/60 Hz, max. 1000 VA, acc. to EN 60204/1							
Compressed air	Supply pressure 6-10 bar, pre-filtered, quality according to ISO 8573-1: Class 4 or better							
Air consumption passive	[^{NI} / _{min}]	Ø 71	max. 100 (20 ¹ / _{min})		Ø 80	max. 118 (24 ¹ / _{min})		
Air consumption active	[^{NI} / _{min}]	Ø 98	max. 155 (31 ¹ / _{min})		Ø 103	max. 160 (32 ¹ / _{min})		
Air consumption rotary table	[^{NI} / _{min}]	450 (90 ¹ / _{min})			450 (90 ¹ / _{min})			
Measuring Accuracy								
Accuracy	Gear Metrology	Gear inspection according to VDI/VDE 2612/2613, Group I <small>(with a maximum variation of the reference temperature + 2K)</small>						
	Coordinate Measuring Machines	Acceptance and confirmation in accordance with ISO 10360-2						
Operating Environment								
Gear Metrology	Operating temperature	[°C]	15 - 30					
	Temperature range	20 °C ± 2 K, ΔT: 1 K/h, 1 K/m, 2K/d						
Coordinate Measuring Machines	Operating temperature	[°C]	15 - 30					
	Temperature range for E _{L, MPE}	20 °C ± 2 K, ΔT: 1 K/h, 1 K/m, 2 K/d						
Relative humidity	[%]	40 - 70						
Dimensions								
External dimensions	L	[mm]	3500	4000	4500	3500	4000	4500
	B	[mm]	2200			2580		
	H	[mm]	3600			4100		

* Various rotary table versions on request.

*¹ The LH 1512 Gear is available only in machine design 'Classic'.
This does not correspond to the adjacent image.