

Spur Gearheads

0,03 Nm

Zero Backlash ¹⁾

For combination with
DC-Micromotors:
1224

Series 12/5

	12/5
Housing material	metal
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	5000 rpm
Backlash, when preloaded with the DC-Micromotor ¹⁾	0°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.:	
– radial (4,5 mm from mounting face)	≤ 5 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 10 N
Shaft play (on bearing output):	
– radial	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	– 30 ... + 100 °C

Specifications

reduction ratio (nominal)	weight without motor g	length without motor L2 mm	length with motor 1224 E L1 mm	output torque		direction of rotation (reversible)
				continuous operation M max. mNm	intermittent operation M max. mNm	
69,2 :1	11	18,7	42,9	30	100	⊘
161 :1	12	20,8	45,0	30	100	
377 :1	13	22,9	47,1	30	100	⊘
879 :1	14	25,0	49,2	30	100	
2 050 :1	15	27,1	51,3	30	100	⊘

For detailed information on zero backlash gearheads see page 92

¹⁾ These gearheads are available preloaded to zero backlash with motors factory assembled only.

