

Spur Gearheads

Zero Backlash ¹⁾

0,03 Nm

For combination with
 DC-Micromotors:
 1024, 1224
 Brushless DC-Servomotors:
 1226

Series 12/5

	12/5
Housing material	metal
Geartrain material	metal
Recommended max. input speed for: – continuous operation	5 000 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			output torque		direction of rotation (reversible)
			1024 E L1 mm	1224 E L1 mm	1226 E L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm	
69,2 :1	11	18,7	42,4	42,9	44,7	30	100	≠
161 :1	12	20,8	44,5	45,0	46,8	30	100	=
377 :1	13	22,9	46,6	47,1	48,9	30	100	≠
879 :1	14	25,0	48,7	49,2	51,0	30	100	=
2 050 :1	15	27,1	50,8	51,3	53,1	30	100	≠

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

Note: The reduction ratios are rounded, the exact values are available on request.

