

For combination with:
DC-Micromotors: MD1219

Series MD12B

	MD12B
Housing material	zinc die-cast
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	5,000 rpm
Backlash, at no-load	≤ 3°
Bearings on output shaft	sintered bronze sleeves
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 1 N
– axial	≤ 2 N
Shaft press fit force, max.	≤ 6 N
Shaft play (on bearing output):	
– radial	≤ 0.07 mm
– axial	≤ 0.25 mm
Operating temperature range	– 10 to + 60 °C

Specifications

reduction ratio (nominal)	number of gear stages	weight without motor g	length without motor L2 mm	length with motor MD1219 L1 mm	output torque		direction of rotation (reversible)	efficiency %
					continuous operation M max. mNm	intermittent operation M max. mNm		
7.5:1	2	4.9	12.8	31.3	4.9	14.7	CW	81
16:1	3	5.0	12.8	31.3	11.8	35.4	CCW	73
31:1	4	5.2	12.8	31.3	24.5	73.5	CW	66
52:1	4	5.2	12.8	31.3	24.5	73.5	CW	66
72:1	4	5.2	12.8	31.3	24.5	73.5	CW	66
100:1	5	5.4	12.8	31.3	24.5	73.5	CCW	59
144:1	5	5.4	12.8	31.3	24.5	73.5	CCW	59
209:1	5	5.4	12.8	31.3	24.5	73.5	CCW	59

Weight without motor includes pinion and screws.



