

Spur Gearheads

50 mNm

For combination with
DC-Micromotors:
2008

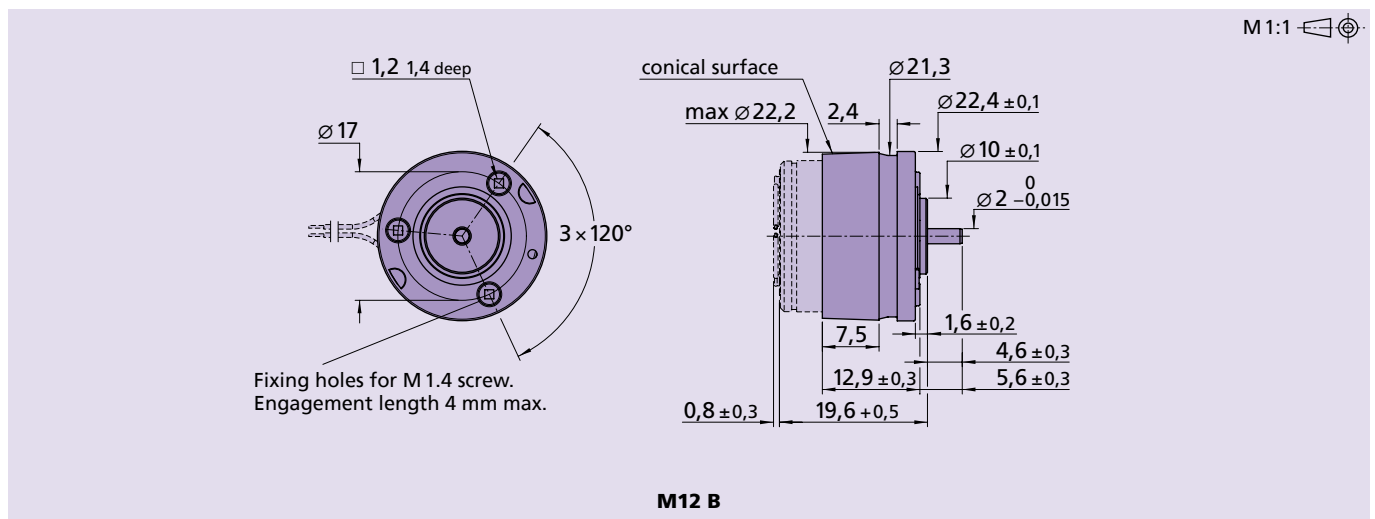
Series M12

	M12 B
Housing material	plastic
Geartrain material	plastic / metal
Recommended max. input speed for:	
– continuous operation	7 000 rpm
Backlash, at no-load	≤ 3 °
Bearings on output shaft	plastic / brass bearing
Shaft load, max.:	
– radial (3 mm from mounting face)	≤ 0,5 N
– axial	≤ 0,5 N
Shaft press fit force, max.	≤ 4 N
Shaft play:	
– radial (5 mm from mounting face)	≤ 0,15 mm
– axial	≤ 0,2 mm
Operating temperature range	– 20 ... + 85 °C

Specifications

reduction ratio (rounded)	weight without motor g	output torque		direction of rotation (reversible)	efficiency %
		continuous operation M _{max} mNm	intermittent operation M _{max} mNm		
23 : 1	4,6	20	30	≠	73
43 : 1	4,7	20	30	≠	73
75 : 1	5,1	30	40	=	66
139 : 1	4,7	30	50	=	66
241 : 1	5,3	30	40	≠	59
449 : 1	5,2	40	70	≠	59
1 443 : 1	5,3	50	100	=	53

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



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