

Planetary Gearheads

60 mNm

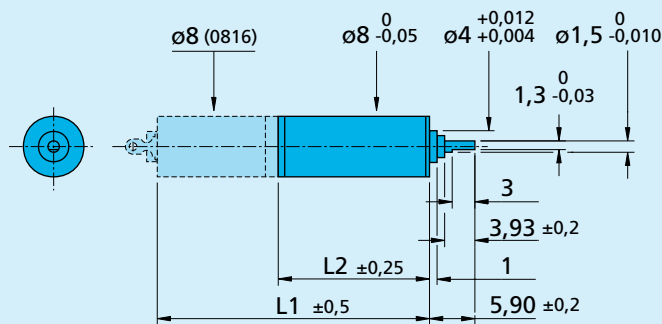
For combination with (overview on page 14-15)
DC-Micromotors:
0816

Series 08/1

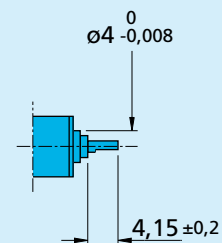
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Housing material	metal	metal
Geartrain material	all steel	all steel
Recommended max. input speed for:		
– continuous operation	8 000 rpm	8 000 rpm
Backlash, at no-load	≤ 3°	≤ 3°
Bearings on output shaft	sintered sleeve bearings	ball bearings
Shaft load, max.:		
– radial (4,5 mm from mounting face)	≤ 0,8 N	≤ 5 N
– axial	≤ 1 N	≤ 3 N
Shaft press fit force, max.	≤ 5 N	≤ 5 N
Shaft play (on bearing output):		
– radial	≤ 0,03 mm	≤ 0,02 mm
– axial	≤ 0,10 mm	≤ 0,05 mm
Operating temperature range	– 30 ... + 100 °C	– 30 ... + 100 °C

Specifications

reduction ratio	weight without motor g	length without motor L2 mm	length with motor 0816 P L1 mm	output torque		direction of rotation (reversible)	efficiency %
				continuous operation M max. mNm	intermittent operation M max. mNm		
4 : 1	2,9	9,6	25,6	60	120	=	90
16 : 1	3,8	12,3	28,3	60	120	=	80
64 : 1	4,6	15,0	31,0	60	120	=	70
256 : 1	5,4	17,7	33,7	60	120	=	60
1 024 : 1	6,3	20,4	36,4	60	120	=	55
4 096 : 1	7,1	23,1	39,1	60	120	=	48



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