

# Micro Planetary Gearhead

0,15 mNm

For combination with  
Micro Brushless DC-Motor:  
0206

## Series 02/1

	02/1	
Housing material	plastic	
Geartrain material	plastic	
Recommended max. input speed for:		
– continuous operation	20 000	rpm
– intermittent operation	50 000	rpm
Bearings on output shaft	sleeve bearings	
Shaft load, max.:		
– radial (1 mm from mounting face)	≤ 0,5	N
– axial	≤ 0,5	N
Shaft press fit force, max.	≤ 1	N
Shaft play:		
– radial (1,2 mm from mounting flange)	≤ 50	µm
– axial	≤ 30	µm
Operating temperature range	– 20 ... + 60	°C

## Specifications

reduction ratio (nominal)	number of gear stages	weight with motor mg	length without motor L2 mm	length with motor L1 mm	output torque		direction of rotation (reversible)	efficiency %
					continuous operation M max. mNm	intermittent operation M max. mNm		
13 :1	2	110	3,02	8,82	0,15	0,30	=	60
47 :1	3	110	3,78	9,58	0,15	0,30	=	50

**Note:** The Micro Planetary Gearhead is only available in combination with the micro brushless DC-motor series 0206 ... B.  
For more robust handling, the motor-gearhead combination is also available with a reinforcing tube with an other diameter of Ø 2,2 mm.  
The reduction ratios are rounded, the exact values are available on request.

