Planetary Gearheads

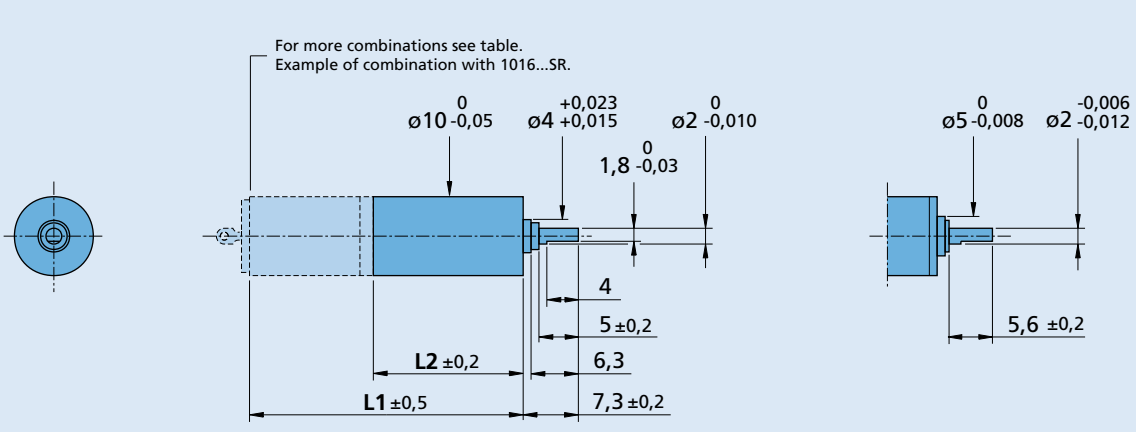
0,1 Nm

For combination with
DC-Micromotors
Brushless DC-Motors
Stepper Motors

Series 10/1

	10/1	10/1K
Housing material	metal	metal
Geartrain material	steel	steel
Recommended max. input speed for:		
– continuous operation	5 000 min^{-1}	5 000 min^{-1}
Backlash, at no-load	≤ 3 °	≤ 3 °
Bearings on output shaft	sintered bearings	ball bearings, preloaded
Shaft load, max.:		
– radial (5 mm from mounting face)	≤ 1 N	≤ 7 N
– axial	≤ 2 N	≤ 5 N
Shaft press fit force, max.	≤ 10 N	≤ 5 N
Shaft play		
– radial (5 mm from mounting face)	≤ 0,06 mm	≤ 0,04 mm
– axial	≤ 0,1 mm	= 0 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Technical data							
Number of gear stages		1	2	3	4	5	6
Continuous torque	mNm	5	15	54	100	100	100
Intermittent torque	mNm	200	200	200	200	200	200
Mass without motor, ca.	g	6	7	8	10	11	13
Efficiency, max.	%	90	80	70	60	55	48
Direction of rotation, drive to output		=	=	=	=	=	=
Reduction ratio (exact)		**4:1**	**16:1**	**64:1**	**256:1**	**1 024:1**	**4 096:1**
L2 [mm] = length without motor		9,7	12,8	15,9	19,0	22,1	25,2
L1 [mm] = length with motor	0816M...SR	25,6	28,7	31,8	34,9	38,0	41,1
	1016M...SR	25,6	28,7	31,8	34,9	38,0	41,1
	1024M...SR	33,6	36,7	39,8	42,9	46,0	49,1
	1219M...G	28,4	31,5	34,6	37,7	40,8	43,9
	1224M...SR	33,9	37,0	40,1	43,2	46,3	49,4
	0824M...B	33,8	36,9	40,0	43,1	46,2	49,3
	1028M...B	37,8	40,9	44,0	47,1	50,2	53,3
	1218M...B	27,7	30,8	33,9	37,0	40,1	43,2
	1226M...B	35,7	38,8	41,9	45,0	48,1	51,2
	AM0820...10	23,5	26,6	29,7	32,8	35,9	39,0
	AM1020...08	25,6	28,7	31,8	34,9	38,0	41,1
	DM1220...55	27,1	30,2	33,3	36,4	39,5	42,6



10/1 **10/1 K** (L1, L2 = +1)

For notes on technical data and lifetime performance refer to "Technical Information".

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Specifications subject to change without notice.