

Spur Gearheads

0,03 Nm

For combination with (overview on page 14-15)
 DC-Micromotors:
 1516, 1524, 1624, 1717, 1724
 DC-Motor-Tacho Combinations:
 1841

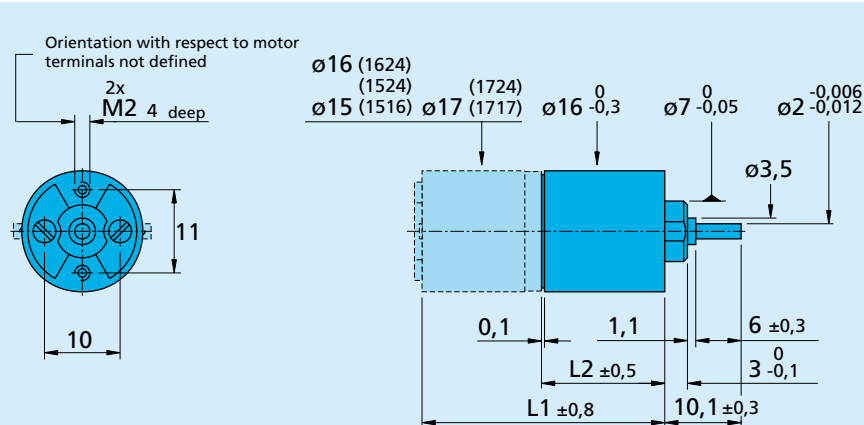
Series 16A

	16A	16AC	16AK
Housing material	plastic	plastic	plastic
Geartrain material	all metal	all metal	all metal
Recommended max. input speed for:			
– continuous operation	5 000 rpm	5 000 rpm	5 000 rpm
Backlash, at no-load	≤ 4°	≤ 4°	≤ 4°
Bearings on output shaft	sintered sleeve bearings	ceramic bearings	ball bearings
Shaft load, max.:			
– radial (5 mm from mounting face)	≤ 2 N	≤ 6 N	≤ 10 N
– axial	≤ 1 N	≤ 2 N	≤ 5 N
Shaft press fit force, max.	≤ 10 N	≤ 10 N	≤ 10 N
Shaft play:			
– radial (5 mm from mounting face)	≤ 0,05 mm	≤ 0,06 mm	≤ 0,04 mm
– axial	≤ 0,25 mm	≤ 0,25 mm	≤ 0,25 mm
Operating temperature range	– 30 ... + 65 °C	– 20 ... + 65 °C	– 30 ... + 65 °C

Specifications

reduction ratio (nominal)	weight without motor	length without motor	length with motor			output torque		direction of rotation (reversible)	efficiency
			1516 E	1717 E	1524 E 1624 E 1724 E	continuous operation	intermittent operation		
	g	L2 mm	L1 mm	L1 mm	L1 mm	M max. mNm	M max. mNm		%
11,9 :1	3	9,2	25,0	26,2	33,0	10	100	=	81
22 :1	4	11,0	26,8	28,0	34,8	10	100	≠	73
41 :1	4	11,0	26,8	28,0	34,8	20	100	≠	73
76 :1	4	12,8	28,6	29,8	36,6	20	100	=	66
141 :1	4	12,8	28,6	29,8	36,6	30	100	=	66
262 :1	5	14,5	30,3	31,5	38,3	30	100	≠	59
485 :1	5	14,5	30,3	31,5	38,3	30	100	≠	59
900 :1	5	16,3	32,1	33,3	40,1	30	100	=	53
1 670 :1	5	16,3	32,1	33,3	40,1	30	100	=	53
3 101 :1	5	18,0	33,8	35,0	41,8	30	50	≠	48
5 752 :1	6	18,0	33,8	35,0	41,8	30	50	≠	48

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



16A, 16AC, 16AK