

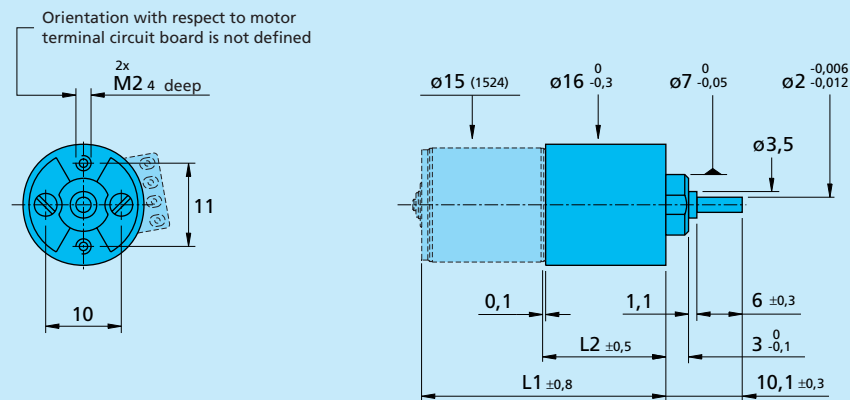
For combination with:
Stepper motor: AM 1524

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	5000 rpm	5000 rpm	5000 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 (on bearing output):			
– radial	≤ 0,03 mm	≤ 0,03 mm	≤ 0,03 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 g	length		output torque		direction of rotation (reversible)	efficiency %
		without motor L2 mm	with motor AM 1524 L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm		
11,8 :1	3	9,2	25,7	10	100	=	81
22 :1	4	11,0	27,5	10	100	≠	73
41 :1	4	11,0	27,5	20	100	≠	73
76 :1	4	12,8	29,3	20	100	=	66
141 :1	4	12,8	29,3	30	100	=	66
262 :1	5	14,5	31,0	30	100	≠	59
485 :1	5	14,5	31,0	30	100	≠	59
900 :1	5	16,3	32,8	30	100	=	53
1 670 :1	5	16,3	32,8	30	100	=	53
3 101 :1	5	18,0	34,5	30	50	≠	48
5 752 :1	6	18,0	34,5	30	50	≠	48



16A, 16AC, 16AK