

Planetary Gearheads

0,25 Nm

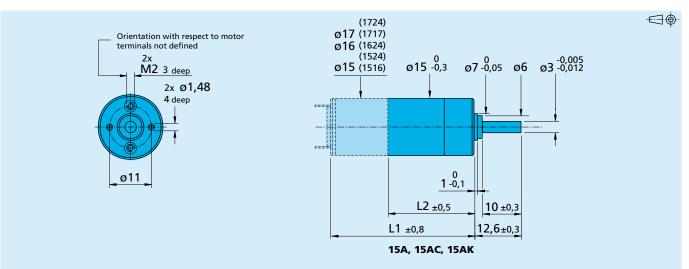
For combination with (overview on page 14-15) DC-Micromotors: 1516, 1524, 1624, 1717, 1724

Series 15A			
	15A	15AC	15AK
Housing material	plastic	plastic	plastic
Geartrain material	plastic	plastic	plastic
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) 	≤ 3 N	≤ 10 N	≤ 15 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)	≤ 0,06 mm	≤ 0,08 mm	≤ 0,06 mm
– axial	≤ 0,25 mm	≤ 0,25 mm	≤ 0,25 mm
Operating temperature range	– 30 + 65 °C	– 20 + 85 °C	– 30 + 85 °C

Specifications												
reduction ratio	motor	number	weight	length	length with motor		output torque continuous intermittent		direction	efficiency		
(nominal)	ordering	of gear	without	without	1516 SR	1524 SR	1717 SR	1724 SR	operation	operation	of rotation	
	code 1)	stages	motor	motor L2	L1	1624 R L1	L1	L1	M max.	M max.	(reversible)	
			g	mm	mm	mm	mm	mm	mNm	mNm		%
14 :1	В	2	5	18,4	33,5	41,5	34,7	41,7	100	200	=	78
19 :1	В	2	5	18,4	33,5	41,5	34,7	41,7	100	200	=	78
28 :1	Α	2	5	18,4	33,5	41,5	34,7	41,7	100	200	=	77
52 :1	В	3	5	22,0	37,1	45,1	38,3	45,3	100	200	=	68
69 :1	В	3	5	22,0	37,1	45,1	38,3	45,3	100	200	=	69
102 :1	Α	3	5	22,0	37,1	45,1	38,3	45,3	100	200	=	68
152 :1	Α	3	5	22,0	37,1	45,1	38,3	45,3	150	300	=	67
249 :1	В	4	6	25,6	40,7	48,7	41,9	48,9	200	400	=	62
369 :1	Α	4	6	25,6	40,7	48,7	41,9	48,9	200	400	=	61
546 :1	Α	4	6	25,6	40,7	48,7	41,9	48,9	200	400	=	60
809 :1	Α	4	6	25,6	40,7	48,7	41,9	48,9	200	400	=	59
896 :1	В	5	6	29,2	44,3	52,3	45,5	52,5	200	400	=	55
1 327 :1	Α	5	6	29,2	44,3	52,3	45,5	52,5	200	400	=	54
1 966 :1	Α	5	6	29,2	44,3	52,3	45,5	52,5	200	400	=	53
2 913 :1	Α	5	6	29,2	44,3	52,3	45,5	52,5	250	400	=	52
3 225 :1	В	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	49
4 315 :1	Α	5	6	29,2	44,3	52,3	45,5	52,5	250	400	=	51
4 778 :1	Α	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	48
7 078 :1	Α	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	47
10 486 :1	Α	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	46
15 534 :1	Α	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	46
23 014 :1	Α	6	7	32,8	47,9	55,9	49,1	56,1	250	400	=	45

Example of ordering information: 1516 B 012 SR + 15A 19:1 These gearheads are available only with motors mounted.

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



For details on technical information and lifetime performance refer to pages 104-108.

Edition 14.11.2007

Specifications subject to change without notice.