

Planetary Gearheads

0,3 Nm

For combination with (overview on page 14-15)
 DC-Micromotors:
 1516, 1524, 1624, 1717, 1724, 1727
 Brushless DC-Servomotors:
 1524, 1536, 1628
 DC-Motor-Tacho Combinations:
 1841

Series 16/7

	16/7
Housing material	metal
Geartrain material	all steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
Backlash, at no-load	≤ 1°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 30 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 5 N
Shaft play (on bearing output):	
– radial	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	– 30 ... + 100 °C

Specifications

reduction ratio (nominal)	weight without motor	length without motor	length with motor						output torque		direction of rotation (reversible)	efficiency	
			1516 T	1524 T 1624 T	1628 T	1717 T	1724 T	1727 U	continuous operation	intermittent operation			
	g	L2 mm	L1 mm	L1 mm	L1 mm	L1 mm	L1 mm	L1 mm	L1 mm	M max. mNm	M max. mNm		%
3,71 :1	18	17,0	32,8	40,8	45,0	34,0	41,0	44,2	200	300	=	90	
14 :1	23	21,2	36,9	44,9	49,1	38,1	45,1	48,3	300	450	=	80	
43 :1	28	25,3	41,1	49,1	53,3	42,3	49,3	52,5	300	450	=	70	
66 :1	28	25,3	41,1	49,1	53,3	42,3	49,3	52,5	300	450	=	70	
134 :1	33	29,4	45,2	53,2	57,4	46,4	53,4	56,6	300	450	=	60	
159 :1	33	29,4	45,2	53,2	57,4	46,4	53,4	56,6	300	450	=	60	
246 :1	33	29,4	45,2	53,2	57,4	46,4	53,4	56,6	300	450	=	60	
415 :1	38	33,5	49,3	57,3	61,5	50,5	57,5	60,7	300	450	=	55	
592 :1	38	33,5	49,3	57,3	61,5	50,5	57,5	60,7	300	450	=	55	
989 :1	38	33,5	49,3	57,3	61,5	50,5	57,5	60,7	300	450	=	55	
1 526 :1	38	33,5	49,3	57,3	61,5	50,5	57,5	60,7	300	450	=	55	
2 608 :1	43	37,6	53,4	61,4	65,6	54,6	61,6	64,8	300	450	=	50	
4 365 :1	43	37,6	53,4	61,4	65,6	54,6	61,6	64,8	300	450	=	50	
5 647 :1	43	37,6	53,4	61,4	65,6	54,6	61,6	64,8	300	450	=	50	

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

