

Planetary Gearheads

7 Nm

For combination with (overview on page 14-15)
 DC-Micromotors:
 3242, 3257, 3557
 Brushless DC-Servomotors:
 3564

Series 32/3

	32/3
Housing material	metal
Geartrain material	steel ¹⁾
Recommended max. input speed for:	
– continuous operation	4 000 rpm
Backlash, at no-load	≤ 1°
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 200 N
– axial	≤ 200 N
Shaft press fit force, max.	≤ 250 N
Shaft play (on bearing output):	
– radial	≤ 0,015 mm
– axial	≤ 0,15 mm
Operating temperature range	– 20 ... + 125 °C

Specifications

reduction ratio (nominal)	weight without motor g	length without motor L2 mm	length with motor			output torque		direction of rotation (reversible)	efficiency %
			3242 G L1 mm	3257 G 3557 K L1 mm	3564 K L1 mm	continuous operation M max. Nm	intermittent operation M max. Nm		
3,71:1	160	33,9	75,9	90,9	97,9	4,2	5,3	=	88
14 :1	190	41,6	83,6	98,6	105,6	0,4 (7)	0,6 (10)	=	80
23 :1 ²⁾	190	41,6	83,6	98,6	105,6	7	10	=	80
43 :1	230	49,4	91,4	106,4	113,4	1,4 (7)	1,9 (10)	=	70
66 :1	230	49,4	91,4	106,4	113,4	2,0 (7)	2,6 (10)	=	70
86 :1 ²⁾	230	49,4	91,4	106,4	113,4	7	10	=	70
134 :1	260	57,2	99,2	114,2	121,2	4,0 (7)	5,2 (10)	=	60
159 :1	260	57,2	99,2	114,2	121,2	4,9 (7)	6,5 (10)	=	60
246 :1	260	57,2	99,2	114,2	121,2	5,8 (7)	8,0 (10)	=	60
415 :1	290	65,0	107,0	122,0	129,0	7,0 (7)	10 (10)	=	55
592 :1	290	65,0	107,0	122,0	129,0	7,0 (7)	10 (10)	=	55
989 :1	290	65,0	107,0	122,0	129,0	7,0 (7)	10 (10)	=	55
1 526 :1	300	65,0	107,0	122,0	129,0	7,0 (7)	10 (10)	=	55

¹⁾ Gearheads with ratio ≥ 14:1 have plastic gears in the input stage. For extended life performance, the gearheads are available with all steel gears and heavy duty lubricant as type 32/3 S.
 The values for the torque rating indicated in parenthesis are for gearheads type 32/3 S with all steel gears.

²⁾ Gearheads with ratio 23:1 - 86:1 are available only as type 32/3 S.

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

