

Planetary Gearheads

3,5 Nm

For combination with (overview on page 14-15)
 DC-Micromotors:
 2342, 2642, 2657
 Brushless DC-Servomotors:
 2444

Series 26/1

	26/1
Housing material	inox steel
Geartrain material	steel ¹⁾
Recommended max. input speed for:	
– for continuous operation	4 000 rpm
Backlash, typical, at no-load	≤ 1°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.	
– radial (10 mm from mounting face)	≤ 150 N
– axial	≤ 100 N
Shaft press fit force, max.	≤ 150 N
Shaft play (on bearing output):	
– radial	≤ 0,015 mm
– axial	≤ 0,10 mm
Operating temperature range	– 30 ... + 100° C

Specifications

reduction ratio (nominal)	weight without motor	length without motor L2	length with motor			output torque		direction of rotation (reversible)	efficiency
			2444 S	2342 S	2657 W	continuous operation	intermittent operation		
	g	mm	L1 mm	L1 mm	L1 mm	M max. Nm	M max. Nm		%
3,71 :1	93	28,4	72,4	70,4	85,4	1,1	2,3	=	88
14 :1	116	36,4	80,4	78,4	93,4	0,3 (3,5)	0,4 (4,5)	=	80
43 :1	139	44,4	88,4	86,4	101,4	1,0 (3,5)	1,2 (4,5)	=	70
66 :1	139	44,4	88,4	86,4	101,4	1,5 (3,5)	1,8 (4,5)	=	70
134 :1	162	52,5	96,4	94,5	109,5	2,5 (3,5)	3,5 (4,5)	=	60
159 :1	162	52,5	96,4	94,5	109,5	3,5 (3,5)	4,5 (4,5)	=	60
246 :1	162	52,5	96,4	94,5	109,5	3,5 (3,5)	4,5 (4,5)	=	60
415 :1	185	60,5	104,4	102,5	117,5	3,5 (3,5)	4,5 (4,5)	=	55
592 :1	185	60,5	104,4	102,5	117,5	3,5 (3,5)	4,5 (4,5)	=	55
989 :1	185	60,5	104,4	102,5	117,5	3,5 (3,5)	4,5 (4,5)	=	55
1 526 :1	185	60,5	104,4	102,5	117,5	3,5 (3,5)	4,5 (4,5)	=	55

¹⁾ Gearheads with ratio ≥ 14:1 have plastic gears in the input stage. The values for the torque rating indicated in parenthesis, are for gearheads, type 26/1 S with all steel gears.
 For extended life performance, the gearheads are available with all steel gears and heavy duty lubricant as type 26/1 S.

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

