

Hybrid Gearheads

0,2 Nm

For combination with
 DC-Micromotors:
 1516, 1524
 Brushless DC-Servomotors:
 1524 BSL, 1536 BSL

Series 15/4

		15/4
Housing material		plastic
Geartrain material		metal/plastic
Recommended max. input speed for:		
– continuous operation		5 000 rpm
Backlash, at no-load		≤ 3°
Bearings on output shaft		preloaded ball bearings
Shaft load, max.:		
– radial (4,7 mm from mounting face)		≤ 10 N
– axial		≤ 5 N
Shaft press fit force, max.		≤ 30 N
Shaft play:		
– radial (4,7 mm from mounting face)		≤ 0,02 mm
– axial		= 0 mm
Operating temperature range		– 30 ... + 85 °C

Specifications

reduction ratio (nominal)	weight without motor	length without motor	length with motor				output torque		direction of rotation (reversible)	efficiency
							continuous operation	intermittent operation		
			1516 E	1524 E	1524 BSL	1536 BSL	M max. mNm	M max. mNm		
	g	L2 mm	L1 mm	L1 mm	L1 mm	L1 mm			%	
12,3 :1	10	47,4	47,4	50,5	55,8	68,2	200	300	≠	80
22,8 :1	10	47,4	47,4	51,8	55,8	68,2	200	300	=	75
42,3 :1	11	47,4	47,4	55,2	55,8	68,2	200	300	≠	70
78,5 :1	11	47,4	47,4	55,2	55,8	68,2	200	300	≠	70
146 :1	12	47,4	50,6	58,6	59,0	71,4	200	300	=	65
270 :1	12	47,4	50,6	58,6	59,0	71,4	200	300	=	65
502 :1	13	47,4	52,7	60,7	61,2	73,5	200	300	≠	60
931 :1	13	47,4	52,7	60,7	61,2	73,5	200	300	≠	60
1 730 :1	14	47,4	54,8	62,8	63,2	75,6	200	300	=	55
3 208 :1	14	47,4	54,8	62,8	63,2	75,6	200	300	=	55

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

