

Spur Gearheads

0,1 Nm

Zero Backlash

For combination with:
Stepper motor: AM 1524

Series 15/8

	15/8
Housing material	metal
Geartrain material	all steel
Recommended max. input speed for:	
– continuous operation	5000 rpm
Backlash, (preloaded) ¹⁾	0°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 25 N
– axial	≤ 5 N ²⁾
Shaft press fit force, max.	≤ 5 N ²⁾
Shaft play (on bearing output):	
– radial	≤ 0,02 mm
– axial	= 0 mm ²⁾
Operating temperature range	– 30 ... + 100 °C

Specifications

reduction ratio (nominal)	weight without motor g	length		output torque		direction of rotation (reversible)	efficiency %
		without motor L2 mm	with motor AM 1524 L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm		
22 : 1	21	29,9	33,8	60	150	≠	61
41 : 1	21	29,9	33,8	60	150	≠	61
76 : 1	24	32,0	35,9	100	300	=	51
141 : 1	24	32,0	35,9	100	150	=	51
262 : 1	26	34,1	38,0	100	300	≠	43
485 : 1	26	34,1	38,0	100	150	≠	43
900 : 1	28	36,2	40,1	100	300	=	37
1 670 : 1	28	36,2	40,1	100	150	=	37

¹⁾ These gearheads are available preloaded to zero backlash only with motors mounted.

²⁾ Limited by the preloaded ball bearings. A higher axial load negates the preload.

