

# Spur Gearheads

## 15 mNm

For combination with  
 DC-Micromotors:  
 0816  
 Stepper Motors:  
 AM0820

### Series 08/2

	08/2	08/2 K
Housing material	metal	metal
Geartrain material	metal	metal
Recommended max. input speed for:		
– continuous operation	8 000 rpm	8 000 rpm
Backlash, at no-load	≤ 5°	≤ 5°
Bearings on output shaft	sintered sleeve bearings	ball bearings
Shaft load, max.:		
– radial (4,5 mm from mounting face)	≤ 0,8 N	≤ 5 N
– axial	≤ 1 N	≤ 3 N
Shaft press fit force, max.	≤ 5 N	≤ 5 N
Shaft play:		
– radial (4,5 mm from mounting face)	≤ 0,04 mm	≤ 0,06 mm
– axial	≤ 0,10 mm	≤ 0,05 mm
Operating temperature range	– 30 ... + 100 °C	– 30 ... + 100 °C

### Specifications

reduction ratio (nominal)	weight without motor	length without motor L2 mm	length with motor		output torque		direction of rotation (reversible)	efficiency %
			0816 D L1 mm	AM0820 L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm		
4 :1	3,2	12,0	28,0	25,8	15	25	=	94
9,4 :1	3,4	13,4	29,4	27,2	15	25	≠	90
21,9 :1	3,6	15,2	31,2	29,0	15	25	=	86
51,2 :1	3,8	17,0	33,0	30,8	15	25	≠	81
120 :1	4,0	18,8	34,8	32,6	15	25	=	77
279 :1	4,2	20,6	36,6	34,4	15	25	≠	74
650 :1	4,4	22,4	38,4	36,2	15	25	=	70
1 518 :1	4,6	24,2	40,2	38,0	15	25	≠	66

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

M 1:1

