

Spur Gearheads

15 mNm

For combination with
DC-Micromotors
Stepper Motors

Series 08/2

	08/2	08/2K
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 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	≤ 0,1 mm	≤ 0,05 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Specifications

	2	3	4	5	6	7	8	9
Number of gear stages								
Continuous torque	mNm 15	15	15	15	15	15	15	15
Intermittent torque	mNm 25	25	25	25	25	25	25	25
Weight without motor, ca.	g 3,2	3,4	3,6	3,8	4	4,2	4,4	4,6
Efficiency, max.	% 94	90	86	81	77	74	70	66
Direction of rotation, drive to output	=	≠	=	≠	=	≠	=	≠
Reduction ratio ¹⁾ (rounded)	4:1	9,4:1	21,9:1	51,2:1	120:1	279:1	650:1	1 518:1
L2 [mm] = length without motor	12,0	13,4	15,2	17,0	18,8	20,6	22,4	24,2
L1 [mm] = length with motor	0816D...S 28,0	29,4	31,2	33,0	34,8	36,6	38,4	40,2
	AM0820...-12 25,8	27,2	29,0	30,8	32,6	34,4	36,2	38,0

¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.

