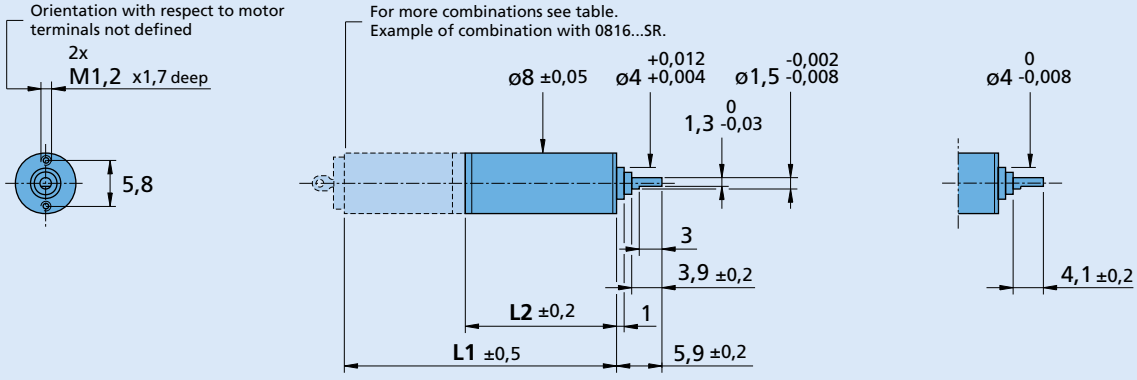
Spur Gearheads

Series 08/2

	08/2	08/2K
Housing material	metal	metal
Geartrain material	metal	metal
Recommended max. input speed for:		
– continuous operation	8 000 min^{-1}	8 000 min^{-1}
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)	≤ 0,06 mm	≤ 0,06 mm
– axial	≤ 0,1 mm	≤ 0,05 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Technical data									
Number of gear stages		**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Continuous torque	mNm	15	15	15	15	15	15	15	15
Intermittent torque	mNm	25	25	25	25	25	25	25	25
Mass 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...SR	27,9	29,3	31,1	32,9	34,7	36,5	38,3	40,1
	0824D...B	36,1	37,5	39,3	41,1	42,9	44,7	46,5	48,3
	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.



08/2 **08/2 K**

For notes on technical data and lifetime performance refer to “Technical Information”.

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