Spur Gearheads

Zero Backlash

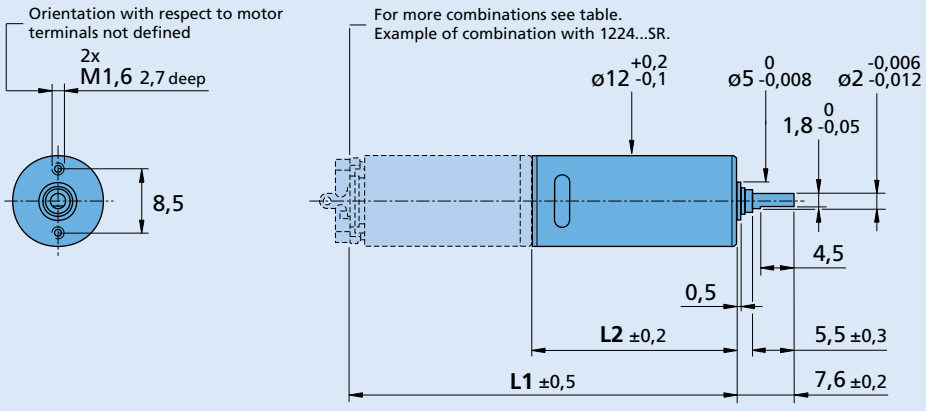
Series 12/5

	12/5
Housing material	metal
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	5 000 min^{-1}
Backlash, at no-load	0 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (4,5 mm from mounting face)	≤ 5 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 10 N
Shaft play:	
– radial (4,5 mm from mounting face)	≤ 0,04 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

Technical data							
Number of gear stages			**5**	**6**	**7**	**8**	**9**
Continuous torque		mNm	30	30	30	30	30
Intermittent torque		mNm	100	100	100	100	100
Mass without motor, ca.		g	11	12	13	14	15
Efficiency, max.			-	-	-	-	-
Direction of rotation, drive to output			≠	=	≠	=	≠
Reduction ratio [1] (rounded)			**69,2:1**	**161:1**	**377:1**	**879:1**	**2 050:1**
L2 [mm] = length without motor			18,7	20,8	22,9	25,0	27,1
L1 [mm] = length with motor	1016E...SR		34,6	36,7	38,8	40,9	43,0
	1024E...SR		42,6	44,7	46,8	48,9	51,0
	1218E...SXR		37,4	39,5	41,6	43,7	45,8
	1224E...SR		42,9	45,0	47,1	49,2	51,3
	1228E...SXR		47,4	49,5	51,6	53,7	55,8
	1028E...B		46,8	48,9	51,0	53,1	55,2
	1218E...B		36,7	38,8	40,9	43,0	45,1
	1226E...B		44,7	46,8	48,9	51,0	53,1
	AM1020...10		34,6	36,7	38,8	40,9	43,0
	DM1220...57		36,3	38,4	40,5	42,6	44,7

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

Note: These gearheads are available only with motors mounted.
for combination with 1218E...SXR and 1228E...SXR the option K4586 is required.



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