

# Spur Gearheads

## Zero Backlash

# 0,1 Nm

For combination with  
DC-Micromotors  
Brushless DC-Motors  
Stepper Motors

## Series 22/5

	22/5
Housing material	metal
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	4 000 rpm
Backlash, at no-load	0 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (6 mm from mounting face)	≤ 100 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 5 N
Shaft play	
– radial (6 mm from mounting face)	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

### Specifications

	5	6	7	8	9
Number of gear stages					
Continuous torque	mNm 100	100	100	100	100
Intermittent torque	mNm 400	400	400	400	400
Weight without motor, ca.	g 80	85	90	95	105
Efficiency, max.	-	-	-	-	-
Direction of rotation, drive to output	≠	=	≠	=	≠
Reduction ratio <sup>1)</sup> (rounded)	69,2:1	161:1	377:1	879:1	2 050:1
L2 [mm] = length without motor	50,9	54,6	59,5	63,2	68,1
L1 [mm] = length with motor	2224R...SR 57,8	2230F/R...S 61,6	2232U...SR 66,5	2233F/R...S 70,3	2232U...BSL 75,2
	2230F/R...S 63,6	2232U...SR 67,4	2233F/R...S 72,3	2232U...BSL 76,1	AM2224...-14 81,0
	2232U...SR 65,8	2233F/R...S 69,6	2232U...BSL 74,5	AM2224...-14 78,3	
	2233F/R...S 66,2	AM2224...-14 70,0			
	2232U...BSL 69,7				
	2248U...BSL 85,3				
	AM2224...-14 61,4				

<sup>1)</sup> The reduction ratios are rounded, the exact values are available on request or at [www.faulhaber.com](http://www.faulhaber.com).

**Note:** These gearheads are available only with motors mounted.

