Planetary Gearheads

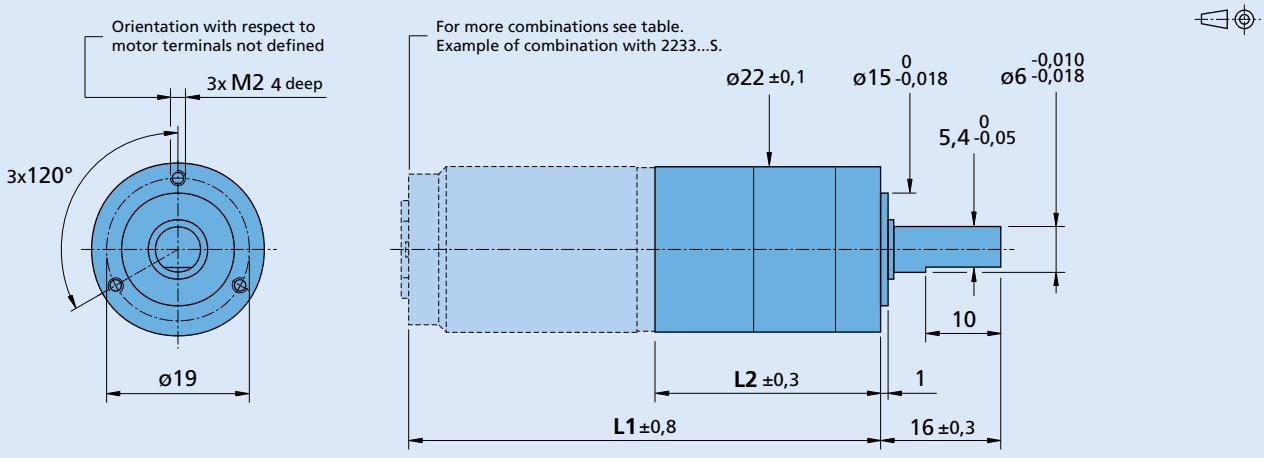
Series 22/7

	22/7
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	4 000 min^{-1}
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 170 N
– axial	≤ 150 N
Shaft press fit force, max.	≤ 150 N
Shaft play:	
– radial (10 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,1 mm
Operating temperature range	- 30 ... + 100 °C

Technical data							
Number of gear stages			**1**	**2**	**3**	**4**	**5**
Continuous torque		mNm	200	300	700	700	700
Intermittent torque		mNm	400	600	1 000	1 000	1 000
Mass without motor, ca.		g	68	63	76	88	102
Efficiency, max.		%	88	80	70	60	55
Direction of rotation, drive to output			=	=	=	=	=
Reduction ratio [1] (rounded)			**3,71:1**	**9,7:1** **14:1**	**43:1** **66:1**	**94:1** **112:1** **134:1** **159:1** **190:1** **246:1**	**415:1** **592:1** **989:1** **1 526:1**
L2 [mm] = length without motor [2]			27,9	34,1	40,3	46,4	52,6
L1 [mm] = length with motor	2224U...SR		48,2	54,4	60,6	66,7	72,9
	2230U...S		54,0	60,2	66,4	72,5	78,7
	2232U...SR		56,2	62,4	68,6	74,7	80,9
	2233U...S		56,6	62,8	69,0	75,1	81,3
	2237S...CXR		64,9	71,1	77,3	83,4	89,6
	2342S...CR		69,9	76,1	82,3	88,4	94,6
	2232S...BX4		61,7	67,9	74,1	80,2	86,4
	2250S...BX4		79,7	85,9	92,1	98,2	104,4
	2444S...B		71,9	78,1	84,3	90,4	96,6
	AM2224...10		51,7	57,9	64,1	70,2	76,4

[1] The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.
[2] L2 - 3,9 mm, in combination with 2224U...SR, 2230U...S, 2232U...SR, 2233U...S and AM2224.

Note: Reduction ratio 3,71:1 with motor types 2224U...SR, 2230U...S, 2232U...SR, 2233U...S and AM2224 shall be ordered as 22/7 3,71:1 - K288.



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Specifications subject to change without notice.