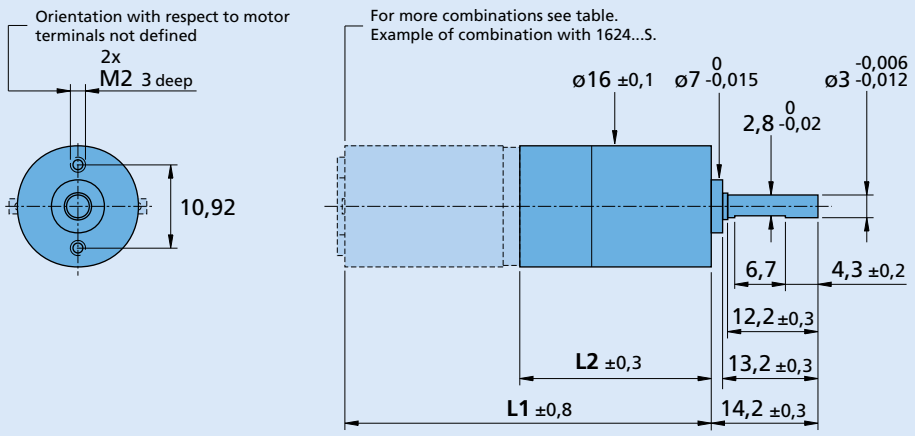
Planetary Gearheads

Series 16/7

	16/7
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	5 000 min^{-1}
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 30 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 25 N
Shaft play:	
– radial (6,5 mm from mounting face)	≤ 0,03 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

Technical data							
Number of gear stages		1	2	3	4	5	6
Continuous torque	mNm	200	300	300	300	300	300
Intermittent torque	mNm	300	450	450	450	450	450
Mass without motor, ca.	g	18	23	28	33	38	43
Efficiency, max.	%	90	80	70	60	55	50
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**	**2 608:1** **4 365:1** **5 647:1**
L2 [mm] = length without motor		17,0	21,2	25,3	29,4	33,5	37,6
L1 [mm] = length with motor	1516T...SR	32,8	37,0	41,1	45,2	49,3	53,4
	1524T...SR	40,8	45,0	49,1	53,2	57,3	61,4
	1624T...S	40,8	45,0	49,1	53,2	57,3	61,4
	1717T...SR	34,0	38,2	42,3	46,4	50,5	54,6
	1724T...SR	41,0	45,2	49,3	53,4	57,5	61,6
	1727U...CXR	44,2	48,4	52,5	56,6	60,7	64,8
	1741U...CXR	58,2	62,4	66,5	70,6	74,7	78,8
	1628T...B	45,0	49,2	53,3	57,4	61,5	65,6
	AM1524...55	33,4	37,6	41,7	45,8	49,9	54,0

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



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Specifications subject to change without notice.