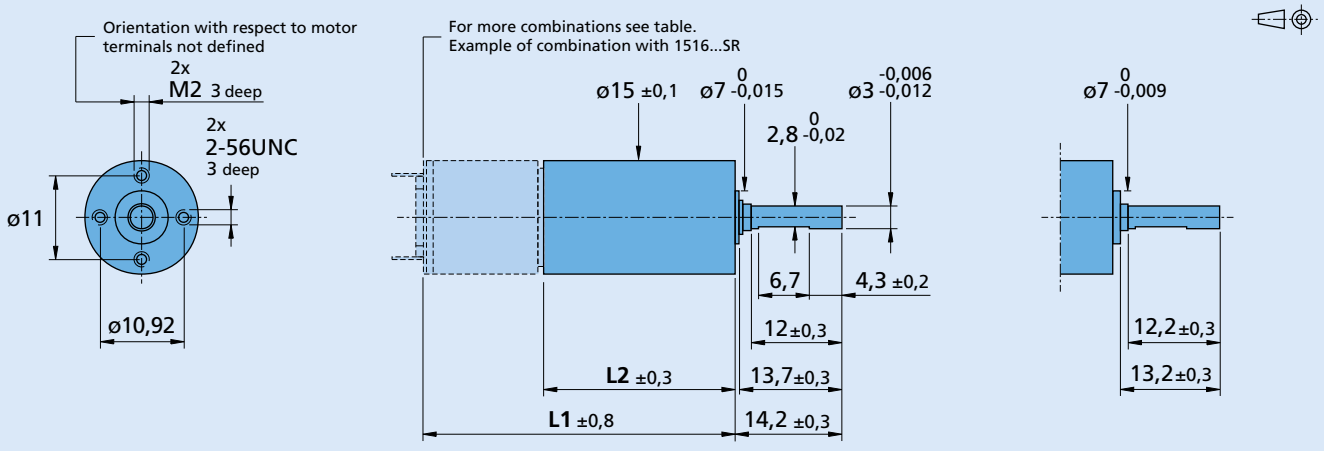
Planetary Gearheads

Series 15/10

	15/10	15/10K
Housing material	stainless steel	stainless steel
Geartrain material	steel	steel
Recommended max. input speed for:		
– continuous operation	6 000 min^{-1}	6 000 min^{-1}
Backlash, at no-load	≤ 1,5 °	≤ 1,5 °
Bearings on output shaft	sintered bearings	ball bearings, preloaded
Shaft load, max.:		
– radial (6,5 mm from mounting face)	≤ 4 N	≤ 30 N
– axial	≤ 3 N	≤ 5 N
Shaft press fit force, max.	≤ 100 N	≤ 25 N
Shaft play:		
– radial (6,5 mm from mounting face)	≤ 0,05 mm	≤ 0,03 mm
– axial	≤ 0,1 mm	= 0 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Technical data							
Number of gear stages			1	2	3	4	5
Continuous torque		mNm	350	350	350	350	350
Intermittent torque		mNm	500	500	500	500	500
Mass without motor, ca.		g	19	23	27	31	35
Efficiency, max.		%	90	80	70	60	50
Direction of rotation, drive to output			=	=	=	=	=
Reduction ratio [1] (rounded)			**3,33:1** **4,5:1**	**11:1** **15:1** **20:1**	**37:1** **44:1** **50:1** **68:1** **81:1** **91:1**	**123:1** **148:1** **167:1** **178:1** **200:1** **240:1** **270:1** **304:1** **365:1**	**412:1** **494:1** **593:1** **667:1** **750:1** **800:1** **900:1** **1 013:1** **1 367:1**
L2 [mm] = length without motor			17,1	21,3	25,4	29,5	33,6
L1 [mm] = length with motor	1516T...SR		32,9	37,1	41,2	45,3	49,4
	1524T...SR		40,9	45,1	49,2	53,3	57,4
	1624T...S		40,9	45,1	49,2	53,3	57,4
	1717T...SR		34,1	38,3	42,4	46,5	50,6
	1724T...SR		41,1	45,3	49,4	53,5	57,6
	1727U...CXR		44,3	48,5	52,6	56,7	60,8
	1741U...CXR		58,3	62,5	66,6	70,7	74,8
	1628T...B		45,1	49,3	53,4	57,5	61,6
	1645U...BHS		62,4	66,6	70,7	74,8	78,9
	1660U...BHS/BHT		77,4	81,6	85,7	89,8	93,9
	AM1524...55		33,5	37,7	41,8	45,9	50,0

[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.