Planetary Gearheads

10 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

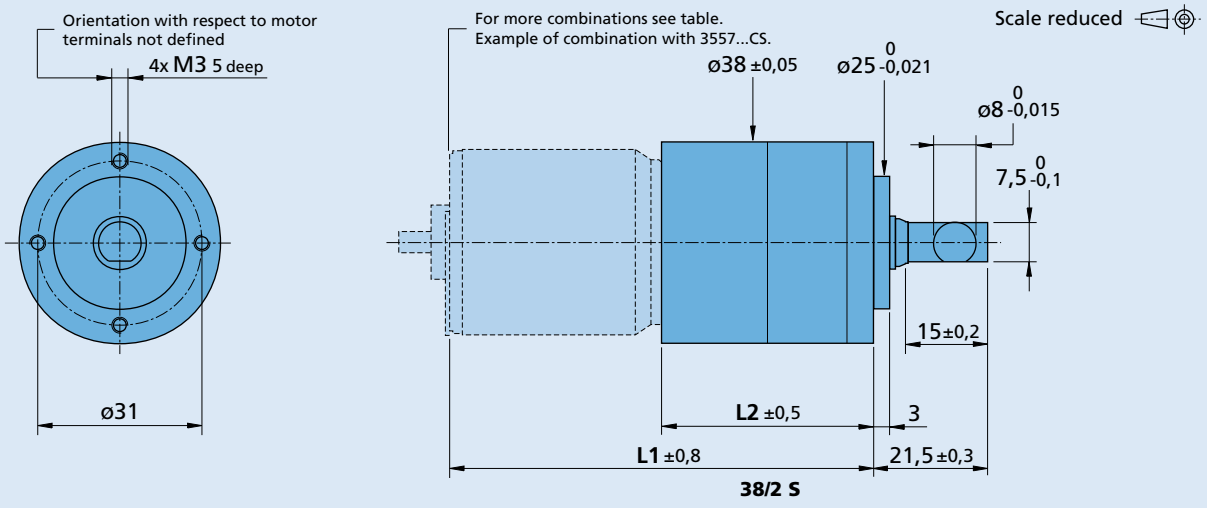
Series 38/2 S

	38/2 S
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	4 000 rpm
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 300 N
– axial	≤ 300 N
Shaft press fit force, max.	≤ 350 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,15 mm
Operating temperature range	- 20 ... + 125 °C

Specifications						
Number of gear stages			**2**	**3**	**4**	**5**
Continuous torque		Nm	10	10	10	10
Intermittent torque		Nm	15	15	15	15
Weight without motor, ca.		g	195	245	296	348
Efficiency, max.		%	80	70	60	55
Direction of rotation, drive to output			=	=	=	=
Reduction ratio [1] (rounded)			**14:1**	**43:1** **66:1**	**134:1** **159:1** **246:1**	**415:1** **592:1** **989:1** **1 526:1**
L2 [mm] = length without motor [2]			40,1	47,9	55,7	63,5
L1 [mm] = length with motor	3242G...CR		82,1	89,9	97,7	105,5
	3257G...CR		97,1	104,9	112,7	120,5
	3557K...CS		97,1	104,9	112,7	120,5
	3863A...C		99,1	106,9	114,7	122,5
	3056K...B		96,1	103,9	111,7	119,5
	3242G...BX4		84,3	92,1	99,9	107,7
	3268G...BX4		110,3	118,1	125,9	133,7
	3564K...B		104,1	111,9	119,7	127,5

[1] The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.
[2] L2 - 5 mm, in combination with 3863A...C.

Note: The gearheads as S-type have all steel gears and heavy duty lubricant for extended lifetime performance.



For notes on technical data and lifetime performance refer to "Technical Information".
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Specifications subject to change without notice.
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