

Planetary Gearheads

10 Nm

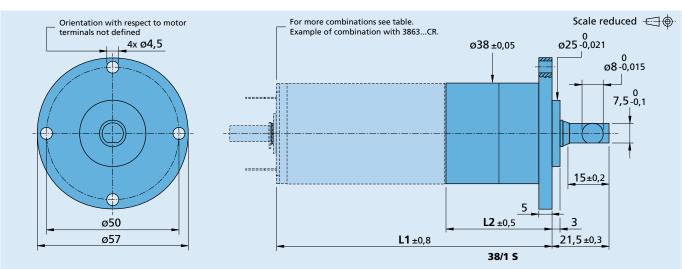
For combination with **DC-Micromotors Brushless DC-Motors**

Series 38/1 S

	38/1 S
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)	≤ 300 N
– axial	≤ 300 N
Shaft press fit force, max.	≤ 350 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,2 mm
Operating temperature range	- 20 + 125 °C

Technical data					
Number of gear stages		2	3	4	5
Continuous torque	Nm	10	10	10	10
Intermittent torque	Nm	15	15	15	15
Mass without motor, ca.	g	215	268	320	375
Efficiency, max.	%	80	70	60	55
Direction of rotation, drive to o	output	=	=	=	=
	·				
Reduction ratio 1)		14:1	43:1	134:1	415:1
(rounded)			66:1	159:1	592:1
				246:1	989:1
					1 526:1
	2)				
L2 [mm] = length without moto		40,1	47,9	55,7	63,5
L1 [mm] = length with motor		81,3	89,1	96,9	104,7
	3257GCR	96,3	104,1	111,9	119,7
	3272GCR	111,3	119,1	126,9	134,7
	3863ACR	99,1	106,9	114,7	122,5
	3890ACR	125,1	132,9	140,7	148,5
	3056KB	96,1	103,9	111,7	119,5
	3242GBX4	83,5	91,3	99,1	106,9
	3268GBX4	109,5	117,3	125,1	132,9
	3274GBP4 3564KB	113,3	121,1	128,9	136,7
	4221GBXTH	104,1	111,9	119,7	127,5
	4221GBXTR	61,3 60,5	69,1 68,3	76,9 76,1	84,7 83,9
	+221GBAIR	00,5	00,5	70,1	03,9

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



¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.
²⁾ L2 - 0,8 mm, in combination with 3242G...CR, 3257G...CR, 3272G...CR, 3242G...BX4, 3268G...BX4, 3274G...BP4 and 4221G...BXT R/H. L2 - 5 mm, in combination with 3863A...CR and 3890A...CR.