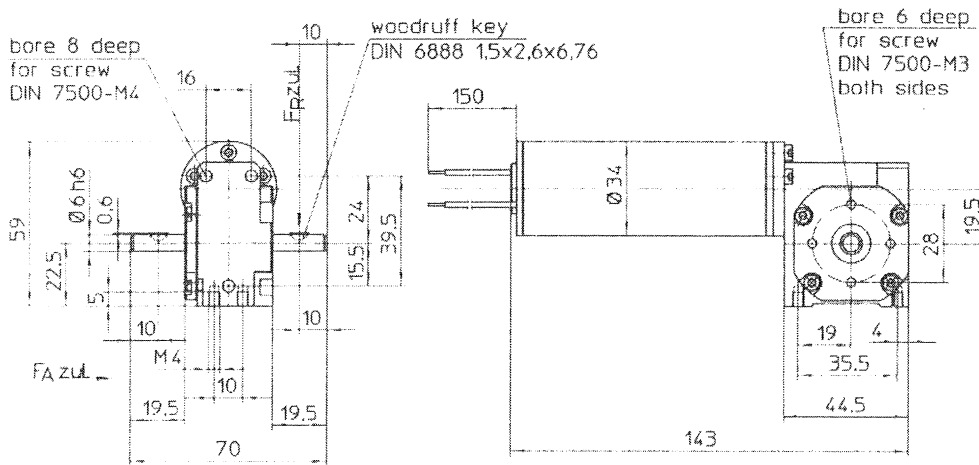


## GNM 2145 - G 1.3

DC  
Geared Motors  
with permanent magnet

Motor series GNM 2145  
Worm gear series G 1.3  
up to 2 Nm



type	GNM 2145 <input checked="" type="checkbox"/> 1.3
series	C
operation at <input type="checkbox"/> standards <input checked="" type="checkbox"/> 530	<input checked="" type="checkbox"/>
isolation at <input type="checkbox"/> standards <input checked="" type="checkbox"/> 530	<input type="checkbox"/>
protection at <input type="checkbox"/> standards <input checked="" type="checkbox"/> 530	<input checked="" type="checkbox"/> 1
load of <input type="checkbox"/> hnef <input checked="" type="checkbox"/> hnef	<input checked="" type="checkbox"/> leads
rotating direction	revers <input checked="" type="checkbox"/>
bearing (motor) <input type="checkbox"/>	ali bearing <input checked="" type="checkbox"/>
bearing (gear) <input checked="" type="checkbox"/>	ali bearing <input checked="" type="checkbox"/>
gear <input checked="" type="checkbox"/>	not sel <input checked="" type="checkbox"/> low noise

Motor design:  
Worm pinned in the motor shaft  leads.  
 hot mounting with 4 threads  see drawing  
 rotating direction   
 the rotating direction  an  changed  by inverting the connections.  
 der example

Motor  gear

GNM 2145C  1.3

24  100 rpm  300

special designs on request

MICROMO.COM

ENGEL GNM 2145 - G 1.3 24VDC 261 RPM

GNM 2145C - G1.3

	1 nominal torque	2 nominal speed	3 nominal torque	4 starting torque	5 nominal torque at laboratory current	nominal power	nominal current	nominal current at laboratory current	gear current	10 power gear	11 nominal speed gear	12 ratio gear	13 efficiency gear	14 max power	15 max light torque	16 max starting torque	17 total weight motor	18 max. radial shaft load	19 max. axial shaft load
	rpm	Nm	Nm	Nm	W				W	rpm	i			W	Nm	Nm	g	N	N
12	32	0.15	0.15	0.15	13	2.2	1.6	15	1	1000	11.4	11	1	0.20	2.0	0.52	30	12	
24						1.5	0.15	10											
12	522	0.25	1.3	0.15	12	2.2	1.6	15	1	1000	11.4	11	1	0.30	2.0	0.52	30	12	
24						1.2	0.15	10											
12	400	0.3	1.1	0.15	12	2.2	1.6	15	1	1000	15	11	15	0.25	2.0	0.52	30	12	
24						1.2	0.15	10											
12	250	0.4	2.0	0.25	11	2.2	1.6	11	1	1000	23	11	14	0.50	2.0	0.52	30	12	
24	261	0.41				1.2	0.15	5.15A		6000									
12	200	0.50	2.0	0.25	11	2.2	1.6	11	1	1000	30	11	12	0.55	2.0	0.52	30	12	
24						1.2	0.15	4.1											
12	150	0.59	1.2	0.35	10	2.2	1.6	4.5	1	1000	3	11	11	0.48	1.2	0.52	30	12	
24						1.2	0.15	2.3											

Tolerances: ± 10%

Columns 3 and 13

Values are valid at operating temperature after run-in period.

Columns 5 and 13

Current values should not exceeded during operation with laboratory current single way rotation with harmonic portion at 0.5%

Columns 4 and 13

Values correspond with the gear load limitations. At high gear ratios the allowed currents may be lower than the motor's rated current. Please the current has to be limited (e.g. through adjusting the speed controller)

Columns 14, 16 and 17

Max. axial gear load do not exceed the mentioned values. At oscillating operation the mentioned limitations must be multiplied by 0.5.

middle of the shaft extension

motor current must be limited to allowed values of the mentioned table