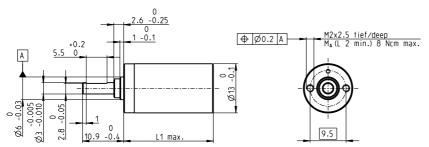
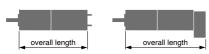
## Planetary Gearhead GP 13 A Ø13 mm, 0.2-0.35 Nm



Technical Data								
Planetary Gearhead	s	straight teeth						
Output shaft	ss ste	s steel, hardened						
Bearing at output	sle	sleeve bearing						
Radial play, 6 mm from t	max	max. 0.055 mm						
Axial play	0.	0.02-0.10 mm						
Max. axial load (dynamic		8 N						
Max. force for press fits		100 N						
Direction of rotation, dri	ut	=						
Max. continuous input s		8000 rpm						
Recommended temper	atur	e range	е -	40+1	00°C			
Number of stages	1	2	3	4	5			
Max. radial load, 6 mm								
from flange 8	N	12 N	16 N	20 N	20 N			

M 1:1

	Stock program Standard program		Part Numbers						
	Special program (on request)	110313	110314	110315	110316	110317			
Gea	rhead Data								
1	Reduction		4.1:1	17:1	67:1	275:1	1119:1		
2	Absolute reduction		<sup>57</sup> / <sub>14</sub>	3249/196	185193/2744	10556001/38416	601692057/537824		
3	Max. motor shaft diameter	mm	1.5	1.5	1.5	1.5	1.5		
	Part Numbers		352365	352366	352367	352368	352369		
1	Reduction		5.1:1	26:1	131:1	664:1	3373:1		
2	Absolute reduction		<sup>66</sup> / <sub>13</sub>	4356/169	287496/2197	18974736/28561	1252332576/371293		
_3	Max. motor shaft diameter	mm	1.5	1.5	1.5	1.5	1.5		
4	Number of stages		1	2	3	4	5		
5	Max. continuous torque	Nm	0.20	0.20	0.30	0.30	0.35		
6	Max. intermittent torque at gear output	Nm	0.30	0.30	0.45	0.45	0.53		
7	Max. efficiency	%	91	83	75	69	62		
8	Weight	g	11	14	17	20	23		
9	Average backlash no load	0	1.0	1.2	1.5	1.8	2.0		
10	Mass inertia	gcm <sup>2</sup>	0.025	0.015	0.015	0.015	0.015		
11	Gearhead length L1* *for A-max 12 is L1 + 0.3 mm	mm	16.0	19.9	23.7	27.6	31.4		



+ Motor	Page	+ Sensor/Brake	Page	Overall length	<b>th [mm] = M</b> ot	tor length + ge	earhead lengt	h + (sensor/br	ake) + assem	bly parts	
RE 13	124/126			35.4	39.3	43.1	47.0	50.8			
RE 13, 0.75 W	126	MR	472-474	42.5	46.4	50.2	54.1	57.9			
RE 13	128/130			47.6	51.5	55.3	59.2	63.0			
RE 13, 2 W	130	MR	472-474	54.7	58.6	62.4	66.3	70.1			
RE 13, 1.5 W	132/134			38.5	42.4	46.2	50.1	53.9			
RE 13, 1.5 W	134	MR	472-474	44.6	48.5	52.3	56.2	60.0			
RE 13, 3 W	136/138			50.7	54.6	58.4	62.3	66.1			
RE 13, 3 W	138	MR	472-474	56.8	60.7	64.5	68.4	72.2			
A-max 12	157/158			37.6	41.5	45.3	49.2	53.0			
A-max 12, 0.5 W	158	MR	472-474	41.7	45.6	49.4	53.3	57.1			

Option Ball Bearing	Part Number	'S			Technical Data				
2,6 -0,45	4.1:1 5.1:1 17:1 26:1 67:1	144300 352391 144301 352392 144302	131:1 275:1 664:1 1119:1 3373:1	352393 144303 352394 144304 352395	Planetary Gearhead straight teeth Output shaft stainless steel, hardened Bearing at output preloaded ball bearings Radial play, 6 mm from flange max. 0.04 mm Axial play at axial load < 5 N 0 mm > 5 N max. 0.04 mm Max. axial load (dynamic) 8 N Max. force for press fits 25 N Direction of rotation, drive to output max. continuous input speed me. 40+100°C				
Gearhead length: L1 + 0.2 mm					Number of stages 1 2 3 4 5 Max. radial load, 6 mm from flange 10 N 15 N 20 N 25 N 25 N Gearhead values according to sleeve bearing version				