

## ALG006PLG SERIES

## PLANETARY GEARBOXES

**Planetary Gearboxes PLG****PLG 32**

The planet gears of the first reduction stage are plastic, the planet gears of the second and third stages are metal.

**PLG 42 K**

The planet gears of all reduction stages are plastic. This gearbox is only available for projects.

**PLG 42 S**

The planet gears of the first reduction stage are plastic in two and threestage gearboxes, the ring gear and planet gears of the second and third stages are metal.

**PLG 52**

The planet gears of the first reduction stage are plastic, the planet gears of the second and third stages are metal. Special versions are available with a welded shaft.

**PLG 52 H**

The planet gears of the first reduction stage are plastic helical spur gears for especially quiet running. Both plastic and metal versions are possible. Versions with the gear in one piece with its shaft (marked yellow in the table) are only available on request.

**PLG 60**

The planet gears of the first reduction stage are helical spur gears for especially quiet running. The plastic planet gears run in an aluminum ring gear.

**PLG 70**

The planet gears of the first reduction stage are plastic; the planet gears of the second and third stages are metal.

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PLG32.0										
Reduction ratio		4,5	6,25	20,25	36	50	91,12	162	288	400
Efficiency		0,9			0,81			0,73		
Number of stages		1			2			3		
Continuous torque	(Ncm)	40			150			400		
Weight of gearbox	(kg)	0.14			0.18			0.23		
Axial load Radial load	(N)	30/100			30/100			30/100		

PLG42S																			
Reduction ratio		4	6,25	8	16	25	32	50	64	100	128	156	200	256	312,5	400	512		
Efficiency		0,8			0,75						0,7								
Number of stages		1			2						3								
Continuous torque	(Ncm)	90			600						1400								
Weight of gearbox	(kg)	0.27			0.37						0.47								
Axial load Radial load	(N)	150/200			150/200						150/200								

PLG52.0																			
Reduction ratio		4,5	6,25	8	15	20,25	28,12	36	50	64	91,12	126,56	162	225	228	400	512		
Efficiency		0,9			0,81						0,73								
Number of stages		1			1						3								
Continuous torque	(Ncm)	120			800						2400								
Weight of gearbox	(kg)	0.55			0.72						0.88								
Axial load Radial load	(N)	500/350			500/350						500/350								

PLG52H																			
Reduction ratio		4,5	6,25	8	15	20,25	28,12	36	50	64	91,12	126,56	162	225	228	400	512		
Efficiency		0,9			0,81						0,73								
Number of stages		1			2						3								
Continuous torque	(Ncm)	120			800						2400								
Weight of gearbox	(kg)	0.6			0.72						0.88								
Axial load Radial load	(N)	500/350			500/350						500/350								

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PLG60												
Reduction ratio		3	4	7	10	12	16	21	30	40	49	70
Efficiency		0,9				0,81						
Number of stages		1				2						
Continuous torque	(Ncm)	500				2500						
Weight of gearbox	(kg)	0.55				0.78						
Axial load Radial load	(N)	500/350				500/350						

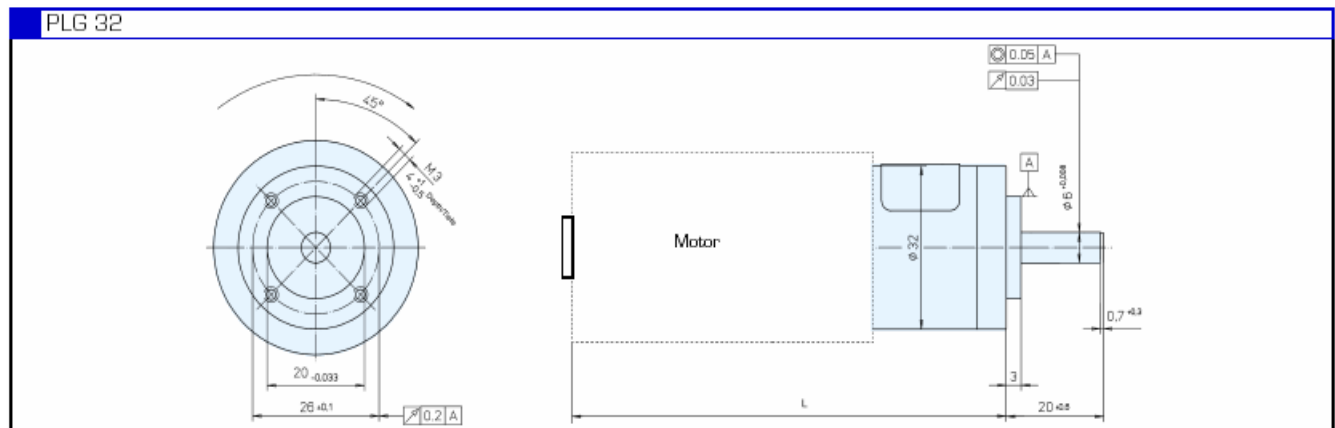
PLG70																						
Reduction ratio		4	5,85	7	16	23,2	28	33,64	40,6	49	64	92,8	112	134,56	162,4	95,112	235,48	284,2	343			
Efficiency		0,8			0,75						0,7											
Number of stages		1			2						3											
Continuous torque	Ncm	500			4000						6000											
Weight of gearbox	kg	1.7			2.3						3.1											
Axial load Radial load	N	1000/650			1000/650						1000/650											

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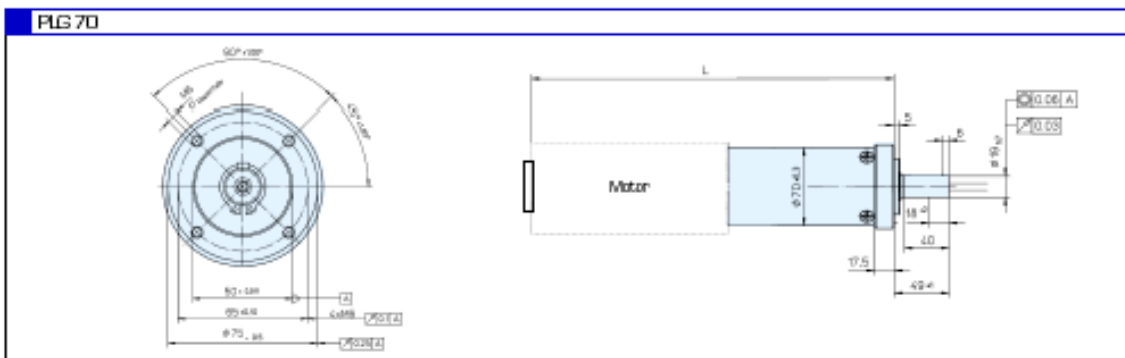
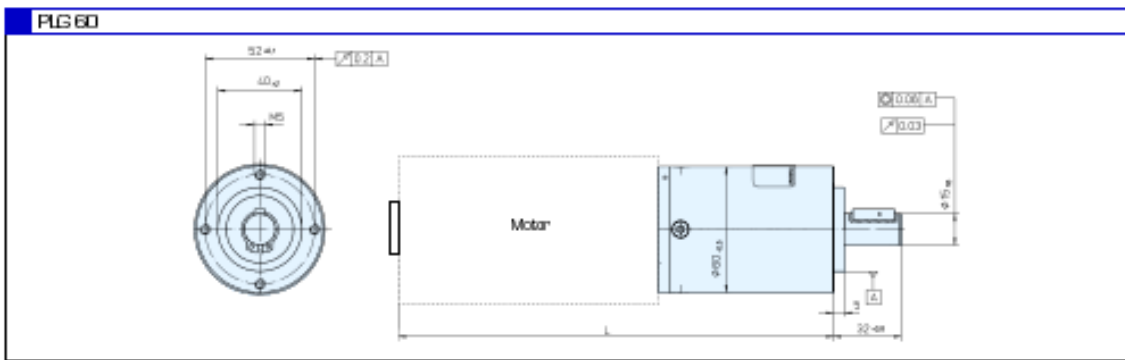
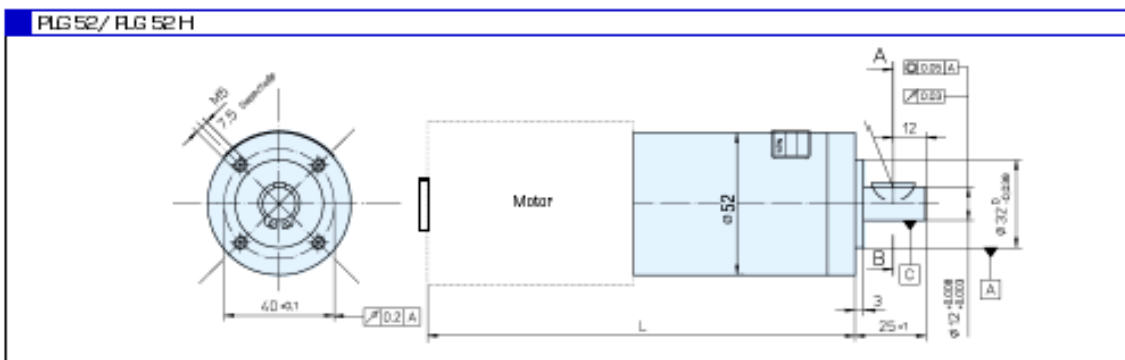
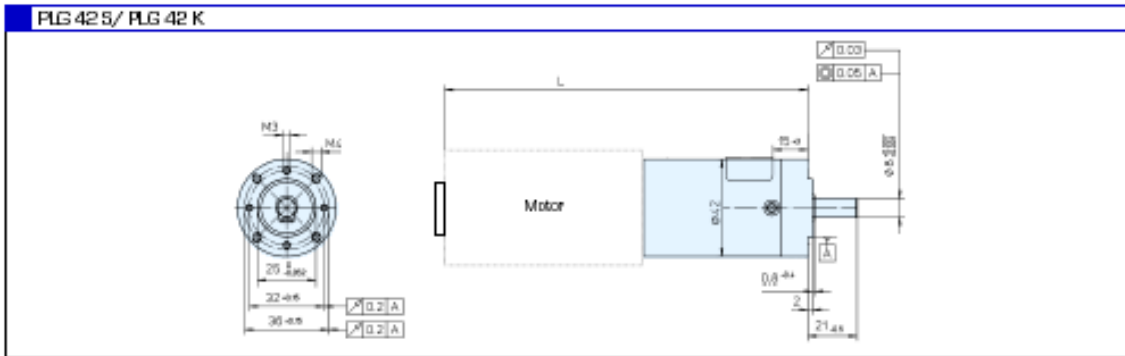
**Dimensions of PLG**

<i>Lengths L motor gearbox combination</i> (mm +/- 2)														
<i>Stages</i>	PLG 32			PLG 42 S/ PLG 42 K			PLG 52/ PLG 52 H			PLG 60		PLG 70		
	1	2	3	1	2	3	1	2	3	1	2	1	2	3
<b>BG 31x20 KI</b>	95	106	115											
<b>BG 40x25</b>				121.8	133.6	145.4	125	140.5	155.5					
<b>BG 40x50</b>				146.8	158.6	170.4	150	165.5	180.5					
<b>BG 44x25 SI</b>				146.8	158.6	170.4	150	165.5	180.5					
<b>BG 44x50 SI</b>				171.8	183.6	195.4	175	190.5	206.5					
<b>BG 65x25</b>							125	140.5	155.5	131	158	157	189	221
<b>BG 65x50</b>							150	165.5	180.5	156	183	182	214	246
<b>BG 65x75</b>							175	190.5	206.5	181	208	207	239	271
<b>BG 65x25 KI</b>							140	155.5	170.5	146	173	172	204	236
<b>BG 65x50 KI</b>							165	180.5	195.5	171	198	197	229	261
<b>BG 65x75 KI</b>							190	206.5	220.5	196	223	222	254	286
<b>BG 65x25 SI</b>							157	172.5	187.5	163	190	189	221	253
<b>BG 65x50 SI</b>							182	197.5	212.5	188	215	214	246	278
<b>BG 65x75 SI</b>							207	222.5	237.5	213	240	239	271	303
<b>BG 65x25 CI</b>							165	180.5	195.5	171	198	197	229	261
<b>BG 65x50 CI</b>							190	206.5	220.5	196	223	222	254	286
<b>BG 65x75 CI</b>							215	230.5	245.5	211	248	247	279	311
<b>BG 83x90</b>												282	314	346
<i>Gearbox without motor</i>	30	40	50	46.8	58.6	70.4	50	65.5	80.5	56	83	82	114	146



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Dimension drawings of complete drives (motor and gear) are available at [www.dynetekmotoren.com](http://www.dynetekmotoren.com) (Products -> direct selection)