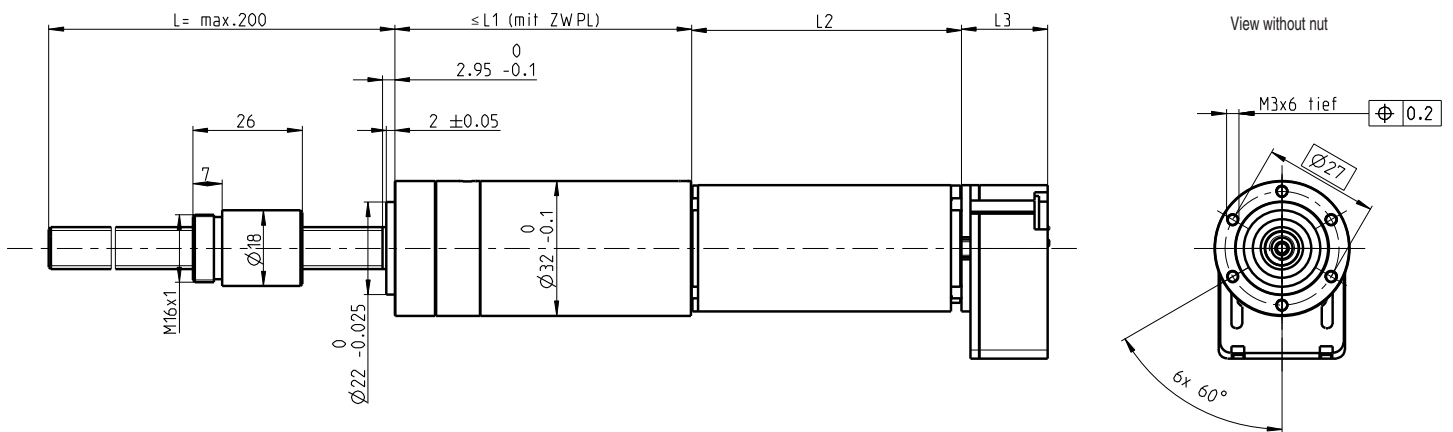


Modular spindle drives

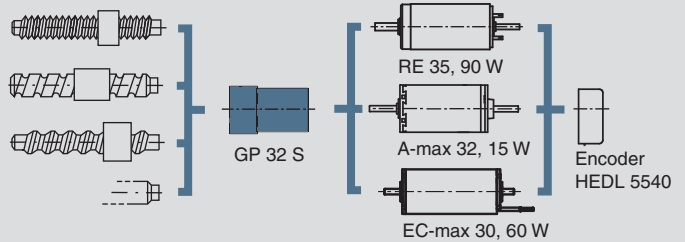
NEW

In the shortest possible lead time.



GP 32 S Planetary Gearhead $\varnothing 32$ mm

- With axial bearings for high axial loads
- High reliable radial load
- Customized spindle variations, even in a ceramic version on request
- High power density
- Compact design
- Large number of configurations
- Simple application
- Further nut and flange geometries on request
- Further spindle lengths and diameters on request



maxon motor

driven by precision

GP 32 S Planetary Gearhead Ø32

NEW

Configure your spindle drive according to your specific requirements.

Order by giving the part order number of spindle (incl. length), gearhead, motor, encoder and optional electronics.

Spindle	Type	Length L	Order number
Metric thread, steel ^{*1}	M10 x 1 mm	max. 200 mm	352901
Trapezoidal spindle, steel ^{*2}	TP10 x 2 mm	max. 200 mm	352904
Precision ball screw, steel ^{*3}	Ø10 x 2 mm	max. 200 mm	352895

Gearhead	
Spindle bearing	ball bearings
Radial play, 5 mm from flange	max. 0.05 mm
Max. perm. radial load, 15 mm from flange	200 N
Axial play	max. 0.02 mm
Sens of rotation, drive to output	=
Recommended input speed	< 6000 rpm
Recommended temperature range	-15°...+80°C

	1	2	2	3	3	4	4	4
Number of stages	1	3	3	6	6	6	6	6
Max. continuous torque (Nm)	1.25	3.75	3.75	7.50	7.50	7.50	7.50	7.50
Intermittently permissible torque (Nm)	80	75	75	70	70	60	60	60
Max. efficiency (%)	50.18	56.89	56.89	63.6	63.6	70.31	70.31	70.31

Order number	354414	337992	342297	338006	342302	338007	342312	342317
Reduction	1 : 1	14 : 1	33 : 1	51 : 1	111 : 1	246 : 1	492 : 1	762 : 1
Reduction absolute	1/1	676/49	529/16	17576/343	13824/125	421824/1715	86112/175	19044/25
Order number	337990	342293		342298	342303	342308	342313	342318
Reduction	3.7 : 1	18 : 1		66 : 1	123 : 1	295 : 1	531 : 1	913 : 1
Reduction absolute	26/7	624/35		16224/245	6877/56	101062/343	331776/625	19044/25
Order number	342291	342294		342299	342304	342309	342314	342319
Reduction	4.8 : 1	21 : 1		79 : 1	132 : 1	318 : 1	589 : 1	1093 : 1
Reduction absolute	24/5	299/14		3887/49	3312/25	389376/1225	20631/35	279841/256
Order number		342295		342300	342305	342310	342315	
Reduction	5.8 : 1	23 : 1		86 : 1	159 : 1	411 : 1	636 : 1	
Reduction absolute		576/25		14976/175	1587/10	359424/875	79488/125	
Order number		342296		342301	342306	342311	342316	
Reduction		28 : 1		103 : 1	190 : 1	456 : 1	706 : 1	
Reduction absolute		138/5		3588/35	12167/64	89401/196	158171/224	

Motor	Encoder	Length L2 (Motor)	Length L3 (Encoder)	Order number
RE 35, 90 W	-	≤ 71.0 mm	-	323891
A-max 32, 15 W	-	≤ 62.9 mm	-	236647
EC-max 30, 60 W	HEDL 5540 110514	≤ 64.0 mm	18.3 mm	272763

Electronics	Order number
EPOS 24/5	Positioning control unit 275512
EPOS P 24/5	Programmable positioning unit 323232

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 info@maxonmotor.com
 www.maxonmotor.com

^{*1} Maximum permissible axial load: static 3500 N / dynamic 2000 N
^{*2} Maximum permissible axial load: static 4000 N / dynamic 3000 N
^{*3} Maximum permissible axial load: static 2900 N / dynamic 2400 N
 (Indication of the dynamic load on 10 000 000 rotations
 at max. 4000 min⁻¹)

Januar 2008 / subject to change

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