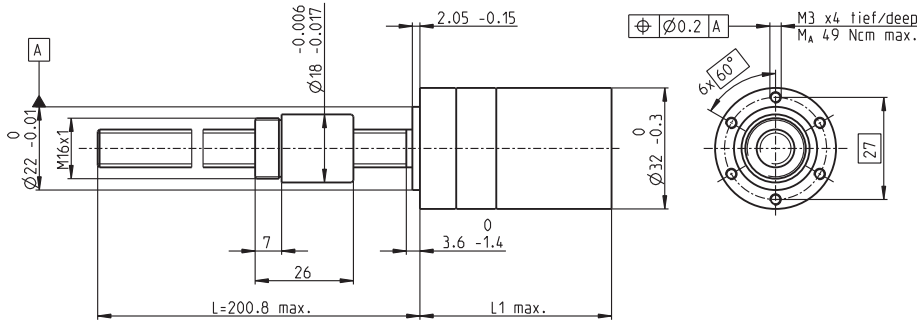


Spindle Drive GP 32 S Ø32 mm, Trapezoidal spindle



Technical Data	
Spindle	TR10 x 2, stainless steel
Standard length	200.8 mm
Special length (5 mm steps)	max. 600 mm
Nut (standard)	thread nut
Material	bronze
Axial play	< 0.008 mm
Planetary gearhead	straight teeth
Bearing	ball bearing/thrust roller bearing
Radial play, 5 mm from flange	< 0.05 mm
Axial play	preloaded
Max. continuous input speed ²	8000 rpm
Recommended temperature range	-15...+80°C
Max. axial load (static) ¹	2700 N
Number of stages	1 2 3 4
Max. radial load, 15 mm from flange	200 N 350 N 400 N 400 N

M 1:2

- Stock program
- Standard program
- Special program (on request)

Part Numbers

Spindle Drive Data	363936	363937	363940	363945	363946	363951	363956	363961	363966
1 Reduction	1:1	3.7:1	14:1	33:1	51:1	111:1	246:1	492:1	762:1
2 Absolute reduction	1/1	26/7	676/49	529/16	17576/343	13824/125	421824/1715	86112/175	19044/25
20 Max. feed velocity ¹	mm/s	186	72	19	8.1	5.2	2.4	1.1	0.5
21 Max. feed force (continuous) ¹	N	216	296	462	614	710	921	1200	1512
22 Max. feed force (intermittent) ¹	N	528	723	1127	1500	1530	1530	1530	1530
Part Numbers		363938	363941		363947	363952	363957	363962	363967
1 Reduction		4.8:1	18:1		66:1	123:1	295:1	531:1	913:1
2 Absolute reduction		24/5	624/35		16224/245	687/56	101062/343	331776/625	36501/40
20 Max. feed velocity ¹	mm/s	56	15		4.0	2.2	0.9	0.5	0.3
21 Max. feed force (continuous) ¹	N	323	502		774	953	1275	1530	1530
22 Max. feed force (intermittent) ¹	N	789	1226		1530	1530	1530	1530	1530
Part Numbers		363939	363942		363948	363953	363958	363963	363968
1 Reduction		5.8:1	21:1		79:1	132:1	318:1	589:1	1093:1
2 Absolute reduction		23/4	299/14		3887/49	3312/25	389376/1225	20631/35	279841/256
20 Max. feed velocity ¹	mm/s	46	13		3.4	2.0	0.8	0.5	0.2
21 Max. feed force (continuous) ¹	N	344	529		822	975	1308	1530	1530
22 Max. feed force (intermittent) ¹	N	840	1291		1530	1530	1530	1530	1530
Part Numbers			363943		363949	363954	363959	363964	
1 Reduction			23:1		86:1	159:1	411:1	636:1	
2 Absolute reduction			576/25		14976/175	1587/10	359424/675	79488/125	
20 Max. feed velocity ¹	mm/s		12		3.1	1.7	0.6	0.4	
21 Max. feed force (continuous) ¹	N		545		846	1038	1424	1530	
22 Max. feed force (intermittent) ¹	N		1330		1530	1530	1530	1530	
Part Numbers			363944		363950	363955	363960	363965	
1 Reduction			28:1		103:1	190:1	456:1	706:1	
2 Absolute reduction			138/5		3588/35	12167/64	89401/196	158171/224	
20 Max. feed velocity ¹	mm/s		9.5		1.3	0.7	0.3	0.2	
21 Max. feed force (continuous) ¹	N		582		898	1101	1475	1530	
22 Max. feed force (intermittent) ¹	N		1420		1530	1530	1530	1530	
4 Number of stages		0	1	2	2	3	3	4	4
7 Max. efficiency gearhead incl. spindle	%	47	38	35	35	33	33	28	28
8 Weight ¹	g	304	304	331	331	359	359	387	387
9 Average backlash no load	°	0.7	0.7	0.8	0.8	1.0	1.0	1.0	1.0
23 Mechanical positioning accuracy ¹	mm	0.035	0.035	0.035	0.035	0.037	0.037	0.037	0.037
10 Mass inertia gearhead incl. spindle ¹	gcm ²	42.3	2.4	0.9	0.9	1.0	1.0	1.0	1.0
11 Gearhead length L1	mm	51.0	51.0	57.7	57.7	64.4	64.4	71.1	71.1

¹ based on spindle length 200.8 mm (standard length) ² for reduction 1:1 = 5569 rpm



maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
EC-max 22, 25 W	263			-	99.6	106.3	106.3	113.0	113.0	119.7	119.7
EC-max 22, 25 W	263	MR	391	-	109.3	116.0	116.0	122.7	122.7	129.4	129.4
EC-max 22, 25 W	263	AB 20	406	-	135.4	142.1	142.1	148.8	148.8	155.5	155.5
EC-max 30, 40 W	264			-	93.1	99.8	99.8	106.5	106.5	113.2	113.2
EC-max 30, 40 W	264	MR	392	-	105.3	112.0	112.0	118.7	118.7	125.4	125.4
EC-max 30, 40 W	264	HEDL5540	402	-	113.7	120.4	120.4	127.1	127.1	133.8	133.8
EC-max 30, 40 W	264	AB 20	406	-	128.9	135.6	135.6	142.3	142.3	148.3	148.3
EC-max 30, 40 W	264	HEDL 5540 / AB	402/406	-	149.5	156.2	156.2	162.9	162.9	169.6	169.6
EC-4pole 22, 90 W	271				99.7	106.4	106.4	113.1	113.1	119.8	119.8
EC-4pole 22, 90 W	271	HEDL 5540	403		121.2	127.9	127.9	134.6	134.6	141.3	141.3
EC-4pole 22,120 W	272				117.1	117.1	123.8	123.8	130.5	137.2	137.2
EC-4pole 22,120 W	272	HEDL 5540	403		138.6	138.6	145.3	145.3	152.0	158.7	158.7
EC-i 40, 50 W	281				82.7	82.7	89.4	89.4	96.1	102.8	102.8
EC-i 40, 50 W	281	16 EASY	382/383		94.4	94.4	101.1	101.1	107.8	114.5	114.5
EC-i 40, 50 W	281	HEDL 5540	403		105.7	105.7	112.4	112.4	119.1	125.8	125.8
EC-i 40, 70 W	283				92.7	92.7	99.4	99.4	106.1	112.8	112.8
EC-i 40, 70 W	283	16 EASY	382/383		104.4	104.4	111.1	111.1	117.8	124.5	124.5
EC-i 40, 70 W	283	HEDL 5540	403		115.7	115.7	122.4	122.4	129.1	135.8	135.8

Continuation of the modular system (irrespective of the spindle) on pages 370 and 371.