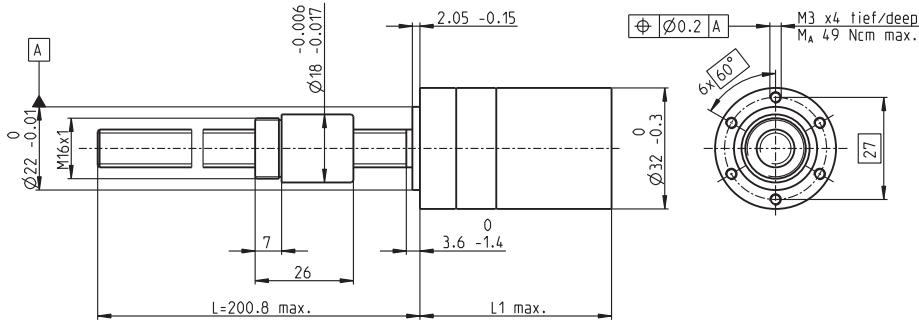


Spindle Drive GP 32 S Ø32 mm, Ball Screw



Technical Data	
Spindle	Ø10 x 2, stainless steel
Standard length	200.8 mm
Special length (5 mm steps)	max. 600 mm
Nut (standard)	thread nut
Material	100CR6, hardened
Axial play	< 0.01 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	363970	363971	363974	363979	363980	363985	363990	363995	364000
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	133	72	19	8.1	5.2	2.4	1.1	0.3
21 Max. feed force (continuous) ¹	N	386	474	739	983	1137	1473	1921	2420
22 Max. feed force (intermittent) ¹	N	1023	1255	1956	2604	2700	2700	2700	2700
Part Numbers		363972	363975		363981	363986	363991	363996	364001
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	517	803		1239	1524	2041	2482	2700
22 Max. feed force (intermittent) ¹	N	1369	2127		2700	2700	2700	2700	2700
Part Numbers		363973	363976		363982	363987	363992	363997	364002
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	551	846		1315	1561	2092	2569	2700
22 Max. feed force (intermittent) ¹	N	1458	2239		2700	2700	2700	2700	2700
Part Numbers			363977		363983	363988	363993	363998	
1 Reduction			23:1		86:1	159:1	411:1	636:1	
2 Absolute reduction			576/25		14976/175	1687/10	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		872		1353	1661	2279	2636	
22 Max. feed force (intermittent) ¹	N		2308		2700	2700	2700	2700	
Part Numbers			363978		363984	363989	363994	363999	
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		2.6	1.4	0.6	0.4	
21 Max. feed force (continuous) ¹	N		931		1437	1762	2359	2700	
22 Max. feed force (intermittent) ¹	N		2465		2700	2700	2700	2700	
4 Number of stages		0	1	2	2	3	3	4	4
7 Max. efficiency gearhead incl. spindle	%	94	75	71	71	66	66	56	56
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	0.037	0.037	0.037	0.037	0.039	0.039	0.039	0.039
10 Mass inertia gearhead incl. spindle ¹	gcm ²	42.3	4.2	0.9	0.9	0.7	0.7	0.7	0.7
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 = 4000 rpm

maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts								
RE 25	179/181			105.6	105.6	112.3	112.3	119.0	119.0	125.7	125.7	125.7
RE 25	179/181	MR	392	116.6	116.6	123.3	123.3	130.0	130.0	136.7	136.7	136.7
RE 25	179/181	Enc 22	398	119.7	119.7	126.4	126.4	133.1	133.1	139.8	139.8	139.8
RE 25	179/181	HED_5540	399/401	126.4	126.4	133.1	133.1	139.8	139.8	146.5	146.5	146.5
RE 25	179/181	DCT 22	411	127.9	127.9	134.6	134.6	141.3	141.3	148.0	148.0	148.0
RE 25, 20 W	180			94.1	94.1	100.8	100.8	107.5	107.5	114.2	114.2	114.2
RE 25, 20 W	180	MR	392	105.1	105.1	111.8	111.8	118.5	118.5	125.2	125.2	125.2
RE 25, 20 W	180	HED_5540	399/401	114.9	114.9	121.6	121.6	128.3	128.3	135.0	135.0	135.0
RE 25, 20 W	180	DCT 22	411	116.4	116.4	123.1	123.1	129.8	129.8	136.5	136.5	136.5
RE 25, 20 W	180	AB 28	408	128.2	128.2	134.9	134.9	141.6	141.6	148.3	148.3	148.3
RE 25, 20 W	180	HED_5540/AB 28	399/408	145.4	145.4	152.1	152.1	158.8	158.8	165.5	165.5	165.5
RE 25, 20 W	181	AB 28	408	139.7	139.7	146.4	146.4	153.1	153.1	159.8	159.8	159.8
RE 25, 20 W	181	HED_5540/AB 28	399/408	156.9	156.9	163.6	163.6	170.3	170.3	177.0	177.0	177.0
RE 30, 60 W	183			119.1	119.1	125.8	125.8	132.5	132.5	139.2	139.2	139.2
RE 30, 60 W	183	MR	393	130.5	130.5	137.2	137.2	143.9	143.9	150.6	150.6	150.6
RE 30, 60 W	183	HED_5540	399/401	139.9	139.9	146.6	146.6	153.3	153.3	160.0	160.0	160.0
RE 35, 90 W	184			122.1	122.1	128.8	128.8	135.5	135.5	142.2	142.2	142.2
RE 35, 90 W	184	MR	393	133.5	133.5	140.2	140.2	146.9	146.9	153.6	153.6	153.6
RE 35, 90 W	184	HED_5540	399/401	142.8	142.8	149.5	149.5	156.2	156.2	162.9	162.9	162.9
RE 35, 90 W	184	DCT 22	411	140.2	140.2	146.9	146.9	153.6	153.6	160.3	160.3	160.3
RE 35, 90 W	184	AB 28	408	158.2	158.2	164.9	164.9	171.6	171.6	178.3	178.3	178.3
RE 35, 90 W	184	HEDS 5540/AB 28	399/408	175.4	175.4	182.1	182.1	188.8	188.8	195.5	195.5	195.5

Continuation of the modular system (irrespective of the spindle) on pages 371 and 372.