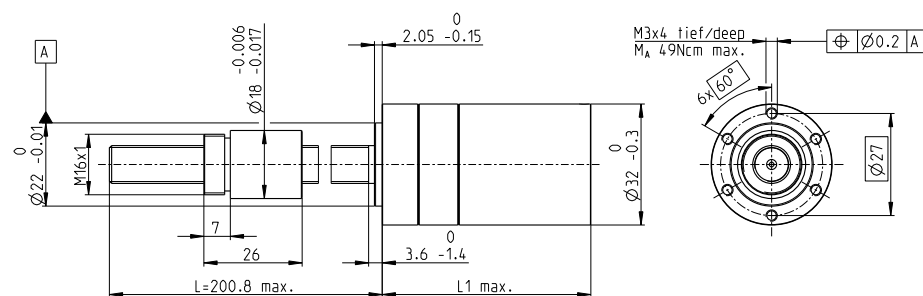


Screw Drive GP 32 S Ø32 mm, ball screw

screw drive



M 1:2

Technical data

Screw	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	0 1 2 3 4
Max. radial load, 15 mm from flange	200 N 200 N 350 N 400 N 400 N

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

Part numbers

Screw 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	28/7	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	0.5
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	6877/56	101062/443	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	1587/10	359424/675	79489/125	
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	89401/96	15817/224	
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	4
7 Max. efficiency gearhead incl. screw	%	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. screw 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 screw length 200.8 mm (standard length) ² for reduction 1:1 = 4000 rpm

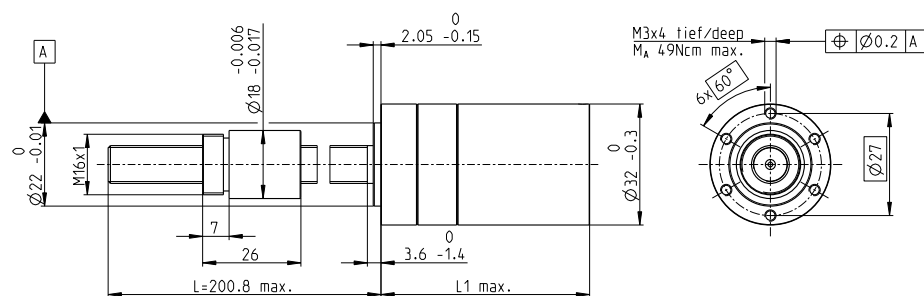


Modular system

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
RE 25	156/158			105.6	105.6	112.3	112.3	119.0	119.0	125.7	125.7
RE 25	156/158	ENX 25 IMR	505	116.6	116.6	123.3	123.3	130	130	136.7	136.7
RE 25	156/158	HED_5540	535/537	126.4	126.4	133.1	133.1	139.8	139.8	146.5	146.5
RE 25	156/158	DCT 22	542	127.9	127.9	134.6	134.6	141.3	141.3	148.0	148.0
RE 25, 20 W	157			94.1	94.1	100.8	100.8	107.5	107.5	114.2	114.2
RE 25, 20 W	157	ENX 25 IMR	505	105.1	105.1	111.8	111.8	118.5	118.5	125.2	125.2
RE 25, 20 W	157	HED_5540	535/537	114.9	114.9	121.6	121.6	128.3	128.3	135.0	135.0
RE 25, 20 W	157	DCT 22	542	116.4	116.4	123.1	123.1	129.8	129.8	136.5	136.5
RE 25, 20 W	157	AB 28	587	128.2	128.2	134.9	134.9	141.6	141.6	148.3	148.3
RE 25, 20 W	157	HED_5540/AB 28	535/587	145.4	145.4	152.1	152.1	158.8	158.8	165.5	165.5
RE 25, 20 W	158	AB 28	587	139.7	139.7	146.4	146.4	153.1	153.1	159.8	159.8
RE 25, 20 W	158	HED_5540/AB 28	535/587	156.9	156.9	163.6	163.6	170.3	170.3	177.0	177.0
RE 30, 60 W	160			119.1	119.1	125.8	125.8	132.5	132.5	139.2	139.2
RE 30, 60 W	160	ENX 32 IMR	506	130.5	130.5	137.2	137.2	143.9	143.9	150.6	150.6
RE 30, 60 W	160	HED_5540	535/537	139.9	139.9	146.6	146.6	153.3	153.3	160.0	160.0

Continuation of the modular system on pages 477 and 480.

Screw Drive GP 32 S Ø32 mm, ball screw



Technical data

Screw	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	0 1 2 3 4
Max. radial load, 15 mm from flange	200 N 200 N 350 N 400 N 400 N

M 1:2

screw drive

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

Part numbers

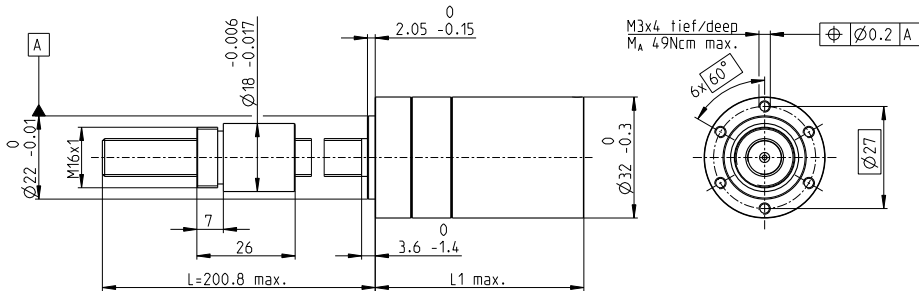
363970	363971	363974	363979	363980	363985	363990	363995	364000
	363972	363975		363981	363986	363991	363996	364001
	363973	363976		363982	363987	363992	363997	364002
		363977		363983	363988	363993	363998	
		363978		363984	363989	363994	363999	



Modular system											
+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
RE 35, 90 W	161			122.1	122.1	128.8	128.8	135.5	135.5	142.2	142.2
RE 35, 90 W	161	ENX 32 IMR	506	133.5	133.5	140.2	140.2	146.9	146.9	153.6	153.6
RE 35, 90 W	161	HED_5540	535/537	142.8	142.8	149.5	149.5	156.2	156.2	162.9	162.9
RE 35, 90 W	161	DCT 22	542	140.2	140.2	146.9	146.9	153.6	153.6	160.3	160.3
RE 35, 90 W	161	AB 28	587	158.2	158.2	164.9	164.9	171.6	171.6	178.3	178.3
RE 35, 90 W	161	HEDS 5540/AB 28	535/587	175.4	175.4	182.1	182.1	188.8	188.8	195.5	195.5
A-max 26	183-186			-	95.8	102.5	102.5	109.2	109.2	115.9	115.9
A-max 26	184-186	13 GAMA	498	-	102.9	109.6	109.6	116.3	116.3	123.0	123.0
A-max 26	184/186	ENX 25 IMR	505	-	104.6	111.3	111.3	118	118	124.7	124.7
A-max 26	184-186	HED_5540	536/538	-	114.2	120.9	120.9	127.6	127.6	134.3	134.3
A-max 32	187			-	114.0	120.7	120.7	127.4	127.4	134.1	134.1
A-max 32	188			-	112.6	119.3	119.3	126.0	126.0	132.7	132.7
A-max 32	188	ENX 32 IMR	506	-	123.8	130.5	130.5	137.2	137.2	143.9	143.9
A-max 32	188	HED_5540	535/537	-	133.4	140.1	140.1	146.8	146.8	153.5	153.5
EC 32, 80 W	271			111.1	111.1	117.8	117.8	124.5	124.5	131.2	131.2
EC 32, 80 W	271	Res 26	543	131.2	131.2	137.9	137.9	144.6	144.6	151.3	151.3
EC-max 22, 25 W	283			-	99.6	106.3	106.3	113.0	113.0	119.7	119.7
EC-max 22, 25 W	283	16 EASY/XT/Abs.	509-511	-	109.2	115.9	115.9	122.6	122.6	129.3	129.3
EC-max 22, 25 W	283	16 EASY Abs. XT	512	-	109.7	116.4	116.4	123.1	123.1	129.8	129.8
EC-max 22, 25 W	283	AB 20	584	-	135.2	141.9	141.9	148.6	148.6	155.3	155.3
EC-max 30, 40 W	284			-	93.1	99.8	99.8	106.5	106.5	113.2	113.2
EC-max 30, 40 W	284	16 EASY/XT/Abs.	509-511	-	104.2	110.9	110.9	117.6	117.6	124.3	124.3
EC-max 30, 40 W	284	16 EASY Abs. XT	512	-	104.7	111.4	111.4	118.1	118.1	124.8	124.8
EC-max 30, 40 W	284	HEDL 5540	537	-	113.7	120.4	120.4	127.1	127.1	133.8	133.8
EC-max 30, 40 W	284	AB 20	584	-	128.7	135.4	135.4	142.1	142.1	148.8	148.8
EC-max 30, 40 W	284	HEDL 5540/AB 20	537/584	-	149.3	156.0	156.0	162.7	162.7	169.4	169.4
EC-max 30, 60 W	285			115.1	115.1	121.8	121.8	128.5	128.5	135.2	135.2
EC-max 30, 60 W	285	16 EASY/XT/Abs.	509-511	126.2	126.2	132.9	132.9	139.6	139.6	146.3	146.3
EC-max 30, 60 W	285	16 EASY Abs. XT	512	126.7	126.7	133.4	133.4	140.1	140.1	146.8	146.8
EC-max 30, 60 W	285	HEDL 5540	538	135.7	135.7	142.4	142.4	149.1	149.1	155.8	155.8
EC-max 30, 60 W	285	AB 20	584	150.7	150.7	157.4	157.4	164.1	164.1	170.8	170.8
EC-max 30, 60 W	285	HEDL 5540/AB 20	539/584	171.3	171.3	178.0	178.0	184.7	184.7	191.4	191.4
EC-4pole 22, 90 W	291			99.7	99.7	106.4	106.4	113.1	113.1	119.8	119.8
EC-4pole 22, 90 W	291	22 EMT	518	125.5	125.5	132.2	132.2	138.9	138.9	145.6	145.6
EC-4pole 22, 90 W	291	16 EASY/XT/Abs.	509-511	111.9	111.9	118.6	118.6	125.3	125.3	132.0	132.0
EC-4pole 22, 90 W	291	16 EASY Abs. XT	512	112.4	112.4	119.1	119.1	125.8	125.8	132.5	132.5
EC-4pole 22, 90 W	291	16 RIO	519	110.4	110.4	117.1	117.1	123.8	123.8	130.5	130.5
EC-4pole 22, 120 W	292			117.1	117.1	123.8	123.8	130.5	130.5	137.2	137.2
EC-4pole 22, 120 W	292	22 EMT	518	142.9	142.9	149.6	149.6	156.3	156.3	163.0	163.0
EC-4pole 22, 120 W	292	16 EASY/XT/Abs.	509-511	129.3	129.3	136.0	136.0	142.7	142.7	149.4	149.4
EC-4pole 22, 120 W	292	16 EASY Abs. XT	512	129.8	129.8	136.5	136.5	143.2	143.2	149.9	149.9
EC-4pole 22, 120 W	292	16 RIO	519	127.8	127.8	134.5	134.5	141.2	141.2	147.9	147.9

Screw Drive GP 32 S Ø32 mm, ball screw

screw drive



Technical data	
Screw	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	0 1 2 3 4
Max. radial load, 15 mm from flange	200 N 200 N 350 N 400 N 400 N

M 1:2

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

Part numbers								
363970	363971	363974	363979	363980	363985	363990	363995	364000
	363972	363975		363981	363986	363991	363996	364001
	363973	363976		363982	363987	363992	363997	364002
		363977		363983	363988	363993	363998	
		363978		363984	363989	363994	363999	



Modular system											
+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
EC-4pole 30, 100 W	293			98.1	98.1	104.8	104.8	111.5	111.5	118.2	118.2
EC-4pole 30, 100 W	293	16 EASY/XT/Abs.	509-511	112.0	112.0	118.7	118.7	125.4	125.4	132.1	132.1
EC-4pole 30, 100 W	293	16 EASY Abs. XT	512	112.5	112.5	119.2	119.2	125.9	125.9	132.6	132.6
EC-4pole 30, 100 W	293	22 EMT	518	126.0	126.0	132.7	132.7	139.4	139.4	146.1	146.1
EC-4pole 30, 100 W	293	16 RIO	519	110.5	110.5	117.2	117.2	123.9	123.9	130.6	130.6
EC-4pole 30, 100 W	293	AB 20	585	134.3	134.3	141.0	141.0	147.7	147.7	154.4	154.4
EC-4pole 30, 100 W	293	16 EASY/XT/Abs./AB 20	509/585	148.4	148.4	155.1	155.1	161.8	161.8	168.5	168.5
EC-4pole 30, 100 W	293	16 EASY Abs. XT/AB 20	512/585	148.9	148.9	155.6	155.6	162.3	162.3	169.0	169.0
EC-4pole 30, 100 W	293	22 EMT/AB 20	518/585	165.5	165.5	172.2	172.2	178.9	178.9	185.6	185.6
EC-4pole 30, 100 W	293	16 RIO/AB 20	519/585	146.9	146.9	153.6	153.6	160.3	160.3	167.0	167.0
EC-4pole 30, 200 W	295			115.1	115.1	121.8	121.8	128.5	128.5	135.2	135.2
EC-4pole 30, 200 W	295	16 EASY/XT/Abs.	509-511	129.0	129.0	135.7	135.7	142.4	142.4	149.1	149.1
EC-4pole 30, 200 W	295	16 EASY Abs. XT	512	129.5	129.5	136.2	136.2	142.9	142.9	149.6	149.6
EC-4pole 30, 200 W	295	22 EMT	518	143.0	143.0	149.7	149.7	156.4	156.4	163.1	163.1
EC-4pole 30, 200 W	295	16 RIO	519	127.5	127.5	134.2	134.2	140.9	140.9	147.6	147.6
EC-4pole 30, 200 W	295	AB 20	585	151.3	151.3	158.0	158.0	164.7	164.7	171.4	171.4
EC-4pole 30, 200 W	295	16 EASY/XT/Abs./AB 20	509/585	165.4	165.4	172.1	172.1	178.8	178.8	185.5	185.5
EC-4pole 30, 200 W	295	16 EASY Abs. XT/AB 20	512/585	165.9	165.9	172.6	172.6	179.3	179.3	186.0	186.0
EC-4pole 30, 200 W	295	22 EMT/AB 20	518/585	182.5	182.5	189.2	189.2	195.9	195.9	202.6	202.6
EC-4pole 30, 200 W	295	16 RIO/AB 20	519/585	163.9	163.9	170.6	170.6	177.3	177.3	184.0	184.0
EC-i 30, 30 W	302			93.3	93.3	100.0	100.0	106.7	106.7	113.4	113.4
EC-i 30, 30 W	302	22 EMT	518	121.3	121.3	128.0	128.0	134.7	134.7	141.4	141.4
EC-i 30, 30 W	302	16 EASY/Abs.	509-511	105.0	105.0	111.7	111.7	118.4	118.4	125.1	125.1
EC-i 30, 30 W	302	16 RIO	519	103.5	103.5	110.2	110.2	116.9	116.9	123.6	123.6
EC-i 30, 45 W	303			93.3	93.3	100.0	100.0	106.7	106.7	113.4	113.4
EC-i 30, 45 W	303	22 EMT	518	121.3	121.3	128.0	128.0	134.7	134.7	141.4	141.4
EC-i 30, 45 W	303	16 EASY/Abs.	509-511	105.0	105.0	111.7	111.7	118.4	118.4	125.1	125.1
EC-i 30, 45 W	303	16 RIO	519	103.5	103.5	110.2	110.2	116.9	116.9	123.6	123.6
EC-i 30, 50 W	304			115.3	115.3	122.0	122.0	128.7	128.7	135.4	135.4
EC-i 30, 50 W	304	22 EMT	518	143.3	143.3	150.0	150.0	156.7	156.7	163.4	163.4
EC-i 30, 50 W	304	16 EASY/Abs.	509-511	127.0	127.0	133.7	133.7	140.4	140.4	147.1	147.1
EC-i 30, 50 W	304	16 RIO	519	125.5	125.5	132.2	132.2	138.9	138.9	145.6	145.6
EC-i 30, 75 W	305			115.3	115.3	122.0	122.0	128.7	128.7	135.4	135.4
EC-i 30, 75 W	305	22 EMT	518	143.3	143.3	150.0	150.0	156.7	156.7	163.4	163.4
EC-i 30, 75 W	305	16 EASY/Abs.	509-511	127.0	127.0	133.7	133.7	140.4	140.4	147.1	147.1
EC-i 30, 75 W	305	16 RIO	519	125.5	125.5	132.2	132.2	138.9	138.9	145.6	145.6
EC-i 40, 50 W	306			82.7	82.7	89.4	89.4	96.1	96.1	102.8	102.8
EC-i 40, 50 W	306	22 EMT	518	110.7	110.7	117.4	117.4	124.1	124.1	130.8	130.8
EC-i 40, 50 W	306	TSX 40 MAG/RIO	526-527	94.4	82.7	89.4	89.4	96.1	96.1	102.8	102.8
EC-i 40, 50 W	306	16 EASY/Abs.	509-511	94.4	94.4	101.1	101.1	107.8	107.8	114.5	114.5
EC-i 40, 50 W	306	16 RIO	519	97.2	97.2	103.9	103.9	110.6	110.6	117.3	117.3
EC-i 40, 70 W	308			92.7	92.7	99.4	99.4	106.1	106.1	112.8	112.8
EC-i 40, 70 W	308	22 EMT	518	120.7	120.7	127.4	127.4	134.1	134.1	140.8	140.8
EC-i 40, 70 W	308	TSX 40 MAG/RIO	526-527	104.4	104.4	111.1	111.1	117.8	117.8	124.5	124.5
EC-i 40, 70 W	308	16 EASY/Abs.	509-511	104.4	104.4	111.1	111.1	117.8	117.8	124.5	124.5
EC-i 40, 70 W	308	16 RIO	519	107.2	107.2	113.9	113.9	120.6	120.6	127.3	127.3