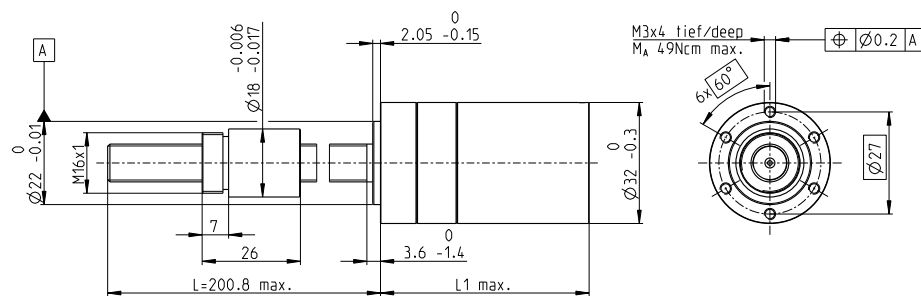


Screw Drive GP 32 S Ø32 mm, trapezoidal lead screw

screw drive



Technical data

Screw	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	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

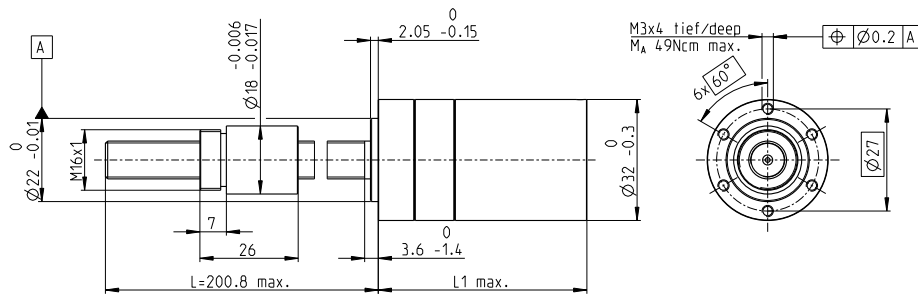
Screw drive data	363936	363937	363940	363945	363946	363951	363956	363961	363966
1 Reduction	1:1	3.7:1	14:1	33:1	51:1	111:1	246:1	492:1	762:1
2 Absolute reduction	1/1	28/7	676/49	529/16	17576/343	13824/125	421824/1715	86112/175	19044/25
20 Max. feed velocity ¹	mm/s	186	72	19	8.1	5.2	2.4	1.1	0.5
21 Max. 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	6877/56	101062/443	331776/625	3650/40	
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	389378/1225	20631/35	27984/256	
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	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	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	15817/224		
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	4
7 Max. efficiency gearhead incl. screw	%	47	38	35	35	33	28	28	28
8 Weight ¹	g	304	304	331	331	359	387	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. screw 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 screw length 200.8 mm (standard length) ² for reduction 1:1 = 5569 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

Screw Drive GP 32 S Ø32 mm, trapezoidal lead screw



Technical data

Screw	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	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

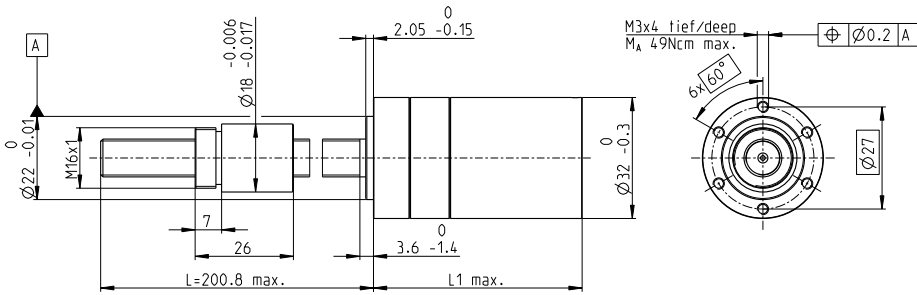
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	363939	363942		363948	363953	363958	363963	363968
		363943		363949	363954	363959	363964	
		363944		363950	363955	363960	363965	



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	HEDL 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	HEDL 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	HEDL 5540	535/537	-	133.4	140.1	140.1	146.8	146.8	153.5	153.5
EC 32, 80 W	271	HEDL 5540	535/537	129.5	129.5	136.2	136.2	142.9	142.9	149.6	149.6
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	538	-	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	538/584	-	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
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

Screw Drive GP 32 S Ø32 mm, trapezoidal lead screw

screw drive



Technical data	
Screw	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	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								
363936	363937	363940	363945	363946	363951	363956	363961	363966
	363938	363941		363947	363952	363957	363962	363967
	363939	363942		363948	363953	363958	363963	363968
		363943		363949	363954	363959	363964	
		363944		363950	363955	363960	363965	



Modular system												
+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts								
EC-4pole 30, 200 W	295			115.1	115.1	121.8	121.8	128.5	128.5	135.2	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	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	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	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	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	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	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	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	202.6
EC-4pole 30, 200 W	295	16 RIO/AB 20	512/585	163.9	163.9	170.6	170.6	177.3	177.3	184.0	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	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	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	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	123.6
EC-i 30, 45 W	303			93.3	93.3	100.0	100.0	106.7	106.7	113.4	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	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	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	123.6
EC-i 30, 50 W	304			115.3	115.3	122.0	122.0	128.7	128.7	135.4	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	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	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	145.6
EC-i 30, 75 W	305			115.3	115.3	122.0	122.0	128.7	128.7	135.4	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	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	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	145.6
EC-i 40, 50 W	306			82.7	82.7	89.4	89.4	96.1	96.1	102.8	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	130.8
EC-i 40, 50 W	306	TSX 40 MAG/RIO	526-527	94.4	94.4	101.1	101.1	107.8	107.8	114.5	114.5	114.5
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	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	117.3
EC-i 40, 70 W	308			92.7	92.7	99.4	99.4	106.1	106.1	112.8	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	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	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	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	127.3