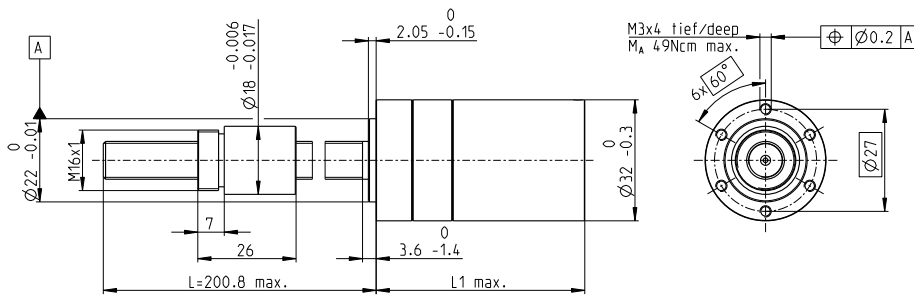


Screw Drive GP 32 S Ø32 mm, metric lead screw



Technical data

Screw	M10 x1, 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

Screw drive data	363900	363901	363904	363909	363910	363915	363920	363925	363930
1 Reduction	1:1	3.7:1	14:1	33:1	51:1	111:1	246:1	492:1	762:1
2 Absolute reduction	$\frac{1}{1}$	$\frac{26}{7}$	$\frac{676}{49}$	$\frac{529}{16}$	$\frac{17576}{343}$	$\frac{13824}{125}$	$\frac{421824}{1715}$	$\frac{86112}{175}$	$\frac{19044}{25}$
20 Max. feed velocity ¹	mm/s	100	36	9.5	4.0	2.6	1.2	0.5	0.2
21 Max. feed force (continuous) ¹	N	183	257	400	533	616	798	1040	1311
22 Max. feed force (intermittent) ¹	N	455	638	995	1324	1350	1350	1350	1350
Part numbers	363902	363905			363911	363916	363921	363926	363931
1 Reduction	4.8:1	18:1			66:1	123:1	295:1	531:1	913:1
2 Absolute reduction	$\frac{24}{5}$	$\frac{624}{35}$			$\frac{16224}{245}$	$\frac{6877}{56}$	$\frac{101062}{343}$	$\frac{331776}{625}$	$\frac{36501}{40}$
20 Max. feed velocity ¹	mm/s	28	7.4		2.0	1.1	0.5	0.3	0.1
21 Max. feed force (continuous) ¹	N	280	435		671	826	1105	1345	1350
22 Max. feed force (intermittent) ¹	N	696	1082		1350	1350	1350	1350	1350
Part numbers	363903	363906			363912	363917	363922	363927	363932
1 Reduction	5.8:1	21:1			79:1	132:1	318:1	589:1	1093:1
2 Absolute reduction	$\frac{23}{4}$	$\frac{299}{14}$			$\frac{3887}{49}$	$\frac{3312}{25}$	$\frac{389376}{1225}$	$\frac{20631}{35}$	$\frac{279841}{256}$
20 Max. feed velocity ¹	mm/s	23	6.3		1.7	1.0	0.4	0.2	0.1
21 Max. feed force (continuous) ¹	N	298	458		712	845	1133	1350	1350
22 Max. feed force (intermittent) ¹	N	742	1139		1350	1350	1350	1350	1350
Part numbers	363907				363913	363918	363923	363928	
1 Reduction	23:1				86:1	159:1	411:1	636:1	
2 Absolute reduction	$\frac{576}{25}$				$\frac{14976}{175}$	$\frac{1587}{10}$	$\frac{359424}{675}$	$\frac{79488}{125}$	
20 Max. feed velocity ¹	mm/s	5.8			1.6	0.8	0.3	0.2	
21 Max. feed force (continuous) ¹	N	472			733	899	1234	1350	
22 Max. feed force (intermittent) ¹	N	1174			1350	1350	1350	1350	
Part numbers	363908				363914	363919	363924	363929	
1 Reduction	28:1				103:1	190:1	456:1	706:1	
2 Absolute reduction	$\frac{138}{5}$				$\frac{3588}{35}$	$\frac{12167}{64}$	$\frac{89401}{196}$	$\frac{15817}{224}$	
20 Max. feed velocity ¹	mm/s	4.8			1.3	0.7	0.3	0.2	
21 Max. feed force (continuous) ¹	N	504			778	955	1278	1350	
22 Max. feed force (intermittent) ¹	N	1253			1350	1350	1350	1350	
4 Number of stages	0	1	2	2	3	3	4	4	4
7 Max. efficiency gearhead incl. screw	%	27	22	20	19	19	16	16	16
8 Weight ¹	g	304	304	331	359	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	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034
10 Mass inertia gearhead incl. screw ¹	gcm ²	43.3	3.0	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

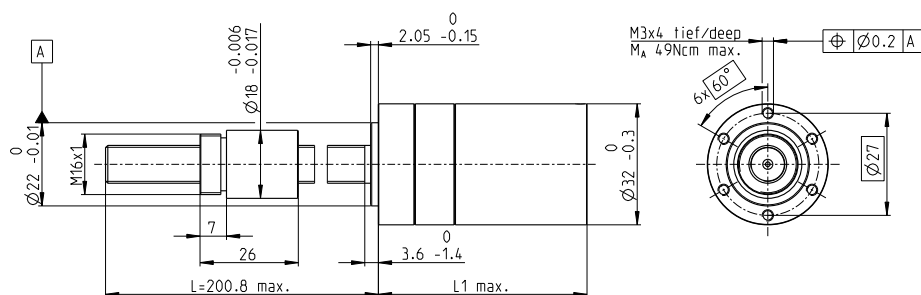
¹ based on screw length 200.8 mm (standard length) ² for reduction 1:1 = 5984 rpm



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	125.7	125.7
RE 25	156/158	ENX 25 IMR	505	116.6	116.6	123.3	123.3	130	136.7	136.7
RE 25	156/158	HED_5540	535/537	126.4	126.4	133.1	133.1	139.8	146.5	146.5
RE 25	156/158	DCT 22	542	127.9	127.9	134.6	134.6	141.3	148.0	148.0
RE 25, 20 W	157			94.1	94.1	100.8	100.8	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	125.2	125.2
RE 25, 20 W	157	HED_5540	535/537	114.9	114.9	121.6	121.6	128.3	135.0	135.0
RE 25, 20 W	157	DCT 22	542	116.4	116.4	123.1	123.1	129.8	136.5	136.5
RE 25, 20 W	157	AB 28	587	128.2	128.2	134.9	134.9	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	165.5	165.5
RE 25, 20 W	158	AB 28	587	139.7	139.7	146.4	146.4	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	177.0	177.0
RE 30, 60 W	160			119.1	119.1	125.8	125.8	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	150.6	150.6
RE 30, 60 W	160	HED_5540	535/537	139.9	139.9	146.6	146.6	153.3	160.0	160.0

Screw Drive GP 32 S Ø32 mm, metric lead screw

screw drive



M 1:2

Technical data

Screw	M10 x 1, 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

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

Part numbers

363900	363901	363904	363909	363910	363915	363920	363925	363930
	363902	363905		363911	363916	363921	363926	363931
	363903	363906		363912	363917	363922	363927	363932
		363907		363913	363918	363923	363928	
		363908		363914	363919	363924	363929	



Modular system

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
RE 35, 90 W	161	ENX 32 IMR	506	122.1	122.1	128.8	128.8	135.5	135.5	142.2	142.2
RE 35, 90 W	161	HED_5540	535/537	133.5	133.5	140.2	140.2	146.9	146.9	153.6	153.6
RE 35, 90 W	161	DCT 22	542	142.8	142.8	149.5	149.5	156.2	156.2	162.9	162.9
RE 35, 90 W	161	AB 28	587	140.2	140.2	146.9	146.9	153.6	153.6	160.3	160.3
RE 35, 90 W	161	HEDS 5540/AB 28	535/587	158.2	158.2	164.9	164.9	171.6	171.6	178.3	178.3
RE 35, 90 W	161			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	539	-	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	539/584	-	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



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

Part numbers									
363900	363901	363904	363909	363910	363915	363920	363925	363930	
	363902	363905		363911	363916	363921	363926	363931	
	363903	363906		363912	363917	363922	363927	363932	
		363907		363913	363918	363923	363928		
		363908		363914	363919	363924	363929		



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	519/585	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	99.4	99.4	106.1	106.1	112.8	112.8	112.8
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	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