江阴市得灵机械有限公司
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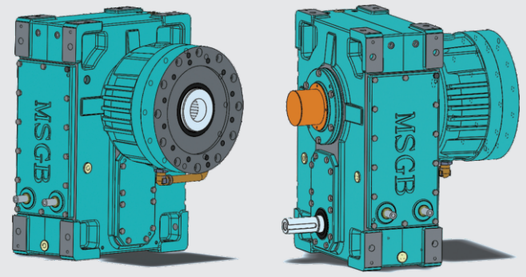
企业公众号 Enterprise WeChat Signal

微信号 WeChat Signal

得灵 DE LING

JIANGYIN DELING GEARBOX

品质齿轮箱专业制造商
Quality gearbox professional manufacturer



高扭矩 单螺杆齿轮箱
High torque single screw gearbox

江阴市得灵机械有限公司
JIANGYIN DELING MACHINERY CO.,LTD

匠之心，匠之品

得灵齿轮箱，灵动全球

Exquisite Craftsmanship, Create Quality

Deling Gearbox, Lead the World

橡塑挤出行业齿轮箱领跑者

Rubber and plastic extrusion industry gearbox leader

COMPANY PROFILE

品质齿轮箱专业制造商

Quality gearbox professional manufacturer

江阴市得灵机械有限公司创建于2002年，地处长江三角洲经济发达的江阴市徐霞客镇峭岐工业园区。公司东靠近沿江高速徐霞客道口，西靠京沪（锡澄）高速，北邻江阴南道口，南距璜塘高速道口三公里，去往无锡硕放国机机场、高铁站车程均为30分钟，交通十分便利。

公司占地面积1.5万余平方米，建筑面积1万平方米，具有生产齿轮和传动部件、硬齿面齿轮箱整机、变速箱、机械零件、零部件、通用零部件的加工制造能力，拥有各类专用齿轮加工设备30多台（滚齿机、成型磨齿机），通用设备及专用工装100余台（套），箱体数控镗加工中心设备20多台，齿轮测量中心2台，大型加载试验平台，专用清洗流水线一台套，超声波清洗机一台，是目前齿轮箱行业内最具先进加工设备的生产厂家。

公司2015年通过ISO9001质量管理体系认证；2018年获得江苏省高新技术企业认定，并于当年成立江阴市工程技术研究中心并获得市科技局的认定批复；2020年获得江苏省民营科技企业称号；2021年通过ISO14001环境管理体系认证和ISO45001职业健康安全管理体系认证。公司现有员工160多名，其中工程技术人员15名，质量检验员10名，聘用德国齿轮设计师2名，教授级高工4名。

公司是硬齿面齿轮、齿轮箱专业制造商，经过十八年的耕耘和积累，已发展成为一个初具规模、生产设备精良、检测手段齐全、工艺体系保证完备、经济实力较强的齿轮、齿轮箱专业制造生产企业。

公司将以一流的质量、一流的服务、利他的文化，更满足国内外顾客的需求！

Jiangyin Deling Machinery Co., Ltd., founded in 2002, and located in Qiaoqi Industrial Park, XuXiake Town, Jiangyin City, Jiangsu province. It is a 30 minutes drive from Wuxi Shuofang National Airport or High-speed Railway Station, and the transportation is very convenient.

The company covers an area of more than 15000 square meters and has the processing and manufacturing capacity of producing gears and transmission parts, Hard tooth surface gearbox , reducers, mechanical parts, and general parts. Our company has more than 30 sets of special gear processing equipment (Gear hobbing machine, Forming gear grinding machine); More than 100 sets of general equipment and special tooling; More than 20 sets of box CNC boring machining center equipment; 2 sets of gear measuring center; Large loading test platform; One set of special cleaning line and one set of ultrasonic cleaning machine. Which is the manufacturer with the most advanced processing equipment in the gearbox industry at present.

The company passed the ISO9001 quality management system certification in 2015, recognized as a high-tech enterprise in Jiangsu Province, established the Jiangyin Engineering Technology Research Center and obtained the approval of the Municipal Science and Technology Bureau in 2018, awarded the title of Jiangsu Private Technology Enterprise in 2020, passed ISO14001 Environmental Management System Certification and ISO45001 Occupational Health and Safety Management System Certification in 2021. The company has more than 160 employees, including 15 engineers and technicians, 10 quality inspectors, 2 German gear designers, and 4 professor-level senior engineers.

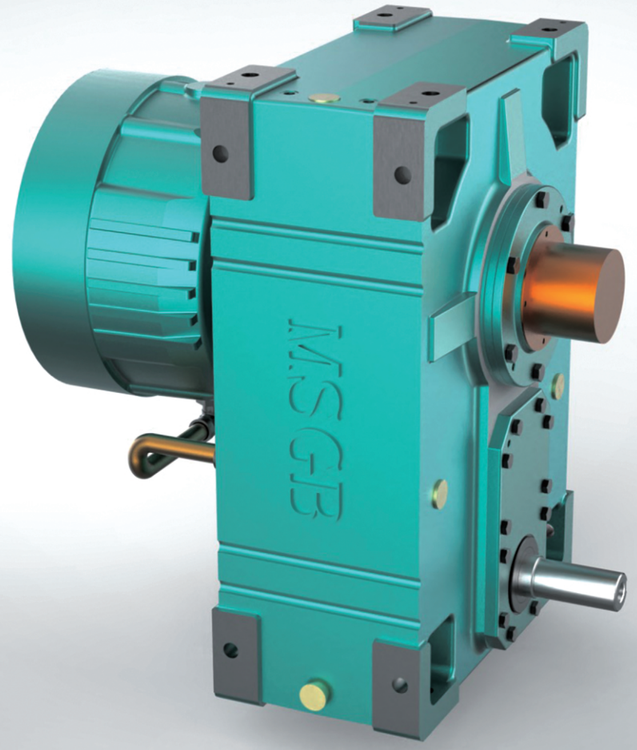
The company is a professional manufacturer of hard-tooth surface gears and gearboxes. After 18 years of cultivation and accumulation, it has developed into a professional manufacturing enterprise of gears and gear boxes with large scale, excellent production equipment, complete testing methods, complete process system guarantee and strong economic strength.

The company will use first-class quality, first-class service, and altruistic culture to meet the needs of customers at home and abroad!

DELING

市场决定未来

Market determines the future

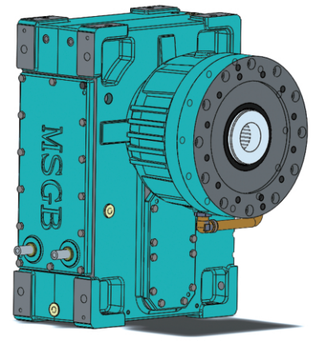


严谨、务实、永不松懈的工作作风，根植于得灵的每一道工序中，得灵人高度负责的用心溶于每一个产品部件之中，加上先进的制造装备和严格的科学化管理，使每一个生产的成品经得住客户的精挑细选。

The rigorous, pragmatic and never-relaxing work style is rooted in every process of Deling, and the highly responsible and deliberately dissolved in every product component, coupled with advanced manufacturing equipment and strict scientific management, make each finished product pass the customer's careful selection.

H/EXXXSGB2系列产品简介

H/EXXXSGB2 Series Product Introduction



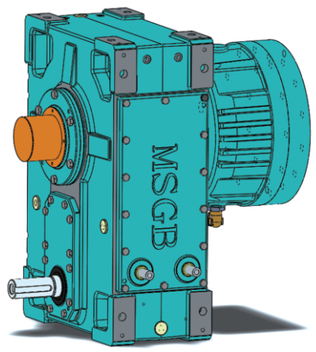
H/E系列单螺杆挤出机高扭矩齿轮箱，是针对单螺杆塑料挤出机行业发展所需要之提产能，增效益，降能耗，减少碳排放的国家能源政策而专门开发的。具有体积小，承载能力高，传递效率高、平稳等优点。

箱体采用整体结构设计，使用优质铸铁铸造，进行有限元分析。提高了箱体的承载力，增强了箱体的强度，保证了齿轴与齿轮的最佳啮合。在优化结构与重量的同时，保证了可靠的强度。

传动轮系中齿轮采用了超高强度特殊合金钢材料，经过精心的加工制造与热处理工艺，并对热处理及磨齿工序采用了‘特殊过程’控制管控手段。齿轮设计采用加大齿根圆角半径来加强轮齿强度，通过引进德国的齿轮设计软件来计算齿向、齿廓修形；使齿轮啮合的接触应力、法向力过渡平滑（极大的来减少噪音）；并使齿轮载荷分布均匀，没有明显的突变，减少了由齿轮受载变形和制造误差引起的啮合冲击，改善了齿面的润滑状态（有效降低温升）；并获得了较为均匀的载荷分布，有效提高了齿轮的啮合性能和承载能力。

润滑系统采用了模块化设计，内外置油路共同强制润滑和冷却系统。H系列轴承均采用德国FAG、INA品牌，E系列轴承主要采用国内一线品牌轴承，高速部分仍采用德国FAG、INA品牌。推力轴承采用模块化设计，两种不同的配置能带给客户更为实际的经济价值。

H/E系列齿轮箱有精细化的设计及研发，严格的工艺流程及管控，精密的加工技术及装备；齿轮承载采用无限寿命原则计算，国际领先的齿向、齿廓修形技术。得灵人的价值使命，使每一个客户因最终选用H/E系列齿轮箱而达到一个新高度。



The H/E series single screw extruder high torque gearbox is specially developed for the national energy policy of increasing production capacity, increasing efficiency, reducing energy consumption and reducing carbon emissions required by the development of the single screw plastic extruder industry. It has the advantages of small size, high carrying capacity, high transmission efficiency and stability.

The box is designed as a whole and cast with high-quality cast iron for finite element analysis. The carrying capacity of the box is improved, the strength of the box is enhanced, and the best meshing between the gear shaft and the gear is ensured.While optimizing the structure and weight, it aslo ensures reliable strength.

The gears in the transmission gear train are made of ultra-high-strength special alloy steel, which have undergone meticulous manufacturing and heat treatment processes, with adopted ‘special process’ control methods for heat treatment and gear grinding procedures.The gear design adopts enlarging the root fillet radius to enhance the strength of the gear teeth. Through the introduction of German gear design software to calculate the tooth direction and tooth profile modification;Which make the contact stress and normal force of gear meshing transition smoothly (greatly reduce noise);And make the gear load distribution uniform without obvious mutation,reduce the meshing impact caused by the deformation of the gear and the manufacturing error,improve the lubrication state of the tooth surface (effectively reduce the temperature rise); And obtain a more uniform load distribution, Effectively improve the gear meshing performance and carrying capacity.

The lubrication system adopts modular design, and the internal and external oil circuits work together to force the lubrication and cooling system.H series bearings adopt German FAG and INA brands, E series bearings mainly adopt domestic first-line brand bearings, and high-speed parts still adopt German FAG and INA brands.The thrust bearing adopts modular design, and two different configurations can bring customers more practical economic value.

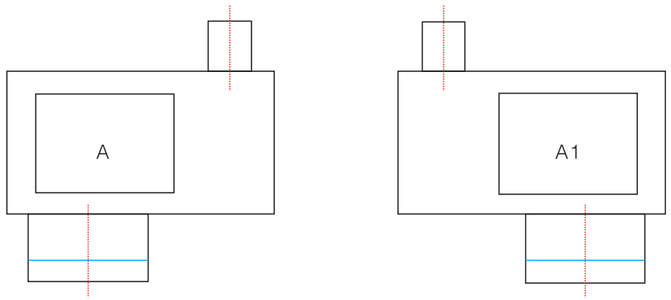
The H/E series gearboxes have refined design and development, strict process and control, and precise processing technology and equipment; The gear bearing is calculated using the principle of unlimited life, and the world's leading tooth profile and tooth profile modification technology.The value mission of Deling people makes every customer reach a new height by finally choosing H/E series gearbox.

型号与命名 Model and Designation

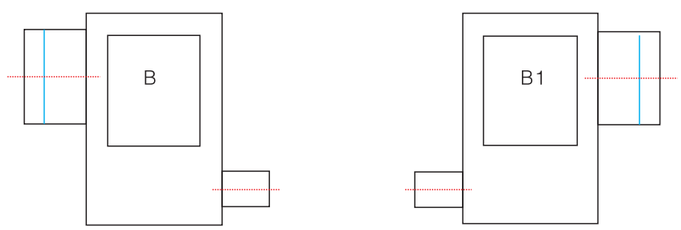
H XXX SGB 2 . 1 - 10 . A

- H：高扭矩单螺杆专用齿轮箱
  H——高端配置
  E——普通配置
  High torque single screw gearbox
  H--High-end configuration
  E--Common configuration
- XXX：齿轮箱型号 Gearbox model
- SGB：传动级数 2级传动 Transmission stage 2-Stage drive
- 2：推力轴承
  1：小型号推力
  省略：大型号推力
  Thrust bearing
  1: Small model thrust
  Omitted: Large thrust
- 1：传动比 Rato
- A：安装方式
  A：卧式第一种
  B：立式第一种
  A1：卧式第二种
  B1：立式第二种
  Installation method
  A: The first horizontal type
  B: The first vertical type
  A1: The second horizontal type
  B1: The second vertical type

安装型式 Installation Method



卧式安装 Horizontal installation



立式安装 Vertical installation

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齿轮箱选型 Gearbox Selection

选择公称速比： Select nominal speed ratio

输入转速：n_1=1500rpm 输出转速：n_2=185rpm

计算速比：i= n_1/ n_2=8.1选择最接近公称速比8

计算使用扭矩： Calculated torque

使用功率：P_2=132Kw

需求齿轮箱所使用扭矩T_2=9550*P_2/n_1=9550*132/185=6814Nm

确定齿轮箱型号： Determine gearbox model

方案1：查表2选择H136SGB2/E180SGB2,此机型额定扭矩T_{2N}=8000Nm

工况系数F_s=8000/6814=1.17

方案2：查表2选择H140SGB2/E195SGB2,此机型额定扭矩T_{2N}=10000Nm

工况系数F_s=10000/6814=1.47

工作情况系数Fs Working condition factor

载荷性质 Load character	工作机 Working machine	原动机 Prime motor					
		空、轻载启动 Empty and light load			负载启动 Load start		
		每天工作时间/h Daily working hours					
		<10	10~16	>16	<10	10~16	>16
		1.2	1.3	1.4	1.4	1.5	1.6

根据以上表格，确定齿轮箱型号为H140SGB2/E195SGB2

推力轴承寿命： Thrust bearing service life

螺杆直径：D=60mm 机头压力：P_s=500bar 要求寿命L_{10h}≥20000h

轴向载荷Fa= π *D^2* P_s/(4*10000)= π * 60^2*500/(4*10000)=141KN

方案1：H140SGB2.1推力轴承为29418，FAG品牌，C_d=880 KN

轴承寿命L_{10h}=【10^6/(60*n_2)】*(C_d/Fa)$^{(10/3)}$= 39438h;

E195SGB2.1推力轴承为29418，其他品牌，C_d=747 KN

轴承寿命L_{10h}=【10^6/(60*n_2)】*(C_d/Fa)$^{(10/3)}$= 22840h;

方案2：H140SGB2推力轴承为29422，FAG品牌，C_d=1260 KN

轴承寿命L_{10h}=【10^6/(60*n_2)】*(C_d/Fa)$^{(10/3)}$= 130479h

E195SGB2推力轴承为29422，其他品牌，Cd=1048 KN

轴承寿命L_{10h}=【10^6/(60*n_2)】*(C_d/Fa)$^{(10/3)}$=70606h

综上采用方案1即可。

安装方式 Installation type

根据客户设计要求或现场布置情况，依据安装方式示意图进行选择。

如：立式安装B1型。

最终选型 Final selection

客户选择高端配置，选择型号为H140SGB2.1-8-B1

客户选择普通配置，选择型号为E195SGB2.1-8-B1

技术参数 Technical Parameter

H/EXXXSGB2 单螺杆齿轮箱额定功率 (KW)
H/EXXXSGB2 Single Screw Gearbox Rated Power (KW)

高速轴转速rpm Input speed	公称传动比 Nominal Ratio	H110SGB2	H115SGB2	H120SGB2	H130SGB2	H136SGB2	H140SGB2	H150SGB2	H160XSGB2
		E100SGB2	E125SGB2	E140SGB2	E160SGB2	E180SGB2	E195SGB2	E220SGB2	E225SGB2
1800	8	33	66	94	141	188	236	306	424
	9	29	59	84	126	168	209	272	377
	10	26	53	75	113	151	188	245	339
	11	24	47	67	101	135	168	219	303
	13	21	42	60	90	121	151	196	271
	14	19	38	54	81	108	135	175	242
	16	16	33	47	71	94	118	153	212
	18	15	29	42	63	84	105	136	188
	20	13	26	38	57	75	94	123	170
1500	8	27	55	79	118	157	196	255	353
	9	24	49	70	105	140	175	227	314
	10	22	44	63	94	126	157	204	283
	11	20	39	56	84	112	140	182	252
	13	18	35	50	75	101	126	163	226
	14	16	31	45	67	90	112	146	202
	16	14	27	39	59	79	98	128	177
	18	12	24	35	52	70	87	113	157
	20	11	22	31	47	63	79	102	141
1000	8	18	37	52	79	105	131	170	236
	9	16	33	47	70	93	116	151	209
	10	15	29	42	63	84	105	136	188
	11	13	26	37	56	75	93	122	168
	13	12	23	34	50	67	84	109	151
	14	10	21	30	45	60	75	97	135
	16	9	18	26	39	52	65	85	118
	18	8	16	23	35	47	58	76	105
	20	7	15	21	31	42	52	68	94
750	8	14	27	39	59	79	98	128	177
	9	12	24	35	52	70	87	113	157
	10	11	22	31	47	63	79	102	141
	11	10	20	28	42	56	70	91	126
	13	9	18	25	38	50	63	82	113
	14	8	16	22	34	45	56	73	101
	16	7	14	20	29	39	49	64	88
	18	6	12	17	26	35	44	57	79
	20	5	11	16	24	31	39	51	71

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技术参数 Technical Parameter
H/EXXXSGB2 单螺杆齿轮箱额定功率 (KW)
H/EXXXSGB2 Single Screw Gearbox Rated Power (KW)

高速轴转速rpm Input speed	公称传动比 Nominal Ratio	H160SGB2	H170SGB2	H180SGB2	H180XSGB2	H190SGB2	H200SGB2	H210SGB2	
		E270SGB2	E275SGB2	E320SGB2	E320XSGB2	E325SGB2	E360SGB2	E400SGB2	
1800	8	589	707	884	1037	1237	1767	2120	
	9	524	628	785	921	1099	1571	1885	
	10	471	565	707	829	990	1414	1696	
	11	421	505	631	740	884	1262	1515	
	13	377	452	565	663	792	1131	1357	
	14	337	404	505	592	707	1010	1212	
	16	295	353	442	518	618	884	1060	
	18	262	314	393	461	550	785	942	
	20	236	283	353	415	495	707	848	
1500	8	491	589	736	864	1031	1473	1767	
	9	436	524	654	768	916	1309	1571	
	10	393	471	589	691	825	1178	1414	
	11	351	421	526	617	736	1052	1262	
	13	314	377	471	553	660	942	1131	
	14	280	337	421	494	589	841	1010	
	16	245	295	368	432	515	736	884	
	18	218	262	327	384	458	654	785	
	20	196	236	295	346	412	589	707	
1000	8	327	393	491	576	687	982	1178	
	9	291	349	436	512	611	873	1047	
	10	262	314	393	461	550	785	942	
	11	234	280	351	411	491	701	841	
	13	209	251	314	369	440	628	754	
	14	187	224	280	329	393	561	673	
	16	164	196	245	288	344	491	589	
	18	145	175	218	256	305	436	524	
	20	131	157	196	230	275	393	471	
750	8	245	295	368	432	515	736	884	
	9	218	262	327	384	458	654	785	
	10	196	236	295	346	412	589	707	
	11	175	210	263	309	368	526	631	
	13	157	188	236	276	330	471	565	
	14	140	168	210	247	295	421	505	
	16	123	147	184	216	258	368	442	
	18	109	131	164	192	229	327	393	
	20	98	118	147	173	206	295	353	

技术参数 Technical Parameter

H/EXXXSGB2 单螺杆齿轮箱额定扭矩 (Nm)
H/EXXXSGB2 Single Screw Gearbox Rated Torque (Nm)

H110SGB2	H115SGB2	H120SGB2	H130SGB2	H136SGB2	H140SGB2	H150SGB2	H160XSGB2
E100SGB2	E125SGB2	E140SGB2	E160SGB2	E180SGB2	E195SGB2	E220SGB2	E225SGB2
1400	2800	4000	6000	8000	10000	13000	18000
H160SGB2	H170SGB2	H180SGB2	H180XSGB2	H190SGB2	H200SGB2	H210SGB2	
E270SGB2	E275SGB2	E320SGB2	E320XSGB2	E325SGB2	E360SGB2	E400SGB2	
25000	30000	37500	44000	52500	75000	90000	

H/EXXXSGB2 单螺杆齿轮箱精确传动比
H/EXXXSGB2 Single Screw Gearbox Precise Transmission Ratio

公称传动比 Nominal Ratio	H110SGB2	H115SGB2	H120SGB2	H130SGB2	H136SGB2	H140SGB2	H150SGB2	H160XSGB2
	E100SGB2	E125SGB2	E140SGB2	E160SGB2	E180SGB2	E195SGB2	E220SGB2	E225SGB2
8	8.1			8.0	8.0	7.9	7.9	7.9
9	8.9	9.1	9.1	9.0	9.0	8.8	8.8	8.8
10	9.9	10.0	10.0	9.9	10.0	9.9	9.9	9.8
11.2	11.1	11.2	11.2	11.0	11.2	10.9	10.9	10.9
12.5	12.6	12.5	12.5	12.6	12.6	12.6	12.6	12.5
14	14.1	14.1	14.1	14.1	14.0	14.2	14.2	13.9
16	16.0	16.1	16.1	16.0	16.0	15.8	15.8	15.7
18	17.8	18.4	18.4	17.9	18.1	18.0	18.0	17.6
20	20.0	19.9	19.9	19.9	19.9	19.5	19.5	19.7

公称传动比 Nominal Ratio	H160SGB2	H170SGB2	H180SGB2	H180XSGB2	H190SGB2	H200SGB2	H210SGB2	
	E270SGB2	E275SGB2	E320SGB2	E320XSGB2	E325SGB2	E360SGB2	E400SGB2	
8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
9	8.9	9.0	9.0	9.0	9.0	8.9	8.9	
10	10.0	10.1	9.7	10.1	10.0	10.0	9.9	
11.2	11.1	11.3	11.0	11.3	11.1	11.2	11.1	
12.5	12.4	12.8	12.3	12.7	12.6	12.4	12.6	
14	13.8	14.4	13.8	14.2	14.1	14.0	14.1	
16	15.7	16.0	15.7	16.0	16.0	16.0	15.8	
18	17.6	18.2	17.5	18.2	18.1	17.7	17.9	
20	19.8	19.8	19.5	19.5	20.4	20.0	20.0	

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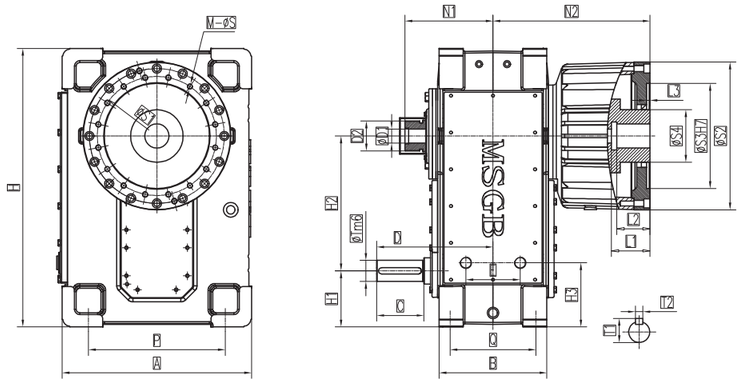
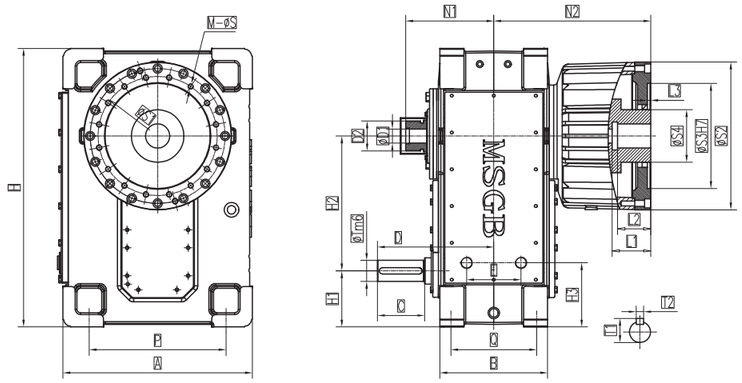
HXXXSGB2
H110SGB2–H150SGB2



型号 Model	P	Q	H1	H2	H3	H	ΦD1	D2	A	B	输入轴 Input shaft					
											速比 Ratio	ΦT	T1	T2	C	D
H110SGB2	170	130	80	180	171	385	16	M36X4	254	164	8–20	Φ28m6	31	8	80	197
H115SGB2	275	156	98	225	228	498	20	M46X4	380	200	8–20	Φ32m6	35	10	80	214.5
H120SGB2	290	155	98	240	242.5	528	30	M56X4	395	200	8–20	Φ32m6	35	10	80	214.5
H130SGB2	290	175	108	270	260.5	588	30	M56X4	425	220	8–20	Φ38m6	41	10	80	226
H130SGB2.1																
H136SGB2	310	182	108	300	313	648	30	M56X4	450	228	8–20	Φ38m6	41	10	80	226
H140SGB2	350	206	108	325	172	683	30	M56X4	490	252	8–14	Φ45m6	48.5	14	100	271
											16–20	Φ38m6	41	10	80	251
H140SGB2.1											8–14	Φ45m6	48.5	14	100	271
											16–20	Φ38m6	41	10	80	251
H150SGB2	350	206	108	350	172	708	40	M76X4	490	252	8–14	Φ45m6	48.5	14	100	271
											16–20	Φ38m6	41	10	80	251
H150SGB2.1											8–14	Φ45m6	48.5	14	100	271
											16–20	Φ38m6	41	10	80	251

型号 Model	N1	N2	E	输出轴及推力轴承 Output shaft and thrust bearing								
				ΦS1	ΦS2	ΦS3	ΦS4	M–ΦS	渐开线花键 Involute spline	L1	L2	L3	推力轴承 Thrust bearing
H110SGB2	131	239	60	176	230	150	75	12–M14	INT 24Zx2mx30R	65	50	10	29412
H115SGB2	179	309	70	206	272	175	95	12–M16	INT 26Zx2mx30R	65	50	10	29416
H120SGB2	187	315	70	230	286	200	95	12–M16	INT 26Zx2mx30R	65	50	10	29418
H130SGB2	197.5	310	90	230	284	200	95	12–M16	INT 28Zx2mx30R	70	55	10	29418
H130SGB2.1		304		206	270	175							29416
H136SGB2	213.5	355	90	270	332	225	110	12–M16	INT 23Zx2.5mx30R	85	70	10	29422
H140SGB2	224.5	376.5	120	270	330	225	110	12–M16	INT 19Zx3mx30R	90	75	10	29422
H140SGB2.1		353.5		240	300	195							29418
H150SGB2	226.5	400.5	120	300	381	265	130	16–M16	INT 24Zx3mx30R	95	80	10	29426
H150SGB2.1		366.5		255	330	215							29422

HXXXSGB2
H160XSGB2-H210SGB2



型号 Model	P	Q	H1	H2	H3	H	ΦD1	D2	A	B	输入轴 Input shaft					
											速比 Ratio	ΦT	T1	T2	C	D
H160XSGB2	390	245	160	385	183	795	40	M85X4	540	307	8-20	Φ60m6	64	18	135	332
H160XSGB2.1																
H160SGB2	430	245	160	430	182	900	40	M85X4	580	307	8-20	Φ60m6	64	18	135	332
H160SGB2.1																
H170SGB2	460	280	185	455	200	960	50	M90X4	640	354	8-20	Φ75m6	79.5	20	140	355.5
H170SGB2.1																
H180SGB2	540	280	185	500	206.5	1055	50	M90X4	720	354	8-20	Φ75m6	79.5	20	140	355.5
H180SGB2.1																
H180XSGB2	540	280	185	530	221.5	1085	50	M90X4	720	354	8-20	Φ75m6	79.5	20	140	355
H190SGB2	552	300	225	545	239.5	1165	50	M90X4	770	399.5	8-20	Φ90m6	95	25	165	407
H190SGB2.1																
H200SGB2	540	385	200	595	245	1200	80	M120X4	720	464	8-20	Φ90m6	95	25	165	436.5
H210SGB2	604	370	225	665	297.5	1330	80	M120X4	800	479	8-20	Φ90m6	95	25	165	456

型号 Model	N1	N2	E	输出轴及推力轴承 Output shaft and thrust bearing								
				ΦS1	ΦS2	ΦS3	ΦS4	M-ΦS	渐开线花键 Involute spline	L1	L2	L3	推力轴承 Thrust bearing
H160XSGB2	251	448	155	340	422	300	150	16-M16	INT 24Zx3mx30R	110	95	10	29432
H160XSGB2.1		428		300	364	265							29426
H160SGB2	247	456	155	360	446	330	150	16-M16	INT 28Zx3mx30R	110	95	10	29434
H160SGB2.1		428		300	387	265							29426
H170SGB2	282	509	190	360	459	320	170	16-M20	INT 28Zx3mx30R	129	114	10	29434
H170SGB2.1		476		310	408	265							29428
H180SGB2	283	507	190	380	478	340	170	16-M20	INT 32Zx3mx30R	131	116	10	29436
H180SGB2.1		483		340	438	300							29430
H180XSGB2	283	507	190	380	478	340	170	16-M20	INT 32Zx3mx30R	131	116	10	29436
H190SGB2	313	552	220	420	530	370	200	16-M20	INT 26Zx4mx30R	140	120	10	29440
H190SGB2.1		525		400	498	350							29432
H200SGB2	357	634	220	500	578	440	260	16-M24	INT 32Zx4mx30R	170	150	10	29448
H210SGB2	369	709.5	220	560	650	480	280	16-M24	INT 36Zx4mx30R	190	170	10	29456

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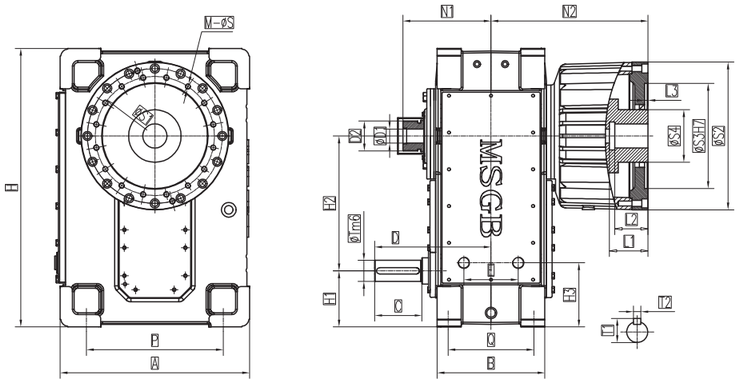
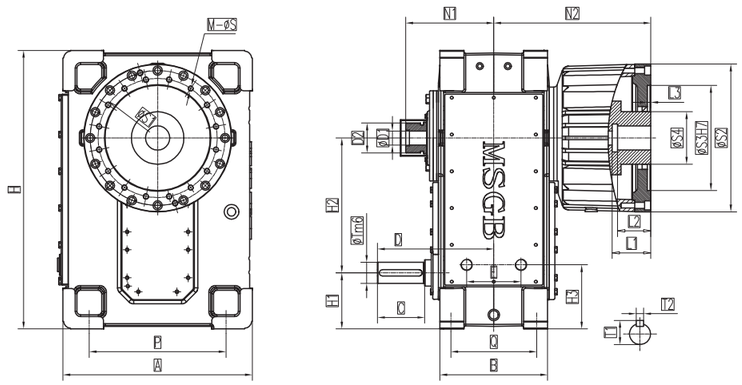
EXXXSGB2
E100SGB2-E220SGB2



型号 Model	P	Q	H1	H2	H3	H	ΦD1	D2	A	B	输入轴 Input shaft					
											速比 Ratio	ΦT	T1	T2	C	D
E100SGB2	170	130	80	180	171	385	16	M36X4	254	164	8-20	Φ28m6	31	8	80	197
E125SGB2	275	156	98	225	228	498	20	M46X4	380	200	8-20	Φ32m6	35	10	80	214.5
E140SGB2	290	155	98	240	242.5	528	30	M56X4	395	200	8-20	Φ32m6	35	10	80	214.5
E160SGB2	290	175	108	270	260.5	588	30	M56X4	425	220	8-20	Φ38m6	41	10	80	226
E160SGB2.1																
E180SGB2	310	182	108	300	313	648	30	M56X4	450	228	8-20	Φ38m6	41	10	80	226
E195SGB2	350	206	108	325	172	683	30	M56X4	490	252	8-14	Φ45m6	48.5	14	100	271
											16-20	Φ38m6	41	10	80	251
E195SGB2.1											8-14	Φ45m6	48.5	14	100	271
											16-20	Φ38m6	41	10	80	251
E220SGB2	350	206	108	350	172	708	40	M76X4	490	252	8-14	Φ45m6	48.5	14	100	271
											16-20	Φ38m6	41	10	80	251
E220SGB2.1											8-14	Φ45m6	48.5	14	100	271
											16-20	Φ38m6	41	10	80	251

型号 Model	N1	N2	E	输出轴及推力轴承 Output shaft and thrust bearing									
				ΦS1	ΦS2	ΦS3	ΦS4	M-ΦS	渐开线花键 Involute spline	L1	L2	L3	推力轴承 Thrust bearing
E100SGB2	131	239	60	176	230	150	75	12-M14	INT 24Zx2mx30R	65	50	10	29412
E125SGB2	179	309	70	206	272	175	95	12-M16	INT 26Zx2mx30R	65	50	10	29416
E140SGB2	187	315	70	230	286	200	95	12-M16	INT 26Zx2mx30R	65	50	10	29418
E160SGB2	197.5	310	90	230	284	200	95	12-M16	INT 28Zx2mx30R	70	55	10	29418
E160SGB2.1		304		206	270	175							29416
E180SGB2	213.5	355	90	270	332	225	110	12-M16	INT 23Zx2.5mx30R	85	70	10	29422
E195SGB2	224.5	376.5	120	270	330	225	110	12-M16	INT 19Zx3mx30R	90	75	10	29422
E195SGB2.1		353.5		240	300	195							29418
E220SGB2	226.5	400.5	120	300	381	265	130	16-M16	INT 24Zx3mx30R	95	80	10	29426
E220SGB2.1		366.5		255	330	215							29422

EXXXSGB2
E225SGB2-E400SGB2



型号 Model	P	Q	H1	H2	H3	H	ΦD1	D2	A	B	输入轴 Input shaft					
											速比 Ratio	ΦT	T1	T2	C	D
E225SGB2	390	245	160	385	183	795	40	M85X4	540	307	8–20	Φ60m6	64	18	135	332
E225SGB2.1																
E270SGB2	430	245	160	430	182	900	40	M85X4	580	307	8–20	Φ60m6	64	18	135	332
E270SGB2.1																
E275SGB2	460	280	185	455	200	960	50	M90X4	640	354	8–20	Φ75m6	79.5	20	140	355.5
E275SGB2.1																
E320SGB2	540	280	185	500	206.5	1055	50	M90X4	720	354	8–20	Φ75m6	79.5	20	140	355.5
E320SGB2.1																
E320XSGB2	540	280	185	530	221.5	1085	50	M90X4	720	354	8–20	Φ75m6	79.5	20	140	355
E325SGB2	552	300	225	545	239.5	1165	50	M90X4	770	399.5	8–20	Φ90m6	95	25	165	407
E325SGB2.1																
E360SGB2	540	385	200	595	245	1200	80	M120X4	720	464	8–20	Φ90m6	95	25	165	436.5
E400SGB2	604	370	225	665	297.5	1330	80	M120X4	800	479	8–20	Φ90m6	95	25	165	456

型号 Model	N1	N2	E	输出轴及推力轴承 Output shaft and thrust bearing									
				ΦS1	ΦS2	ΦS3	ΦS4	M–ΦS	渐开线花键 Involute spline	L1	L2	L3	推力轴承 Thrust bearing
E225SGB2	251	448	155	340	422	300	150	16–M16	INT 24Zx3mx30R	110	95	10	29432
E225SGB2.1		428		300	364	265							29426
E270SGB2	247	456	155	360	446	330	150	16–M16	INT 28Zx3mx30R	110	95	10	29434
E270SGB2.1		428		300	387	265							29426
E275SGB2	282	509	190	360	459	320	170	16–M20	INT 28Zx3mx30R	129	114	10	29434
E275SGB2.1		476		310	408	265							29428
E320SGB2	283	507	190	380	478	340	170	16–M20	INT 32Zx3mx30R	131	116	10	29436
E320SGB2.1		483		340	438	300							29430
E320XSGB2	283	507	190	380	478	340	170	16–M20	INT 32Zx3mx30R	131	116	10	29436
E325SGB2	313	552	220	420	530	370	200	16–M20	INT 26Zx4mx30R	140	120	10	29440
E325SGB2.1		525		400	498	350							29432
E360SGB2	357	634	220	500	578	440	260	16–M24	INT 32Zx4mx30R	170	150	10	29448
E400SGB2	369	709.5	220	560	650	480	280	16–M24	INT 36Zx4mx30R	190	170	10	29456

得灵大事记
Deling Events

WE KEEP WORKING
我们一直在努力

2021
通过ISO14001环境管理体系认证和ISO45001职业健康安全管理体系认证
Passed ISO14001 Environmental Management System Certification and ISO45001 Occupational Health and Safety Management System Certification

2020
获得江苏省民营科技企业称号
Awarded the title of Jiangsu Private Technology Enterprise

2018
公司成为国家级技术企业，每年获多项国家专利
DELING has become a state-level technical enterprise. DELING's products are awarded a number of national patents every year.

2017
成功研发制造全球最大锥形双螺杆挤出机齿轮箱
Successfully developed and manufactured the world's largest gearbox for conical twin screw extruders.

2016
公司生产流程全面采用电脑化管理，持续引进国内外先进加工中心，加工设备持续更新换代
Proceeded production process by E-management system, introduced advanced machining centers at home and abroad, continuous upgrading of processing equipments.

2016
公司年营业额破亿，累计销售齿轮箱破30000台
The annual turnover of the company broke 100 million, and the total sales of gearboxes broke 30000 units.

2014
公司被全国橡塑机械信息中心授聘为理事单位，并与青岛科技大学合作建成橡胶机械齿轮与传动工程研发中心。
Company was appointed as the governing unit by the national rubber and plastic machinery information center, built R & D center of gear and Transmission Engineering Technology Department of rubber extruding machinery with QUST.

2010
购进全球先进德国格里森P600/800G数控成型磨齿机及齿轮检测设备
Purchased German Gleason P600/800G CNC gear grinding equipment & high precision gear tester

2008
公司通过ISO9001：2008国际质量管理体系认证和CE认证
Acquired ISO 9001：2008 International Quality Certification & CE certification

2002
得灵公司成立于江苏江阴峭岐工业园
DELING group established in Qiaoqi Industrial Park, Jiangyin, Jiangsu