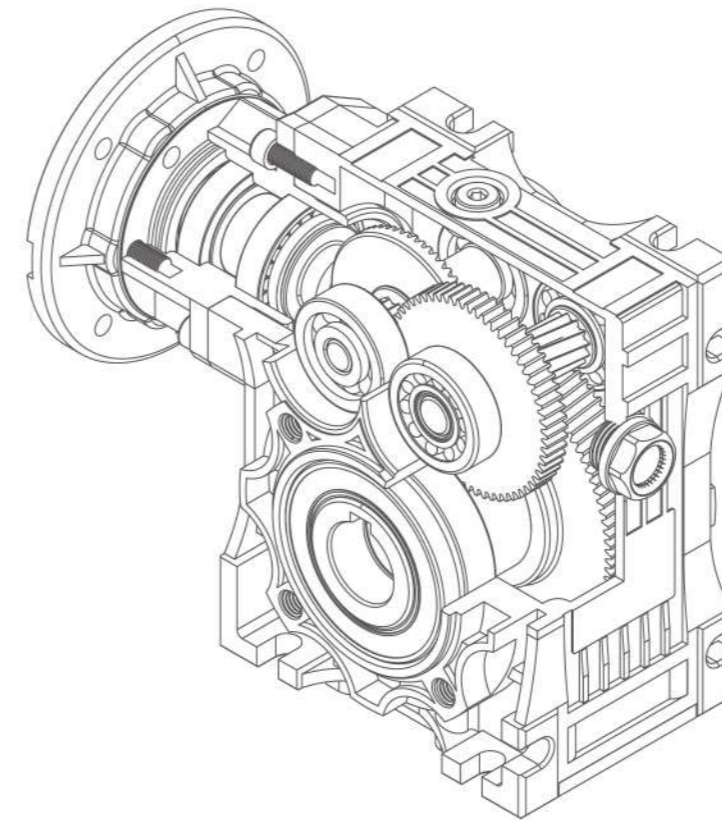




**JIAOXING**  
**椒星传动**

**JHG** Helical-hypoid  
/ Series / gear units  
斜齿-准双曲面齿轮减速器



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台州椒星传动设备有限公司  
Taizhou Jiaoxing transmission equipment Co.,Ltd

SINCE  
1985

## JIAOXING TRANSMISSION

To build Chinese first-class reduction transmission manufacturing enterprises with international influence.

打造具有国际影响力的中国一流  
减变速器制造企业

---

SINCE  
1985

# 01

## Enterprise Profile 企业简介



Taizhou Jiaoxing Transmission Equipment Co.,Ltd. is the member unit, employer's organization of variable-speed motor in the whole country. Develop the professionals factory of planet cone-disk stepless speed variator first at home.

Technical force is rich, the design and manufacturing capacity are strong, production is well equipped. It is self-contained to test, the management system is sound, and it had already passed ISO9000 quality certification system. Product quality is wide to receive the domestic and international user's favorable comment.

“开拓创新，质量为本。”  
“一分承诺，十分努力。”

台州椒星传动设备有限公司系全国减、变速器行业协会成员单位，是国内最早研制行星锥盘无级变速器的专业生产企业之一，技术力量雄厚，设计制造能力强，生产设施完善，测试设备齐全，管理制度健全，已通过ISO9000质量保证体系，产品质量广受国内外用户好评。

本公司生产的方形系列蜗杆减速器在选用材料和制造工艺上完全按照欧洲同类产品标准，如采用优质合成油，选用进口名牌密封件等，使我们的产品真正实现了全方位安装及免维护保养。目前产品广销全国各地，及配套出口世界各国。



The purpose of the company is: "innovation, quality - oriented." To the user pursues "one minute pledge, very diligently" the policy, devotes to the creation China reduces, the speed change machine profession first-class brand. Welcome domestic and foreign users and people from all walks of life sincere cooperation.

本公司的宗旨是：“开拓创新，质量为本”。对用户奉行“一分承诺，十分努力”的方针，致力于创中国减、变速器行业的一等品牌。欢迎国内外用户和各界人士精诚合作。



# 02

## Company Course

### 企业历程

Haimen Machinery plant was Established in 1985.

海门机械厂始建于1985年。



In order to expand production , company moved to new workshop cover an area of about 2000 m<sup>2</sup>. and changed name to Taizhou Planet Speed-Changing Machinery Factory.

为了扩大生产,公司搬到新厂房占地面积约2000 m<sup>2</sup>。并更名为台州行星变速机械厂。

# 1985

# 1993

Company joined China Reduction Transmission Industry Association and became the first members of the association.

公司加入中国减速器行业协会,成为协会首批会员单位。

# 1998

Company was purchased a building lot cover an area of 17000 m<sup>2</sup> as a reserve for future development. At the same year set up Taizhou Jiaoxing Transmission Equipment Co., Ltd.

公司购买建筑很多占地17000 m<sup>2</sup>为未来发展作为储备。同年成立台州椒星传动设备有限公司。



2017年通过ISO9001质量管理体系认证

# 2002

Company moved into new plant simultaneously Taizhou Planet Speed-Changing Machinery Factory merged into Taizhou Jiaoxing Transmission Equipment Co., Ltd., and created in-house R&D center to develop high precision gear unit - JDLB dual lead worm gearbox and XPG planetary gearbox.

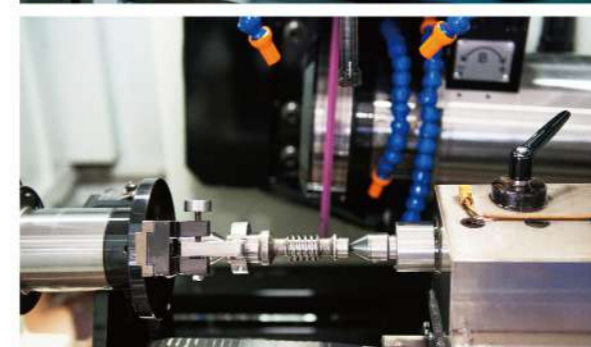
公司新厂同时迁入台州行星变速箱机械厂,并入台州椒星传动设备有限公司,并成立内部研发中心,研发高精度齿轮装置——JDLB双铅蜗杆变速箱和XPG行星变速箱。

# 2015

# 2017

2018年获国家级高新技术企业

# 2018



# 03

## Quality Management 品质管理

Constantly absorb and introduce the world's advanced transmission design concept, and with independent innovation design and development, test has long manufacturing experience, every year constantly update and improve the reducer products. In the production and research and development always in the industry leader.

不断吸收与引进世界先进的传动设计理念，并融以自主创新设计研发，试验已经长久的制造经验，每年不断的更新和完善减速机产品。在生产和研发上总是处于行业领军地位。严格执行ISO9001:2008质量体系，定期对员工开展各类培训。并在行业内率先运用5S生产管理方法检验设备员工培训。



# 04

## Including OPT Service Optimising 团队服务

The company manages with sincerity first, take the letter as this, always receives the good faith first management idea, wins the customer with the good faith, by the prestige occupation market.

公司经营以诚为先,以信为本,始终秉承诚信第一的经营理念,用诚信赢得客户,以信誉占领市场。



The huge customer service and after-sales technical personnel, 24-hour intimate service, professional pre-sales and after-sales service team and efficient factory production technology, to provide customers with professional and thoughtful technical services. According to customers encounter all kinds of difficult problems, to make specific technical solutions.

庞大的客服售后技术人员, 24小时贴心服务, 专业的售前售后服务团队和高效的工厂生产技术, 为客户提供专业周到的技术服务。可根据客户遇到各类疑难问题, 作出具体技术解决方案。实行高效的内部成本控制, 以及不断提高的数字化与机械化率, 从而降低了成本, 惠及客户。充足的产能, 便捷的物流, 能满足客户及时供货的各种需求。



With more than 30 years of industry accumulation and complete product system, you only need to provide your needs, we give you the corresponding custom solutions. The product variety is complete, only needs to submit your need, provides the choice plan for you by the specialized personnel, - the station type comfortable enjoys the service.

三十余年的行业积累和完整的产品体系, 您只需提供您的需求, 我们为您给出相应的定制解决方案。产品种类齐全, 只需提交您的需要, 由专业人员为您提供选择方案, 一站式舒心畅享服务。

参数符号对应表

SYMBOLS AND UNITS OF MEASURE

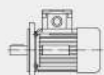
符号 Symbols	单位 Units	注解	Description
<b>P</b>	[kW]	功率	Power
<b>P<sub>1</sub></b>	[kW]	输入功率	Transmitted power at input shaft
<b>P<sub>2</sub></b>	[kW]	输出功率	Transmitted power at output shaft
<b>P<sub>n1</sub></b>	[kW]	额定输入功率	Rated input power
<b>M<sub>2</sub></b>	Nm	输出扭矩	Transmitted torque at output shaft
<b>M<sub>c2</sub></b>	Nm	计算的输出扭矩	Calculated torque at output shaft
<b>M<sub>n2</sub></b>	Nm	额定输出扭矩	Rated torque at output shaft
<b>M<sub>r2</sub></b>	Nm	需求的扭矩	Required torque at output shaft
<b>n<sub>1</sub></b>	min <sup>-1</sup>	输入转速	Angular input speed
<b>n<sub>2</sub></b>	min <sup>-1</sup>	输出转速	Angular output speed
<b>i</b>	-	减速比	Ratio
<b>η<sub>d</sub></b>	-	动态效率	Dynamic efficiency
<b>η<sub>s</sub></b>	-	静态效率	Static efficiency
<b>Z<sub>1</sub></b>	-	蜗杆齿数	Number of worm thread
<b>M<sub>x</sub></b>	-	轴向模数	Axial modulus
<b>f<sub>s</sub></b>	-	工作系数	Service factor
<b>J<sub>e</sub></b>	kgm <sup>2</sup>	在电机轴上衰减的惯性矩	Moment of the external inertia reduced at the drive shaft
<b>J<sub>m</sub></b>	kgm <sup>2</sup>	电机惯性矩	Moment of inertia of motor
<b>F<sub>r1</sub></b>	N	输入轴径向负荷	Input shaft radial load
<b>F<sub>r2</sub></b>	N	输出轴径向负荷	Output shaft radial load



重量标记



机型对应的尺寸图页码



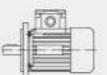
电机



Symbol referring to weight



Columns marked with this symbol indicate the reference page showing the dimensions of the selected unit.

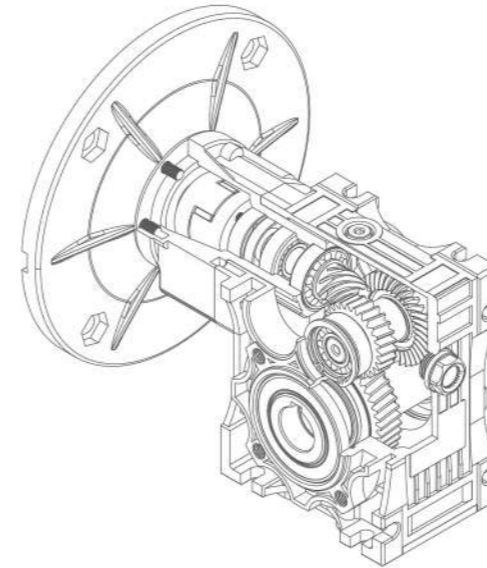


IEC motor

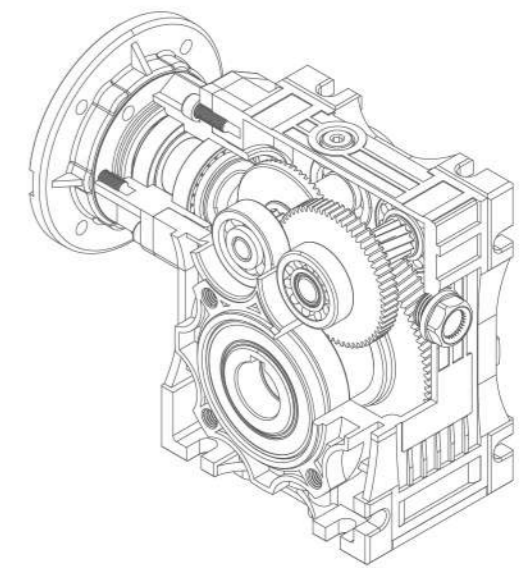
## JHG SERIES

斜齿-准双曲面齿轮减速

helical-hypoid gear units



JHG50~75 (i=7.5~60)



JHG50~75 (i=80~300)

## DESIGNATION

类型 Type	减速比 Ratio	输出 Output	输入法兰 Input flange	安装方位 Mounting position	颜色 Color	电机 Electric motor
<b>JHG75 - 200 - FA1-ASR-A1 - 63B5 - B3 - B - Y<sub>2</sub>0.18-4 / 1</b>						
						电机接线盒位置 Position of terminal box <b>1, 2, 3, 4</b>
						电机极数/Poles number <b>2, 4, 6</b>
						电机功率 Motor power
						电机类型/Type <b>Y<sub>2</sub>, YD, YVF, Y<sub>2</sub>EJ.....</b>
					颜色/Color <b>B = 银灰色/Silver gray L = 蓝色/Blue</b>	
				安装方位/Mounting position <b>B3, B6, B7, B8, V5, V6</b>		
			输入法兰 (电机类型)/Input flange (Motor mounting) <b>B5, B14</b>			
		扭力臂/Torque arm <b>A1, A2</b>				
		输出轴/Output shaft <b>ASL, ASR</b> (单向输出轴/Single output shaft) <b>AB</b> (双向输出轴/Double output shaft)				
		输出法兰/Flange mounting <b>FA, FB, FC, FD, FE</b> (型号/Version) <b>1, 2</b> (安装位置/Mounting side)				
	减速比/Reduction ratio <b>7.5, 10, 12.5, 15, 20, 25, 30, 40, 50, 60</b> (二级传动/Two-stage) <b>80, 100, 125, 150, 200, 250, 300</b> (三级传动/Three-stage)					
	减速器尺寸/Gearbox size <b>50, 63, 75</b>					
减速器类型/Reducer type <b>JHG</b>						

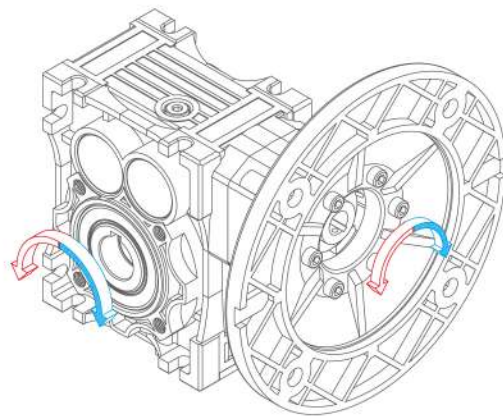
JHG特点

JHG系列减速器有50-63-75三种规格。速比7.5~60采用二级传动，速比80~300采用三级传动。

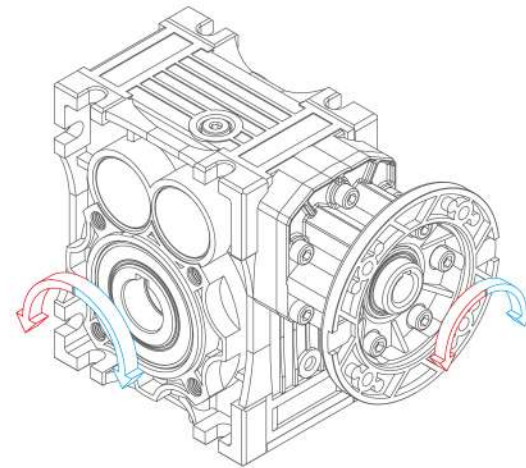
特点

- JHG初级传动采用准双曲面齿轮，传动效率高。
- 输出扭矩大，承载能力高。
- 传动平稳、噪音小。
- 齿轮材料均采用高级合金钢，使用寿命长。
- 外部尺寸几乎和JMRV系列相同。
- 安装和JMRV系列无差别。
- 相对于标准的JMRV系列减速器，空心输出轴直径无差别。
- 可以使用JMRV系列的所有附件。

旋转方向



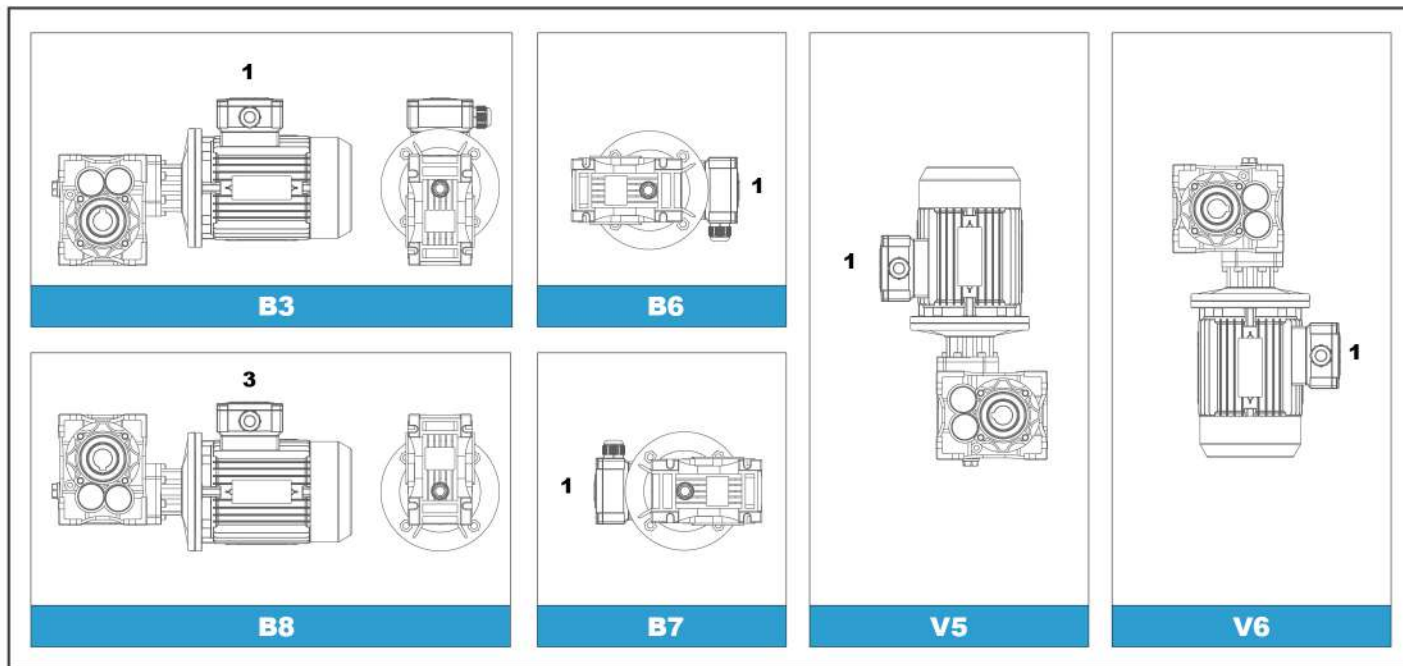
二级传动/two-stage



三级传动/three-stage

安装方位

MOUNTING POSITIONS



JHG Features

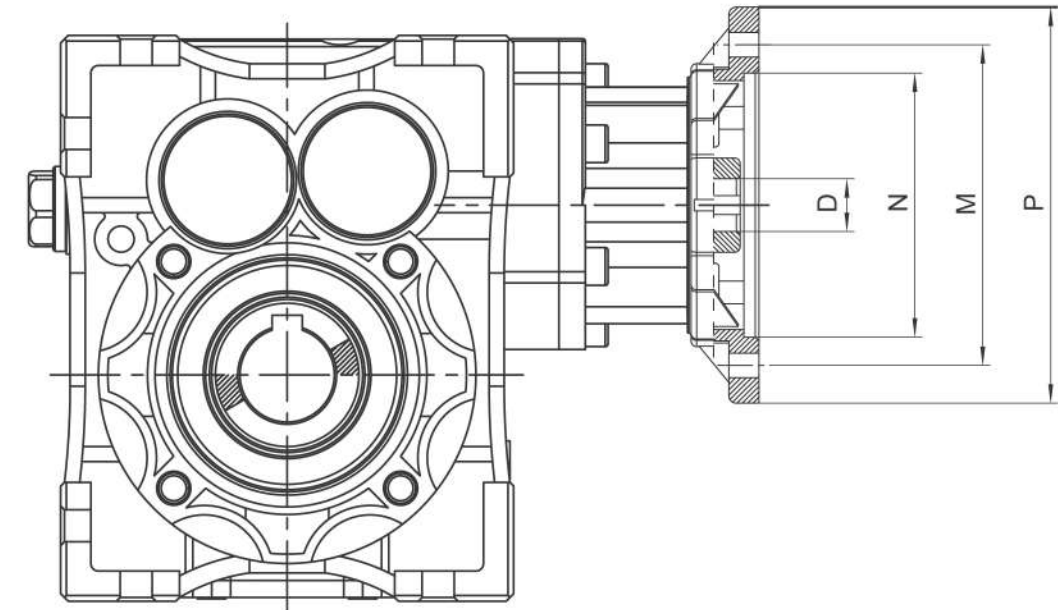
JHG series helical-hypoid gear units have three specification : 50-63-75.For ratio 7.5 to 60 , have 2 stage transmission . For ratio 80 to 300, have 3 stage transmission.

Features

- JHG series driven by hypoid gear, it has high efficiency .
- Large in output torque, high bearing capacity.
- Smooth in running and low in noise.
- Gear materials are using high-grade alloy steel and having long lifespan
- External dimensions are almost identical JMRV series .
- Installation make no difference to JMRV series.
- Relative to standard JMRV series reducer, hollow output shaft diameter is undifferentiated .
- You can use all accessories of JMRV series

DIRECTION OF ROTATION

JHG 配置和组合  
DISPOSITION AND COMBINATIONS



JHG	PAM IEC	N	M	P	D																
					7.5	10	12.5	15	20	25	30	40	50	60	80	100	125	150	200	250	300
50	90B5	130	165	200	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
	90B14	95	115	140	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	-	
	80B14	80	100	120	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	-	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	14	14	-	-	-	
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	14	14	14	-	-	-	
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	56B5	80	100	120	-	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9
	56B14	50	65	80	-	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9
63	90B5	130	165	200	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
	90B14	95	115	140	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	-	
	80B14	80	100	120	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	-	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	-	
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	-	
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	56B5	80	100	120	-	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9
	56B14	50	65	80	-	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9
75	100B5	180	215	250	28	28	28	28	28	28	28	-	-	-	-	-	-	-	-	-	
	112B5	180	215	250	28	28	28	28	28	28	28	-	-	-	-	-	-	-	-	-	
	100B14	110	130	160	28	28	28	28	28	28	28	-	-	-	-	-	-	-	-	-	
	112B14	110	130	160	28	28	28	28	28	28	28	-	-	-	-	-	-	-	-	-	
	90B5	130	165	200	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	90B14	95	115	140	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	19	19	19	19	19	-	-	
	80B14	80	100	120	19	19	19	19	19	19	19	19	19	19	19	19	19	19	-	-	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	71B14	70	85	105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
63B5	95	115	140	-	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11		
63B14	60	75	90	-	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11		
56B5	80	100	120	-	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9		





# JHG 性能参数 Performance

Type		JHG63 [202Nm]																		2级 /Stage													
i 公称 /Nominal		7.5			10			12.5			15			20			25			30			40			50			60				
i 实际 /Actual		7.53			10.06			12.61			15.17			20.05			24.86			30.18			40.09			50.34			60.7				
n <sub>1</sub> [min <sup>-1</sup> ]	p <sub>1</sub> [kW]	电机 motor	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.				
2800	0.18	631-2	371.8	4	3.3	278.3	6	3.1	222.0	7	2.8	184.6	8	2.7	139.7	11	2.3	112.6	14	2.5	92.8	17	2.1	69.8	22	1.8	55.6	28	1.5	46.1	34	1.4	
	0.25	632-2	371.8	6	3.1	278.3	8	2.8	222.0	10	2.6	184.6	12	2.5	139.7	16	2.1	112.6	19	2.3	92.8	23	2	69.8	31	1.6	55.6	39	1.4	46.1	47	1.2	
	0.37	711-2	371.8	9	2.8	278.3	12	2.6	222.0	15	2.3	184.6	17	2.2	139.7	23	1.9	112.6	29	2	92.8	35	1.8	69.8	46	1.4	55.6	58	1.2	46.1	70	1.1	
	0.55	712-2	371.8	13	2.5	278.3	17	2.3	222.0	22	2.1	184.6	26	2	139.7	34	1.7	112.6	43	1.8	92.8	52	1.6	69.8	69	1.3	55.6	86	1.1	46.1	104	1	
	0.75	801-2	371.8	18	2.3	278.3	23	2.1	222.0	29	1.9	184.6	35	1.8	139.7	47	1.5	112.6	58	1.6	92.8	70	1.4	69.8	93	1.1	55.6	117	1				
	1.1	802-2	371.8	26	2	278.3	34	1.9	222.0	43	1.7	184.6	52	1.6	139.7	69	1.4	112.6	85	1.4	92.8	103	1.2	69.8	137	1	55.6	172	0.8				
	1.5	90S-2	371.8	35	1.9	278.3	47	1.7	222.0	59	1.5	184.6	71	1.5	139.7	93	1.2	112.6	116	1.2	92.8	141	1.1	69.8	187	0.9							
	2.2	90L-2	371.8	51	1.6	278.3	69	1.5	222.0	86	1.3	184.6	104	1.3	139.7	137	1.1	112.6	170	1.1	92.8	206	0.9										
	1400	0.12	631-4	185.9	6	3.2	139.2	8	3	111.0	9	2.7	92.3	11	2.6	69.8	15	2.2	56.3	19	2.3	46.4	23	2	34.9	30	1.7	27.8	38	1.5	23.1	45	1.3
0.18		632-4	185.9	8	2.9	139.2	11	2.7	111.0	14	2.4	92.3	17	2.3	69.8	22	2	56.3	28	2.1	46.4	34	1.8	34.9	45	1.5	27.8	56	1.3	23.1	68	1.1	
0.25		711-4	185.9	12	2.8	139.2	16	2.4	111.0	20	2.2	92.3	24	2.1	69.8	31	1.8	56.3	39	1.9	46.4	47	1.6	34.9	62	1.3	27.8	78	1.1	23.1	94	1	
0.37		712-4	185.9	17	2.4	139.2	23	2.2	111.0	29	2	92.3	35	1.9	69.8	46	1.6	56.3	57	1.7	46.4	69	1.5	34.9	92	1.2	27.8	116	1	23.1	140	0.9	
0.55		801-4	185.9	26	2.1	139.2	34	1.9	111.0	43	1.7	92.3	52	1.7	69.8	69	1.4	56.3	85	1.5	46.4	103	1.3	34.9	137	1	27.8	172	0.9				
0.75		802-4	185.9	35	1.9	139.2	47	1.8	111.0	59	1.6	92.3	71	1.5	69.8	93	1.3	56.3	116	1.3	46.4	141	1.1	34.9	187	0.9							
1.1		90S-4	185.9	51	1.7	139.2	69	1.6	111.0	86	1.4	92.3	104	1.3	69.8	137	1.1	56.3	170	1.1	46.4	206	1										
1.5		90L-4	185.9	70	1.5	139.2	94	1.4	111.0	118	1.2	92.3	141	1.2	69.8	187	1																
900		0.18	711-6	119.5	13	2.6	89.5	18	2.4	71.4	22	2.1	59.3	26	2.1	44.9	35	1.8	36.2	43	1.9	29.8	53	1.6	22.4	70	1.2	17.9	88	1.1	14.8	106	1
	0.25	712-6	119.5	18	2.4	89.5	24	2.2	71.4	30	2	59.3	37	1.9	44.9	48	1.6	36.2	60	1.7	29.8	73	1.5	22.4	97	1.2	17.9	122	1	14.8	147	0.9	
	0.37	801-6	119.5	27	2.1	89.5	36	2	71.4	45	1.7	59.3	54	1.7	44.9	72	1.4	36.2	89	1.5	29.8	108	1.3	22.4	143	1	17.9	180	0.8				
	0.55	802-6	119.5	40	1.9	89.5	54	1.7	71.4	67	1.5	59.3	81	1.5	44.9	107	1.2	36.2	132	1.3	29.8	161	1.1	22.4	213	0.9							
	0.75	90S-6	119.5	55	1.7	89.5	73	1.5	71.4	91	1.4	59.3	110	1.3	44.9	145	1.1	36.2	180	1.1	29.8	219	1										
	1.1	90L-6	119.5	80	1.5	89.5	107	1.3	71.4	134	1.2	59.3	161	1.1	44.9	213	0.9																

Type		JHG63 [200Nm]																		3级 /Stage									
i 公称 /Nominal		80			100			125			150			200			250			300									
i 实际 /Actual		79.2			100.57			124.38			150.19			198.78			249.42			300.38									
n <sub>1</sub> [min <sup>-1</sup> ]	p <sub>1</sub> [kW]	电机 motor	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.
2800	0.18	631-2	35.4	43	1.4	27.8	55	1.3	22.5	68	1.3	18.6	82	1.2	14.1	109	1.1	11.2	137	1.1	9.3	165	1						
	0.25	632-2	35.4	60	1.3	27.8	77	1.2	22.5	95	1.2	18.6	114	1.1	14.1	151	1	11.2	190	1	9.3	229	0.85						
	0.37	711-2	35.4	89	1.2	27.8	113	1.1	22.5	140	1	18.6	169	1	14.1	224	0.85												
	0.55	712-2	35.4	133	1	27.8	169	0.95	22.5	208	0.9																		
	1400	0.09	562-4	17.7	43	1.5	13.9	55	1.4	11.3	68	1.3	9.3	82	1.3	7.0	109	1.2	5.6	137	1.1	4.7	165	1.1					
0.12		631-4	17.7	58	1.3	13.9	74	1.3	11.3	91	1.2	9.3	110	1.2	7.0	145	1.1	5.6	182	1	4.7	220	0.9						
0.18		632-4	17.7	87	1.2	13.9	110	1.1	11.3	136	1.1	9.3	165	1	7.0	218	0.9	5.6	274	0.8									
0.25		711-4	17.7	121	1.1	13.9	153	1	11.3	189	1	9.3	229	0.85															
0.37		712-4	17.7	179	1	13.9	227	0.8																					
900	0.18	711-6	11.4	135	1.1	8.9	172	1	7.2	212	0.95	6.0	256	0.8															
	0.25	712-6	11.4	188	1	8.9	238	0.9																					

# JHG 性能参数 Performance

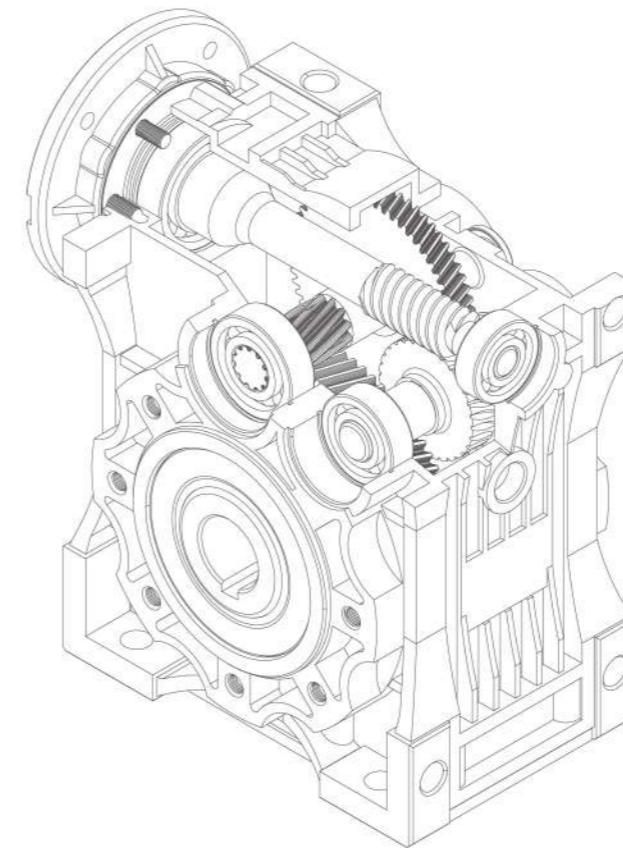
Type		JHG75 [286Nm]																		2级 /Stage												
i 公称 /Nominal		7.5			10			12.5			15			20			25			30			40			50			60			
i 实际 /Actual		7.53			10.06			12.61			15.17			20.05			24.86			30.18			40.09			50.34			59.22			
n <sub>1</sub> [min <sup>-1</sup> ]	p <sub>1</sub> [kW]	电机 motor	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f.s.			
2800	0.37	711-2	371.8	9	3.1	278.3	12	2.8	222.0	15	2.7	184.6	17	2.6	139.7	23	2.2	112.6	29	2.2	92.8	35	2.1	69.8	46	1.7	55.6	58	1.5	47.3	68	1.22
	0.55	712-2	371.8	13	2.8	278.3	17	2.5	222.0	22	2.5	184.6	26	2.3	139.7	34	1.9	112.6	43	2	92.8	52	1.9	69.8	69	1.5	55.6	86	1.33	47.3	101	1.1
	0.75	801-2	371.8	18	2.6	278.3	23	2.4	222.0	29	2.3	184.6	35	2.1	139.7	47	1.8	112.6	58	1.8	92.8	70	1.7	69.8	93	1.4	55.6	117	1.2	47.3	138	1
	1.1	802-2	371.8	26	2.3	278.3	34	2.1	222.0	43	2	184.6	52	1.9	139.7	69	1.6	112.6	85	1.6	92.8	103	1.5	69.8	137	1.2	55.6	172	1.04			
	1.5	90S-2	371.8	35	2.1	278.3	47	1.9	222.0	59	1.8	184.6	71	1.7	139.7	93	1.4	112.6	116	1.5	92.8	141	1.4	69.8	187	1.1	55.6	235	0.9			
	2.2	90L-2	371.8	51	1.9	278.3	69	1.7	222.0	86	1.6	184.6	104	1.5	139.7	137	1.3	112.6	170	1.3	92.8	206	1.2	69.8	274	0.9						
	3	100L-2	371.8	70	1.7	278.3	94	1.6	222.0	118	1.5	184.6	141	1.4	139.7	187	1.1	112.6	232	1.1	92.8	281	1									
	4	112M-2	371.8	94	1.5	278.3	125	1.4	222.0	157	1.3	184.6	189	1.2	139.7	249	1															
	1400	0.25	711-4	185.9	12	2.9	139.2	16	2.7	111.0	20	2.6	92.3	24	2.4	69.8	31															



**JIAOXING**  
**椒星传动**

**JWG**  
**/ Series /**

Helical-worm  
gear units  
斜齿轮-涡轮蜗杆减速器



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第二版第一次印刷

台州椒星传动设备有限公司  
Taizhou Jiaoxing transmission equipment Co.,Ltd

SINCE  
1985

## JIAOXING TRANSMISSION

To build Chinese first-class reduction transmission manufacturing enterprises with international influence.

打造具有国际影响力的中国一流  
减变速器制造企业

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SINCE  
1985

# 01

## Enterprise Profile 企业简介



Taizhou Jiaoxing Transmission Equipment Co.,Ltd. is the member unit, employer's organization of variable-speed motor in the whole country. Develop the professionals factory of planet cone-disk stepless speed variator first at home.

Technical force is rich, the design and manufacturing capacity are strong, production is well equipped. It is self-contained to test, the management system is sound, and it had already passed ISO9000 quality certification system. Product quality is wide to receive the domestic and international user's favorable comment.

“开拓创新，质量为本。”  
“一分承诺，十分努力。”

台州椒星传动设备有限公司系全国减、变速器行业协会成员单位，是国内最早研制行星锥盘无级变速器的专业生产企业之一，技术力量雄厚，设计制造能力强，生产设施完善，测试设备齐全，管理制度健全，已通过ISO9000质量保证体系，产品质量广受国内外用户好评。

本公司生产的方形系列蜗杆减速器在选用材料和制造工艺上完全按照欧洲同类产品标准，如采用优质合成油，选用进口名牌密封件等，使我们的产品真正实现了全方位安装及免维护保养。目前产品广销全国各地，及配套出口世界各国。



The purpose of the company is: "innovation, quality - oriented." To the user pursues "one minute pledge, very diligently" the policy, devotes to the creation China reduces, the speed change machine profession first-class brand. Welcome domestic and foreign users and people from all walks of life sincere cooperation.

本公司的宗旨是：“开拓创新，质量为本”。对用户奉行“一分承诺，十分努力”的方针，致力于创中国减、变速器行业的一等品牌。欢迎国内外用户和各界人士精诚合作。



# 02

## Company Course 企业历程

Haimen Machinery plant was Established in 1985.

海门机械厂始建于1985年。



In order to expand production , company moved to new workshop cover an area of about 2000 m<sup>2</sup>. and changed name to Taizhou Planet Speed-Changing Machinery Factory.

为了扩大生产,公司搬到新厂房占地面积约2000 m<sup>2</sup>。并更名为台州行星变速机械厂。

### 1985

### 1993

Company joined China Reduction Transmission Industry Association and became the first members of the association.

公司加入中国减速器行业协会,成为协会首批会员单位。

### 1998

Company was purchased a building lot cover an area of 17000 m<sup>2</sup> as a reserve for future development. At the same year set up Taizhou Jiaoxing Transmission Equipment Co., Ltd.

公司购买建筑很多占地17000 m<sup>2</sup>为未来发展作为储备。同年成立台州椒星传动设备有限公司。



### 2002

Company moved into new plant simultaneously Taizhou Planet Speed-Changing Machinery Factory merged into Taizhou Jiaoxing Transmission Equipment Co., Ltd., and created in-house R&D center to develop high precision gear unit - JDLB dual lead worm gearbox and XPG planetary gearbox.

公司新厂同时迁入台州行星变速箱机械厂,并入台州椒星传动设备有限公司,并成立内部研发中心,研发高精度齿轮装置——JDLB双铅蜗杆变速箱和XPG行星变速箱。

### 2015

2017年通过ISO9001质量管理体系认证

### 2017

2018年获国家级高新技术企业

### 2018



# 03

## Quality Management 品质管理

Constantly absorb and introduce the world's advanced transmission design concept, and with independent innovation design and development, test has long manufacturing experience, every year constantly update and improve the reducer products. In the production and research and development always in the industry leader.

不断吸收与引进世界先进的传动设计理念，并融以自主创新设计研发，试验已经长久的制造经验，每年不断的更新和完善减速机产品。在生产和研发上总是处于行业领军地位。严格执行ISO9001:2008质量体系，定期对员工开展各类培训。并在行业内率先运用5S生产管理方法检验设备员工培训。



# 04

## Including OPT Service Optimising 团队服务

The company manages with sincerity first, take the letter as this, always receives the good faith first management idea, wins the customer with the good faith, by the prestige occupation market.

公司经营以诚为先,以信为本,始终秉承诚信第一的经营理念,用诚信赢得客户,以信誉占领市场。



The huge customer service and after-sales technical personnel, 24-hour intimate service, professional pre-sales and after-sales service team and efficient factory production technology, to provide customers with professional and thoughtful technical services. According to customers encounter all kinds of difficult problems, to make specific technical solutions.

庞大的客服售后技术人员, 24小时贴心服务, 专业的售前售后服务团队和高效的工厂生产技术, 为客户提供专业周到的技术服务。可根据客户遇到各类疑难问题, 作出具体技术解决方案。实行高效的内部成本控制, 以及不断提高的数字化与机械化率, 从而降低了成本, 惠及客户。充足的产能, 便捷的物流, 能满足客户及时供货的各种需求。



With more than 30 years of industry accumulation and complete product system, you only need to provide your needs, we give you the corresponding custom solutions. The product variety is complete, only needs to submit your need, provides the choice plan for you by the specialized personnel, - the station type comfortable enjoys the service.

三十余年的行业积累和完整的产品体系, 您只需提供您的需求, 我们为您给出相应的定制解决方案。产品种类齐全, 只需提交您的需要, 由专业人员为您提供选择方案, 一站式舒心畅享服务。



参数符号对应表

SYMBOLS AND UNITS OF MEASURE

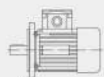
符号 Symbols	单位 Units	注解	Description
<b>P</b>	[kW]	功率	Power
<b>P<sub>1</sub></b>	[kW]	输入功率	Transmitted power at input shaft
<b>P<sub>2</sub></b>	[kW]	输出功率	Transmitted power at output shaft
<b>P<sub>n1</sub></b>	[kW]	额定输入功率	Rated input power
<b>M<sub>2</sub></b>	Nm	输出扭矩	Transmitted torque at output shaft
<b>M<sub>c2</sub></b>	Nm	计算的输出扭矩	Calculated torque at output shaft
<b>M<sub>n2</sub></b>	Nm	额定输出扭矩	Rated torque at output shaft
<b>M<sub>r2</sub></b>	Nm	需求的扭矩	Required torque at output shaft
<b>n<sub>1</sub></b>	min <sup>-1</sup>	输入转速	Angular input speed
<b>n<sub>2</sub></b>	min <sup>-1</sup>	输出转速	Angular output speed
<b>i</b>	-	减速比	Ratio
<b>η<sub>d</sub></b>	-	动态效率	Dynamic efficiency
<b>η<sub>s</sub></b>	-	静态效率	Static efficiency
<b>Z<sub>1</sub></b>	-	蜗杆齿数	Number of worm thread
<b>M<sub>x</sub></b>	-	轴向模数	Axial modulus
<b>f<sub>s</sub></b>	-	工作系数	Service factor
<b>J<sub>e</sub></b>	kgm <sup>2</sup>	在电机轴上衰减的惯性矩	Moment of the external inertia reduced at the drive shaft
<b>J<sub>m</sub></b>	kgm <sup>2</sup>	电机惯性矩	Moment of inertia of motor
<b>F<sub>r1</sub></b>	N	输入轴径向负荷	Input shaft radial load
<b>F<sub>r2</sub></b>	N	输出轴径向负荷	Output shaft radial load

重量标记

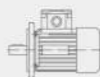
Symbol referring to weight

机型对应的尺寸图页码

Columns marked with this symbol indicate the reference page showing the dimensions of the selected unit.



电机

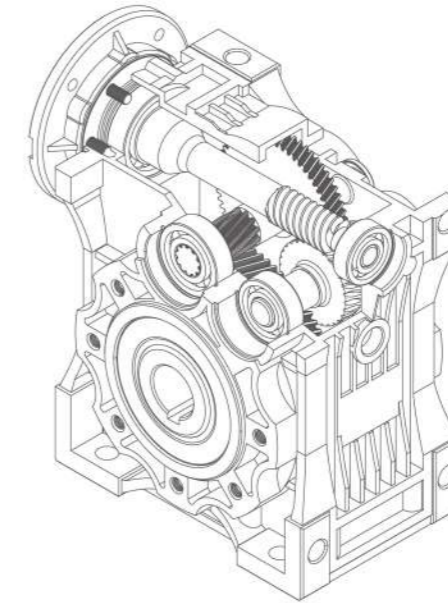


IEC motor

## JWG SERIES

### 斜齿-涡轮蜗杆减速器

### helical-worm gear units



## DESIGNATION

类型 Type	减速比 Ratio	输出 Output	输入法兰 Input flange	安装方位 Mounting position	颜色 Color	电机 Electric motor
<b>JWG75</b>	<b>- 200</b>	<b>- FA1-ASR-A1</b>	<b>- 63B5</b>	<b>- B3</b>	<b>- B</b>	<b>- Y<sub>2</sub>0.18-4 / 1</b>
						电机接线盒位置 Position of terminal box <b>1, 2, 3, 4</b>
						电机极数/Poles number <b>2, 4, 6</b>
						电机功率 Motor power
						电机类型/Type <b>Y<sub>2</sub>, YD, YVF, Y<sub>2</sub>EJ.....</b>
					颜色/Color <b>B = 银灰色/Silver gray L = 蓝色/Blue</b>	
				安装方位/Mounting position <b>B3, B6, B7, B8, V5, V6</b>		
			输入法兰 (电机类型)/Input flange (Motor mounting) <b>B5, B14</b>			
		扭力臂/Torque arm <b>A1, A2</b>				
		输出轴/Output shaft <b>ASL, ASR</b> (单向输出轴/Single output shaft) <b>AB</b> (双向输出轴/Double output shaft)				
		输出法兰/Flange mounting <b>FA, FB, FC, FD, FE</b> (型号/Version) <b>1, 2</b> (安装位置/Mounting side)				
	减速比/Reduction ratio <b>JWG63~110: 80, 100, 125, 150, 200, 250, 300 ... 4000</b>					
	减速器尺寸/Gearbox size <b>50, 63, 75, 90, 110</b>					
减速器类型/Reducer type <b>JWG</b>						





