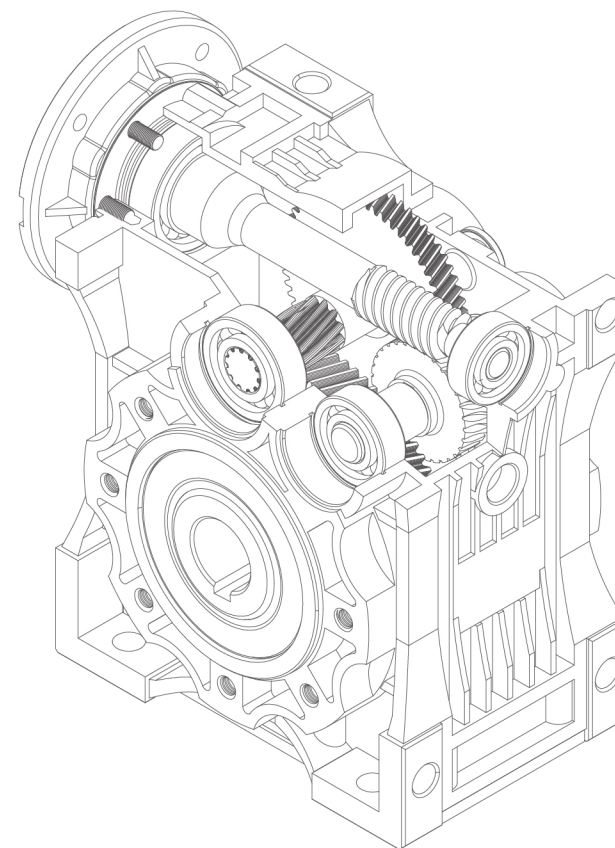




JIAOXING
椒星传动

JWG
/ Series /

Helical-worm
gear units
斜齿轮-涡轮蜗杆减速器



浙江省台州市新坦路 128 号
128 Xintan Road, Taizhou City, Zhejiang Province, China
Tel: +86-576-88224998 88886529
Fax: +86-576-88882874
P.C. 318014

Homepage | www.jx1985.com
| www.jiaoxing.com

E-mail | sales@jx1985.com
| sales@jiaoxing.com

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

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、变速机行业协会成员单位，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、变速机行业的一等品牌。欢迎国内外用户和各界人士精诚合作。

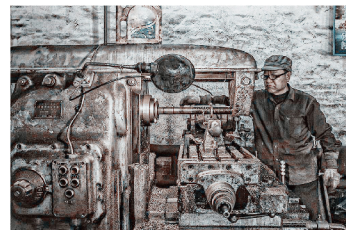


02

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 m². 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 m²。并更名为台州行星变速机械厂。

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。

1985

1993

1998

Company was purchased a building lot cover an area of 17000 m² 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 m²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.

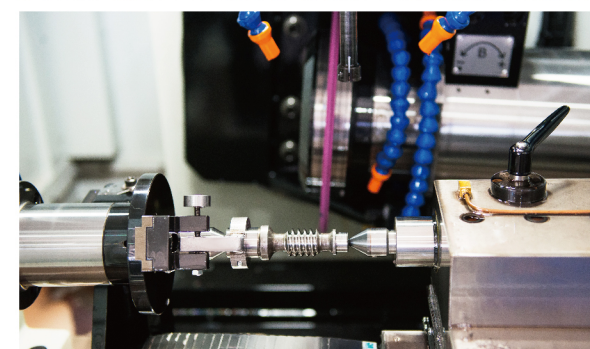
公司新厂同时迁入台州行星变速箱机械厂，并入台州椒星传动设备有限公司，并成立内部研发中心，研发高精度齿轮装置——JDLB双铅蜗杆变速箱和XPG行星变速箱。

2015

2017

2018年获国家级高新技术企业

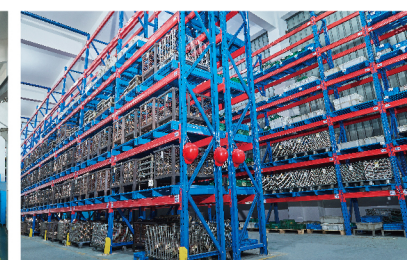
2018



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

符号 Symbols	单位 Units	注解	Description
P	[kW]	功率	Power
P₁	[kW]	输入功率	Transmitted power at input shaft
P₂	[kW]	输出功率	Transmitted power at output shaft
P_{n1}	[kW]	额定输入功率	Rated input power
M₂	Nm	输出扭矩	Transmitted torque at output shaft
M_{c2}	Nm	计算的输出扭矩	Calculated torque at output shaft
M_{n2}	Nm	额定输出扭矩	Rated torque at output shaft
M_{r2}	Nm	需求的扭矩	Required torque at output shaft
n₁	min ⁻¹	输入转速	Angular input speed
n₂	min ⁻¹	输出转速	Angular output speed
i	-	减速比	Ratio
η_d	-	动态效率	Dynamic efficiency
η_s	-	静态效率	Static efficiency
Z₁	-	蜗杆齿数	Number of worm thread
M_x	-	轴向模数	Axial modulus
f_s	-	工作系数	Service factor
J_e	kgm ²	在电机轴上衰减的惯性矩	Moment of the external inertia reduced at the drive shaft
J_m	kgm ²	电机惯性矩	Moment of inertia of motor
F_{r1}	N	输入轴径向负荷	Input shaft radial load
F_{r2}	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

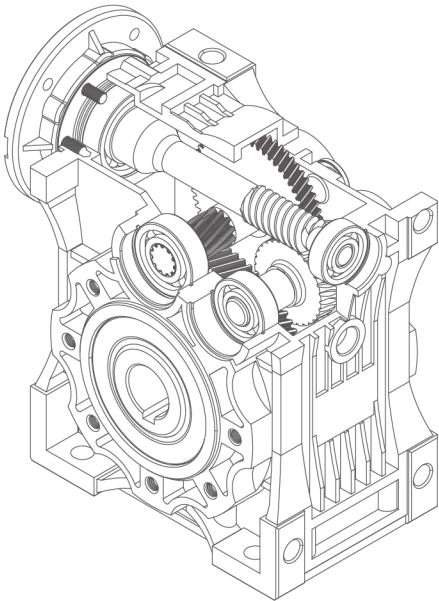


IEC motor

JWG SERIES

斜齿-涡轮蜗杆减速器

helical-worm gear units



JWG90 71B5 300:1

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

JWG75 - 200 - FA1-ASR-A1 - 63B5 - B3 - B - Y₂0.18-4 / 1

电机接线盒位置
Position of terminal box
1, 2, 3, 4

电机极数/Poles number
2, 4, 6

电机功率
Motor power

电机类型/Type
Y₂, YD,YVF, Y₂EJ.....

颜色/Color
B = 银灰色/Silver gray L = 蓝色/Blue

安装方位/Mounting position
B3, B6, B7, B8, V5,V6

输入法兰 (电机类型) /Input flange(Motor mounting)
B5, B14

扭力臂/Torque arm
A1, A2

输出轴/Output shaft
ASL, ASR (单向输出轴/Single output shaft)
AB (双向输出轴/Double output shaft)

输出法兰/Flange mounting
FA, FB, FC, FD, FE (型号/Version)
1, 2 (安装位置/Mounting side)

减速比/Reduction ratio
JWG63~110: 80, 100,125,150,200,250,300 ... 4000

减速器尺寸/Gearbox size
50,63,75, 90, 110

减速器类型/Reducer type
JWG

JWG 特点

蜗轮蜗杆--齿轮减速器有50-63-75-90-110五种规格，采用三级传动。

- 特点
- 初级使用蜗轮蜗杆，传动比大(总传动比最大可达4000)。

- 和JMRV系列相比，具更大的传动比、更大的输出扭矩以及更高的效率。

- 外部尺寸几乎和JMRV系列相同。

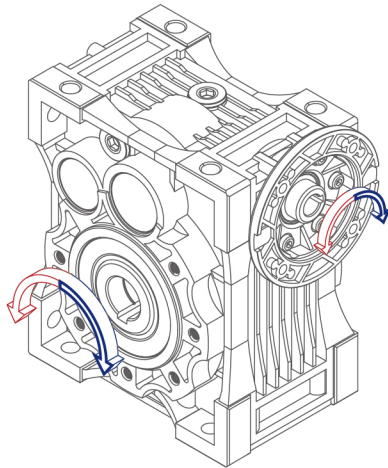
- 安装和JMRV系列无差别。

- 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

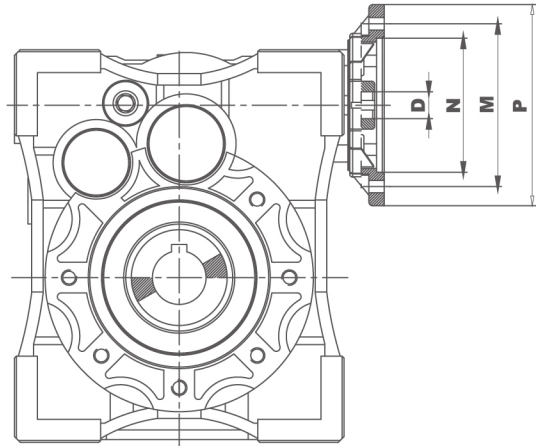
DURECTION OF ROTATION



JWG63~110

JWG 配置和组合

DISPOSITION AND COMBINATIONS



JWG Features

Helical worm gearbox have five specifications : 50-63-75-90-110 ,Using third transmission.

- Features
- First stage use worm gear,transmission ratio can be a maximum of 4000.

- Compared with JMRV series, it has larger transmission ratio, greater output torque and higher efficiency.

- 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 .

JWG 配置和组合

DISPOSITION AND COMBINATIONS

size	PAM IEC	N	M	P	D																
					80	100	125	150	200	250	300	400	600	800	1000	1200	1600	2000	2400	3200	4000
50	56B14	50	65	80							9	9	9	9	9	9					
63	63B5	95	115	140																	
	63B14	60	75	90	11	11	11	11	11	11	11										
	56B5	80	100	120																	
	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
75	71B5	110	130	160																	
	71B14	70	85	105	14	14	14	14	14	14	-										
	63B5	95	115	140																	
	63B14	60	75	90	11	11	11	11	11	11	11										
	56B5	80	100	120	-	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
90	80B5	130	165	200																	
	80B14	80	100	120	19	19	19	19	-	-	-										
	71B5	110	130	160																	
	71B14	70	85	105	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
110	90B5	130	165	200	24	24	24	-	-	-	-										
	90B14	95	115	140																	
	80B5	130	165	200																	
	80B14	80	100	120	19	19	19	19	19	19	19										
	71B5	110	130	160																	
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

表中列出的是常用速比，可以通过改变蜗轮蜗杆、齿轮副的齿数比及组合达到更多的速比。

大速比(i≥400)减速器的输出扭矩远远大于末级齿轮的最大承载能力，因此减速器的负载不能大于性能参数表中的最大扭矩：

There are common ratios listed in the table, by changing the worm gear ratio and vice combined gear ratio to achieve more ratios.

Large ratio (i≥400) gearbox output torque is far greater than the final stage gear maximum carrying capacity , therefore gearbox load cannot be larger than performance parameters maximum torque.

- JWG50 : 125N.m

JWG63 : 200N.m

JWG75 : 299N.m

JWG90 : 416N.m

JWG110 : 915N.m
- JWG50 : 125N.m

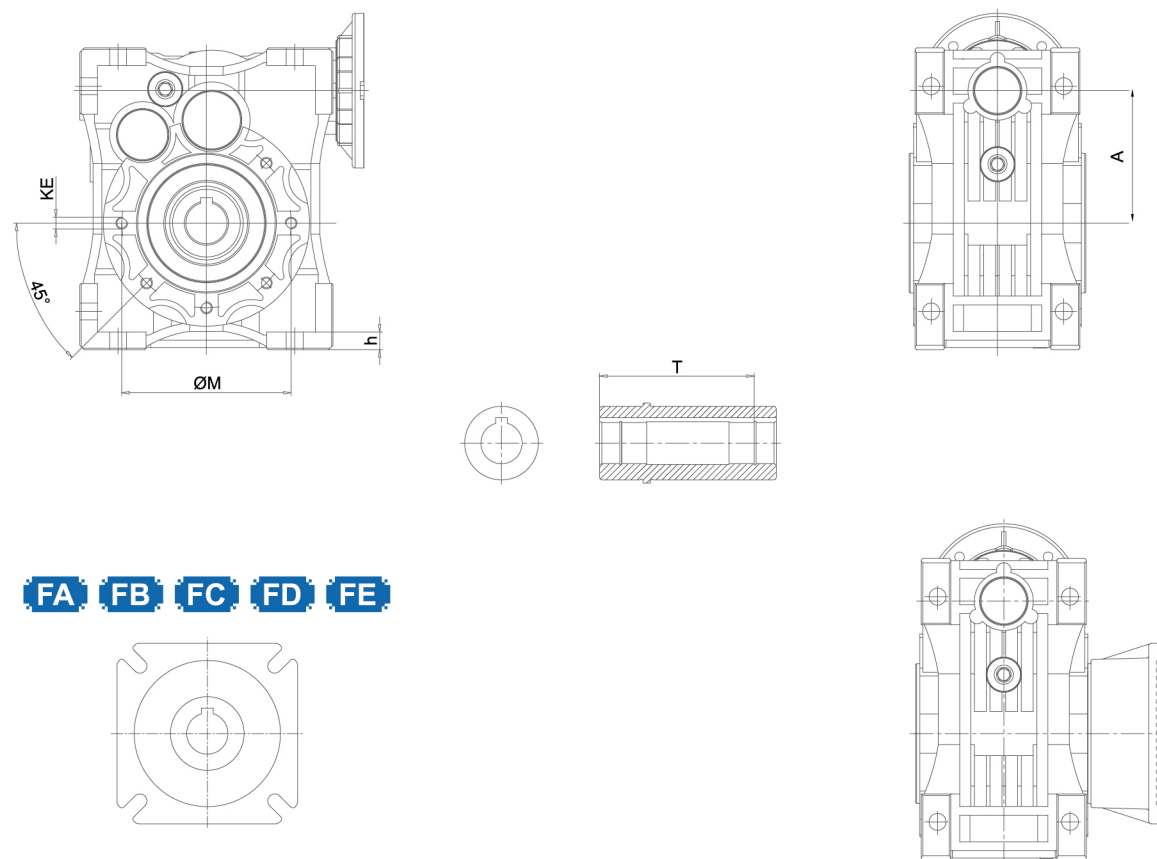
JWG63 : 200N.m

JWG75 : 299N.m

JWG90 : 416N.m

JWG110 : 915N.m

JWG 系列尺寸图
Series dimensions



	50	63	75	90	110
A	71.5	75.5	90	101	128.5
M	85	95	115	130	165
KE	M8 × 14[n=4]	M8 × 14[n=6]	M8 × 14[n=6]	M10 × 18[n=6]	M10 × 18[n=6]
h	8	10	12	13	16
T	77	97	105	122	131

	50	63	75	90	110
FA					
FB					
FC					
FD					
FE					

有关未列尺寸详情，请参阅相关JMRV系列样本。
For the missing dimensions refer to JMRV series sample.

JWG 性能参数
Performance

Type			JWG63 [200Nm]																				3 级 /Stage		
i 公称 /Nominal			80			100			125			150			200			250			300				
i 实际 /Actual			79.87			101.26			122.42			150.25			204.68			244.46			298.7				
n ₁ [min ⁻¹]	p ₁ [kW]	电机 motor	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.	n ₂ [min ⁻¹]	M ₂ [Nm]	f.s.		
2800	0.18	631-2	35.1	40	1.5	27.7	51	1.4	22.9	61	1.3	18.6	75	1.2	13.7	103	1.1	11.5	123	1.1	9.4	150	1		
	0.25	632-2	35.1	56	1.3	27.7	70	1.2	22.9	85	1.2	18.6	105	1.1	13.7	142	1	11.5	170	1	9.4	208	0.		
1400	0.06	561-4										9.3	50	1.5	6.8	68	1.4	5.7	82	1.3	4.7	100	1.2		
	0.09	562-4	17.5	40	1.5	13.8	51	1.4	11.4	61	1.4	9.3	75	1.3	6.8	103	1.2	5.7	123	1.15	4.4	150	1.		
	0.12	631-4	17.5	53	1.4	13.8	68	1.3	11.4	82	1.3	9.3	100	1.2	6.8	137	1.1	5.7	163	1	4.7	200	1		
	0.18	632-4	17.5	80	1.2	13.8	101	1.15	11.4	123	1.1	9.3	151	1	6.8	205	0.9	5.7	245	0.9					

[illegible]

性能参数 Performance

[illegible][illegible]