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家居智能驱动/新能源传动齿轮/座舱智能驱动/精密减速器(谐波)/轻量化气动工具

>>>Home Intelligent Drive / Transmission Drive / Intelligent Cockpit Drive /
Precision Reducer (Harmonic Reducer) / Pneumatic Tools



股票代码: 301368 丰立智能

SERVICE LINE:

+86 400 1188 999





智能驱动研造及系统集成服务商

Intelligent Mechanical Components Research& Manufacture
and Systematic Integrating Servicing Company

COMPANY PROFILE 企业简介

浙江丰立智能科技股份有限公司成立于1995年，国家级专精特新“小巨人”企业，省级绿色工厂，公司位于浙江省台州市，占地面积约120亩，设有十大事业部，事业部拥有检测和加工设备1000多台，执行TS16949质量管理体系，运行ERP、MES、OA、PLM全面信息化管理。截止23年12月31日止公司共有50项专利，其中发明专利12项。截至2023年12月末，在申请发明专利17项。

公司产品主要面向新能源汽车、机器人、智能家居、医疗器械、电动工具、电站远程控制系统等领域提供具有核心竞争力和定制化的产品。公司以核心钢齿轮技术为支撑，凭借技术、质量、管理等相通性、相近性，开发多品类产品，从零件产品类：伞齿、圆柱齿、粉末齿、精密机械件(轴类、蜗杆等)，延伸扩展到部件产品:行星减速器、谐波减速器等实现多元化产品应用不同的应用场景。

公司以小模数螺旋锥齿轮起家，凭借小模数螺旋锥齿轮产品在1998年至2003年间进入全球一流企业供应链体系，与博世集团、史丹利百得、牧田、西门子、科创实业、工机控股等国际知名企业建立了长期稳定的合作关系。荣获博世全球优秀供应商等称号。

公司拥有世界顶尖检测与加工设备，如德国克林贝格P26、P40及日本TTI齿轮测量中心、ZEISS显微镜、ZEISS三坐标等检测仪器。德国DMG加工中心、德国利勃海磨齿机、克林贝格磨齿机、普拉威玛珩磨机、奥地利爱协林热处理成套设备等加工设备。

Zhejiang FORE Intelligent Technology Co., Ltd. was founded in 1995, the national specialized special "little giant" enterprise, provincial green factory. The company is located in Taizhou City, Zhejiang Province, covers an area of about 80,000m², with 10 business divisions. The business division has more than 1000 testing and processing equipment, implements TS16949 quality management system, runs ERP, MES, OA, PLM comprehensive information management. As of December 31, 2023, the company has a total of 50 patents, including 12 invention patents. As of the end of December 2023, it has applied for 17 invention patents.

The products of company is mainly for new energy vehicles, robots, home intelligent, medical equipment, power tools, power station remote control system and other fields to provide core competitiveness and customized products. The company is supported by steel gear technology, and develops multiple categories of products by virtue of the commonality and similarity of technology, quality and management. From the single part: bevel gear, cylindrical gear, powder metallurgy, precision mechanical parts (shaft, worm, etc.), extend to the components: planetary reducer, harmonic reducer, etc., to achieve a variety of product applications in different application scenarios.

The company started with small module spiral bevel gear, with small module spiral bevel gear products from 1998 to 2003 into the world's first-class enterprise supply chain system, with Bosch, Stanley Black & Decker, Makita, Siemens, TTI, HiKOKI and other well-known international enterprises to establish a long-term stable cooperative relationship. Won the Bosch global excellent supplier and other titles.

The company has the world's top testing and processing equipment, such as Germany Klingberg P26, P40, Japan TTI gear measurement center, ZEISS microscope, ZEISS CMM and other testing instruments. German DMG machining center, German Liebherr gear grinding machine, Klingberg gear grinding machine, Pralweimar honing machine, Austria Aixelin heat treatment equipment and other processing equipment.





家居智能驱动 Home Intelligent Drive

家居智能驱动：FORE具备螺旋锥齿轮及准双曲线齿轮设计制造闭环技术。产品广泛应用于民生齿轮市场，如智能家居、智能物联、智能办公、医疗器械等。

Home Intelligent Drive :FORE has spiral bevel gear and quasi hyperbolic gear design and manufacturing closed-loop technology. Products are widely used in the livelihood gear market, such as smart home, SIoT, smart office, medical equipment and so on.



新能源传动齿轮 Transmission Drive

新能源齿轮传动：广泛应用于电动汽车，混合动力汽车、传统燃油车、工程机械、能源设备驱动等。

Transmission Drive: widely used in electric vehicles, hybrid vehicles, traditional fuel vehicles, construction machinery, energy equipment drive, etc.



座舱智能驱动 Intelligent Cockpit Drive

座舱智能驱动：在智能化的浪潮下，汽车制造厂商创新中的重点。产品包含：智能汽车电动尾门传动系统，EPB电子驻车驱动，汽车尾翼、伸缩踏板，座椅驱动等。

Intelligent Cockpit Drive: Under the wave of intelligence, the focus of innovation of automobile manufacturers. Products include: intelligent car electric tailgate drive system, EPB electronic parking drive, car tail, retractable pedal, seat drive, etc.



轻量化气动工具 Pneumatic Tools

轻量化气动工具：广泛应用于汽车制造、航空航天、机械装配、电子组装、食品包装以及维修保养等多个行业。
Pneumatic Tools: widely used in automobile manufacturing, aerospace, mechanical assembly, electronic assembly, food packaging and maintenance and other industries.



精密减速器（谐波） Precision Drive (Harmonic Reducer)

精密减速器：广泛应用于工业自动化、机器人、半导体制造、3D打印、航空航天设备以及精密医疗器械等高精尖行业。

Precision Drive: widely used in industrial automation, robotics, semiconductor manufacturing, 3D printing, aerospace equipment and precision medical equipment and other sophisticated industries.



Home Intelligent Drive 家居智能驱动



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Outboard Engine Gear 舷外机齿轮



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Reducer Gear
减速机齿轮



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Reducer Gear
减速机齿轮



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Transmission Drive
新能源传动齿轮



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Intelligent Cockpit Drive 座舱智能驱动



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丰立**Precision Drive(Harmonic Reducer)**
精密减速器 (谐波)**FCS系列产品图 FCS SERIES PRODUCT PICTURE**

FCS

FHS系列产品图 FHS SERIES PRODUCT PICTURE

FHS-I



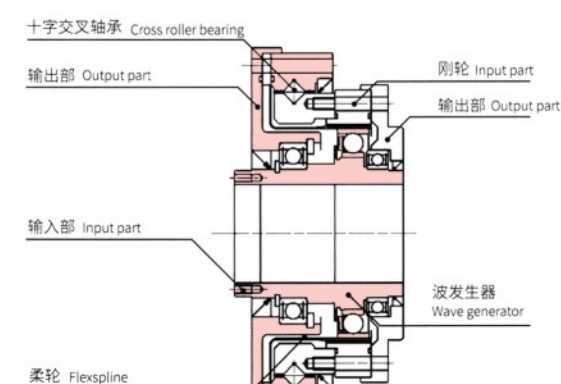
FHS-III



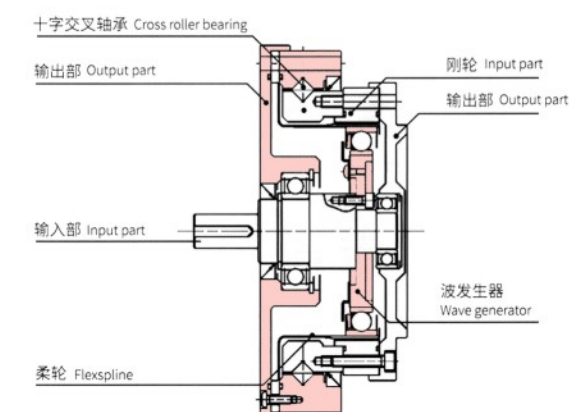
FHS-IV



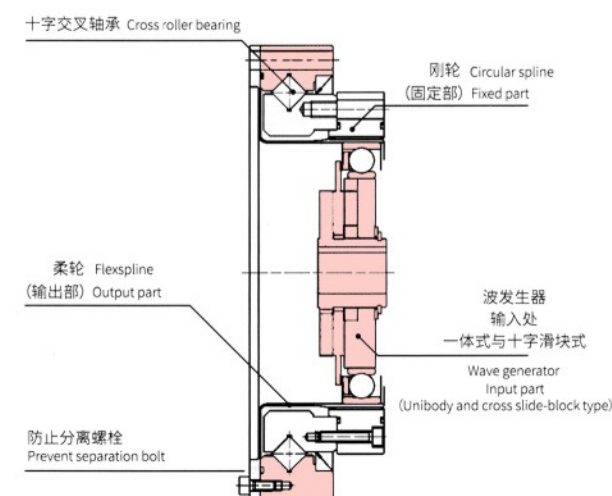
FHS-V

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丰立**Precision Drive(Harmonic Reducer)**
精密减速器 (谐波)**FHS系列组合型结构**
Combinative structure of FHS series**中空型**
Hollow type

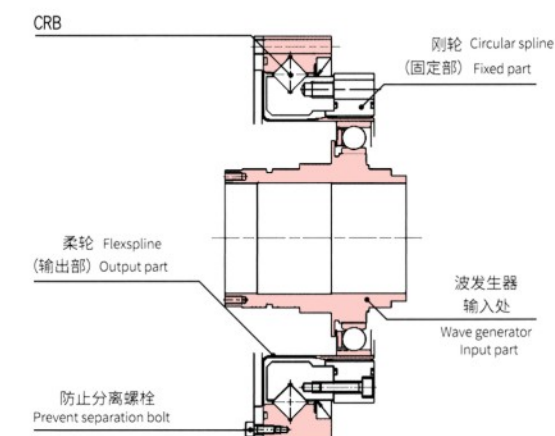
FHS-III

输入轴型
Input axial type

FHS-IV

简易型
Simple type

FHS-I/II

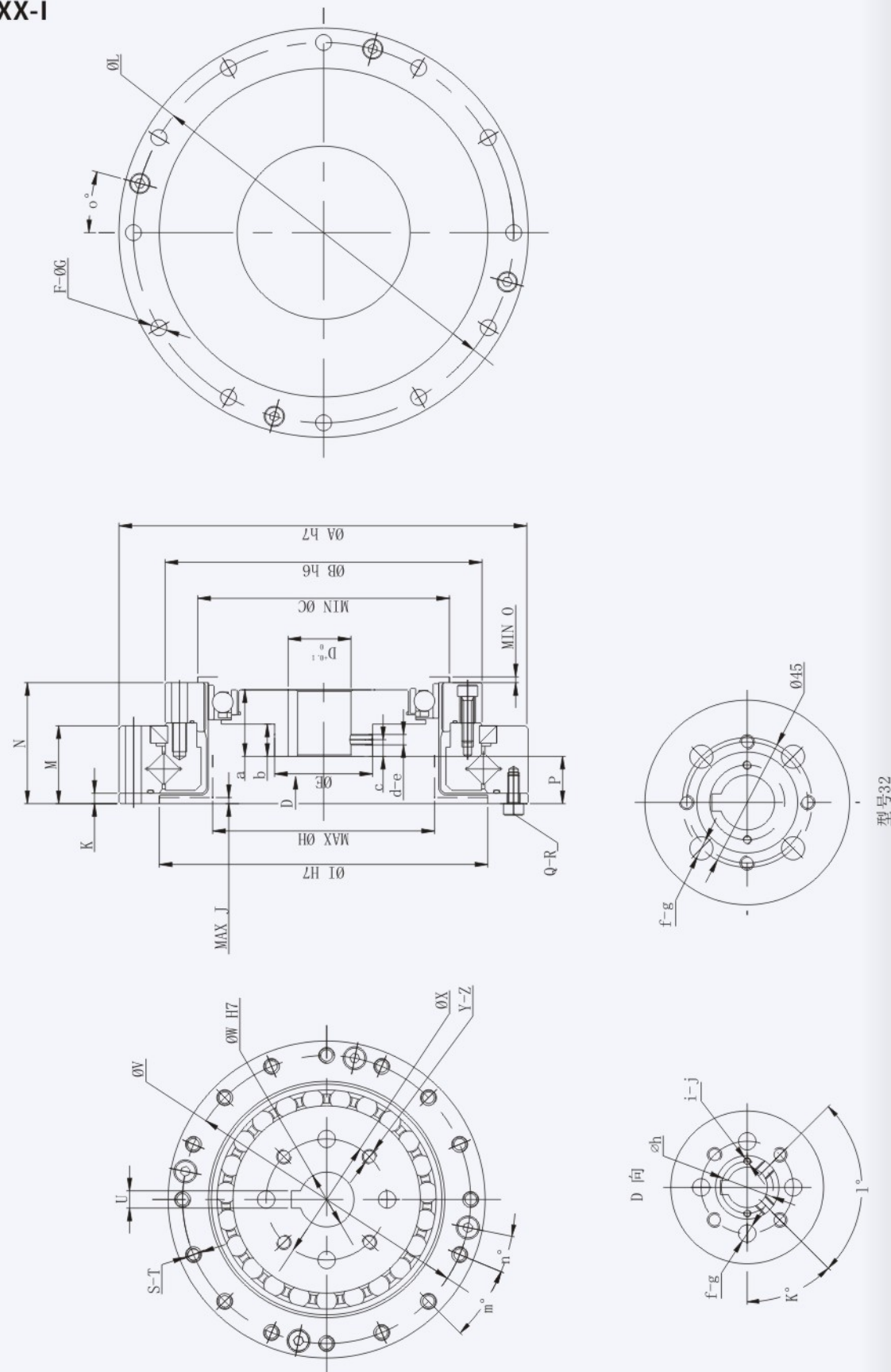
简易组合型
Simple combinative type

FHS-V

Precision Drive(Harmonic Reducer) 精密减速器 (谐波)

结构图 STRUCTURE CHART

FHS-XX-XX-I



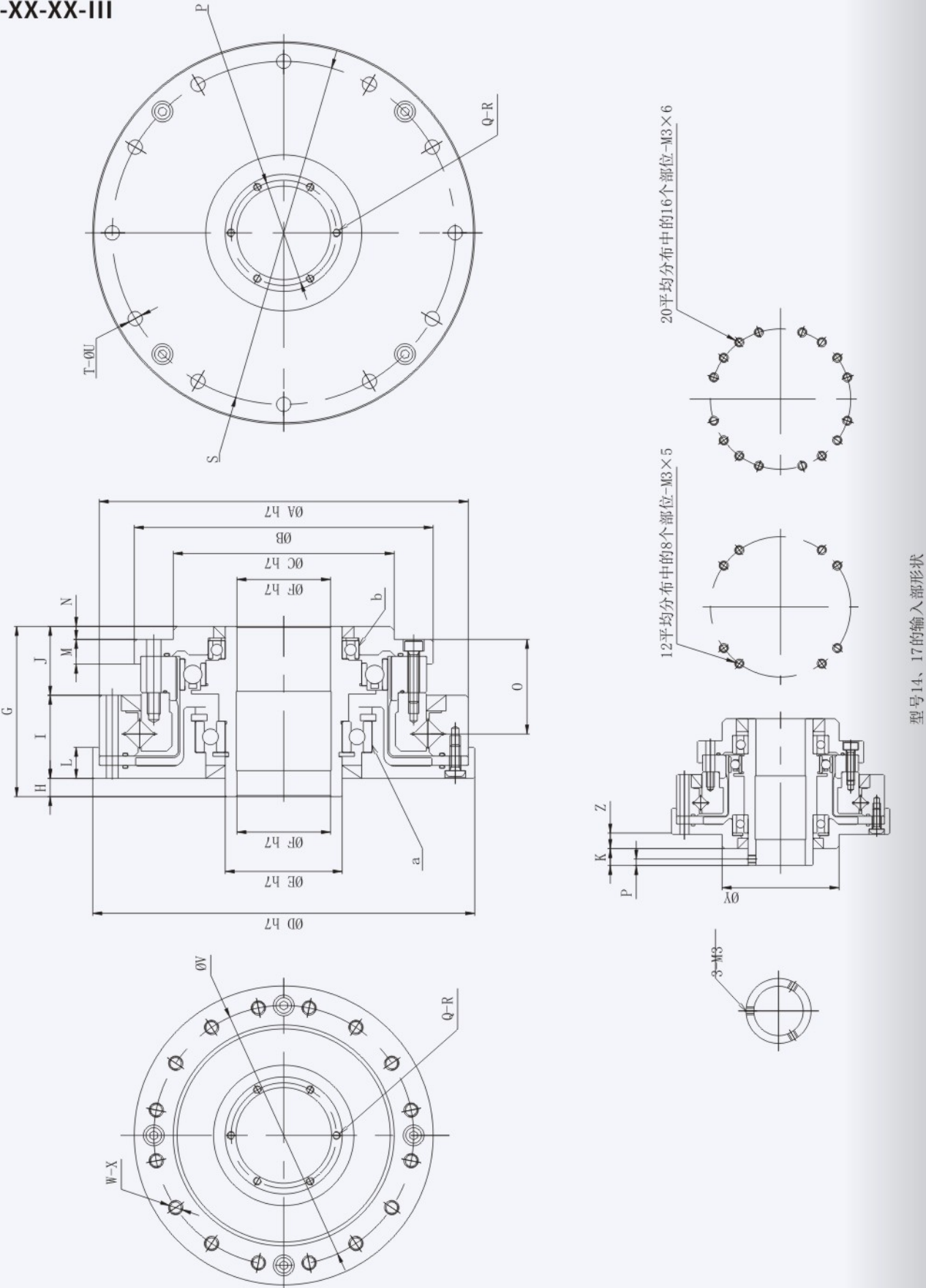
Precision Drive(Harmonic Reducer) 精密减速器 (谐波)

符号\型号	14型	17型	20型	25型	32型
ϕA h7	70	80	90	110	142
ϕB h6	50	60	70	85	110
ϕC	36.5	45	55	67	86
D	9.4	9.4	9.4	16.3	21.8
ϕE	14	16	22	22	35
F	8	12	12	12	12
ϕG	3.5	3.5	3.5	4.5	5.5
ϕH	30	37	47	57	77
ϕI	48	60	70	88	114
J	1.2	1.7	1.7	1.9	2.1
K	2.4	3	3	3.3	3.6
ϕL	64	74	84	102	132
M	16.5	19	20.5	22	27
N	23.5	26.5	29	34	42
O	1	1.5	1.5	1.5	2
P	13	13.5	15	17.5	23.5
Q	4	4	4	4	4
R	M3	M3	M3	M3	M4
S	8	16	16	16	16
T	M3x6	M3x6	M3x6	M4x8	M5x8
U	$\phi 3.5 \times 6$	$\phi 3.5 \times 6.5$	$\phi 3.5 \times 7.5$	$\phi 4.5 \times 10$	$\phi 5.5 \times 14$
ϕV	3 JS9	3 JS9	3 JS9	5 JS9	6 JS9
ϕW h7	44	54	62	77	100
ϕX	8	8	8	14	19
ϕY	18	22	27	32	42
Z	2	2	4	4	4
a	M3	M4	M4	M5	M5
b	10	12.5	13.5	14.5	16
c	2.5	4.5	4	5	4.1
d	-	2.5	2	3	-
e	-	2	2	2	-
f	-	M3	M3	M3	-
g	-	-	-	4	4
ϕg	-	-	-	6	8
ϕh	11	12	18	18	26
i	2	2	2	2	2
j	M2x5	M2.5x5	M2.5x5	M2.5x5	M3x6
k°	-	45	45	45	-
l°	-	90	90	90	-
m°	30	18	22.5	22.5	22.5
n°	30	18	11.25	11.25	11.25
o°	22.5	15	15	15	15

Precision Drive(Harmonic Reducer) 精密减速器（谐波）

结构图 STRUCTURE CHART

FHS-XX-XX-III



Precision Drive(Harmonic Reducer) 精密减速器（谐波）

符号\型号	14型	17型	20型	25型	32型	40型
Φ A h7	70	80	90	110	142	170
Φ B	54	64	75	90	115	140
Φ C h7	36	45	50	60	85	100
Φ D h7	74	84	95	115	147	175
Φ E h7	20	25	30	38	45	59
Φ F H7	14	19	21	29	36	46
G	52.5	56.5	51.5	55.5	65.5	79
H	12	12	5	6	7	8
I	20.5	23	25	26	32	38
J	20	21.5	21.5	23.5	26.5	33
K	6.5	6.5	-	-	-	-
L	9	10	10.5	10.5	12	14
M	8	8.5	9	8.5	9.5	13
N	7.5	8.5	7	6	5	7
O	21.5	23.9	25.5	29.4	36.4	44
Φ P(P)	2.5	2.5	25.5	33.5	40.5	52
Q	3	3	6	6	6	6
R	M3	M3	M3-6	M3-6	M3-6	M4-8
Φ S	64	74	84	102	132	158
T	8	12	12	12	12	12
Φ U	3.5	3.5	3.5	4.5	5.5	6.5
Φ V	44	54	62	77	100	122
W	12平均分布中8 20平均分布中16		16	16	16	16
X	M3-6	M3-6	M3-6	M4-8	M5-8	M6-10
Y	36	45	-	-	-	-
Z	5.5	5.5	-	-	-	-
a	61804	61805	61806	61808	61909	61912
b	61804	61805	61806	61808	61809	61812

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