精 密 契 合 索 特 品 质

PRECISE FIT SOTER QUALITY

SÖTER

精密契合 索特品质

PRECISE FIT

SOTER QUALITY

SPIRIT OF THE CRAFTSMAN

INTENSIVE CULTIVATION

THE SPIRIT OF
CRAFTSMEN

CARVE AND
POLISH

STRIVE FOR
PERFECTION

CUSTOMER SATISFACTION
IS MORE THAN 98%.

SPIRIT OF THE CRAFTSMAN
INTENSIVE CULTIVATION

SÖTER

浙江索特传动科技有限公司

ZHEJIANG SOTER TRANSMISSION SCIENCE AND TECHNOLOGY CO., LTD.

Add：浙江省温岭市东部新区二十四街5号

Tel：0576-86865666　　E-mail：sttz@cnstcd.com

http://www.cnstcd.com

放眼世界 / 成为全球合作伙伴

Look to the world
and
become a global partner

SÖTER 索特

索特传动 精密契合
PRECISE FIT
SOTER QUALITY

TECHNICAL ADVANTAGES

QUALITY MANAGEMENT SYSTEM CERTIFICATE
质量管理体系认证证书


ISO9001

质量管理体系认证证书

证书编号：20225Q21278R2M

兹证明

浙江索特传动科技有限公司

统一社会信用代码：91331081MA28GCDQ3D

质量管理体系符合：

GB/T 19001-2016/ISO 9001:2015 标准

证书覆盖范围：

齿条、导轨的生产和销售

注册地址：浙江省台州市温岭市东部新区二十四街 5 号（自主申报）
审核地址：浙江省台州市温岭市东部新区二十四街 5 号

本次颁发日期：2025 年 11 月 17 日
证书有效期至：2028 年 10 月 29 日
首次颁发日期：2019 年 10 月 30 日
上次有效期至：2025 年 10 月 29 日
再认证审核日期：2025 年 10 月 20 日下午至 22 日

证书签发人

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C197-M

浙江全品认证有限公司

中国·浙江·杭州市滨江区浦沿路88号1幢603室（310053）


ISO9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. : 20225Q21278R2M

We hereby certify that the organization:

ZHEJIANG SOTER TRANSMISSION TECHNOLOGY CO., LTD

Unified social credit code: 91331081MA28GCDQ3D

is in conformity with Quality Management System Standard:

GB/T 19001-2016/ISO 9001:2015

The certificate is valid to the following products/service:

Production and sales of racks and guide rails

Registration Address/Audit Address: No. 5, 24th Street, Eastern New District, Wenling City, Wenling City, Zhejiang Province, China

Date of Issue:17-11-2025
Date of Expiry:29-10-2028
Date of Initial:30-10-2019
Last valid until:29-10-2025
Re-certification audit date:October 20th P.M-22th,2025

Issued By

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C197-M

The audit of validity of the certificate, the certificate shall be at least once a year. The effectiveness of the Certificate is subject to QR Code in the lower left corner. Meanwhile, you can search the website of certification body: www.qpc.org.cn or search the CNCA website: www.cnca.gov.cn

ZHEJIANG QUANPIN CERTIFICATION CO.,LTD.

Room 603, Floor 6, Building 1, No.88, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn

CORPORATE HONOR
企业荣誉


浙江省科技型中小企业

证书

企业名称：浙江索特传动科技有限公司

证书编号：20193310000206

浙江省科学技术厅


GB

中华人民共和国国家标准化指导性技术文件

GB/Z 10096—2022

齿 条 精 度

Accuracy of rack

2022-10-12 发布　　2022-10-12 实施

国家市场监督管理总局
国家标准化管理委员会　发布


专精特新

荣誉证书

HONORARY CREDENTIAL

浙江索特传动科技有限公司

浙江省专精特新中小企业

浙江省经济和信息化厅

有效期：2026年5月至2029年5月


高新技术企业

证书

企业名称：浙江索特传动科技有限公司　　证书编号：GR202533008219

发证日期：2025 年 12 月 19 日　　有 效 期：三年

批准机关：

CONTENTS

PURSUING PRECISION QUALITY
CREATING EXCELLENT PRODUCTS

企业目录

索特传动
驱动工业精准未来

以匠心之道
铸就传动之精

索特传动科技

SPIRIT OF THE CRAFTSMAN
INTENSIVE CULTIVATION

GERMAN STANDARD
INDEPENDENTLY REFINED
CASTING EXCELLENT QUALITY

企业简介

COMPANY PROFILE

浙江索特传动科技有限公司始创于 2016 年，企业深耕高精密齿条研发与制造领域多年。依托持续发展积淀，公司生产规模稳步扩张，深度融入精益制造管理理念，组建实力雄厚的专业技术团队。

2022 年，由郑州机械研究所牵头修订齿条行业国家标准，公司核心负责人全程参与编制工作；全新标准GB/Z 10096-2022正式替代旧版GB/T 10096-1988，并于 2022 年 10 月 12 日正式发布实施。

伴随高端装备市场对齿条精度要求的持续升级，公司产品凭借优异品质在国内外同行中脱颖而出，广泛应用于高端传动领域，逐步实现国产替代进口，现已成为国内极具影响力的精密齿条标杆品牌。

全流程自主生产是企业核心优势，齿条从毛坯加工到成品精加工，全程自主管控、一体化生产。核心工序采用齿面高频淬火工艺，确保产品硬度均匀、性能稳定、耐磨耐耗，大幅延长使用寿命。公司全套研磨设备均选用国内一线原装品牌，同时引进瑞士SCHNEEBERGER高端磨齿设备，齿条精度可达DIN5 级，精度品质行业领先。

目前，企业已与国内多领域龙头企业建立长期战略合作关系，产销规模连年稳步增长。公司重视技术创新与自主研发，累计斩获十余项发明专利、实用新型专利，先后荣获国家高新技术企业、浙江省专精特新中小企业、国家级科技型中小企业等多项权威认证，是国内现阶段规模领先、实力雄厚的专业化精密齿条生产基地。

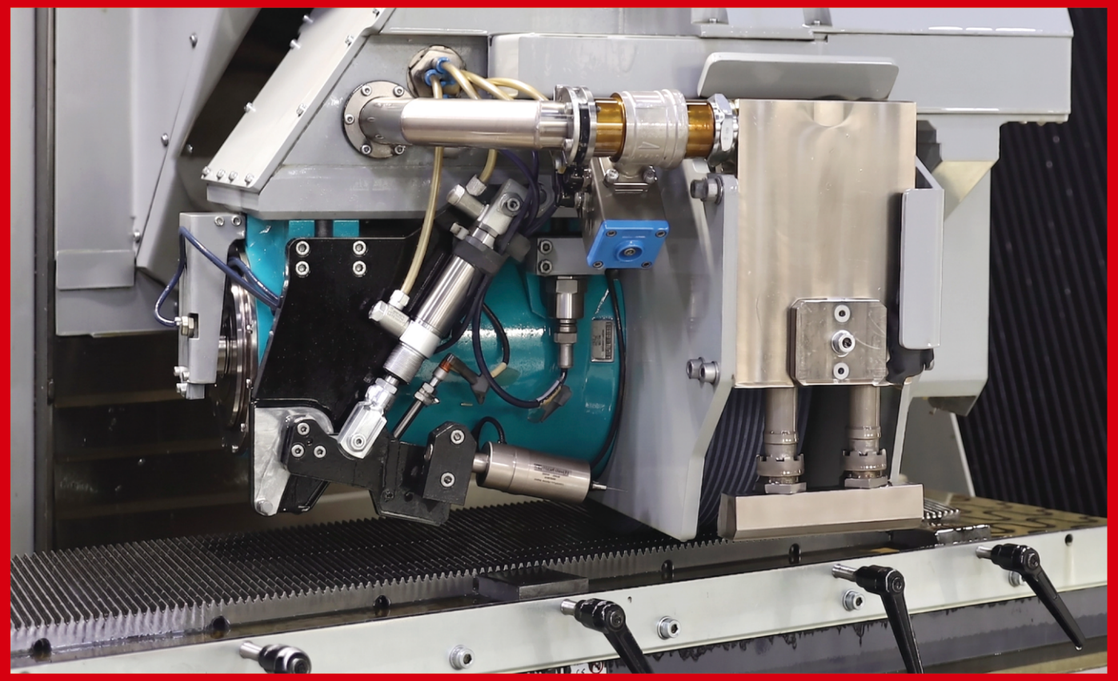
Zhejiang Suote Transmission Technology Co., Ltd. was founded in 2016. For years, the enterprise has been deeply engaged in the R&D and manufacturing of high-precision racks. With sustained development and accumulation, the company has steadily expanded its production scale, thoroughly adopted lean manufacturing management concepts, and built a strong professional technical team.

In 2022, the national industry standard for racks was revised under the leadership of Zhengzhou Research Institute of Mechanical Engineering. Core management personnel of our company fully participated in the standard compilation. The new standard GB/Z 10096-2022 officially replaced the old version GB/T 10096-1988, and was released and implemented on October 12, 2022.

With the continuous upgrading of precision requirements for racks in the high-end equipment market, our products stand out among domestic and foreign peers by virtue of superior quality. Widely applied in high-end transmission fields, our products gradually realize import substitution and have become a benchmark brand of high-precision racks with great influence in China.

In-house full-process production is our core advantage. All racks are independently controlled and integrally produced from blank processing to finished finishing. The key process adopts tooth surface high-frequency quenching to ensure uniform hardness, stable performance, excellent wear resistance and longer service life.All grinding equipment is equipped with first-class domestic original brands. Meanwhile, we introduce high-end gear grinding machines from the Swiss brand SCHNEEBERGER, enabling our racks to reach DIN 5 precision grade, leading the industry in accuracy and quality.

At present, the company has established long-term strategic cooperative relations with leading enterprises in various domestic industries, with annual production and sales volume growing steadily.Attaching great importance to technological innovation and independent research and development, we have obtained more than ten invention patents and utility model patents. We have been awarded many authoritative honors, including National High-tech Enterprise, Zhejiang Specialized, Refined, Differential and Innovative SME, and National Science and Technology-based SME. We are currently a large-scale and powerful professional production base of precision racks in China.

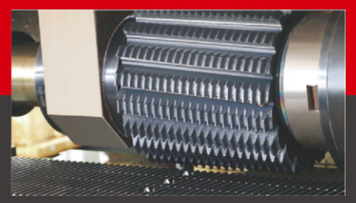


为全球客户
提供高品质产品

PROVIDING HIGH
QUALITY PRODUCTS
FORGLOBAL CUSTOMERS

索特制造基地配备国内领先的数控加工设备，全现代化的设备以及管理系统，严格管控生产制造环节领先国际的技术标准，精细的工艺制造确保产品具备世界领先水平。

Sort Manufacturing Base is equipped with leading domestic NC machining equipment.
fully modern equipment and management system,
strict control of production and manufacturing links.leadinginternational technical standards.
fine process manufacturing to ensure that products have the world's leading level.



精工智造

SOPHISTICATED CRAFT

- 精密设备，高端研发团队，品质保障!
  Precision equipment,high-endR&Dteam,quality assurance!
- 无可挑剔的智造设备
  Impeccable intellectual equipment.
- 精确到丝米的测量单位
  Accurate to the measuring unit of silk meter.
- 中外研发团队无缝衔接
  Chinese and foreign R& D teams seamlessly link up.
- 索特是精工品质与品牌
  Soteris Seiko quality and brand.
- 魅力完美结合的典范!
  The perfect combination of charm!

PROVIDING HIGH
QUALITY PRODUCTS
FORGLOBAL CUSTOMERS

CORPORATE CULTURE
企业文化

企业愿景 VISION

提升中国传动产品行业形象，
成就可持续发展的品牌领跑者!

Enhance the image of China's transmission industry and achieve sustainable brand leader!

索特精神 SPIRIT

开拓，永不停歇!品质至上，追求卓越!

Open up and never stop! Quality first, pursuit of excellence!

企业文化 CORPORATE CULTURE

创新科研、精密智造、诚心服务、确保客户放心!

Innovativeresearch,precision manufacturing, sincere serviceto ensure customer confidence!

索特质量观 CONCEPT OF QUALITY

匠工精神，精雕细琢，精益求精，顾客满意度98%

The spirit of craftsmen, carve and polish, strive for perfection.customersatisfaction is more than 98%

承载力选择表

SELECTION AND LOAD TABLES

在具有充足的润滑油脂，安全及使用系数1.0，线速度v=1.5m/s的情况下，最大允许扭矩
Nmmawmym permissible torques in Nm with sdequate lubrication with gafely and application factor 1.0： and a speed of 1.5 mis

模数 | module		1 b=10mm				1,5 b=15mm				2 b=20mm				
齿数 | number of teeth		15	20	25	40	15	20	25	40	15	20	25	30	40
齿条 | rack 材料和齿形 material&tooth system	圆柱齿轮 | pinion													
C45材料 | C45 soft直齿 | straight	C45材料 C45 soft	0.3	0.9	1.1	10.7	1.0	2.8	8.8	35.3	4.4	14.1	26.9	44.2	98.2
	C45高频淬火 C45 ind.-hardened	1.2	2.5	4.5	14.7	2.0	5.7	17.7	60.0	13.8	28.1	48.0	74.1	134.7
C45高频淬火 C45ind.-hardened 直齿 | straight	C45高频淬火 C45ind.-hardened	2.0	8.7	14.7	25.3	7.0	28.2	52.9	95.3	29.8	75.0	128.2	151.7	200.2
C45高频淬火 C45 ind.-hardened 齿面经磨削 直齿 ground teeth; straight	C45高频淬火 C45 ind.-hardened													
C45高频淬火 C45 ind.-hardened 齿面经磨削 斜齿 ground teeth; helical	C45高频淬火 C45ind.-hardened													
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 直齿 ground teeth; straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth									159.8	200.0	200.0		320.3
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 斜齿 ground teeth; helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth									180.9	227.8	227.8		365.2
42CrMo4V调质 42CrMo4V quenched&tempered 直齿 | straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth									42.8	68.2	68.2		186.7
42CrMo4V调质 42CrMo4V quenched&tempered 斜齿 | helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth									45.9	73.0	73.0		195.1

模数 | module		2.5 b=25mm				3 b=30mm				
齿数 | number of teeth		15	20	25	40	15	20	25	30	40
齿条 | rack 材料和齿形 material&tooth system	圆柱齿轮 | pinion									
C45材料 | C45 soft直齿 | straight	C45材料 C45 soft	8.5	25.1	52.8	175.2	13	46	97.2	159.6	339.8
	C45高频淬火 C45 ind.-hardened	15.6	45.1	95	145.2	40.8	91.9	168.2	243.4	450.3
C45高频淬火 C45ind.-hardened 直齿 | straight	C45高频淬火 C45ind.-hardened	60	149.9	255.8	399.7	87.1	215.1	440.0	497.3	780
C45高频淬火 C45 ind.-hardened 齿面经磨削 直齿 ground teeth; straight	C45高频淬火 C45 ind.-hardened									
C45高频淬火 C45 ind.-hardened 齿面经磨削 斜齿 ground teeth; helical	C45高频淬火 C45ind.-hardened									
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 直齿 ground teeth; straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth							420.1	530.2	880.0
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 斜齿 ground teeth; helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth							504.7	605	
42CrMo4V调质 42CrMo4V quenched&tempered 直齿 | straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth							138.0	234.8	620.2
42CrMo4V调质 42CrMo4V quenched&tempered 斜齿 | helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth							145	245.1	

承载力选择表

SELECTION AND LOAD TABLES

在具有充足的润滑油脂，安全及使用系数1.0，线速度v=1.5m/s的情况下，最大允许扭矩
Nmmawmym permissible torques in Nm with sdequate lubrication with gafely and application factor 1.0： and a speed of 1.5 mis

模数 | module		4 b=40mm					5 b=50mm				6 b=60mm		
齿数 | number of teeth		15	20	25	30	40	15	20	25	40	15	20	25
齿条 | rack 材料和齿形 material&tooth system	圆柱齿轮 | pinion												
C45材料 | C45 soft直齿 | straight	C45材料 C45 soft	39.9	115.1	240.2	414.1	850.1	89.8	230.0	489.7	800.4	170.2	429.7	870.4
	C45高频淬火 C45 ind.-hardened	130	249.9	415.2	593.2	1100.4	259.7	499.7	800.4	1200.1	470	810.3	1400.5
C45高频淬火 C45ind.-hardened 直齿 | straight	C45高频淬火 C45ind.-hardened	220.2	640.1	1070.1	1306.9	1710.4	450	1150.0	1660.4	1999.5	794.6	2200.5	2950.0
C45高频淬火 C45 ind.-hardened 齿面经磨削 直齿 ground teeth; straight	C45高频淬火 C45 ind.-hardened						1080		2060.0				3640.0
C45高频淬火 C45 ind.-hardened 齿面经磨削 斜齿 ground teeth; helical	C45高频淬火 C45ind.-hardened						1330					3170.0	4180.0
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 直齿 ground teeth; straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth		159.8	1330.4	2000.3								
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 斜齿 ground teeth; helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth	770.1	180.9	1530.2									
42CrMo4V调质 42CrMo4V quenched&tempered 直齿 | straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth		42.8	575.0		1550.4							
42CrMo4V调质 42CrMo4V quenched&tempered 斜齿 | helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth	240.8	45.9	589.9									

模数 | module		8 b=80mm			10 b=100mm
齿数 | number of teeth		15	20	25	20
齿条 | rack 材料和齿形 material&tooth system	圆柱齿轮 | pinion				
C45材料 | C45 soft直齿 | straight	C45材料 C45 soft	420.1	1050.5	2101.0	
	C45高频淬火 C45 ind.-hardened	1149.5	2101.0	3398.0	4000
C45高频淬火 C45ind.-hardened 直齿 | straight	C45高频淬火 C45ind.-hardened	1898.0	4502.0	7500.0	9900.0
C45高频淬火 C45 ind.-hardened 齿面经磨削 直齿 ground teeth; straight	C45高频淬火 C45 ind.-hardened		6870.0		12850.0
C45高频淬火 C45 ind.-hardened 齿面经磨削 斜齿 ground teeth; helical	C45高频淬火 C45ind.-hardened				14000.0
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 直齿 ground teeth; straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth				
16MnCr5渗碳淬火 16MnCr5 case-hardened 齿面经磨削 斜齿 ground teeth; helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth				
42CrMo4V调质 42CrMo4V quenched&tempered 直齿 | straight	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth				
42CrMo4V调质 42CrMo4V quenched&tempered 斜齿 | helical	16MnCr5 渗碳淬火 16MnCr5 case-hardened 齿面经磨削 ground teeth				

齿条装配说明

INSTRUCTION OF RACK
ASSEMBLY STEPS

为了可以更顺利的安装连接用齿条，标准齿条的两端断面将会加工为半齿齿底，以方便跟下一支齿条的端面半齿齿底连接成一个全齿。如图表示为两支齿条如何连接并由齿规可以拥有准确的齿距位置。关与斜齿齿条相接可以借由反向齿规的配合以便可以精准的连接齿条。

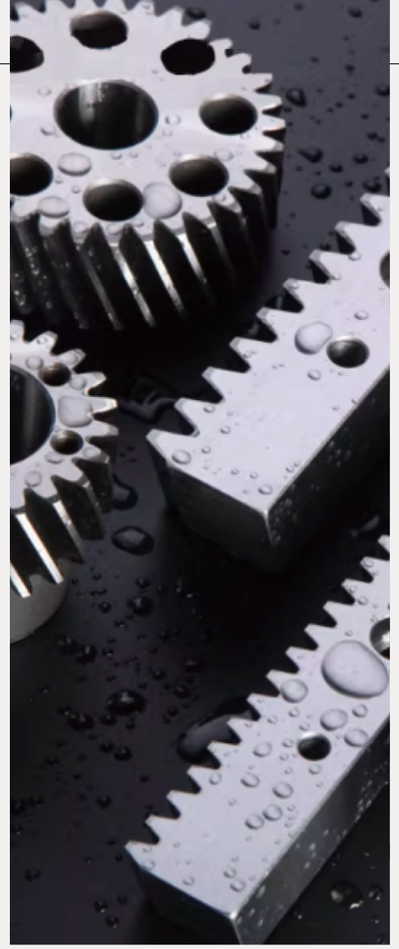
1.在齿条安装相接时，我们建议先锁上齿条侧面的安装孔，并依照基座上相对应的孔位依序锁上;并借由安装齿规可以很准确的将齿条的齿距位置安装完成。

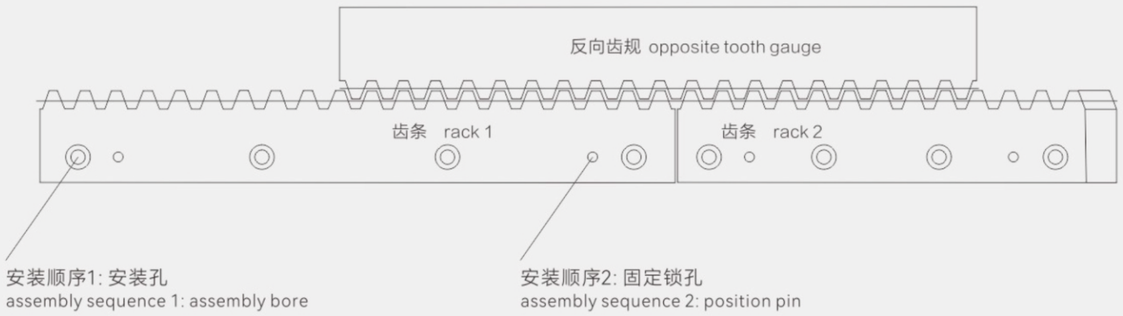
2.最后再将齿条上的两端侧面的固定销孔给固定上即完成安装。

To ensure smoother installation of connecting racks, both end faces of standard racks are machined to the half-tooth root form. This allows easy meshing with the half-tooth root on the end face of the next rack to form a full tooth. The diagram shows how two racks are connected and accurately positioned for correct tooth pitch using a tooth gauge. For helical rack connection, a reverse tooth gauge can be used to achieve precise rack engagement.

1.When installing and joining racks, we recommend first fastening the mounting holes on the side of the rack, then tightening them sequentially according to the corresponding holes on the base. The tooth pitch of the rack can be accurately positioned with the help of a mounting tooth gauge.

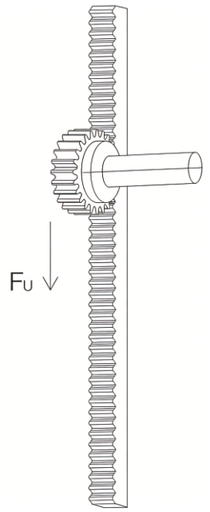
2.Finally, secure the fixing pin holes on both side faces of the rack to complete the installation.





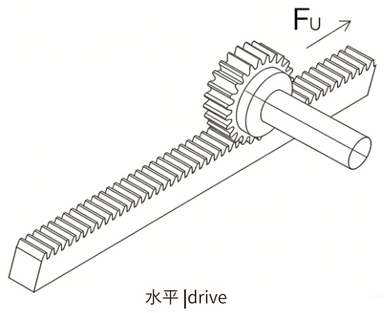
齿条传动形式

SELECTION RACK ANDPINION DRIVE



上升 / 下降 | lift / lower
Fu=m·g+m·a

概括 | General
名称 | Description
加速度 | Acceleration
速度 | Speed
距离 | Distance
时间 | Time
转速 | Revolutions Perminute.rpm
分度圆直径 | Pitch Diameter
扭矩 | Torque
功率 | Power



水平 |drive
Fu=m·g·μ+m·a

代号/公式 symbol /formula	单位 dimension
$a=\frac{V}{t}=\frac{2s}{t^2}$	m/s^2
$a=\frac{V}{t}=\sqrt{2as}$	m/s
s	m
t	s
$n=\frac{v60.000}{\pi \cdot d_o}$	1/min
d_o	mm
$M=\frac{F_u d_o}{2000}$	Nm
$P=\frac{M \cdot n}{9550}=\frac{F_u \cdot n \cdot d_o}{19100}$	kW

第09页至第10页是关与各种
齿轮、齿条配合时所能承受的最大允许功率表

On pages2and4 are listed some selection tables for rack/pinion drives for the maximum permissiblepower.

设计参数 The dimensioning happened withapplication factor:

使用系数 application factor: ---------- 1,0
齿间连接安全系数 safety for stress at, single tooth contact ---------- 1,0
防齿裂安全系数 safety for Tooth root stress: ---------- 1,4
使用寿命 service life in hours: ---------- 20,000h

- 所测得的试验齿条的弯曲疲劳极限σ_{Flim}和试验齿条的接触疲劳极限σ_{Hlim}值如下
We calculate with following values for rolling load $\sigma_{lim}$and bending load σ_{Him}

材料	σ_{lim}[N/mm2]	σ_{Him}[N/mm2]
C45	440	550
C45 高频淬火 induction hardened	750	1250
16MnCr5 渗碳淬火	920	1500
Carburisized and hardened 42CrMo4V	600	730

规格参数
SPECIFICATION

型号：552020100
规格：24x24x1000
模数：M2
齿数：Z=150
压力角：a=20
齿顶高系数：ha=1
齿型：斜齿
右旋角：19°31°42°
精度等级：DIN6国标5级
硬度处理：齿面高频淬火 HRC48-52°
生产工艺：四面研磨，齿面研磨

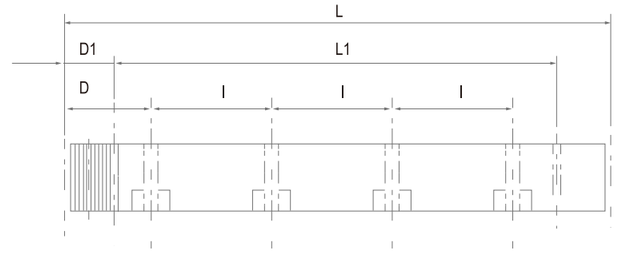
Model：552020100
Specification：24x24x1000
Mudule：M2
The number ofteeth：Z=150
Pressure angle：a=20
Addendum coefficient：ha=1
Tooth profile：helical teeth
Rightangle：19°31°42°
Precision grade：DIN6 GB5
Hardness treatment： Tooth surface high frequency HRC48-52°
Production process： four side grinding. tooth surface grinding

规格参数
SPECIFICATION

型号：552030100
规格：29x29x1000
模数：M3
齿数：Z=100
压力角：a=20
齿顶高系数：ha=1
齿型：斜齿
右旋角：19°31°42°
精度等级：DIN6国标5级
硬度处理：齿面高频淬火HRC48-52°
生产工艺：四面研磨，齿面研磨

Model:：552030100
Specification：29x29x1000
Mudule：M3
The number of teeth：Z=100
Pressure angle：a=20
Addendum coefficient：ha=1
Tooth profile：helical teeth
Right angle：19°31°42°
Precision grade：DIN6 GB5
Hardness treatment： Tooth surface high frequency HRC48-52°
Production process：four side grinding,tooth surface grinding

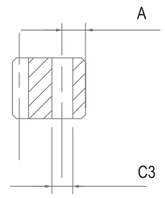
技术要求
TECHNICAL REQUIREMENT

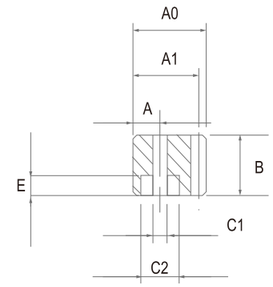


精度等级：DIN6国标5级
材　　料：S45C/42CrMo
齿　　型：直齿
硬度处理：高频淬火HRC48-52/HRC50-55
生产工艺：硬齿面处理后四面平磨，齿面研磨

亦供应无钻孔的齿条，请与型号后备注"N"，如551020100-N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前
请与本公司联系确认。





Precision grade：DIN6 National standard 5
Material Science：S45C/42CrMo
MoTooth type：Straight tooth
Hardness treatment：High frequency quenching HRC48-52/HRC55°
Production process：Four side grinding after hard tooth surfacetreatment tooth surface grinding

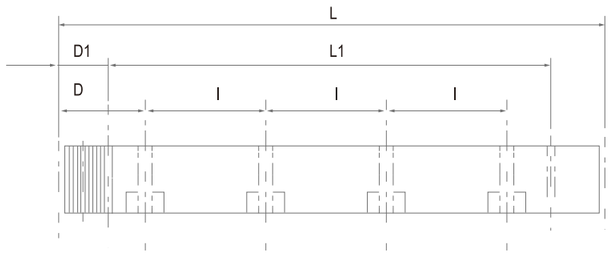
Racks without holes are also available.Note"N"in the end of code number.l.e. 551020100-N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面齿距 Pe=模数xπ Fp=总齿距误差　　单位/Dimension：mm

型号 Code	模数 Module	Pt	L	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
551 010 050	1.5	4.7123	499.51	106	17	17	15.5	62.44	124.88	4	7	6	9.5	7	29	441.5	5.7	0.029
551 010 100	1.5	4.7123	999.03	212	17	17	15.5	62.44	124.88	8	7	6	9.5	7	29	941.0	5.7	0.033
551 015 050	1.5	4.7123	499.50	106	19	19	17.5	62.44	124.88	4	8	7	11	7	29	441.5	5.7	0.029
551 015 100	1.5	4.7123	999.03	212	19	19	17.5	62.44	124.88	8	8	7	11	7	29	941.0	5.7	0.033
551 020 050	2	6.2831	502.65	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.029
551 020 100	2	6.2831	1005.31	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.034
551 030 050	3	9.4247	508.94	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.032
551 030 100	3	9.4247	1017.88	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	0.037
551 040 050	4	12.5666	502.65	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.034
551 040 100	4	12.5666	1005.31	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.04
551 050 050	5	15.7079	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.034
551 050 100	5	15.7079	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945.0	11.7	0.04
551 060 050	6	18.8495	508.94	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.034
551 060 100	6	18.8495	1017.88	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.04
551 080 050	8	25.1327	502.65	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.037
551 080 100	8	25.1327	1005.31	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952.0	19.7	0.043
551 100 100	10	31.4159	1005.31	32	99	99	89	62.83	125.66	8	32	33	48	32	125.67	754.0	19.7	0.043
551 120 100	12	37.6991	1017.88	27	120	120	108	63.6	127.23	8	40	39	58	38	127.23	763.4	19.7	0.046

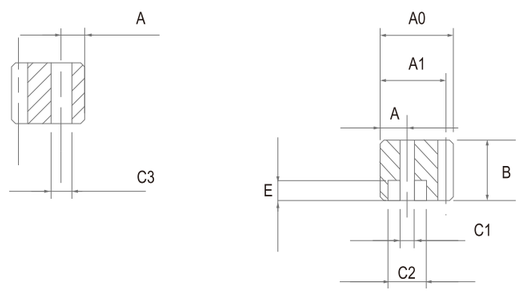
技术要求
TECHNICAL REQUIREMENT



精度等级：DIN8国际7级
材　　料：S45C
齿　　型：直齿
硬度处理：调质处理HB20-25°
生产工艺：四面平磨精插

亦供应无钻孔的齿条，请与型号后备注"N"，如661020100-N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前
请与本公司联系确认。



Accuracy level：DIN8international 7 level.
Material：S45C
Tooth profile：straight tooth
Hardness treatment：quenching and tempering treatment HB20-25°
Production process：four side flat grinding and fine cutting

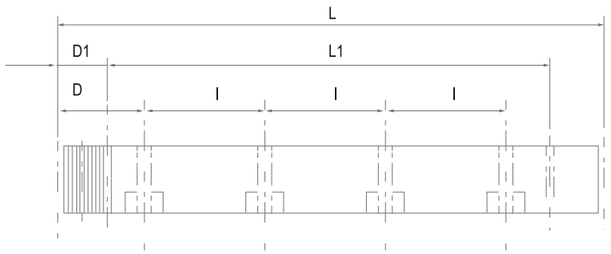
Racks without holes are also available.Note"N"in the end of code number.I.e. 661020100-N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面齿距 Pe=模数xπ Fp=总齿距误差　　单位/Dimension：mm

型号 Code			模数 Module	Pt	L	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
661	010	050	1.5	4.7123	499.51	106	17	17	15.5	62.44	124.88	4	7	6	9.5	7	29	441.5	5.7	0.066
661	010	100	1.5	4.7123	999.03	212	17	17	15.5	62.44	124.88	8	7	6	9.5	7	29	941.0	5.7	0.074
661	015	050	1.5	4.7123	499.50	106	19	19	17.5	62.44	124.88	4	8	7	11	7	29	441.5	5.7	0.066
661	015	100	1.5	4.7123	999.03	212	19	19	17.5	62.44	124.88	8	8	7	11	7	29	941.0	5.7	0.074
661	020	050	2	6.2831	502.65	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.066
661	020	100	2	6.2831	1005.31	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.074
661	030	050	3	9.4247	508.94	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.066
661	030	100	3	9.4247	1017.88	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	0.072
661	040	050	4	12.5666	502.65	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.072
661	040	100	4	12.5666	1005.31	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.078
661	050	050	5	15.7079	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.072
661	050	100	5	15.7079	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945.0	11.7	0.078
661	060	050	6	18.8495	508.94	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.072
661	060	100	6	18.8495	1017.88	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.078
661	080	050	8	25.1327	502.65	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.08
661	080	100	8	25.1327	1005.31	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952.0	19.7	0.085
661	100	100	10	31.4159	1005.31	32	99	99	89	62.83	125.66	8	32	33	48	32	125.67	754.0	19.7	0.09
661	120	100	12	37.6991	1017.88	27	120	120	108	63.6	127.23	8	40	39	58	38	127.23	763.4	19.7	0.09

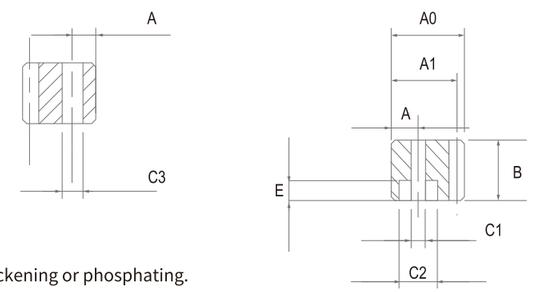
技术要求
TECHNICAL REQUIREMENT



精度等级：DIN8国际7级
材　　料：S45C
齿　　型：直齿
硬度处理：高频淬火HRC48-52°
生产工艺：四面平磨精插，表面发黑或磷化

亦供应无钻孔的齿条，请与型号后备注"N"，如STOER010N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前
请与本公司联系确认。



Accuracy level：DIN8 international 7 level.
Material：S45C
Tooth profile：straight tooth
Hardness treatment：high frequency quenching HRC48-52
Production process：four sides flat grinding,fine insertion,surface blackening or phosphating.

Racks without holes are also available.Note"N"in the end of code number.I.e. SOTER010N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面齿距 Pe=模数xπ Fp=总齿距误差　　单位/Dimension：mm

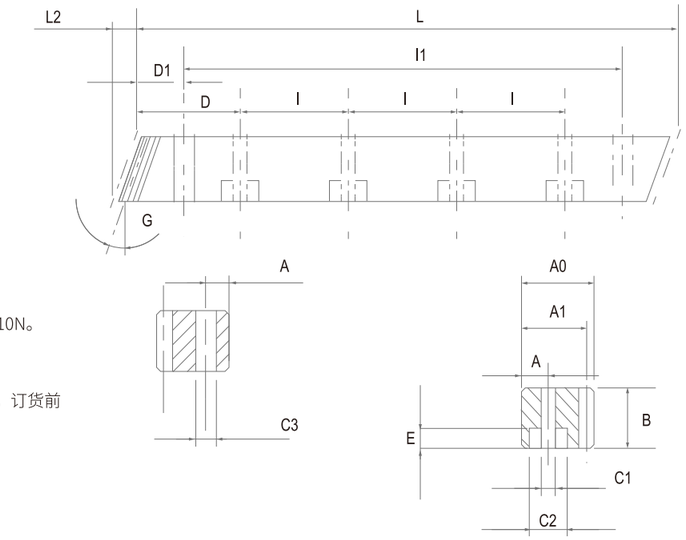
型号 Code			模数 Module	Pt	L	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
771	010	050	1.5	4.7123	499.51	106	17	17	15.5	62.44	124.88	4	7	6	9.5	7	29	441.5	5.7	0.08
771	010	100	1.5	4.7123	999.03	212	17	17	15.5	62.44	124.88	8	7	6	9.5	7	29	941.0	5.7	0.09
771	015	050	1.5	4.7123	499.50	106	19	19	17.5	62.44	124.88	4	8	7	11	7	29	441.5	5.7	0.08
771	015	100	1.5	4.7123	999.03	212	19	19	17.5	62.44	124.88	8	8	7	11	7	29	941.0	5.7	0.09
771	020	050	2	6.2831	502.65	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.08
771	020	100	2	6.2831	1005.31	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.09
771	030	050	3	9.4247	508.94	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.088
771	030	100	3	9.4247	1017.88	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	0.101
771	040	050	4	12.5666	502.65	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.095
771	040	100	4	12.5666	1005.31	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.109
771	050	050	5	15.7079	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.095
771	050	100	5	15.7079	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945.0	11.7	0.109
771	060	050	6	18.8495	508.94	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.095
771	060	100	6	18.8495	1017.88	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.109
771	080	050	8	25.1327	502.65	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.1
771	080	100	8	25.1327	1005.31	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952.0	19.7	0.11
771	100	100	10	31.4159	1005.31	32	99	99	89	62.83	125.66	8	32	33	48	32	125.67	754.0	19.7	0.12
771	120	100	12	37.6991	1017.88	27	120	120	108	63.6	127.23	8	40	39	58	38	127.23	763.4	19.7	0.12

技术要求
TECHNICAL REQUIREMENT

精度等级：DIN6国际5级
材　　料：S45C/42CrMo
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/渗碳淬火HRC50-55°
生产工艺：硬齿面处理后四面平磨，齿面研磨

亦供应无钻孔的齿条，请与型号后备注"N"，如STOER010N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。



Accuracy level：DIN6 international 5 level.
Material：S45C/42CrMo
Tooth profile：helical teeth
Right angle：19°31'42"
Hardness treatment：high frequency quenching HRC48-52°/HRC50-55°
Production process：four sides flat grinding,fine insertion,surface blackening or phosphating.

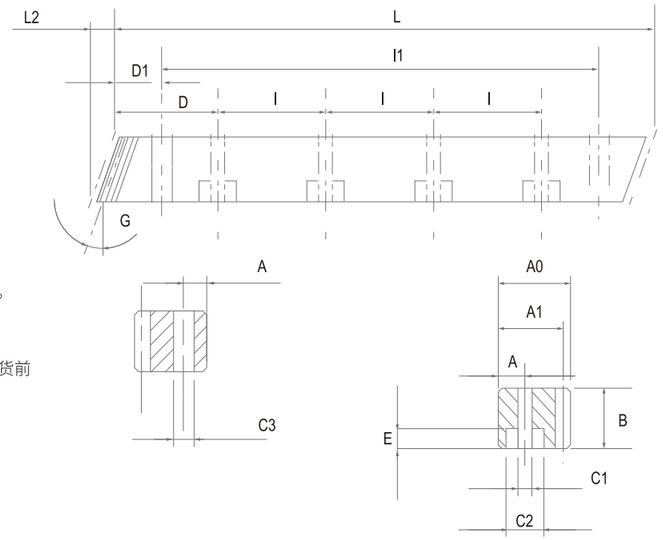
Racks without holes are also available.Note"N"in the end of code number.l.e. SOTER010N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面距Pe=模数xπ/COS(19°31'42")　Fp=总距误差　　单位/Dimension：mm

型号 Code	模数 Module	Pt	L	L2	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
552 010 050	1.5	4.9999	500.00	6	100	17	17	15.5	62.5	125	4	7	6	9.5	7	31.7	436.6	5.7	0.029
552 010 100	1.5	4.9999	1000.00	6	200	17	17	15.5	62.5	125	8	7	6	9.5	7	31.7	936.6	5.7	0.033
552 015 050	1.5	4.9999	500.00	6.74	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.029
552 015 100	1.5	4.9999	1000.00	6.74	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.033
552 020 050	2	6.6666	500.00	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.029
552 020 100	2	6.6666	1000.00	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.034
552 030 050	3	9.9999	500.00	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.032
552 030 100	3	9.9999	1000.00	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.037
552 040 050	4	13.3333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.034
552 040 100	4	13.3333	1000.00	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.04
552 050 050	5	16.6666	500.00	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.034
552 050 100	5	16.6666	1000.00	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.04
552 060 050	6	19.9999	500.00	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.034
552 060 100	6	19.9999	1000.00	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.04
552 080 050	8	26.6667	480.00	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120	240.0	19.7	0.037
552 080 100	8	26.6667	960.00	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120	720.0	19.7	0.043
552 100 100	10	33.3333	1000.00	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125	750.0	19.7	0.043
552 120 100	12	39.9999	1000.00	42.56	25	120	120	108	40	125	8	40	39	58	38	125	750.0	19.7	0.046

技术要求
TECHNICAL REQUIREMENT



精度等级：DIN8 国际7级
材　　料：S45C
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：调质处理HB20-25°
生产工艺：四面平磨精插

亦供应无钻孔的齿条，请与型号后备注"N"，如STOER010N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前
请与本公司联系确认。

Accuracy level：DIN8 international 7 level.
Material：S45C
Tooth profile：helical teeth
Right angle：19°31'42"
Hardness treatment：quenching and tempering treatment HB20-25°
Production process：four sides flat grinding and fine cutting

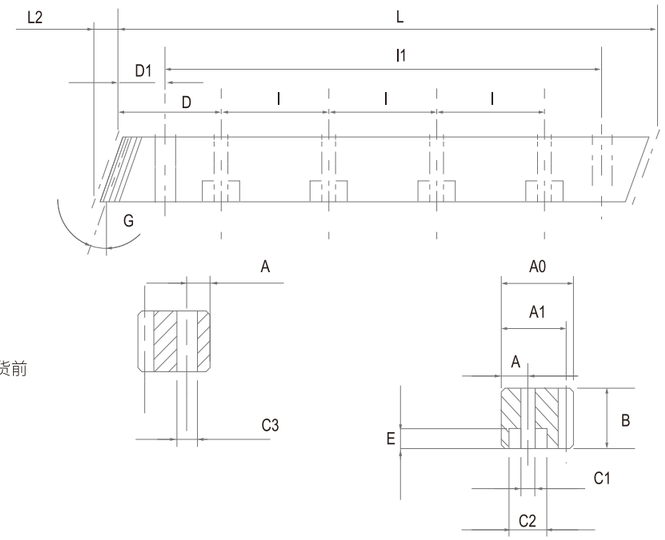
Racks without holes are also available.Note"N"in the end of code number.I.e. SOTER010N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面距Pe=模数xπ/COS(19°31'42")　Fp=总距误差　　单位/Dimension：mm

型号 Code			模数 Module	Pt	L	L2	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
662	010	050	1.5	4.9999	500.00	6	100	17	17	15.5	62.5	125	4	7	6	9.5	7	31.7	436.6	5.7	0.066
662	010	100	1.5	4.9999	1000.00	6	200	17	17	15.5	62.5	125	8	7	6	9.5	7	31.7	936.6	5.7	0.074
662	015	050	1.5	4.9999	500.00	6.74	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.066
662	015	100	1.5	4.9999	1000.00	6.74	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.074
662	020	050	2	6.6666	500.00	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.066
662	020	100	2	6.6666	1000.00	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.074
662	030	050	3	9.9999	500.00	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.066
662	030	100	3	9.9999	1000.00	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.072
662	040	050	4	13.3333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.072
662	040	100	4	13.3333	1000.00	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.078
662	050	050	5	16.6666	500.00	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.072
662	050	100	5	16.6666	1000.00	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.078
662	060	050	6	19.9999	500.00	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.072
662	060	100	6	19.9999	1000.00	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.078
662	080	050	8	26.6667	480.00	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120	240.0	19.7	0.08
662	080	100	8	26.6667	960.00	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120	720.0	19.7	0.085
662	100	100	10	33.3333	1000.00	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125	750.0	19.7	0.09
662	120	100	12	39.9999	1000.00	42.56	25	120	120	108	40	125	8	40	39	58	38	125	750.0	19.7	0.09

技术要求
TECHNICAL REQUIREMENT



精度等级：DIN8 国际7级
材　　料：S45C
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°
生产工艺：四面平磨精插，表面发黑或磷化

亦供应无钻孔的齿条，请与型号后备注"N"，如STOER010N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前
请与本公司联系确认。

Accuracy level：DIN8 international 7 level.
Material：S45C
Tooth profile：helical teeth
Right angle：19°31'42"
Hardness treatment：high frequency quenching HRC48-52°
Production process：four sides flat grinding, fine insertion,surface blackening or phosphating.

Racks without holes are also available.Note"N"in the end of code number.I.e. SOTER010N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面距Pe=模数xπ/COS(19°31'42")　Fp=总距误差　　单位/Dimension：mm

型号 Code			模数 Module	Pt	L	L2	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
772	010	050	1.5	4.9999	500.00	6	100	17	17	15.5	62.5	125	4	7	6	9.5	7	31.7	436.6	5.7	0.08
772	010	100	1.5	4.9999	1000.00	6	200	17	17	15.5	62.5	125	8	7	6	9.5	7	31.7	936.6	5.7	0.09
772	015	050	1.5	4.9999	500.00	6.74	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.08
772	015	100	1.5	4.9999	1000.00	6.74	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.09
772	020	050	2	6.6666	500.00	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.08
772	020	100	2	6.6666	1000.00	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.09
772	030	050	3	9.9999	500.00	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.088
772	030	100	3	9.9999	1000.00	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.101
772	040	050	4	13.3333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.095
772	040	100	4	13.3333	1000.00	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.109
772	050	050	5	16.6666	500.00	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.095
772	050	100	5	16.6666	1000.00	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.109
772	060	050	6	19.9999	500.00	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.095
772	060	100	6	19.9999	1000.00	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.109
772	080	050	8	26.6667	480.00	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120	240.0	19.7	0.1
772	080	100	8	26.6667	960.00	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120	720.0	19.7	0.11
772	100	100	10	33.3333	1000.00	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125	750.0	19.7	0.12
772	120	100	12	39.9999	1000.00	42.56	25	120	120	108	40	125	8	40	39	58	38	125	750.0	19.7	0.12

V型研磨导轨直齿条

V-TYPE GROUND STRAIGHT GUIDE RACK

技术要求

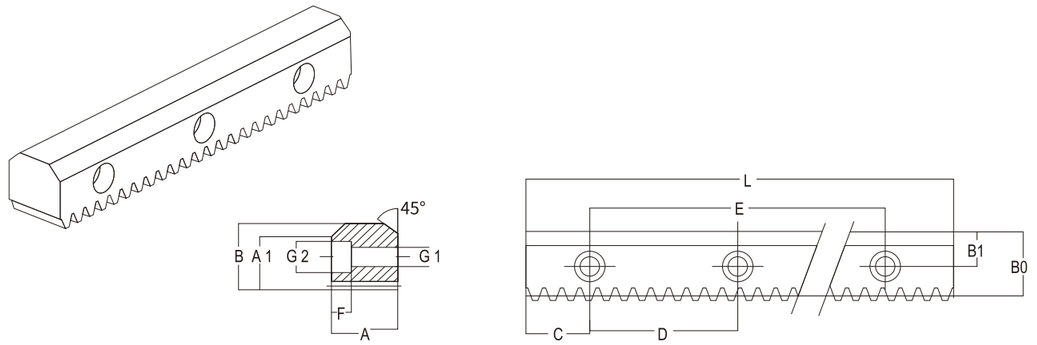
TECHNICAL REQUIREMENT

精度等级：DIN6e25
材　　料：S45C/42CrMo
齿　　型：直齿
硬度处理：高频淬火HRC48-52°/渗碳淬火HRC55-60°
生产工艺：四面研磨，齿面研磨，V型导轨面研磨
V型导轨硬度HRC50-55°/HRC55-60°

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN6e25
Material：S45C/42CrMo
Tooth type：straight tooth.
Production process：four sides grinding， tooth surface grinding，Vrail surface grinding.
Vrail hardness HRC50-52°/HRC55-60°

The content of this document is subject to change without notice. Please contact us before ordering.



总齿距误差/Total pitch error　GTF/1000<0.036mm

单位/Dimension：mm

型号 Code	模数 Module	Pt	L	A	B	B0	C	D	B1	A1	G1	G2	F	E
VX55315063	1.5915	5	630	14.5	24.5	22.9	15	100	13	20	7	11	7	600
VX55315103	1.5915	5	1030	14.5	24.5	22.9	15	100	13	20	7	11	7	1000
VX55320063	1.5915	5	630	19.5	29.5	27.9	15	100	15.5	23.5	9	15	9	600
VX55320103	1.5915	5	1030	19.5	29.5	27.9	15	100	15.5	23.5	9	15	9	1000
VX55325063	2.3873	7.5	630	24.7	33	30.61	15	100	18.5	25.2	9	15	9	600
VX55325093	2.3873	7.5	930	24.7	33	30.61	15	100	18.5	25.2	9	15	9	900
VX55325123	2.3873	7.5	1230	24.7	33	30.61	15	100	18.5	25.2	9	15	9	1200
VX55335063	3.1831	10	630	34.6	46.6	43.41	15	100	28.6	36.7	11	18	11	600
VX55335093	3.1831	10	930	34.6	46.6	43.41	15	100	28.6	36.7	11	18	11	900
VX55335123	3.1831	10	1230	34.6	46.6	43.41	15	100	28.6	36.7	11	18	11	1200

V型研磨导轨斜齿条

V-TYPE GROUND HELICAL GUIDE RACK

技术要求

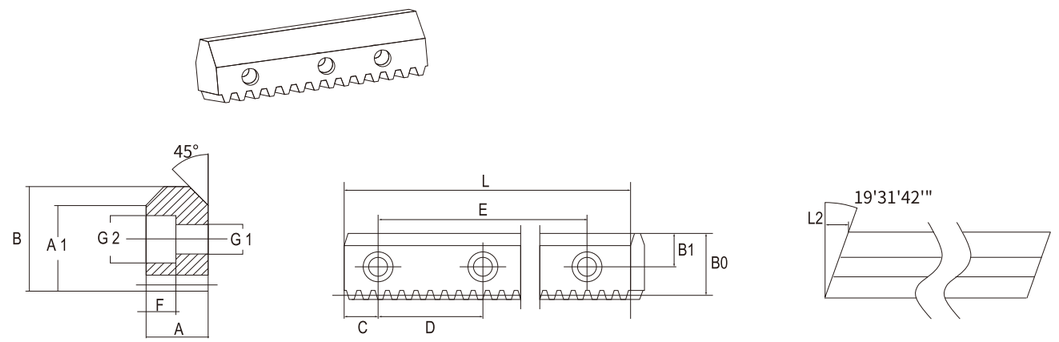
TECHNICAL REQUIREMENT

精度等级：DIN6e25
材　　料：S45C/42CrMo
齿　　型：斜齿
硬度处理：高频淬火HRC48-52°/渗碳淬火HRC55-60°
生产工艺：四面研磨，齿面研磨，V型导轨面研磨
V型导轨硬度HRC48-55°/HRC55-60°

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN6e25
Material：S45C/42CrMo
Tooth type：helicaltooth.
Hardness treatment：high frequency quenching HRC48-52car-burizing quenching HRC55-60°
Production process： four sides grinding, tooth surface grinding,Vrail surface grinding.
Vrail hardness HRC48-52°/HRC55-60°

The content of this document is subject to change without notice. Please contact us before ordering.



总齿距误差/Total pitch error　GTF/1000<0.036mm　　单位/Dimension：mm

型号 Code	模数 Module	Pt	L	L2	A	B	B0	C	D	B1	A1	G1	G2	F	E
VXX66315063	1.5	4.9999	630	5.143	14.5	24.5	22.9	65	100	13	20	7	11	7	500
VXX66315103	1.5	4.9999	1030	5.143	14.5	24.5	22.9	65	100	13	20	7	11	7	900
VXX66320063	1.5	4.9999	630	6.916	19.5	29.5	27.9	65	100	15.5	23.5	9	15	9	500
VXX66320103	1.5	4.9999	1030	6.916	19.5	29.5	27.9	65	100	15.5	23.5	9	15	9	900
VXX66325064	2	6.6666	630	8.76	24.7	33	30.61	70	100	18.5	25.2	9	15	9	500
VXX66325094	2	6.6666	930	8.76	24.7	33	30.61	70	100	18.5	25.2	9	15	9	800
VXX66325124	2	6.6666	1230	8.76	24.7	33	30.61	70	100	18.5	25.2	9	15	9	1100
VXX66335063	3	9.9999	630	12.272	34.6	46.6	43.41	65	100	28.6	36.7	11	18	11	500
VXX66335093	3	9.9999	930	12.272	34.6	46.6	43.41	65	100	28.6	36.7	11	18	11	800
VXX66335123	3	9.9999	1230	12.272	34.6	46.6	43.41	65	100	28.6	36.7	11	18	11	1100

零背隙齿条
ZERO-BACKLASH RACK

技术要求
TECHNICAL REQUIREMENT

材　　料：S45C
硬度处理：高频淬火HRC48-52°
生产工艺：四面平磨，表面镀黑铬

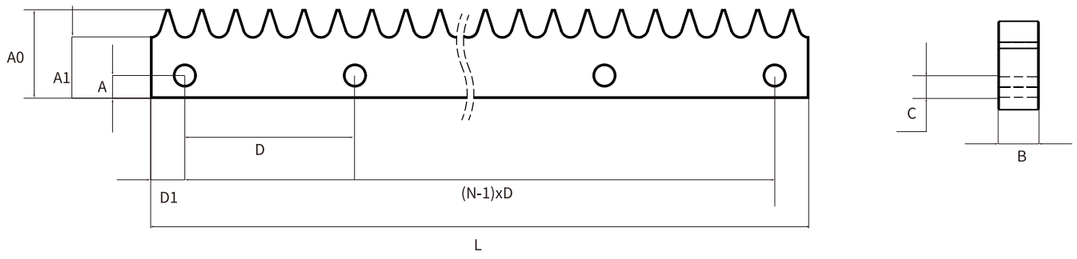
亦供应无钻孔的齿条，请于型号后备注"N",如STLBX1610-N。
不同尺寸于材质又可依照图纸客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Material:S45C
Heat treatment：High-frequency quenching, hardness HRC48-52°
Processing technology：Four-side surface grinding, surface black chromium plating

Non-drilled type available, add suffix "N" (e.g. STLBX1610-N).
Custom size and material upon drawing.

All product models and specifications in this brochure are subject to change without prior notice. Please confirm with our company before ordering.

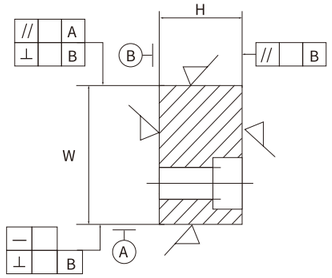


单位/Dimension：mm

型号 Code		节距 Module	L	齿数 Tooth No.	B	A0	A1	D	D1	孔数 Hole No.	A	C
STLBX	1610	16	992	62	12	30.5	20.2	96	16	11	7	7
STLBX	2010	20	1000	50	16	42	29	100	50	10	10	9
STLBX	2510	25	1000	40	19	48	31.5	100	50	10	12	11

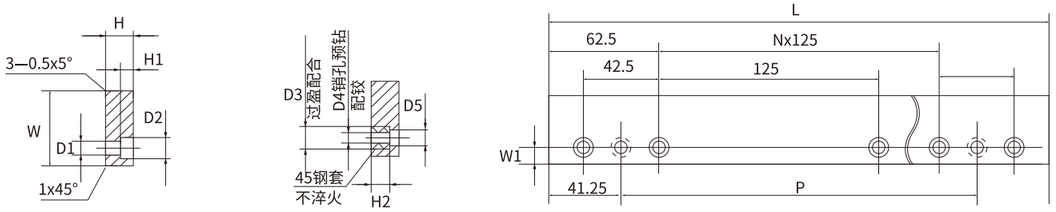
矩形导轨
RECTANGULAR GUIDE RAIL

精度参数
PRECISION PARAMETER



项目		单位	数值
形位公差(在1m长上)	直线度(一)	mm	0.02
	平面度(□)	mm	0.02
	垂直度(⊥)	mm	0.02
	平行度(//)	mm	0.02
形位公差(⌭)		mm	0.8
外形尺寸一致性		mm	0.02

技术参数
TECHNICAL SPECIFICATIONS



技术要求
TECHNICAL REQUIREMENT

材　　料：42CrMo
硬度处理：导轨面高频淬火HRC55-60°
生产工艺：四面研磨

Material：42CrMo
High frequency quenching of guide rail surface HRC55-60°
Production process：four side grinding

型号 Code	L	W	W1	H	H1	H2	N	P	D1	D2	D3	D4	D5	螺栓规格
STJ15-1000	1000	40	10	15	7	10	7	917.5	Φ7.5	Φ11	Φ12H7	Φ5.8	Φ8	M6x168.8级
STJ15-500	500	40	10	15	7	10	3	417.5	Φ7.5	Φ11	Φ12H7	Φ5.8	Φ8	M6x168.8级
STJ20-1000	1000	65	20	20	9	13	7	917.5	Φ9.5	Φ15	Φ12H7	Φ5.8	Φ8	M6x208.8级
STJ20-500	500	65	20	20	9	13	3	417.5	Φ9.5	Φ15	Φ12H7	Φ5.8	Φ8	M6x208.8级
STJ25-1000	1000	40	12	25	9	13	7	917.5	Φ9.5	Φ15	Φ14H7	Φ7.8	Φ10	M8x258.8级
STJ25-500	500	40	12	25	9	13	3	417.5	Φ9.5	Φ15	Φ14H7	Φ7.8	Φ10	M8x258.8级
STJ30-1000	1000	45	15	30	11	13	7	917.5	Φ11.5	Φ18	Φ14H7	Φ7.8	Φ10	M8x308.8级
STJ30-500	500	45	15	30	11	13	3	417.5	Φ11.5	Φ18	Φ14H7	Φ7.8	Φ10	M8x308.8级
STJ35-1000	1000	60	20	35	13	15	7	917.5	Φ13.5	Φ20	Φ16H7	Φ9.7	Φ12	M12x358.8级
STJ35-500	500	60	20	35	13	15	3	417.5	Φ13.5	Φ20	Φ16H7	Φ9.7	Φ12	M12x358.8级
STJ45-1000	1000	90	20	45	13	20	7	917.5	Φ13.5	Φ20	Φ16H7	Φ9.7	Φ12	M12x458.8级
STJ45-500	500	90	20	45	13	20	3	417.5	Φ13.5	Φ20	Φ16H7	Φ9.7	Φ12	M12x458.8级

V型研磨导轨

V GRINDING GUIDE

技术要求

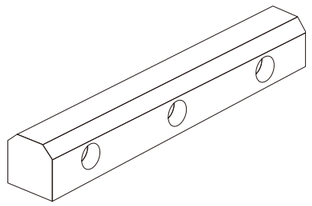
TECHNICAL REQUIREMENT

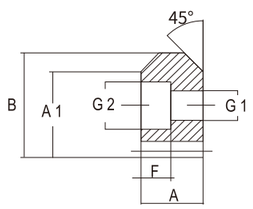
材　　料：S45C/42CrMo
硬度处理：V型导轨面高频淬火HRC48-52°/HRC55-60°
生产工艺：四面研磨，V型导轨面研磨

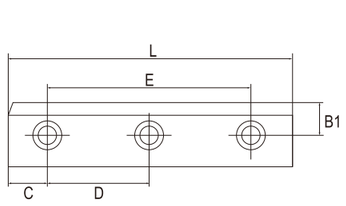
此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Material：S45C/42CrMo
Hardness treatment：Vrail surface hardness HRC48-52°/HRC55-60°
Production process：four side grinding, Vrail surface grinding

The content of this document is subject to change without notice.
Please contact us before ordering.







单位/Dimension：mm

型号 Code	L	A	B	C	D	B1	A1	G1	G2	F	E
VX55315063	630	14.5	24.5	15	100	13	20	7	11	7	600
VX55315103	1030	14.5	24.5	15	100	13	20	7	11	7	1000
VX55320063	630	19.5	29.5	15	100	15.5	23.5	9	15	9	600
VX55320103	1030	19.5	29.5	15	100	15.5	23.5	9	15	9	1000
VX55325063	630	24.7	33	15	100	18.5	25.2	9	15	9	600
VX55325093	930	24.7	33	15	100	18.5	25.2	9	15	9	900
VX55325123	1230	24.7	33	15	100	18.5	25.2	9	15	9	1200
VX55335063	630	34.6	46.6	15	100	28.6	36.7	11	18	11	600
VX55335093	930	34.6	46.6	15	100	28.6	36.7	11	18	11	900
VX55335123	1230	34.6	46.6	15	100	28.6	36.7	11	18	11	1200

研磨斜齿轮

GROUND HELICAL GEAR

技术要求

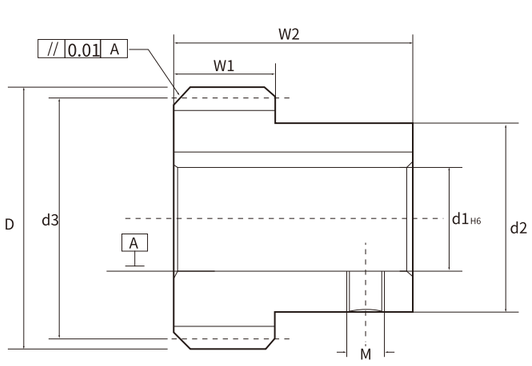
TECHNICAL REQUIREMENT

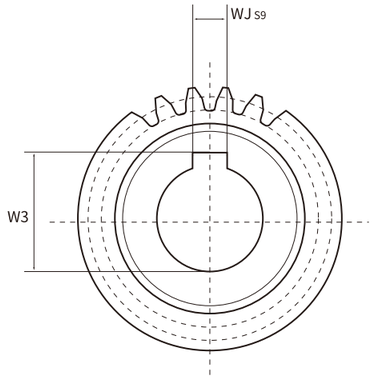
精度等级：DIN6国际5级
材　　料：40Cr/20CrMnTi
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/整体渗碳淬火HRC50-55°
生产工艺：齿面研磨

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN6international 5 level.
Material：40Cr/20CrMnTi
Tooth profile：helical teeth
Left angle：19°31'42"
Hardness treatment：high frequency quenching HRC45-50°
whole carburizing quenching HRC55-60°
Production process：gear grinding

The content of this document is subject to change without notice.
Please contact us before ordering.





单位/Dimension：mm

型号 Code	模数 Module	齿数 Tooth No.	d1H6	d2	d3	D	W1	W2	W3	WJS9	M
YMCL151433	1.5	25	14	Φ26	Φ39.97	Φ42.97	19	33	16.3	5	4
YMCL151635	1.5	24	16	Φ28	Φ38.20	Φ41.20	15	35.5	18.3	5	6
YMCL151935	1.5	24	19	Φ28	Φ38.20	Φ41.20	15	35.5	21.8	6	6
YMCL152250	1.5	30	22	Φ38	Φ47.74	Φ50.74	25	50	24.8	6	6
YMCL152035	1.5	24	20	Φ28	Φ38.20	Φ41.20	15	35.5	22.8	6	6
YMCL152555	1.5	42	25	Φ47	Φ66.84	Φ69.84	25	55	28.3	6	6
YMCL152043	1.5	26	20	Φ32	Φ41.38	Φ44.38	22	43	22.8	6	6
YMCL152045	1.5	30	20	Φ38	Φ47.74	Φ50.74	25	45	22.8	6	6
YMCL152055	1.5	30	20	Φ38	Φ47.74	Φ50.74	25	55	22.8	6	6
YMCL152065	1.5	30	20	Φ38	Φ47.74	Φ50.74	25	65	22.8	6	6
YMCL152265	1.5	30	22	Φ38	Φ47.74	Φ50.74	25	65	24.8	6	6
YMCL152555	1.5	30	25	Φ38	Φ47.74	Φ50.74	25	55	27.8	6	6

研磨斜齿轮
GROUND HELICAL GEAR

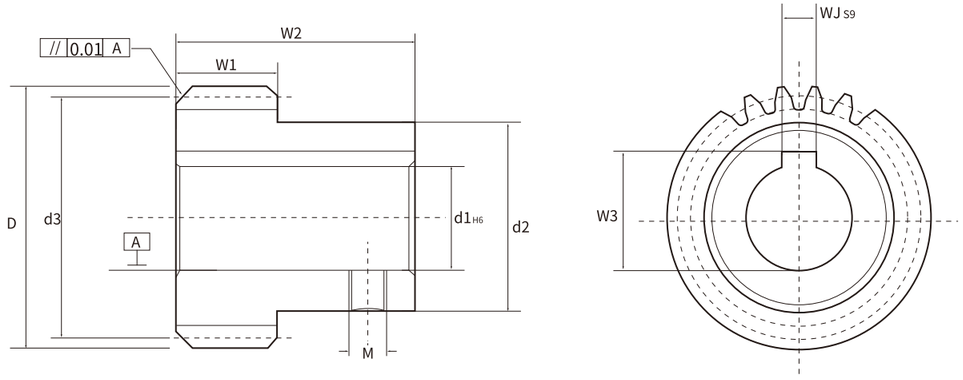
技术要求
TECHNICAL REQUIREMENT

精度等级：DIN6国际5级
材　　料：40Cr/20CrMnTi
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/整体渗碳淬火HRC50-55°
生产工艺：齿面研磨

此样本中的所有产品型号及参数如有变更恕不另行通告，
订货前请与本公司联系确认。

Accuracy level：DIN6international 5 level.
Material：40Cr/20CrMnTi
Tooth profile：helical teeth
Left angle：19°31'42"
Hardness treatment：high frequency quenching HRC45-50°
whole carburizing quenching HRC55-60°
Production process：gear grinding

The content of this document is subject to change without notice.
Please contact us before ordering.



单位/Dimension：mm

型号 Code	模数 Module	齿数 Tooth No.	d1H6	d2	d3	D	W1	W2	W3	WJS9	M
YMCL201438	2	21	14	Φ30	Φ44.56	Φ48.56	20	38	16.3	5	6
YMCL201936	2	25	19	Φ35	Φ53.05	Φ57.05	21	36	21.8	6	6
YMCL202034	2	21	20	Φ36	Φ44.56	Φ48.56	20	34	22.8	6	5
YMCL202058	2	25	20	Φ45	Φ53.29	Φ57.29	25	58	22.8	6	6
YMCL202054	2	27	20	Φ40	Φ57.29	Φ61.29	25	54	22.8	6	6
YMCL202242	2	20	22	Φ35	Φ42.44	Φ46.44	24	42	24.8	6	6
YMCL202250	2	25	22	Φ40	Φ53.29	Φ57.29	25	50	24.8	6	6
YMCL202243	2	30	22	Φ50	Φ63.66	Φ67.66	28	43	24.8	6	6
YMCL202250	2	30	22	Φ50	Φ63.66	Φ67.66	28	50	24.8	6	6
YMCL202555	2	30	25	Φ45	Φ63.66	Φ67.66	25	55	27.8	8	6
YMCL203255	2	32	32	Φ50	Φ67.9	Φ71.9	24	55	35.3	10	8
YMCL203258	2	36	32	Φ50	Φ76.39	Φ80.39	24	58	35.3	10	8

研磨斜齿轮
GROUND HELICAL GEAR

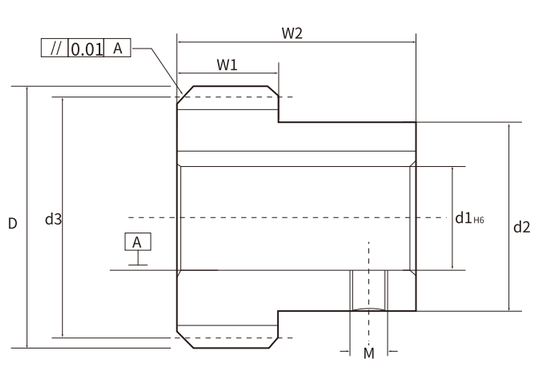
技术要求
TECHNICAL REQUIREMENT

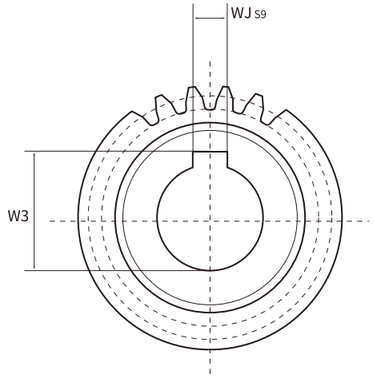
精度等级：DIN6国际5级
材　　料：40Cr/20CrMnTi
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/整体渗碳淬火HRC50-55°
生产工艺：齿面研磨

此样本中的所有产品型号及参数如有变更恕不另行通告，
订货前请与本公司联系确认。

Accuracy level：DIN6international 5 level.
Material：40Cr/20CrMnTi
Tooth profile：helical teeth
Left angle：19°31'42"
Hardness treatment：high frequency quenching HRC45-50°
whole carburizing quenching HRC55-60°
Production process：gear grinding

The content of this document is subject to change without notice.
Please contact us before ordering.





单位/Dimension：mm

型号 Code	模数 Module	齿数 Tooth No.	d1H6	d2	d3	D	W1	W2	W3	WJS9	M
YMCL302555	3	20	25	Φ50	Φ63.66	Φ69.66	30	55	28.3	8	8
YMCL302580	3	20	25	Φ50	Φ63.66	Φ69.66	30	80	28.3	8	8
YMCL303260	3	20	32	Φ55	Φ63.66	Φ69.66	28	60	35.3	10	8
YMCL303255	3	25	32	Φ66	Φ79.57	Φ85.57	30	55	35.3	10	8
YMCL303565	3	25	35	Φ55	Φ79.57	Φ85.57	28	65	38.8	10	8
YMCL304080	3	25	40	Φ70	Φ79.58	Φ85.58	39	80	43.3	12	12
YMCL303282	3	25	32	Φ66	Φ79.57	Φ85.57	30	82	35.3	10	8
YMCL304084	3	30	40	Φ68	Φ95.49	Φ101.5	29	82	43.3	12	8
YMCL404550	4	22	45	Φ65	Φ93.37	Φ101.4	40	50	38.3	10	8
YMCL403575	4	24	35	Φ55	Φ101.86	Φ109.9	40	75	38.3	10	8
YMCL404075	4	24	40	Φ62	Φ101.86	Φ109.9	40	75	43.3	12	10
YMCL404080	4	25	40	Φ80	Φ106.103	Φ114.103	42	80	43.3	12	10

技术要求
TECHNICAL REQUIREMENT

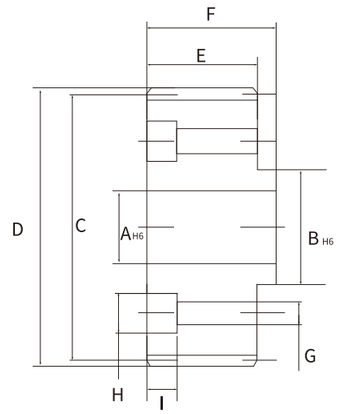
精度等级：DIN6国际5级
材　　料：20CrMnTi
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：整体渗碳HRC55-60°
生产工艺：齿面研磨

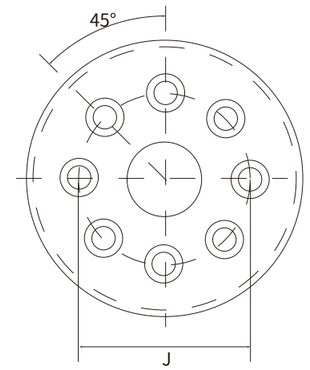
此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN6international 5 level.
Material：20CrMnTi
Tooth profile：helical teeth
Left angle：19°31'42"
Hardness treatment：overall carburizing HRC55-60°
Production process：gear grinding

The content of this document is subject to change without notice.
Please contact us before ordering.

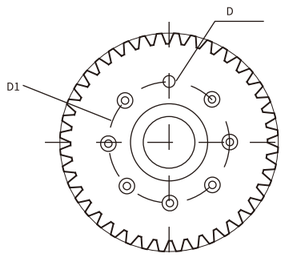
法兰研磨斜齿轮
FLANGE GROUND HELICAL GEAR

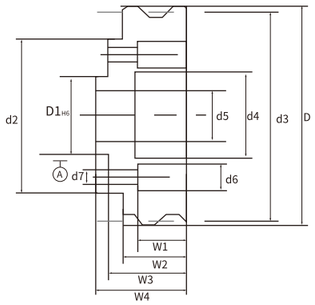




单位/Dimension：mm

型号 Code	模数 Module	齿数 Tooth No.	AH6	BH6	C	D	E	F	G	H	I	J
YMCLK26	2	26	15	20	55.174	60.800	26	29.0	5.5	10	12	31.5
YMCLK27	2	27	15	20	57.296	61.296	30	33.5	5.5	10	11	31.5
YMCLK29	2	29	15	20	61.540	67.200	26	29.0	5.5	10	12	31.5
YMCLK35	2	35	15	20	74.272	79.800	26	29.0	5.5	10	12	31.5
YMCLK29-20	2	29	20	25	61.540	67.200	26	30.0	6.6	11	14	40
YMCLK33	2	33	20	31.5	70.028	75.599	26	30.0	6.6	11	14	50
YMCLK35	2	35	20	31.5	74.300	79.500	26	30	6.6	11	14	50
YMCLK36	2	36	20	31.5	76.394	80.394	30	34.0	6.6	11	8	50
YMCLK37	2	37	20	31.5	78.517	84.200	26	30.0	6.6	11	14	50



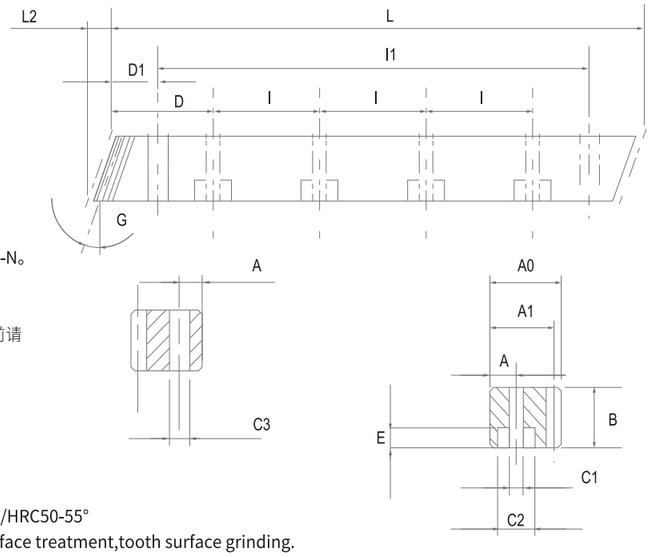


单位/Dimension：mm

型号 Code	模数 Module	齿数 Tooth No.	d1H6	d2	d3	d4	d5	d6	d7	W1	W2	W3	W4	DH6	D1
YMCL37	2	37	31.500	63	78.52	35	20	1.1	6.6	14	24	34	40	6	50
YMCL40	2	40	31.500	63	84.88	35	21	1.1	6.4	14	26	31	37	6	50

LEITESEN

技术要求
TECHNICAL REQUIREMENT



精度等级：DIN5
材　　料：S45C/42CrMo
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/渗碳淬火HRC50-55°
生产工艺：硬齿面处理后四面平磨，齿面研磨

亦供应无钻孔的齿条，请与型号后备注"N"，如AMX325020100-N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN5
Material：S45C/42CrMo
Tooth profile：helical teeth
Right angle：19°31'42"
Hardness treatment：high frequency quenching HRC48-52°/HRC50-55°
Production process：four side grinding after hard tooth surface treatment,tooth surface grinding.

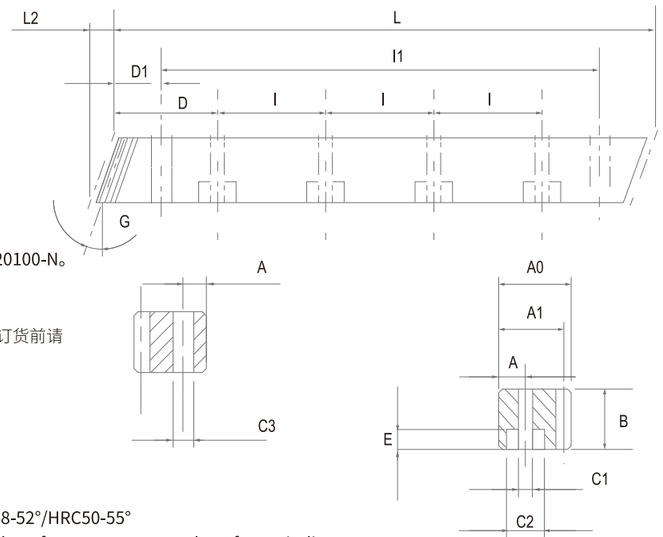
Racks withoutholes are also available.Note"N"in the end of code number.1e. AMX325020100-N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面距Pe=模数xπ/COS(19°31'42")　Fp=总距误差　　单位/Dimension：mm

型号 Code			模数 Module	Pt	L	L2	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
AMX325	015	050	1.5	4.9999	500.00	6.74	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.021
AMX325	015	100	1.5	4.9999	1000.00	6.74	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.024
AMX325	020	050	2	6.6666	500.00	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.021
AMX325	020	100	2	6.6666	1000.00	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.024
AMX325	030	050	3	9.9999	500.00	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.023
AMX325	030	100	3	9.9999	1000.00	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.026
AMX325	040	050	4	13.3333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.025
AMX325	040	100	4	13.3333	1000.00	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.028
AMX325	050	050	5	16.6666	500.00	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.028
AMX325	050	100	5	16.6666	1000.00	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.030
AMX325	060	050	6	19.9999	500.00	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.028
AMX325	060	100	6	19.9999	1000.00	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.035
AMX325	080	050	8	26.6667	480.00	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120	240.0	19.7	0.030
AMX325	080	100	8	26.6667	960.00	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120	720.0	19.7	0.038

技术要求
TECHNICAL REQUIREMENT



精度等级：DIN6
材　　料：S45C/42CrMo
齿　　型：斜齿
右 旋 角：19°31'42"
硬度处理：高频淬火HRC48-52°/渗碳淬火HRC50-55°
生产工艺：硬齿面处理后四面平磨，齿面研磨

亦供应无钻孔的齿条，请与型号后备注"N"，如AMX326020100-N。
不同尺寸与材质以可依照图面客制化。

此样本中的所有产品型号及参数如有变更恕不另行通告，订货前请与本公司联系确认。

Accuracy level：DIN6
Material：S45C/42CrMo
Tooth profile：helical teeth
Right angle：19°31'42"
Hardness treatment：high frequency quenching HRC48-52°/HRC50-55°
Production process：four side grinding after hard tooth surface treatment,tooth surface grinding.

Racks withoutholes are also available.Note"N"in the end of code number.1e. AMX326020100-N.
Other Dimensions/ Materials could be customized by drawings.

The content of this document is subject to change without notice.
Please contact us before ordering.

端面距Pe=模数xπ/COS(19°31'42")　Fp=总距误差　　单位/Dimension：mm

型号 Code			模数 Module	Pt	L	L2	齿数 Tooth No.	B	A0	A1	D	I	孔数 Hole No.	A	C1	C2	E	D1	I1	C3	Fp
AMX326	015	050	1.5	4.9999	500.00	6.74	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.029
AMX326	015	100	1.5	4.9999	1000.00	6.74	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.033
AMX326	020	050	2	6.6666	500.00	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.029
AMX326	020	100	2	6.6666	1000.00	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.034
AMX326	030	050	3	9.9999	500.00	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.032
AMX326	030	100	3	9.9999	1000.00	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.037
AMX326	040	050	4	13.3333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.034
AMX326	040	100	4	13.3333	1000.00	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.04
AMX326	050	050	5	16.6666	500.00	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.034
AMX326	050	100	5	16.6666	1000.00	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.04
AMX326	060	050	6	19.9999	500.00	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.034
AMX326	060	100	6	19.9999	1000.00	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.04
AMX326	080	050	8	26.6667	480.00	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120	240.0	19.7	0.037
AMX326	080	100	8	26.6667	960.00	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120	720.0	19.7	0.043