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匠工精神 精密细作

SOTER 索特

SPRIT OF THE CRAFTSMAN  
INTENSIVE CULTIVATION

传动品牌领导者

尽我们一切所能，让世界更美好！



浙江索特传动科技有限公司

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## 质量管理体系认证证书

本证书证明

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## ENTERPRISE CATALOG

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精工智造 SEIKO





## ABOUT SOTER 企业简介

浙江索特传动科技有限公司（原温岭市光磊齿条厂）创立于2003年，坐落于风景秀丽、交通便利的浙江东部沿海城市——温岭市。物流可直接到达全国各地。上海、宁波港出口。

本公司专业生产机械传动部件，拥有先进的设备和技术，从事齿条生产已有10多年的历史之久，在这10多年的齿条加工制造中不断开发新的工艺，引进新的技术，在机械传动部件制造行业中，迎来新的里程碑，光磊齿条在精度与使用寿命上有着明显的优势，与其它进口齿条相比，不仅可以提供国际一流产品的品质，更在价格与交期上具有绝对的优势，经过多年的经营，优良的制造理念，强大的技术团队，我们的产品在国内外同行业中脱颖而出，成为国内市场最具有竞争力的优秀企业。

浙江索特传动科技有限公司生产的产品主要应用在工业机器人桁架机械手、光纤激光切割机、玻璃切割机、火焰切割机、木工雕刻机、石材桥切机、印刷机械、自动化机械装备及其它传动行业等。

本公司拥有100多台专业生产齿条的设备和检测设备，齿条一次性加工的长度为3000MM，模数范围为M1-M30，英制CP、美制DP等，为了更好的适应市场的变化。针对对于高精度齿条需求的高端客户，本公司特引进德国进口齿条铣齿机和齿条研磨机，该设备生产的齿条精度能达到（JIS2级）DIN6n25，满足高端市场的各种需求，凭着优良的产品，实惠的价格，良好的服务态度，我们的产品远销西班牙、荷兰、美国、韩国、土耳其、俄罗斯等不同国家。

在此同时，我们也竭诚希望帮助客户开发新产品，解决技术和质量上的难题，愿以优质的产品，公平的价格，完善的服务，满足广大用户的需求。

我们秉承质量至上，交货及时，信用第一的原则，真诚对待每一个商业伙伴，竭诚欢迎商界朋友与我们合作，共同发展，共创辉煌。

Zhejiang sauter transmission technology co., LTD. (Wenling guanglei Rack Factory) was founded in 2003, which is located in the beautiful scenery, convenient transportation of the eastern coastal city--wenling city in zhejiang province. We export from Shanghai port and ningbo port.

Our company specializing in the production of mechanical transmission parts for more than 10 years, has advanced equipment and technology. In these years, we constantly develop new crafts and introduce new technology, usher in a new milestone in the mechanical transmission parts manufacturing industry. Our rack has obvious advantage in precision and life, compared with the other imported rack, not only can provide the international first-class product quality, but also have absolute advantage in price and the delivery date. We become the most competitive enterprises in the domestic market by the many years of experience, excellent manufacturing concept, strong technical team and high quality products.

Our products are mainly used in industrial robot Truss manipulator, Optical fiber laser cutting machine, glass cutting machine, flame cutting machine, wood engraving machine, stone bridge cutting machine, printing machinery, automation machinery equipment and other transmission industries.

Our company has more than 100 professional production equipments and testing equipments. Maximum length of rack is 3000MM for one time processing, modulo range is M1-M30, British system CP, American system DP etc. Our company introduced milling machine and grinding machine from Germany. In view of the high-end customers with a high precision rack demand, the equipment can reach (JIS2 level) DIN6n25. our products are exported to Spain, Netherlands United States, South Korea, Turkey, Russia and other different countries by excellent products, best price, good service.

At the same time, we also sincerely hope that we can help customers develop new products and solve problems in technology and quality. we also are willing to meet the needs of customers with the quality products, fair prices and perfect services.

We are obedience to the supremacy quality, timely delivery, Honesty is the best policy. sincerely treat every business partner, we sincerely welcome business friends to cooperate with us for Common development, create brilliant.



## SPIRIT OF THE CRAFTSMAN INTENSIVE CULTIVATION

传动品牌领导者

## VISION 企业愿景

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!

## SPIRIT 索特精神

开拓，永不停歇！品质至上，追求卓越！

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

## CORPORATE CULTURE 企业文化

创新科研、精密智造、诚心服务、确保客户放心！

Innovative research, precision manufacturing, sincere service, to ensure customer confidence!

## CONCEPT OF QUALITY 索特质量观

工匠精神，精雕细琢，精益求精，顾客满意度≥98%

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





## 精工智造 SEIKO

精密设备，高端研发团队，品质保障！

Precision equipment, high-end R & D team, quality assurance!

无可挑剔的智造设备，  
精确到丝米的测量单位，  
中外研发团队无缝衔接。  
索特是**精工品质**与品牌  
魅力完美结合的典范！

Impeccable intellectual equipment.

Accurate to the measuring unit of silk meter.

Chinese and foreign R & D teams seamlessly link up.

Soter is Seiko quality and brand.

The perfect combination of charm!



## INSTRUCTION OF RACK ASSEMBLY STEPS / 齿条装配说明

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。下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。

关于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.而在齿条安装相接时，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。

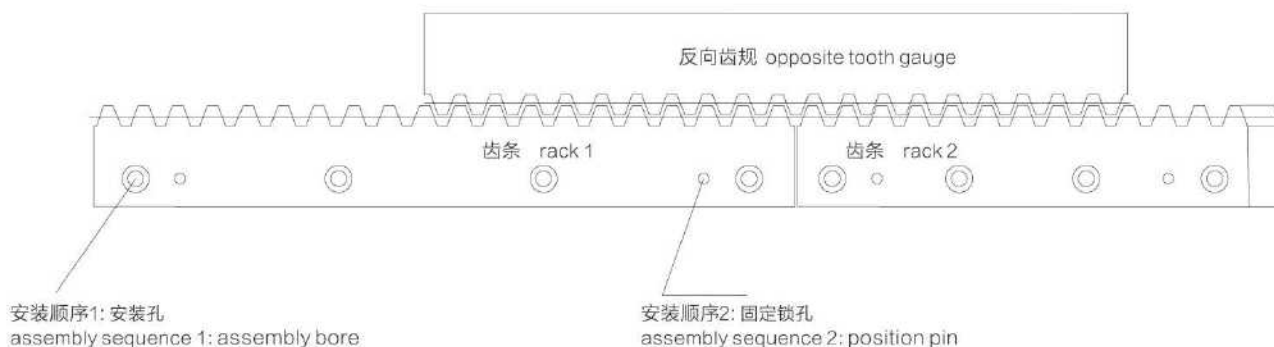
2.最后再将齿条上的两端侧面的固定销孔给固定上即完成安装。

To assemble connected racks more smoothly, 2 ends of a standard rack would add half tooth which is convenient for next half tooth of next rack to be connected to a complete tooth. the following drawing show how 2 racks connect and tooth gauge can control pitch position accurately.

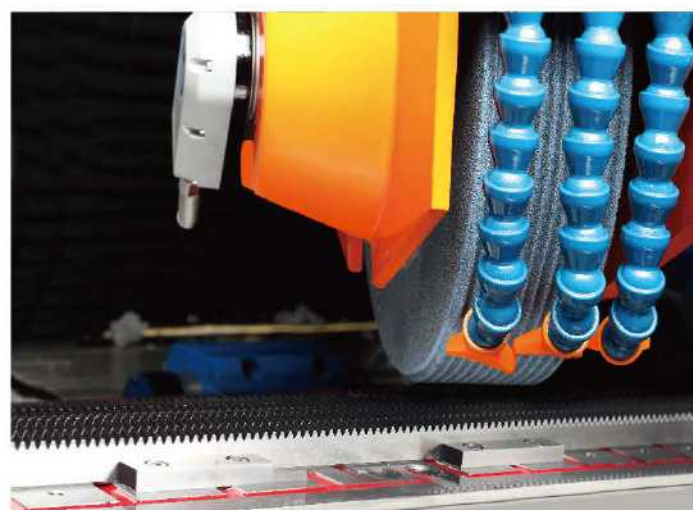
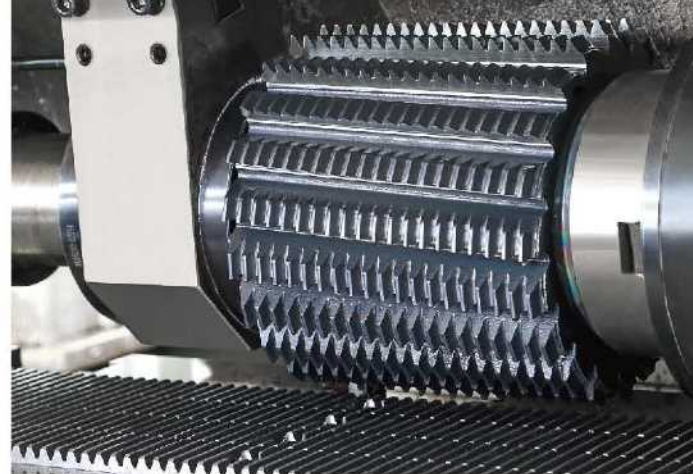
With regard to connection of helical racks, it can be connected accurately by opposite tooth gauge.

1. When connecting racks, we recommend lock bores on the sides of rack first, and lock bores by the sequence of the foundation. With assembling the tooth gauge, pitch position of racks can be assembled accurately and completely.

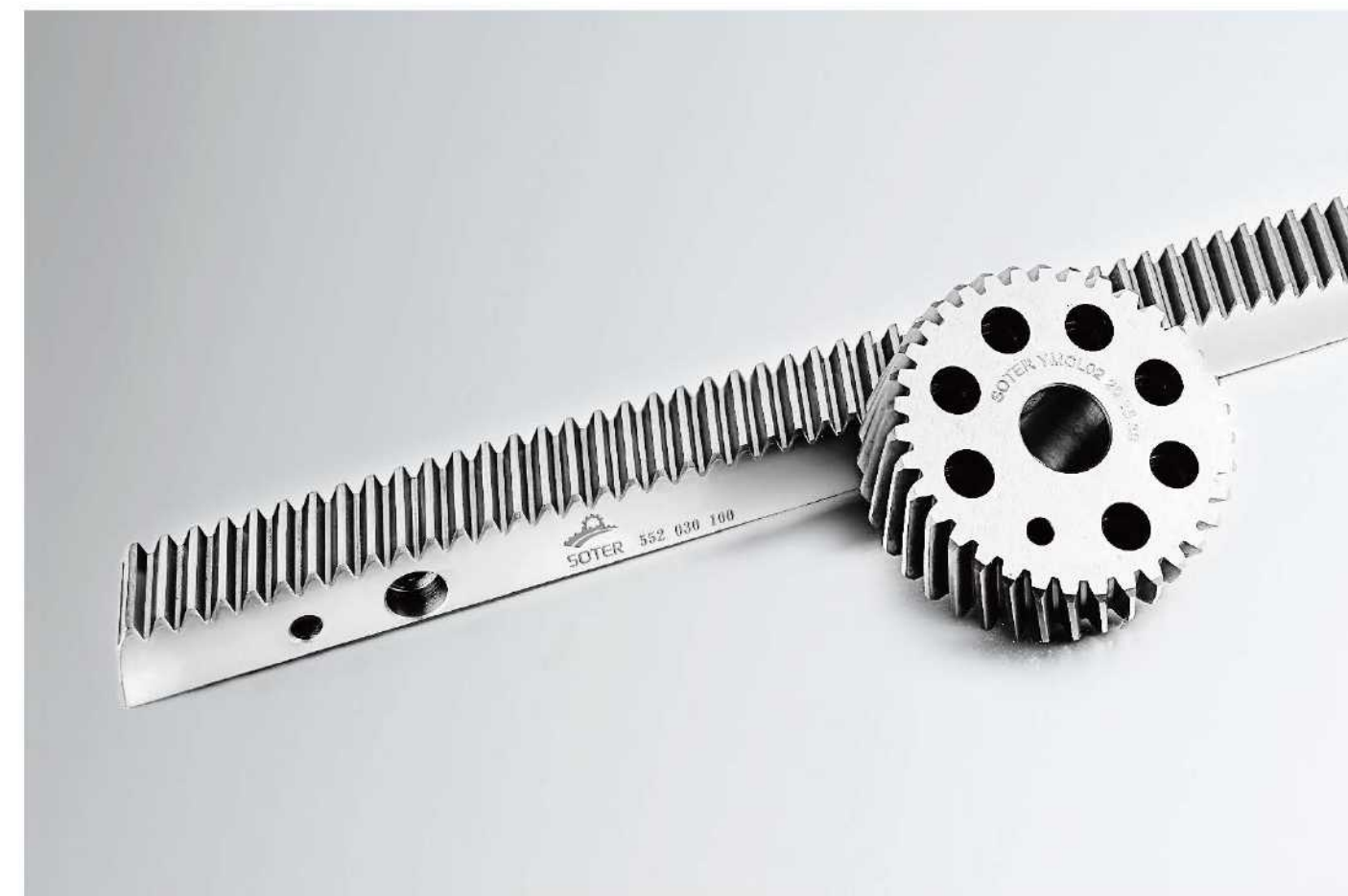
2. Last, lock the position pins on 2 sides of rack; the assembly is completed.







PROVIDING  
**HIGH QUALITY**  
PRODUCTS FOR  
GLOBAL CUSTOMERS



## 为全球客户提供 高品质产品

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, leading international technical standards, fine process manufacturing to ensure that products have the world's leading level.



规格参数  
规格: 24\*24\*1000  
模数: m2  
齿数: Z=150  
压力角:  $\alpha=20^\circ$   
齿顶高系数:  $ha=1$   
齿型: 斜齿  
右旋角:  $19^\circ 31' 42''$   
精度等级: DIN6 国标5级  
硬度处理: 齿面高频淬火HRC50-55°  
生产工艺: 四面研磨, 齿面研磨

Specification parameter  
Specifications: 24\*24\*1000  
Modulus: M2  
Tooth number: Z=150  
Pressure angle:  $\alpha=20^\circ$   
Addendum coefficient:  $ha=1$   
Tooth profile: helical teeth  
Right angle:  $19^\circ 31' 42''$   
Accuracy grade: DIN6 GB 5  
Hardness treatment: tooth surface high frequency quenching HRC50-55°  
Production process: four side grinding, tooth surface grinding





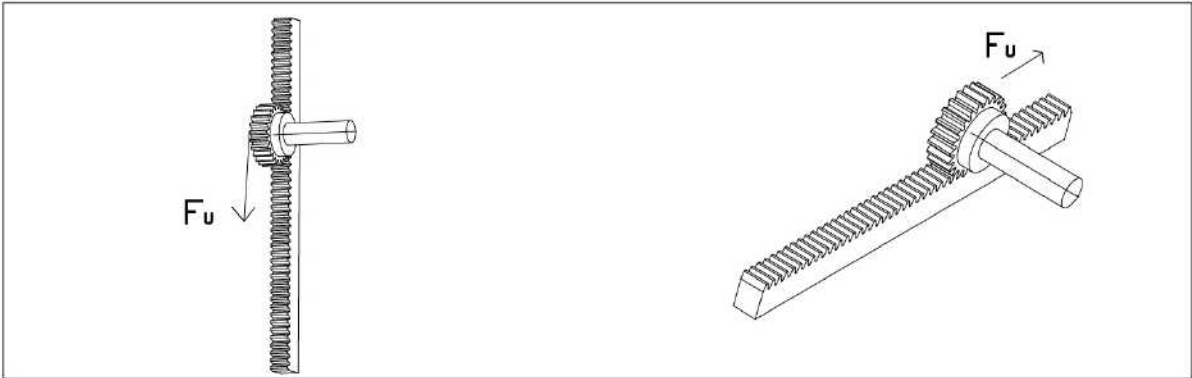
规格参数  
规格：29\*29\*1000  
模数：m3  
齿数：Z=100  
压力角： $\alpha=20^\circ$   
齿顶高系数： $ha=1$   
齿型：斜齿  
右旋角： $19^\circ31'42''$   
精度等级：DIN6 国标5级  
硬度处理：齿面高频淬火HRC50-55°  
生产工艺：四面研磨，齿面研磨

Specification parameter  
Specifications: 29\*29\*1000  
Modulus: M3  
Tooth number: Z=100  
Pressure angle:  $\alpha=20^\circ$   
Addendum coefficient:  $ha=1$   
Tooth profile: helical teeth  
Right angle:  $19^\circ31'42''$   
Accuracy grade: DIN6 GB 5  
Hardness treatment: tooth surface high frequency quenching HRC50-55°  
Production process: four side grinding, tooth surface grinding



齿条  
Racks

齿条传动形式 selection rack and pinion drive



上升/下降 | lift/lower

$F_u = m \cdot g + m \cdot a$

概括 | general

名称 | description

加速度 | acceleration

速度 | speed

距离 | distance

时间 | time

转速 | revolutions per minute, rpm

分度圆直径 | pitch diameter

扭矩 | torque

功率 | power

水平 | drive

$F_u = m \cdot g \cdot \mu + m \cdot a$

代号/公式  
symbol / formula

单位  
dimension

$a = \frac{v}{t} = \frac{2 \cdot s}{t^2}$

m/s<sup>2</sup>

$a = \frac{s}{t} = \sqrt{2 \cdot a \cdot s}$

m/s

s

m

t

s

$n = \frac{v \cdot 60.000}{\pi \cdot d_0}$

1/min

$d_0$

mm

$M = \frac{F_u \cdot d_0}{2000}$

Nm

$P = \frac{M \cdot n}{9550} = \frac{F_u \cdot n \cdot d_0}{19100}$

KW

第09页至第10页是关于各种齿轮、齿条配合时所能承受的最大允许功率表

设计参数  
使用系数 1,0  
齿间连接安全系数 1,0  
防齿裂安全系数 1,4  
使用寿命 20.000h

所测得的试验齿条的弯曲疲劳极限 $\sigma_{Flim}$ 和试验齿条的接触疲劳极限 $\sigma_{Hlim}$ 值如下

On pages 2 and 4 are listed some selection tables for rack/pinion drives for the maximum permissible power.

The dimensioning happened with application factor: 1,0  
safety for stress at;single tooth contact 1,0  
safety for Tooth root stress: 1,4  
service life in hours: 20.000h

We calculate with following values for rolling load  $\sigma_{Frim}$  and bending load  $\sigma_{Hrim}$

| 材料                                         | $\sigma_{Frim}$ [N/mm <sup>2</sup> ] | $\sigma_{Hrim}$ [N/mm <sup>2</sup> ] |
|--------------------------------------------|--------------------------------------|--------------------------------------|
| C45                                        | 440                                  | 550                                  |
| C45<br>高频淬火<br>induction hardened          | 750                                  | 1250                                 |
| 16MnCr5<br>渗碳淬火<br>Carburized and hardened | 920                                  | 1500                                 |
| 42CrMo4V                                   | 600                                  | 730                                  |

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Nm

maximum permissible torques in Nm with adequate lubrication with  
safety and application factor 1,0;and a speed of 1.5 m/s

| 模数   module                                                                |                                                                | 1<br>b=10 mm |     |      |      | 1,5<br>b=15 mm |      |      |      | 2<br>b=20 mm |      |       |       |       |
|----------------------------------------------------------------------------|----------------------------------------------------------------|--------------|-----|------|------|----------------|------|------|------|--------------|------|-------|-------|-------|
| 齿数   number of teeth                                                       |                                                                | 15           | 20  | 25   | 40   | 15             | 20   | 25   | 40   | 15           | 20   | 25    | 30    | 40    |
| 齿条   rack<br>材料和齿形<br>material & tooth system                              | 圆柱齿轮   pinion                                                  |              |     |      |      |                |      |      |      |              |      |       |       |       |
|                                                                            |                                                                |              |     |      |      |                |      |      |      |              |      |       |       |       |
| C45材料 C45 soft<br>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<br>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<br>C45 ind.-hardened<br>直齿 straight                               | C45高频淬火<br>C45 ind.-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<br>C45 ind.-hardened<br>齿面经磨削 直齿<br>ground teeth:straight         | C45高频淬火<br>C45 ind.-hardened                                   |              |     |      |      |                |      |      |      |              |      |       |       |       |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical          | C45高频淬火<br>C45 ind.-hardened                                   |              |     |      |      |                |      |      |      |              |      |       |       |       |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 直齿<br>ground teeth:straight | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |     |      |      |                |      |      |      |              |      |       |       |       |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical  | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |     |      |      |                |      |      |      |              |      |       |       |       |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>直齿   straight            | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |     |      |      |                |      |      |      |              |      |       |       |       |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>斜齿   helical             | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |     |      |      |                |      |      |      |              |      |       |       |       |

| 模数   module                                                                |                                                                | 2,5<br>b=25 mm |       |       |       | 3<br>b=30 mm |       |       |       |       |
|----------------------------------------------------------------------------|----------------------------------------------------------------|----------------|-------|-------|-------|--------------|-------|-------|-------|-------|
| 齿数   number of teeth                                                       |                                                                | 15             | 20    | 25    | 40    | 15           | 20    | 25    | 30    | 40    |
| 齿条   rack<br>材料和齿形<br>material & tooth system                              | 圆柱齿轮   pinion                                                  |                |       |       |       |              |       |       |       |       |
|                                                                            |                                                                |                |       |       |       |              |       |       |       |       |
| C45材料 C45 soft<br>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<br>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<br>C45 ind.-hardened<br>直齿 straight                               | C45高频淬火<br>C45 ind.-hardened                                   | 60             | 149,9 | 255,8 | 399,7 | 87,1         | 215,1 | 440,0 | 497,3 | 780   |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 直齿<br>ground teeth:straight         | C45高频淬火<br>C45 ind.-hardened                                   |                |       |       |       |              |       |       |       |       |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical          | C45高频淬火<br>C45 ind.-hardened                                   |                |       |       |       |              |       |       |       |       |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 直齿<br>ground teeth:straight | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |                |       |       |       |              |       |       |       |       |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical  | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |                |       |       |       |              |       |       |       |       |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>直齿   straight            | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |                |       |       |       |              |       |       |       |       |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>斜齿   helical             | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |                |       |       |       |              |       |       |       |       |

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Nm

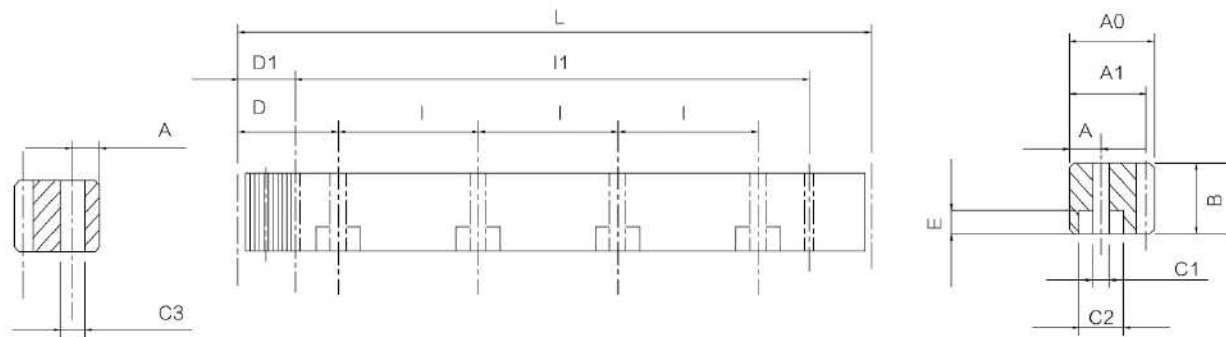
maximum permissible torques in Nm with adequate lubrication with  
safety-and application factor 1,0;and a speed of 1.5 m/s

| 模数   module                                                                |                                                                | 4<br>b=40 mm |       |        |        |        | 5<br>b=50 mm |        |        |        | 6<br>b=60 mm |        |        |
|----------------------------------------------------------------------------|----------------------------------------------------------------|--------------|-------|--------|--------|--------|--------------|--------|--------|--------|--------------|--------|--------|
| 齿数   number of teeth                                                       |                                                                | 15           | 20    | 25     | 30     | 40     | 15           | 20     | 25     | 40     | 15           | 20     | 25     |
| 齿条   rack<br>材料和齿形<br>material & tooth system                              | 圆柱齿轮   pinion                                                  |              |       |        |        |        |              |        |        |        |              |        |        |
|                                                                            |                                                                |              |       |        |        |        |              |        |        |        |              |        |        |
| C45材料 C45 soft<br>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<br>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<br>C45 ind.-hardened<br>直齿 straight                               | C45高频淬火<br>C45 ind.-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<br>C45 ind.-hardened<br>齿面经磨削 直齿<br>ground teeth:straight         | C45高频淬火<br>C45 ind.-hardened                                   |              |       |        |        |        |              |        |        |        |              |        |        |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical          | C45高频淬火<br>C45 ind.-hardened                                   |              |       |        |        |        |              |        |        |        |              |        |        |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 直齿<br>ground teeth:straight | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |       |        |        |        |              |        |        |        |              |        |        |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical  | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |       |        |        |        |              |        |        |        |              |        |        |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>直齿   straight            | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |       |        |        |        |              |        |        |        |              |        |        |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>斜齿   helical             | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |       |        |        |        |              |        |        |        |              |        |        |

| 模数   module                                                                |                                                                | 8<br>b=80 mm |    |    | 10<br>b=100 mm |  |        |        |        |         |
|----------------------------------------------------------------------------|----------------------------------------------------------------|--------------|----|----|----------------|--|--------|--------|--------|---------|
| 齿数   number of teeth                                                       |                                                                | 15           | 20 | 25 | 20             |  |        |        |        |         |
| 齿条   rack<br>材料和齿形<br>material & tooth system                              | 圆柱齿轮   pinion                                                  |              |    |    |                |  |        |        |        |         |
| C45材料 C45 soft<br>直齿 straight                                              | C45材料 C45 soft                                                 |              |    |    |                |  | 420,1  | 1050,5 | 2101,0 |         |
|                                                                            | C45高频淬火<br>C45 ind.-hardened                                   |              |    |    |                |  | 1149,5 | 2101,0 | 3398,0 | 4000    |
| C45 高频淬火<br>C45 ind.-hardened<br>直齿 straight                               | C45高频淬火<br>C45 ind.-hardened                                   |              |    |    |                |  | 1898,0 | 4502,0 | 7500,0 | 9900,0  |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 直齿<br>ground teeth;straight         | C45高频淬火<br>C45 ind.-hardened                                   |              |    |    |                |  | 6870,0 |        |        | 12850,0 |
| C45 高频淬火<br>C45 ind.-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical          | C45高频淬火<br>C45 ind.-hardened                                   |              |    |    |                |  |        |        |        | 14000,0 |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 直齿<br>ground teeth;straight | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |    |    |                |  |        |        |        |         |
| 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削 斜齿<br>ground teeth;helical  | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |    |    |                |  |        |        |        |         |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>直齿   straight            | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |    |    |                |  |        |        |        |         |
| 42CrMo4V 调质<br>42CrMo4V quenched<br>& tempered<br>斜齿   helical             | 16MnCr5 渗碳淬火<br>16MnCr5 case-hardened<br>齿面经磨削<br>ground teeth |              |    |    |                |  |        |        |        |         |







| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | 齿数<br>Tooth<br>No. | B   | A0  | A1   | D     | I      | 孔数<br>Hole<br>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 |
| 551 015 150 | 1.5          | 4.7123         | 499.5   | 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    | 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    | 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    | 19.7 | 0.043 |
| 551 100 050 | 10           | 31.4159        | 1005.31 | 32                 | 99  | 99  | 89   | 62.83 | 125.66 | 8                 | 32 | 33   | 48  | 32 | 125.67 | 753.96 | 19.7 | 0.043 |
| 551 120 100 | 12           | 37.6991        | 1017.88 | 27                 | 120 | 120 | 108  | 63.6  | 127.23 | 8                 | 40 | 39.0 | 58  | 38 | 127.23 | 763.4  | 19.7 | 0.046 |

端面齿距Pe=模数×π Fp=总齿距误差

技术要求

精度等级:DIN6 国标5级

材 料:S45C/20CrMnTi

齿 型:直齿

硬度处理:高频淬火 HRC50-55°

生产工艺:硬齿面处理后四面平磨, 齿面研磨

Technical requirement

Accuracy level: DIN6 international 5 level.

Material: S45C/20CrMnTi

Tooth type: straight tooth.

Hardness treatment: high frequency quenching HRC50-55°

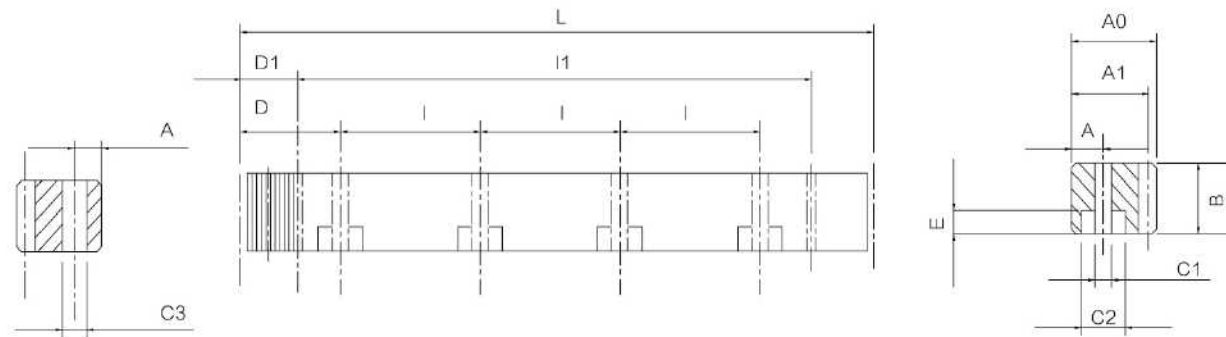
Production process: four side grinding after hard tooth surface treatment, tooth surface grinding.

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

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.

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

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us before ordering.



| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | 齿数<br>Tooth<br>No. | B   | A0  | A1   | D     | I      | 孔数<br>Hole<br>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         | 499.5   | 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    | 19.7 | 0.085 |
| 661 100 050 | 10           | 31.4159        | 1005.31 | 32                 | 99  | 99  | 89   | 62.83 | 125.66 | 8                 | 32 | 33 | 48  | 32 | 125.7  | 753.96 | 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  |

端面齿距Pe=模数×π Fp=总齿距误差

技术要求

精度等级:DIN8 国标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

Technical requirement

Accuracy level: DIN8 international 7 level.

Material: S45C

Tooth type: straight tooth.

Hardness treatment: quenching and tempering treatment HB20-25°

Production process: four sides flat grinding and fine cutting

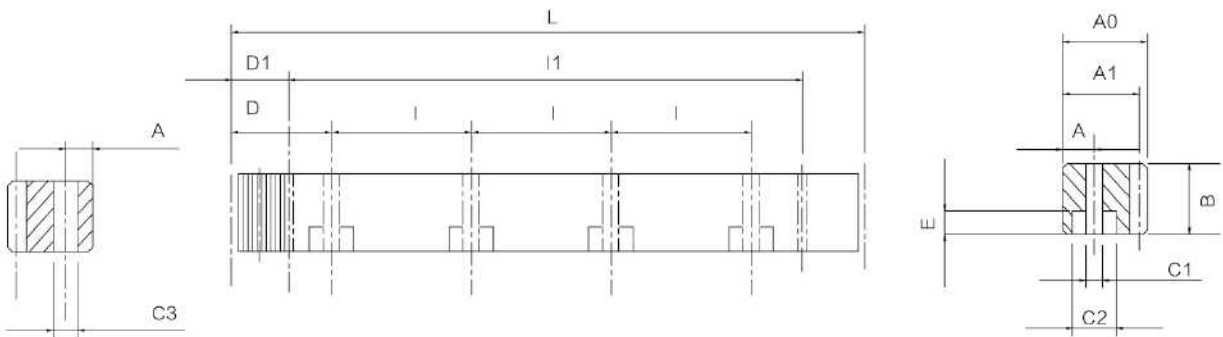
亦供应无钻孔的齿条, 请于型号后备注"N", 如STOER010N。  
不同尺寸与材质以可依照图面客制化。

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.

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

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| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | 齿数<br>Tooth No. | B   | A0  | A1   | D     | I      | 孔数<br>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         | 499.5   | 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    | 19.7 | 0.11  |
| 771 100 050 | 10           | 31.4159        | 1005.31 | 32              | 99  | 99  | 89   | 62.83 | 125.66 | 8              | 32 | 33 | 48  | 32 | 125.7  | 753.96 | 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  |

端面齿距Pe=模数×π Fp=总齿距误差

技术要求  
精度等级:DIN8 国标7级  
材 料:S45C  
齿 型:直齿  
硬度处理:高频淬火 HRC50-55°  
生产工艺:四面平磨精插,表面发黑或磷化

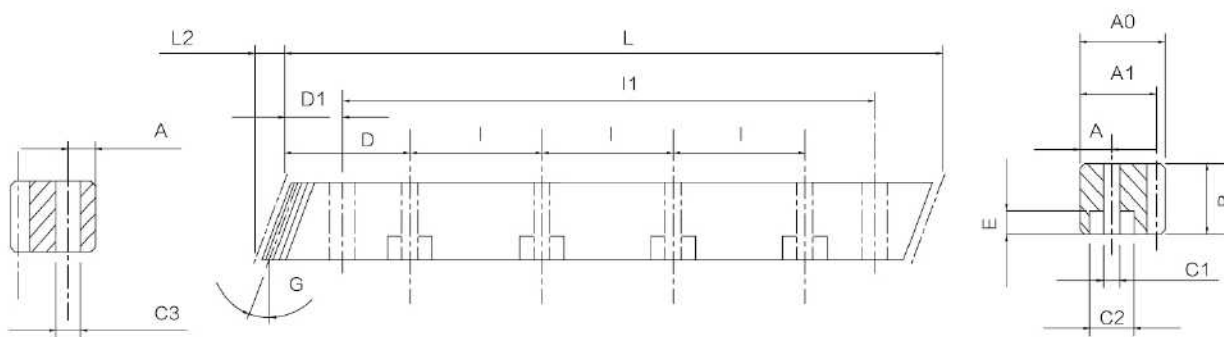
亦供应无钻孔的齿条, 请于型号后备注"N", 如STOER010N。  
不同尺寸与材质以可依照图面客制化。

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

Technical requirement  
Accuracy level: DIN8 international 7 level.  
Material: S45C  
Tooth type: straight tooth.  
Hardness treatment: high frequency quenching 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.I.e. SOTER010N.Other Dimensions / Materials could be customized by drawings.

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| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | L2    | 齿数<br>Tooth No. | B   | A0  | A1   | D    | I   | 孔数<br>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 |
| 552 015 150 | 1.5          | 4.9999         | 500.00  | 6.03  | 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 | 120.0 | 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 | 120.0 | 720.0 | 19.7 | 0.043 |
| 552 100 050 | 10           | 33.3333        | 1000.00 | 35.11 | 30              | 99  | 99  | 89   | 62.5 | 125 | 8              | 32 | 33 | 48  | 32 | 125.0 | 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 | 125.0 | 750.0 | 19.7 | 0.046 |

端面齿距Pe=模数×π/COS(19° 31' 42' ')Fp=总齿距误差

技术要求  
精度等级:DIN6 国标5级  
材 料:S45C/20CrMnTi  
齿 型:斜齿  
右旋角:19° 31' 42' '  
硬度处理:高频淬火 HRC50-55°/渗碳淬火HRC55-60°  
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, 请于型号后备注"N", 如STOER010N。  
不同尺寸与材质以可依照图面客制化。

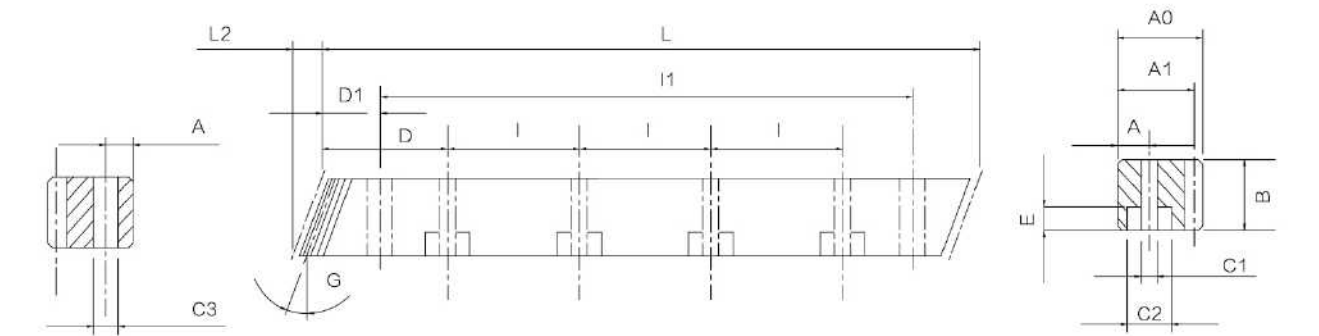
此样本中的所有产品型号及参数如有变更恕不另行通告, 订货前请于本公司联系确认。

Technical requirement  
Accuracy level: DIN6 international 5 level.  
Material: S45C/20CrMnTi  
Tooth profile: helical teeth  
Right angle: 19° 31' 42' '  
Hardness treatment: high frequency quenching HRC50-55°/ carburizing quenching HRC55-60°  
Production process: four side grinding after hard tooth surface treatment, tooth surface grinding.

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.

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| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | L2    | 齿数<br>Tooth<br>No. | B   | A0  | A1   | D    | I   | 孔数<br>Hole<br>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  | 6.03  | 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 |
| 662 100 050 | 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  |

端面齿距Pe=模数×π/COS(19° 31′ 42′ ′ )Fp=总齿距误差

技术要求  
精度等级:DIN8 国标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

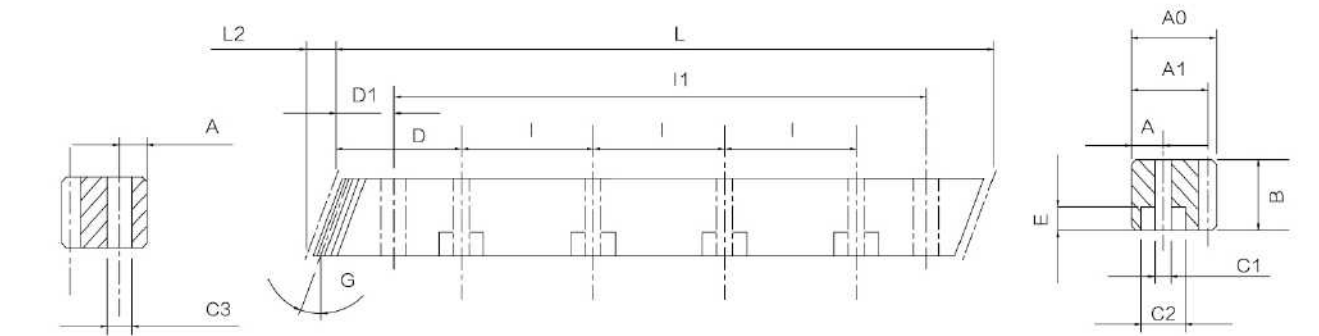
亦供应无钻孔的齿条, 请于型号后备注"N", 如STOER010N。  
不同尺寸与材质以可依照图面客制化。

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

Technical requirement  
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.



| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | L       | L2    | 齿数<br>Tooth<br>No. | B   | A0  | A1   | D    | I   | 孔数<br>Hole<br>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  | 6.03  | 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  |
| 772 100 050 | 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  |

端面齿距Pe=模数×π/COS(19° 31′ 42′ ′ )Fp=总齿距误差

技术要求  
精度等级:DIN8 国标7级  
材 料:S45C  
齿 型:斜齿  
右旋角:19° 31′ 42′ ′  
硬度处理:高频淬火 HRC50-55°  
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, 请于型号后备注"N", 如STOER010N。  
不同尺寸与材质以可依照图面客制化。

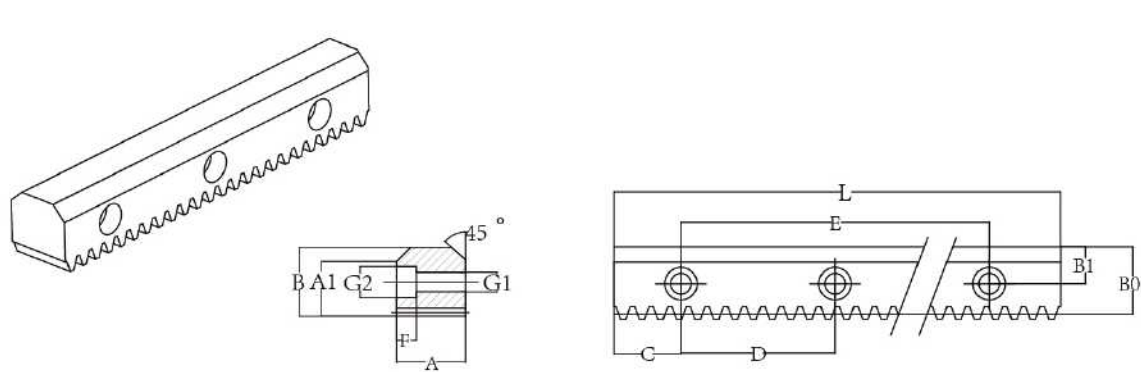
此样本中的所有产品型号及参数如有变更恕不另行通告, 订货前请于本公司联系确认。

Technical requirement  
Accuracy level: DIN8 international 7 level.  
Material: S45C  
Tooth profile: Oblique tooth  
Right angle: 19° 31′ 42′ ′  
Hardness treatment: high frequency quenching 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.I.e.  
SOTER010N.Other Dimensions / Materials could be customized by drawings.

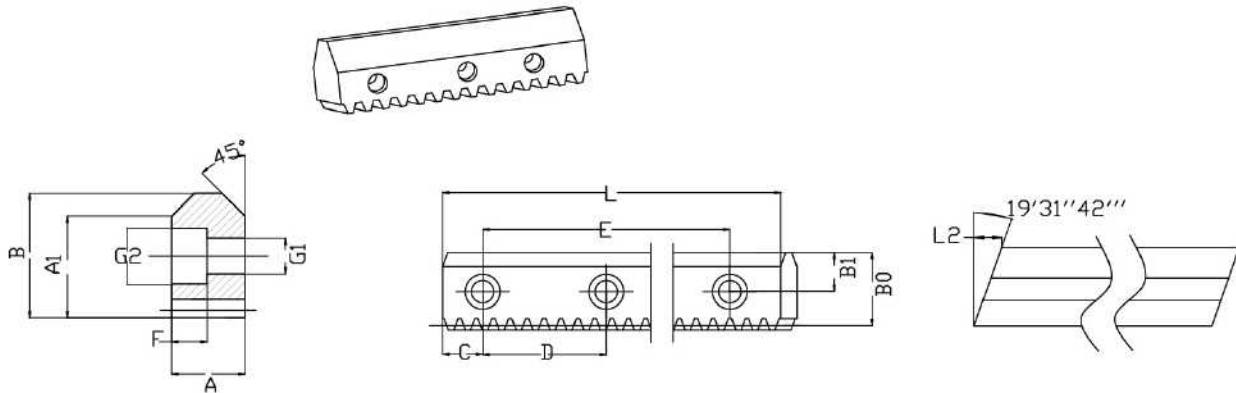
The content of this document is subject to change without notice.Please contact  
us before ordering.





| 型号<br>Code | 模数<br>Module | P <sub>t</sub> | 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 |

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



| 型号<br>Code  | 模数<br>Module | P <sub>t</sub> | 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 | 23   | 15 | 100 | 13   | 20   | 7  | 11 | 7  | 600  |
| VXX66315103 | 1.5          | 4.9999         | 1030 | 5.143  | 14.5 | 24.5 | 23   | 15 | 100 | 13   | 20   | 7  | 11 | 7  | 1000 |
| VXX66320063 | 1.5          | 4.9999         | 630  | 6.916  | 19.5 | 29.5 | 28   | 15 | 100 | 15.5 | 23.5 | 9  | 15 | 9  | 600  |
| VXX66320103 | 1.5          | 4.9999         | 1030 | 6.916  | 19.5 | 29.5 | 28   | 15 | 100 | 15.5 | 23.5 | 9  | 15 | 9  | 1000 |
| VXX66325064 | 2            | 6.6666         | 640  | 8.76   | 24.7 | 33   | 31   | 20 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 600  |
| VXX66325094 | 2            | 6.6666         | 940  | 8.76   | 24.7 | 33   | 31   | 20 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 900  |
| VXX66325124 | 2            | 6.6666         | 1240 | 8.76   | 24.7 | 33   | 31   | 20 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 1200 |
| VXX66335063 | 3            | 9.9999         | 630  | 12.272 | 34.6 | 46.6 | 43.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 600  |
| VXX66335093 | 3            | 9.9999         | 930  | 12.272 | 34.6 | 46.6 | 43.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 900  |
| VXX66335123 | 3            | 9.9999         | 1230 | 12.272 | 34.6 | 46.6 | 43.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 1200 |

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

直齿V型研磨导轨齿条

技术要求：  
精度等级：DIN6e25  
材料：S45C/20CrMnTi  
齿型：直齿  
硬度处理：高频淬火HRC50-55°/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°

Straight tooth V type grinding guide rail rack

Technical requirements:  
Accuracy level: DIN6e25  
Material: S45C/20CrMnTi  
Tooth type: straight tooth.  
Hardness treatment: high frequency quenching HRC50-55° /  
carburizing quenching HRC55-60°  
Production process: four sides grinding, tooth surface grinding,  
V rail surface grinding.V rail hardness HRC50-55° /HRC55-60°

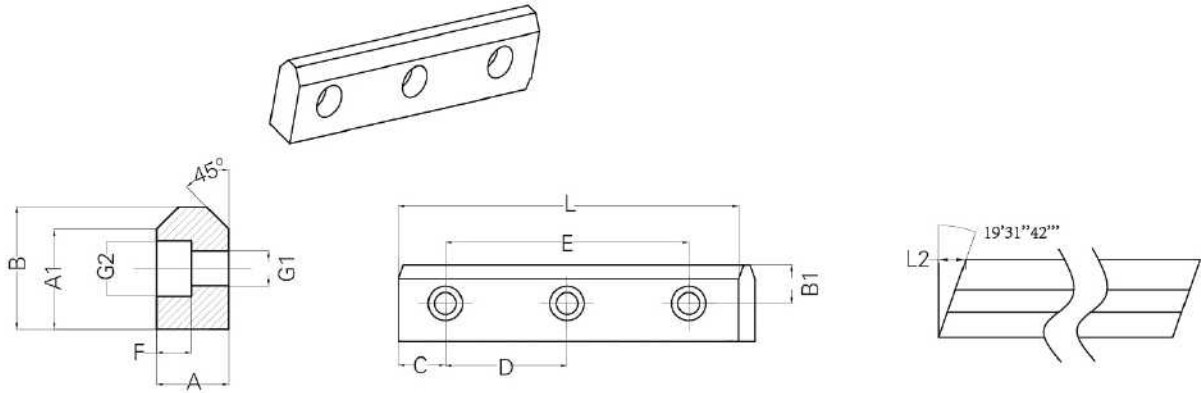
斜齿V型研磨导轨齿条

技术要求：  
精度等级：DIN6e25  
材料：S45C/20CrMnTi  
齿型：斜齿  
右旋角：19°31'42"  
硬度处理：高频淬火HRC50-55°/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°

Helical V type grinding guide rack

Technical requirements:  
Accuracy level: DIN6e25  
Material: S45C/20CrMnTi  
Tooth profile: helical teeth  
Right angle: 19° 31'42"  
Hardness treatment: high frequency quenching HRC50-55° /  
carburizing quenching HRC55-60°  
Production process: four sides grinding, tooth surface grinding,  
V rail surface grinding. V rail hardness HRC50-55° /HRC55-60°





| 型号<br>Code  | L    | L2     | A    | B    | C  | D   | B1   | A1   | G1 | G2 | F  | E    |
|-------------|------|--------|------|------|----|-----|------|------|----|----|----|------|
| VXT77315063 | 630  | 5.143  | 14.5 | 24.5 | 15 | 100 | 13   | 20   | 7  | 11 | 7  | 600  |
| VXT77315103 | 1030 | 5.143  | 14.5 | 24.5 | 15 | 100 | 13   | 20   | 7  | 11 | 7  | 1000 |
| VXT77320063 | 630  | 6.916  | 19.5 | 29.5 | 15 | 100 | 15.5 | 23.5 | 9  | 15 | 9  | 600  |
| VXT77320103 | 1030 | 6.916  | 19.5 | 29.5 | 15 | 100 | 15.5 | 23.5 | 9  | 15 | 9  | 1000 |
| VXT77325063 | 630  | 8.76   | 24.7 | 33   | 15 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 600  |
| VXT77325093 | 930  | 8.76   | 24.7 | 33   | 15 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 900  |
| VXT77325123 | 1230 | 8.76   | 24.7 | 33   | 15 | 100 | 18.5 | 25.2 | 9  | 15 | 9  | 1200 |
| VXT77325063 | 630  | 12.272 | 34.6 | 46.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 600  |
| VXT77335093 | 930  | 12.272 | 34.6 | 46.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 900  |
| VXT77335123 | 1230 | 12.272 | 34.6 | 46.6 | 15 | 100 | 28.6 | 36.7 | 11 | 18 | 11 | 1200 |

V型研磨导轨

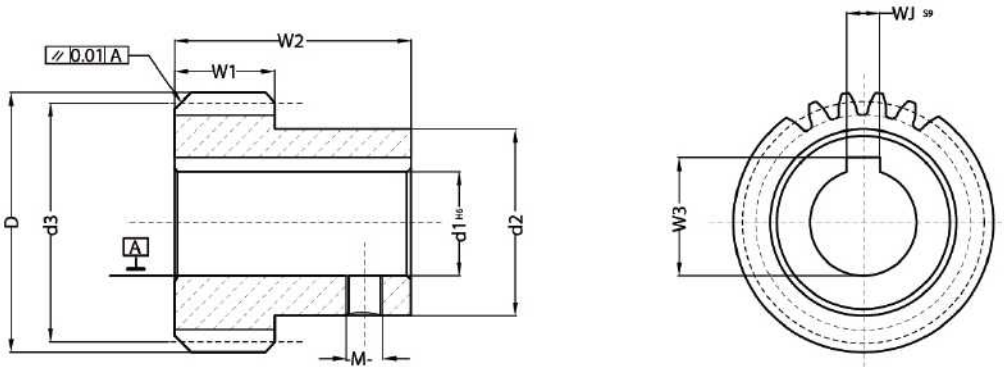
技术要求  
材 料:S45C/20CrMnTi  
硬度处理:V型导轨面硬度50-60HRC/HRC55-60°  
生产工艺:四面研磨，V型导轨面研磨

V grinding Guide

Technical requirement  
Material: S45C/20CrMnTi  
Hardness: V rail surface hardness 50-60°HRC/HRC55-60°  
Production process: four side grinding, V rail surface grinding

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| 型号<br>Code | 模数<br>Module | 齿数 | d1 <sub>H6</sub> | d2  | d3     | D      | w1 | w2   | w3   | WJ <sub>59</sub> | 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 |
| 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 |

斜齿研磨齿轮

技术要求  
精度等级:DIN6 国标5级  
材 料:40Cr/20CrMnTi  
齿 型:斜齿  
左旋角:19° 31' 42' '  
硬度处理:高频淬火 HRC50-55°/整体渗碳淬火HRC55-60°  
生产工艺:齿面研磨

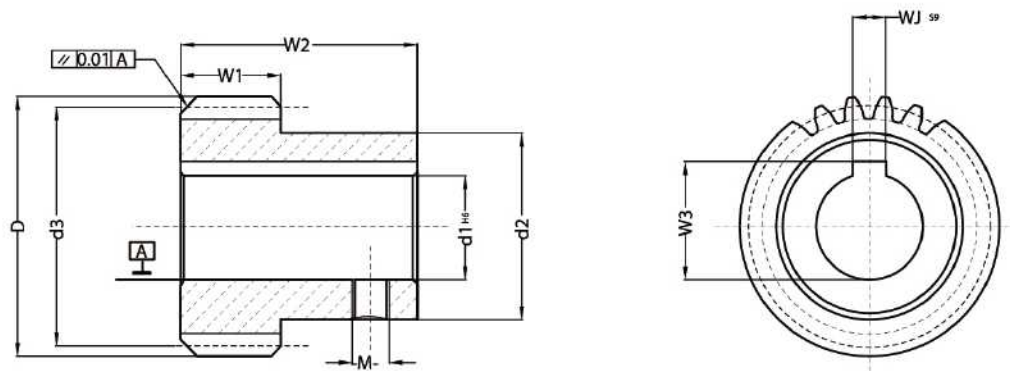
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Helical gear grinding

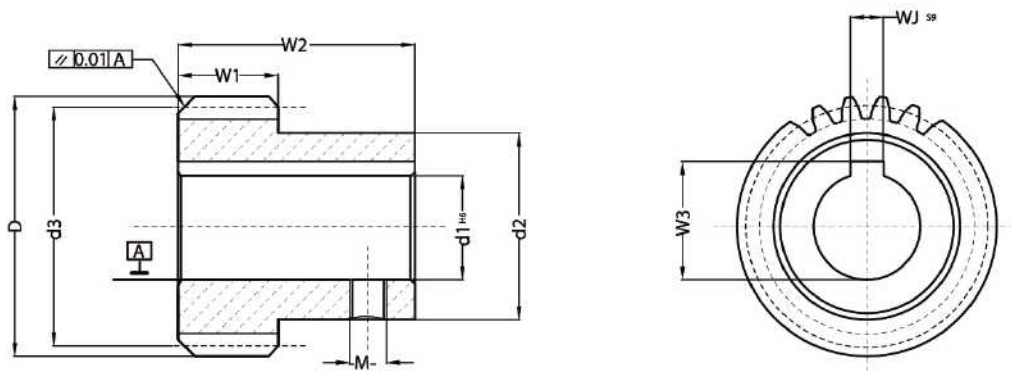
Technical requirement  
Accuracy level: DIN6 international 5 level.  
Material: 40Cr/20CrMnTi  
Tooth profile: helical teeth  
Left angle: 19° 31'42''  
Hardness treatment: high frequency quenching HRC50-55° / whole carburizing quenching HRC55-60°  
Production process: gear grinding

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| 型号<br>Code | 模数<br>Module | 齿数 | d1 <sub>H6</sub> | d2  | d3     | D      | w1 | w2 | w3   | WJ <sub>S9</sub> | 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 | Φ46.44 | Φ42.44 | 24 | 42 | 24.8 | 6                | 6 |
| YMCL202250 | 2            | 25 | 22               | Φ40 | Φ57.29 | Φ53.29 | 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 |



| 型号<br>Code | 模数<br>Module | 齿数 | d1 <sub>H6</sub> | d2  | d3       | D        | w1 | w2 | w3   | WJ <sub>S9</sub> | 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 |
| 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 |

斜齿研磨齿轮

技术要求  
精度等级:DIN6  国标5级  
材  料:40Cr/20CrMnTi  
齿  型:斜齿  
左旋角：19° 31′ 42″  
硬度处理:高频淬火 HRC50-55°/整体渗碳淬火HRC55-60°  
生产工艺:齿面研磨

Helical gear grinding

Technical requirement  
Accuracy level: DIN6 international 5 level.  
Material: 40Cr/20CrMnTi  
Tooth profile: helical teeth  
Left angle: 19° 31'42"  
Hardness treatment: high frequency quenching HRC50-55° / whole carburizing quenching HRC55-60°  
Production process: gear grinding

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斜齿研磨齿轮

技术要求  
精度等级:DIN6  国标5级  
材  料:40Cr/20CrMnTi  
齿  型:斜齿  
左旋角：19° 31′ 42″  
硬度处理:高频淬火 HRC50-55°/整体渗碳淬火HRC55-60°  
生产工艺:齿面研磨

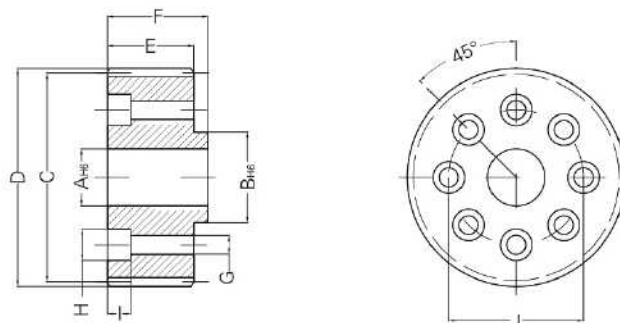
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Helical gear grinding

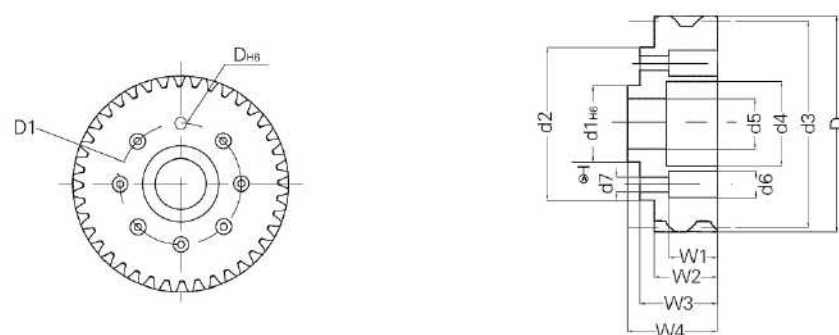
Technical requirement  
Accuracy level: DIN6 international 5 level.  
Material: 40Cr/20CrMnTi  
Tooth profile: helical teeth  
Left angle: 19° 31'42"  
Hardness treatment: high frequency quenching HRC50-55° / whole carburizing quenching HRC55-60°  
Production process: gear grinding

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| 型号<br>Code | 模数<br>Module | 齿数 | A <sub>H6</sub> | B <sub>H6</sub> | C      | D      | E  | F    | G   | H  | I  | J    |
|------------|--------------|----|-----------------|-----------------|--------|--------|----|------|-----|----|----|------|
| YMCLK26    | 2            | 26 | 15              | 20              | 55.174 | 60.80  | 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 | 67.20  | 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   |
| 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   |



| 型号<br>Code | 模数<br>Module | 齿数 | d <sub>1H6</sub> | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | d <sub>6</sub> | d <sub>7</sub> | w <sub>1</sub> | w <sub>2</sub> | w <sub>3</sub> | w <sub>4</sub> | 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 |

## 斜齿法兰研磨齿轮

技术要求

精度等级: DIN6 国标5级

材料: 20CrMnTi

齿型: 斜齿

左旋角: 19° 31' 42"

硬度处理: 整体渗碳HRC55-60°

生产工艺: 齿面研磨

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## Helical gear grinding gear

Technical requirement

Accuracy level: DIN6 international 5 level.

Material: 20CrMnTi

Tooth profile: helical teeth

Left angle: 19° 31' 42"

Hardness treatment: overall carburizing HRC55-60°

Production process: gear grinding

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DAS CERTIFICATION

Quality Management System  
Certificate of Approval

This is to certify that the QMS of

Zhejiang Soter Transmission Technology Co., Ltd.

Unified Social Credit Code: 91331081MA28GCDQ3D

No.31, Guangchang Road, Ruoheng Town, Wenling City, Zhejiang Province, China.

Has been assessed and found to meet the requirements of

**GB/T 19001-2016/ISO 9001:2015**

This certificate is valid for the following scope of operations:

Production and Sales of Rack and Pinion

Date of Certificate Issue: Nov, 03, 2016

Certificate Valid Until: Nov, 02, 2019

Certificate Number: **QWZ17161109**

Version Upgrade Date: Sep, 13, 2018

The validity of the registration will be continued only when the organisation pass the annual surveillance audit.

Check the validity of certificate at [www.cnca.gov.cn](http://www.cnca.gov.cn) or [www.das-china.com](http://www.das-china.com)

Surveillance Audits:



Authorized by:

Chief Executive

Shanghai DAS Certification Co., Ltd., member of SN Registrars (Holdings) Ltd.

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Tel: 0086-21-62773910 Fax: 0086-21-62080319

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ADD: Registration House, 22b Church Street, Rushden,

Northamptonshire, NN10 9YT, UK

Tel: +44(0)1933 381859

Email: [info@dascertification.co.uk](mailto:info@dascertification.co.uk)Web: [www.dascertification.co.uk](http://www.dascertification.co.uk)

Company Number: 07659067

