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匠工精神 精密细作

SOTER 索特

SPIRIT OF THE CRAFTSMAN
INTENSIVE CULTIVATION

索特传动
品质改变世界



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质量管理体系认证证书

本证书证明

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质量管理体系符合

GB/T 19001-2016/ISO 9001:2015

本证书有效认证范围:

齿条、齿轮的生产和销售

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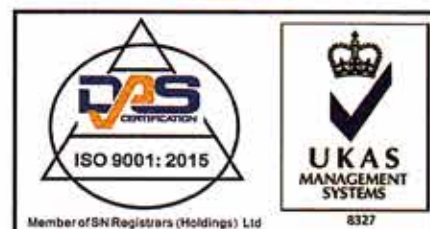
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ENTERPRISE CATALOG

企业目录



企业简介_____	Company profile	1-2
齿条装配说明_____	Racks assembly instructions	3
生产设备概况_____	Overview of production equipment	4-5
特殊产品展示及参数介绍_____	Presentation and introduction of special products	6-7
齿条传动形式_____	Racks drive	8
齿条承载力选择表_____	Racks bearing capacity selection table	9-10
直齿条数据目录_____	Straight racks data directory	11-13
斜齿条数据目录_____	Oblique racks data directory	14-16
V型导轨齿条_____	V guide racks	17-21
研磨齿轮_____	Grinding gear	22-25

精工智造 SEIKO



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%.

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，索特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广泛应用于光纤激光切割机、工业机器人桁架机械手、玻璃切割机、数控龙门加工中心、木工机械装备、汽车自动化生产线及其它传动行业等。

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。针对于高精密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，我们的产品远销日本、瑞典、荷兰、土耳其、美国、德国、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 optical fiber laser cutting machine, industrial robot truss manipulator, glass cutting machine, CNC gantry machining center, woodworking machinery and equipment, automotive automatic production lines and other transmission industry, etc.

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 Japan, Sweden, the Netherlands, Turkey, the United States, Germany, 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



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。

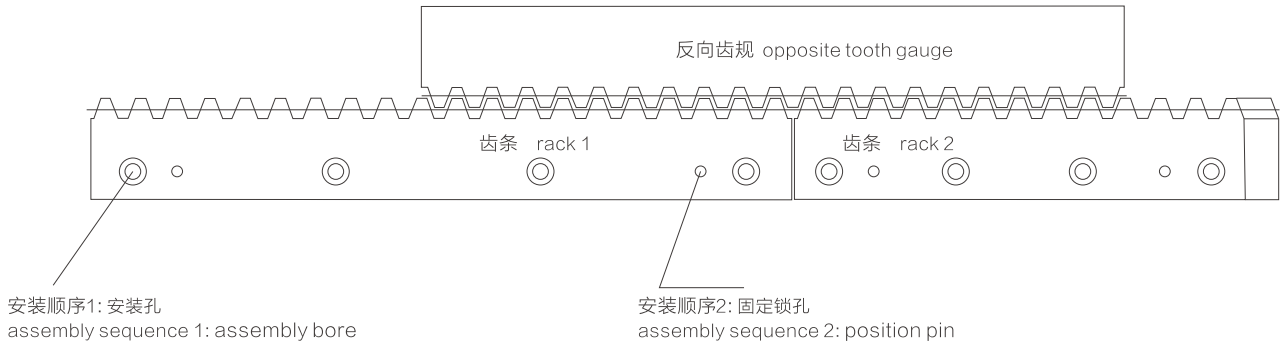
2.最后再将齿条上的两端侧面的固定销孔给固定上即完成安装。

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.



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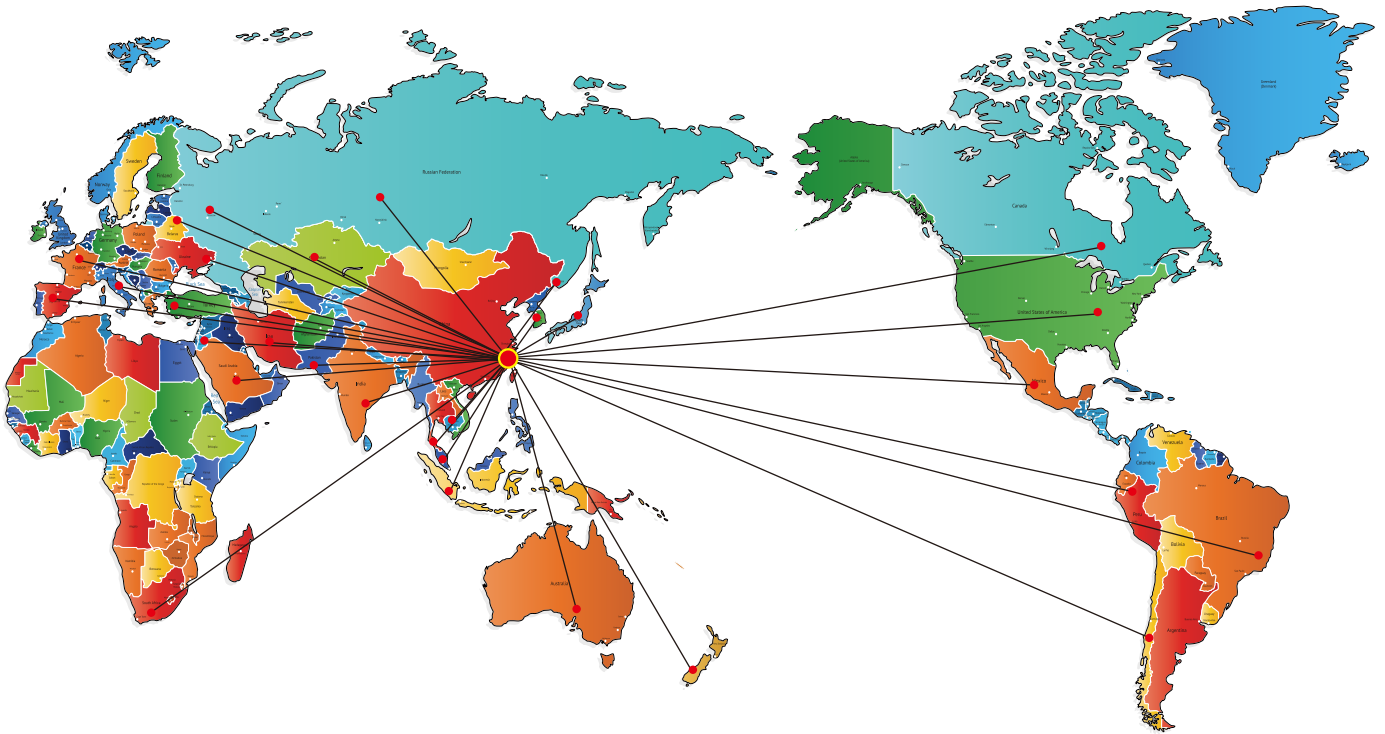
精密设备，高端研发团队，品质保障！
Precision equipment, high-end R & D team, quality assurance!

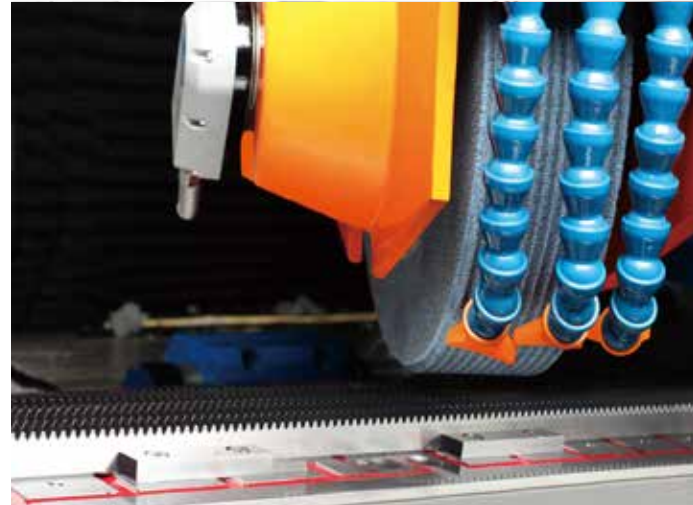
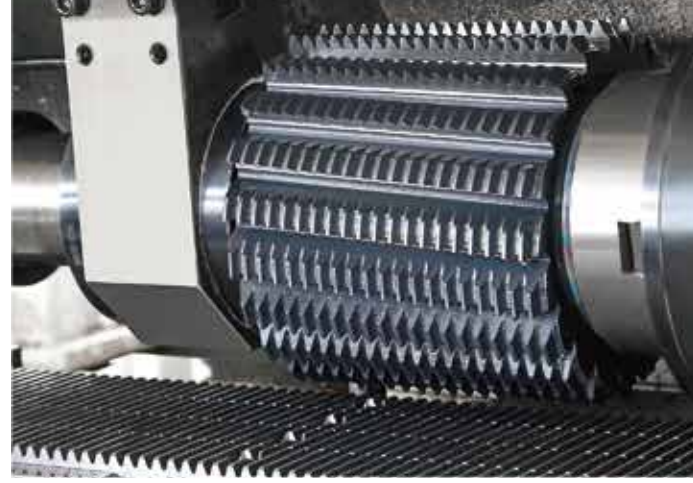
无可挑剔的智造设备，
精确到丝米的测量单位，
中外研发团队无缝衔接。
索特是**精工品质**与品牌
魅力完美结合的典范！

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!

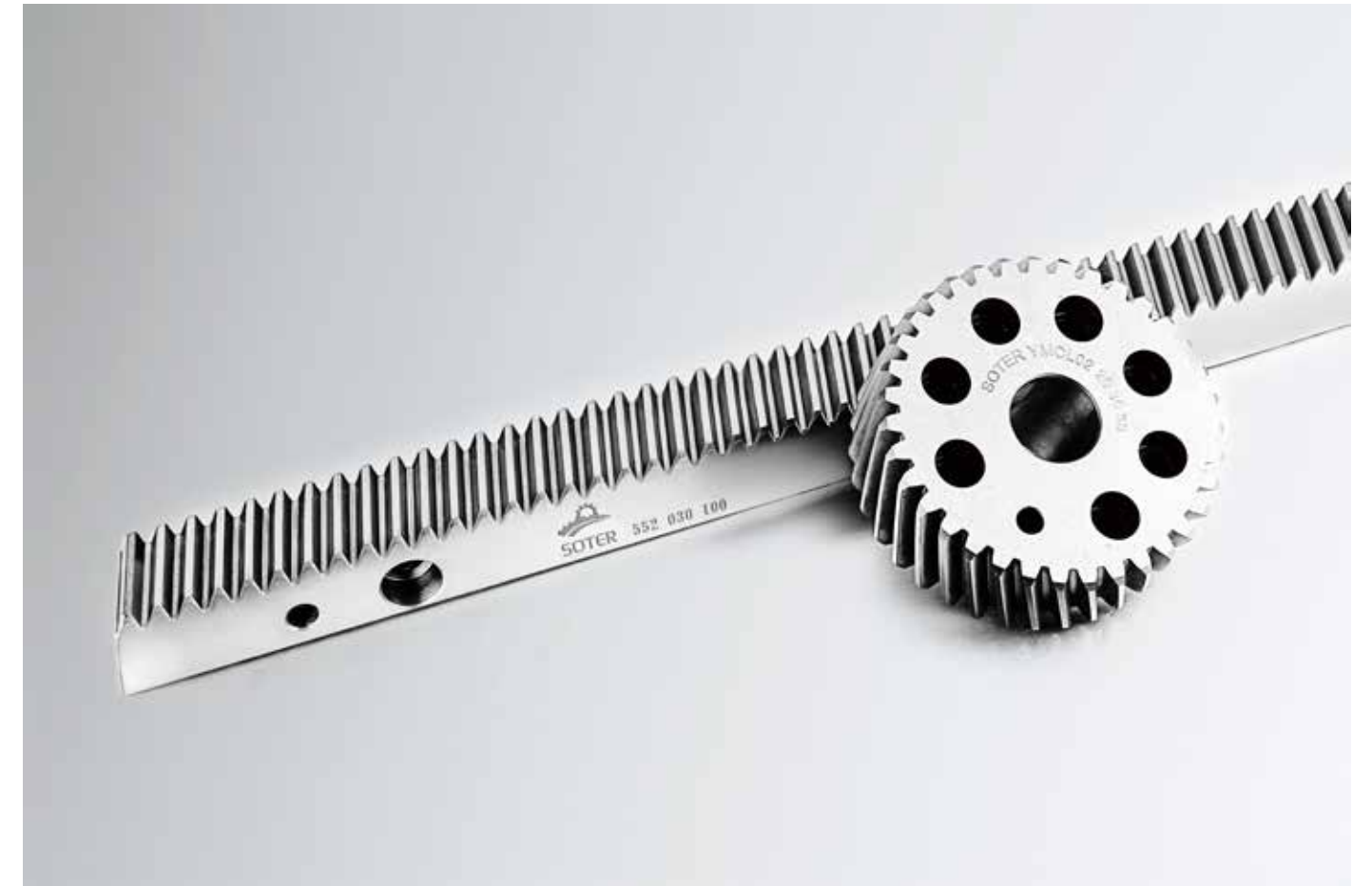
品质保证 持续创新

齿条规格齐全，远销世界各地
Rack specifications complete, exported to all parts of the world





PROVIDING HIGH QUALITY PRODUCTS FOR GLOBAL CUS- TOMERS



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： $19^\circ31'42''$
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: 24*24*1000
Modulus: M2
Tooth number: Z=150
Pressure angle: $\alpha=20^\circ$
Addendum coefficient: $ha=1$
Tooth profile: helical teeth
Right angle: $19^\circ31'42''$
Accuracy grade: DIN6 GB 5
Hardness treatment: tooth surface high frequency quenching HRC50-55°
Production process: four side grinding, tooth surface grinding

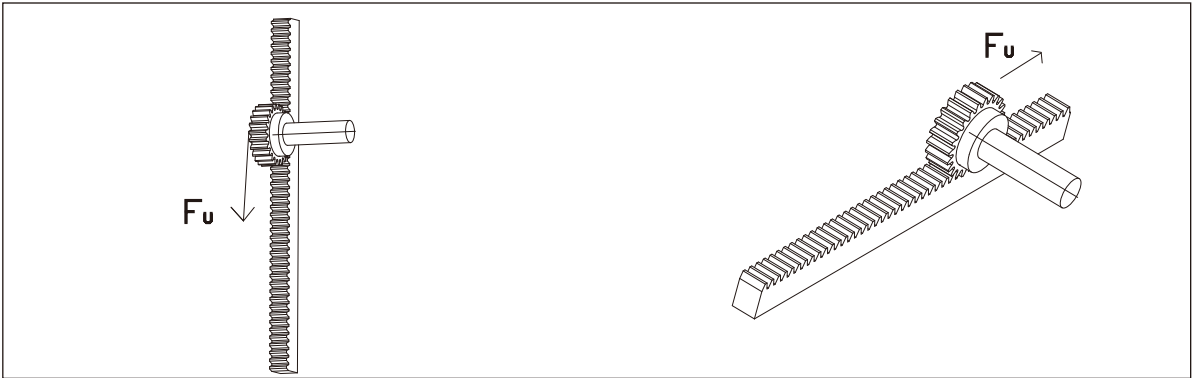


规格参数
规格：29*29*1000
模数：m3
齿数：Z=100
压力角：α=20°
齿顶高系数：ha=1
齿型：斜齿
右旋角：19°31'42"
精度等级：DIN6 国标5级
硬度处理：齿面高频淬火HRC50-55°
生产工艺：四面研磨，齿面研磨

Specification parameter
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Tooth profile: helical teeth
Right angle: 19°31'42"
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/s²

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

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σ_{Flim}和试验齿条的接触疲劳极限σ_{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 σ_{Flim} and bending load σ_{Hlim}

材料	σ _{Flim} [N/mm²]	σ _{Hlim} [N/mm²]
C45	440	550
C45 高频淬火 induction hardened	750	1250
16MnCr5 渗碳淬火 Carburized and hardened	920	1500
42CrMo4V	600	730

索特齿条
Racks

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 b=10 mm				1.5 b=15 mm				2 b=20 mm				
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 C45 ind.-hardened 斜齿 helical	C45高频淬火 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 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 C45 ind.-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													
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													

模数 module		2.5 b=25 mm				3 b=30 mm				
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									
	C45高频淬火 C45 ind.-hardened	8.5	25.1	52.8	175.2	13	46	97.2	159.6	339.8
C45 高频淬火 C45 ind.-hardened 斜齿 helical	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 C45 ind.-hardened 齿面经磨削 直齿 ground teeth:straight	C45高频淬火 C45 ind.-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 斜齿 ground teeth;helical	C45高频淬火 C45 ind.-hardened									
	C45高频淬火 C45 ind.-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									
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									

索特齿条
Racks

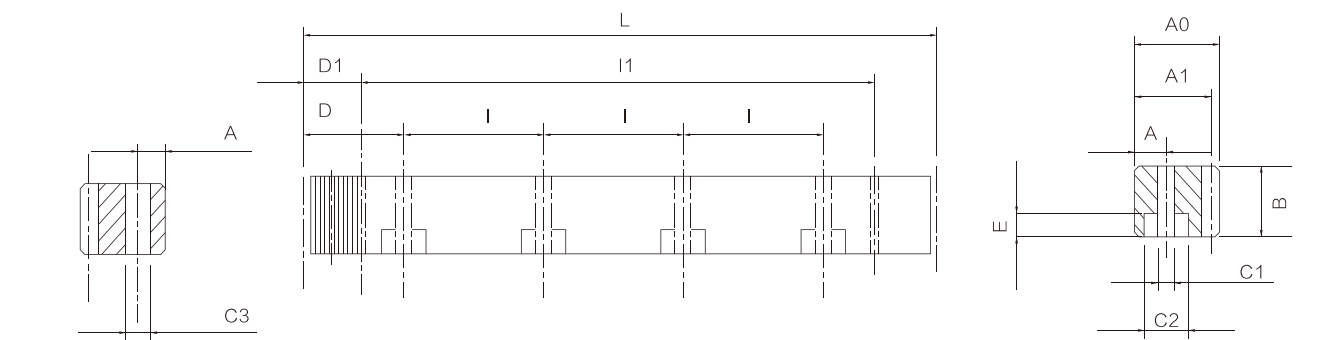
承载力选择表
selection and load tables

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 b=40 mm					5 b=50 mm				6 b=60 mm		
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 C45 ind.-hardened 斜齿 helical	C45高频淬火 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 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 C45 ind.-hardened												
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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												

模数 module		8 b=80 mm			10 b=100 mm					
齿数 number of teeth		15 20 25			20					
齿条 rack 材料和齿形 material & tooth system										
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 C45 ind.-hardened 斜齿 helical	C45高频淬火 C45 ind.-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 C45 ind.-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									



	型号 Code		模数 Module	P _t	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	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	100	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/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

Technical requirement

Accuracy level: DIN6 international 5 level.

Material: S45C/42CrMo

Tooth type: straight tooth.

Hardness treatment: high frequency quenching HRC48-52°/HRC50-55°

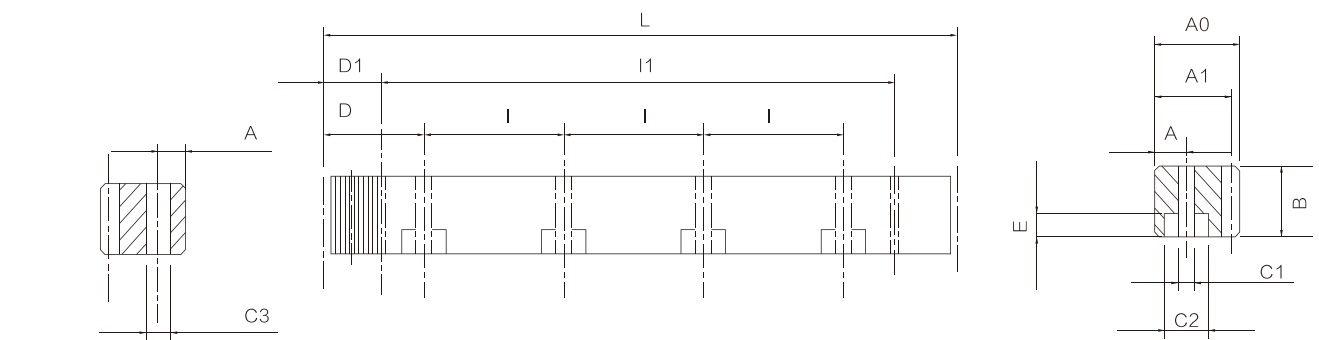
Production process: four side grinding after hard tooth surface treatment, tooth surface grinding.

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.

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型号 Code			模数 Module	P _t	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	499.5	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	100	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°

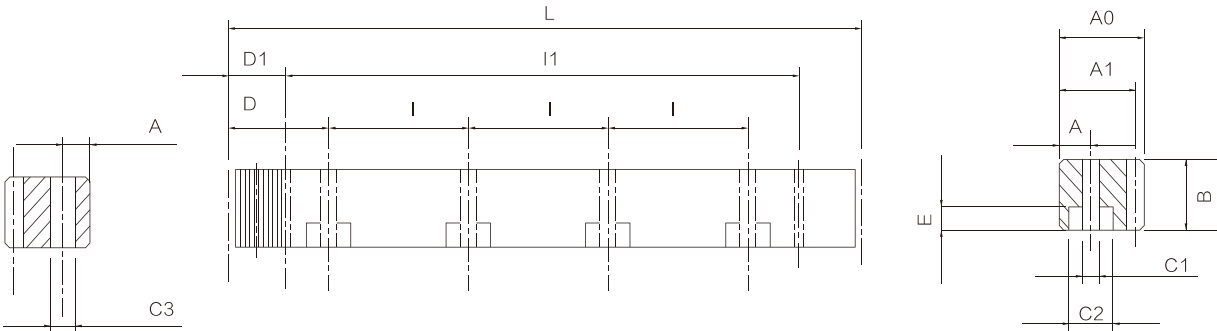
Production process: four sides flat grinding and fine cutting

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。

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型号 Code	模数 Module	P _t	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	499.5	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
771 100 100	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 HRC48-52°

生产工艺:四面平磨精插,表面发黑或磷化

Technical requirement

Accuracy level: DIN8 international 7 level.

Material: S45C

Tooth type: straight tooth.

Hardness treatment: high frequency quenching HRC48-52°

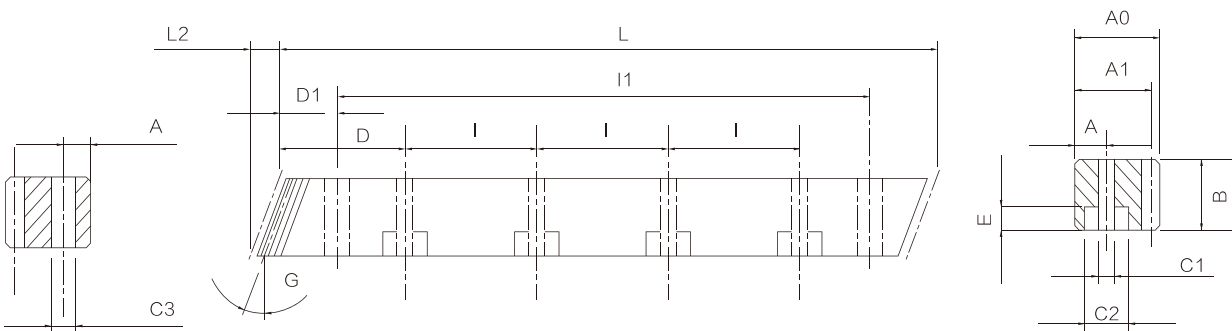
Production process: four sides flat grinding, fine insertion, surface blackening or phosphating.

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.

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型号 Code	模数 Module	P _t	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	120.0	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
552 100 100	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/42CrMo

齿 型:斜齿

右旋角：19° 31′ 42′ ′

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/42CrMo

Tooth profile: helical teeth

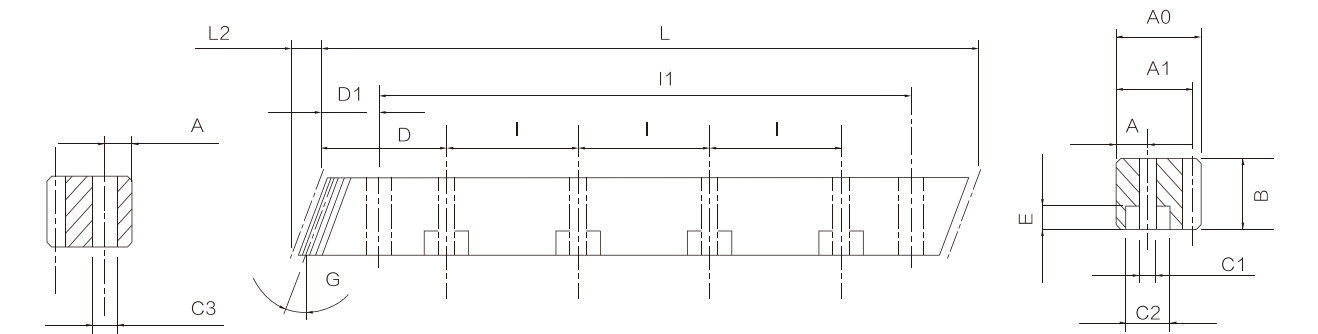
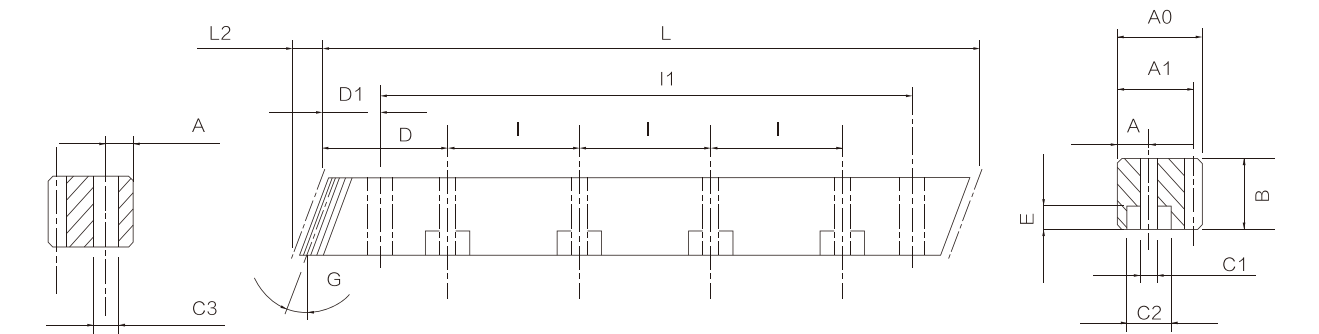
Right angle: 19° 31′ 42′ ′

Hardness treatment: high frequency quenching HRC48-52°/ HRC50-55°

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

Racks 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 Code	模数 Module	P _t	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

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.

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型号 Code	模数 Module	P _t	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

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 HRC48-52°
生产工艺:四面平磨精插,表面发黑或磷化

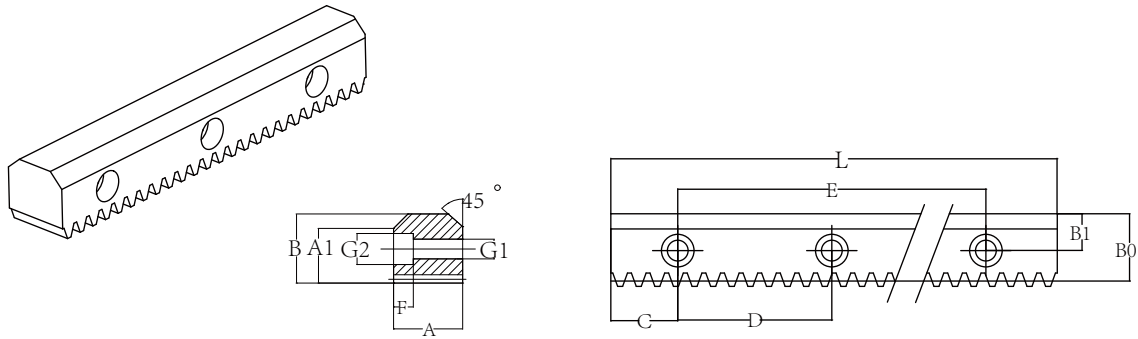
亦供应无钻孔的齿条，请于型号后备注"N"，如STOER010N。
不同尺寸与材质以可依照图面客制化。

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 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.

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型号 Code	模数 Module	P _t	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

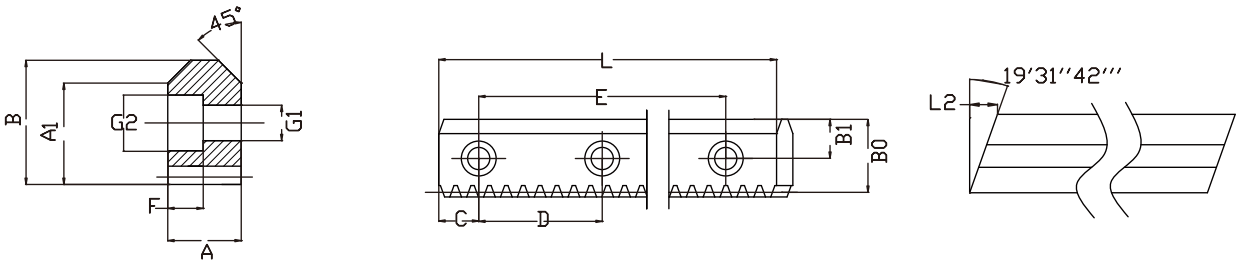
直齿V型研磨导轨齿条

技术要求：
精度等级：DIN6e25
材料：S45C/42CrMo
齿型：直齿
硬度处理：V型导轨面高频淬火HRC48-52°/HRC50-55°
生产工艺：四面研磨，齿面研磨，V型导轨面研磨

Straight tooth V type grinding guide rail rack

Technical requirements:
Accuracy level: DIN6e25
Material: S45C/42CrMo
Tooth type: straight tooth.
Hardness treatment: V-type guide rail surface high frequency quenching
HRC48-52 ° / HRC50-55 °
Production process: four sides grinding, tooth surface grinding.

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型号 Code	模数 Module	P _t	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	65	100	13	20	7	11	7	500
VXX66315103	1.5	4.9999	1030	5.143	14.5	24.5	23	65	100	13	20	7	11	7	900
VXX66320063	1.5	4.9999	630	6.916	19.5	29.5	28	65	100	15.5	23.5	9	15	9	500
VXX66320103	1.5	4.9999	1030	6.916	19.5	29.5	28	65	100	15.5	23.5	9	15	9	900
VXX66325064	2	6.6666	640	8.76	24.7	33	31	70	100	18.5	25.2	9	15	9	500
VXX66325094	2	6.6666	940	8.76	24.7	33	31	70	100	18.5	25.2	9	15	9	800
VXX66325124	2	6.6666	1240	8.76	24.7	33	31	70	100	18.5	25.2	9	15	9	1100
VXX66335063	3	9.9999	630	12.272	34.6	46.6	43.6	65	100	28.6	36.7	11	18	11	500
VXX66335093	3	9.9999	930	12.272	34.6	46.6	43.6	65	100	28.6	36.7	11	18	11	800
VXX66335123	3	9.9999	1230	12.272	34.6	46.6	43.6	65	100	28.6	36.7	11	18	11	1100

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

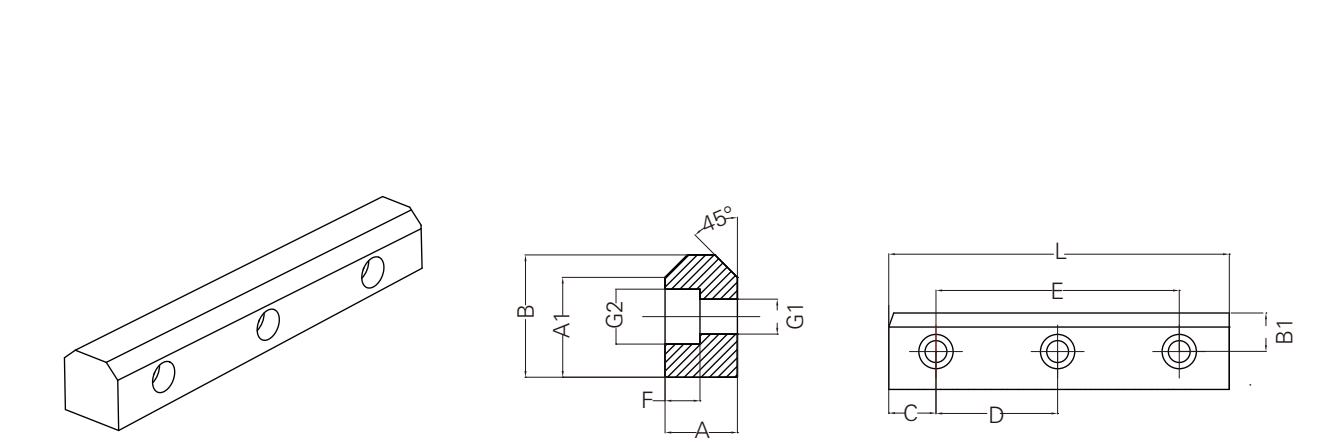
斜齿V型研磨导轨齿条

技术要求：
精度等级：DIN6e25
材料：S45C/42CrMo
齿型：斜齿
右旋角：19°31'42"
硬度处理：V型导轨齿面高频淬火HRC50-55°/HRC55-60°
生产工艺：四面研磨，齿面研磨，V型导轨面研磨

Helical V type grinding guide rack

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

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

V型研磨导轨

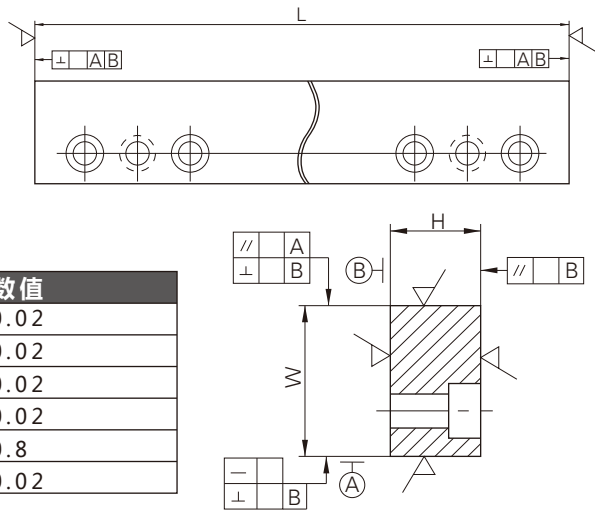
技术要求
材 料:S45C/42CrMo
硬度处理:V型导轨面高频淬火HRC50-55°/HRC55-60°
生产工艺:四面研磨，V型导轨面研磨

V grinding Guide

Technical requirement
Material: S45C/42CrMo
Hardness treatment: V-guide rail surface quenching HRC50-55 ° / HRC55-60 °
Production process: four side grinding, V rail surface grinding

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。

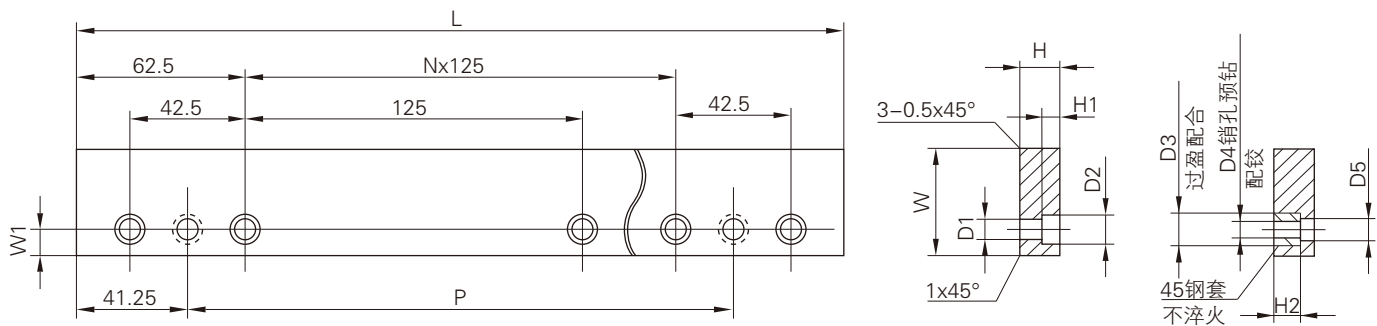
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精度参数

项目		单位	数值
形位公差(在1m长上)	直线度 (—)	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 (√)		um	0.8
外形尺寸一致性		mm	0.02

技术参数



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

矩形导轨

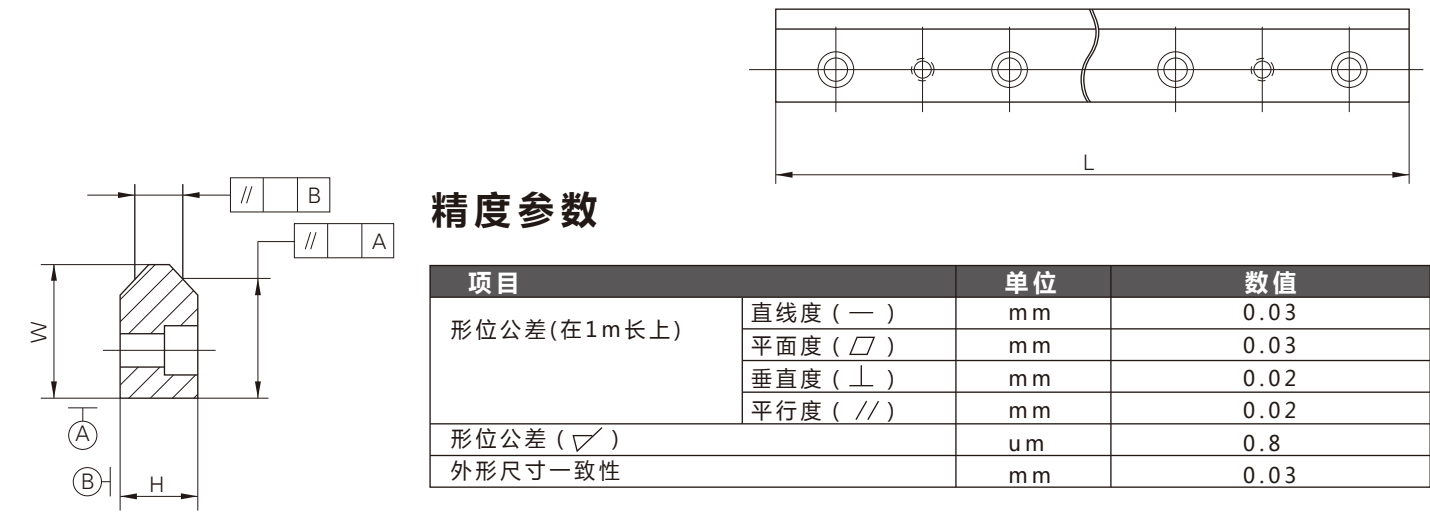
技术要求
材 料:42CrMo
硬度处理:导轨面高频淬火HRC55-60°
生产工艺:四面研磨

Rectangular guide rail

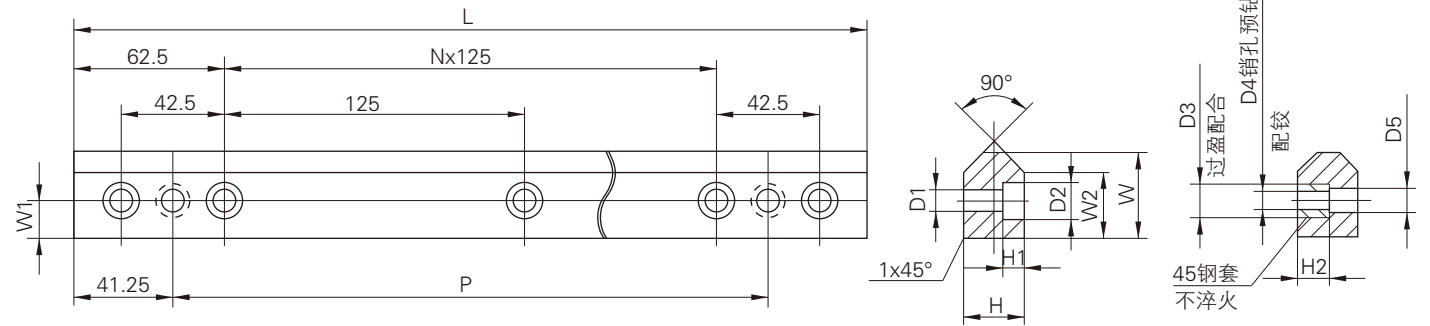
Technical requirement
Material: 42CrMo
High frequency quenching of guide rail surface HRC55-60 °
Production process: four side grinding

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技术参数



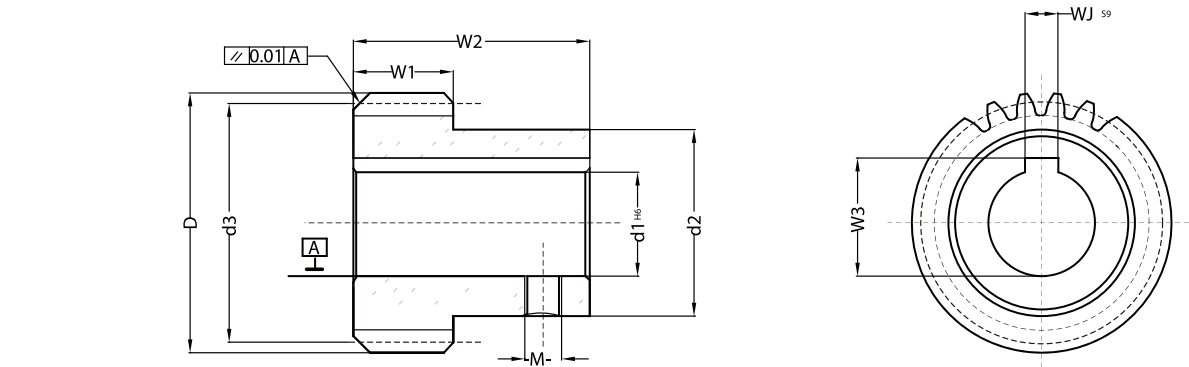
V型研磨导轨

技术要求
材 料:S45C/42CrMo
硬度处理:V型导轨面高频淬火 HRC50-55°/HRC55-60°
生产工艺:四面研磨, V型导轨面研磨

V type grinding Guide

Technical requirement
Material: S45C / 42CrMo
Hardness treatment: V-guide rail surface quenching HRC50-55 ° / HRC55-60 °
Production process: four side grinding, V-guide surface grinding

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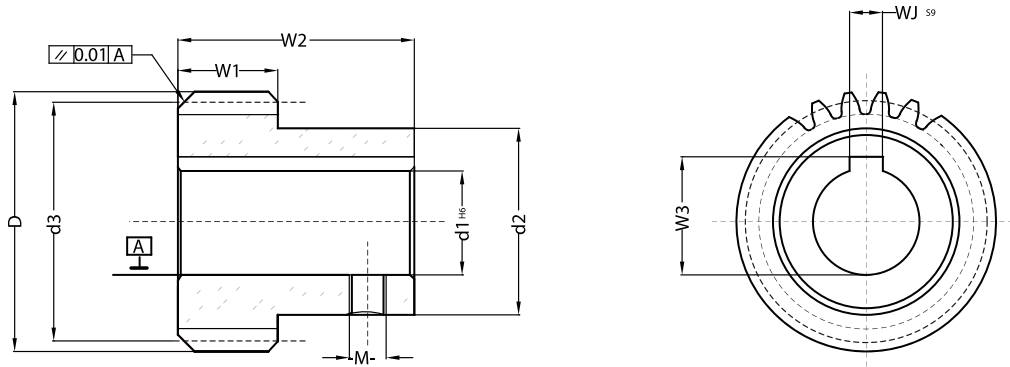


斜齿研磨齿轮

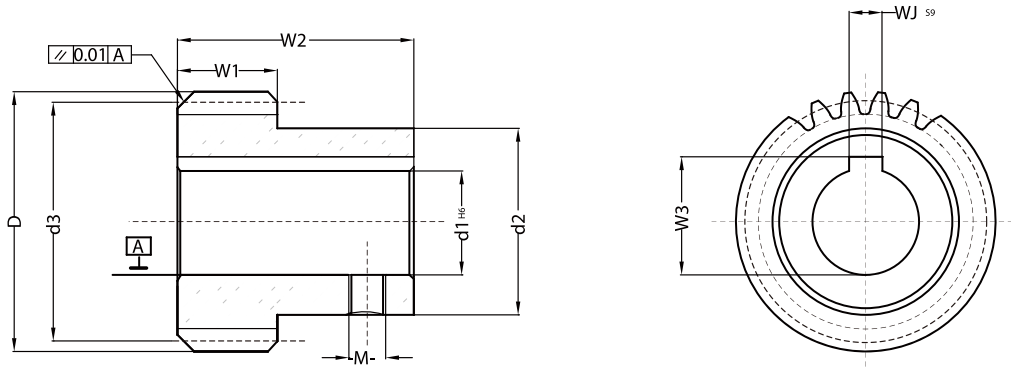
技术要求
精度等级:DIN6 国标5级
材 料:40Cr/20CrMnTi
齿 型:斜齿
左旋角:19° 31' 42' '
硬度处理:高频淬火 HRC50-55°/整体渗碳淬火HRC55-60°
生产工艺:齿面研磨

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



型号 Code	模数 Module	齿数	d1 _{H6}	d2	d3	D	w1	w2	w3	WJ ₅₉	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



型号 Code	模数 Module	齿数	d1 _{H6}	d2	d3	D	w1	w2	w3	WJ ₅₉	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

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

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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斜齿研磨齿轮

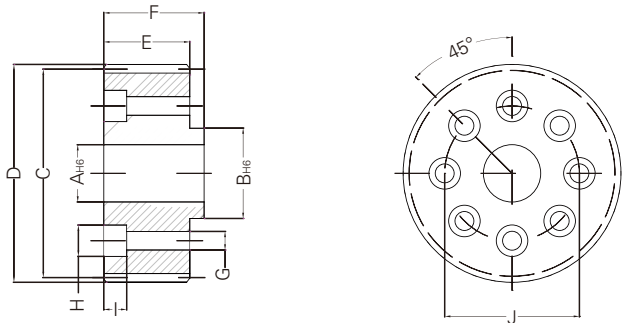
技术要求
精度等级:DIN6 国标5级
材 料:40Cr/20CrMnTi
齿 型:斜齿
左旋角：19° 31’ 42’ ’
硬度处理:高频淬火 HRC50-55°/整体渗碳淬火HRC55-60°
生产工艺:齿面研磨

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。

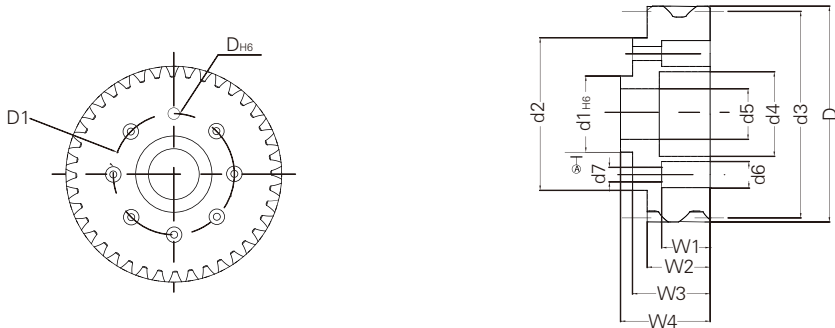
Helical gear grinding

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 Code	模数 Module	齿数	A _{H6}	B _{H6}	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
YMCLK35	2	35	20	31.5	74.300	79.500	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 Code	模数 Module	齿数	d1 _{H6}	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

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

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。

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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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, 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: Oct, 30, 2019

Certificate Valid Until: Oct, 29, 2022

Certificate Number: **QM181910142**

Initial Certificate Issue: Nov, 03, 2016

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 or 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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