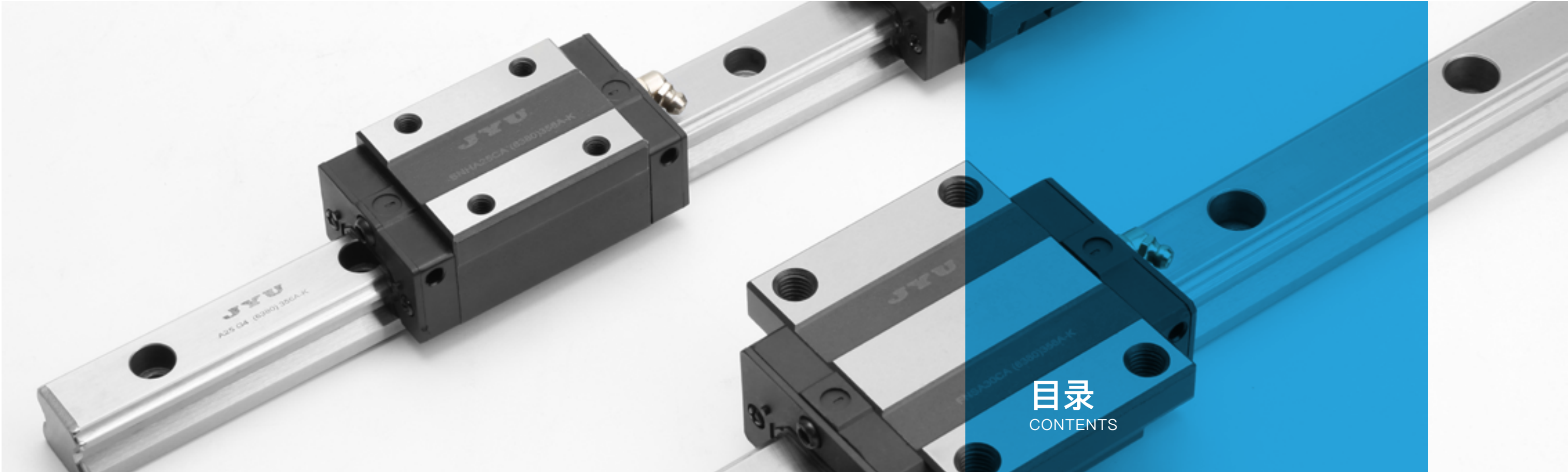


线性滑轨综合型录

Comprehensive Catalogue Of Linear Guideway



聊城市精研滚针轴承有限公司
Liaocheng Jingyan Bearing Co., Ltd.



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聊城市精研滚针轴承有限公司创建于 1980 年，使用 JYU 为品牌标识，公司主要开发生产三大类产品：车削外圈和冲压外圈滚针轴承及保持架组件、圆柱滚子轴承、直线导轨。

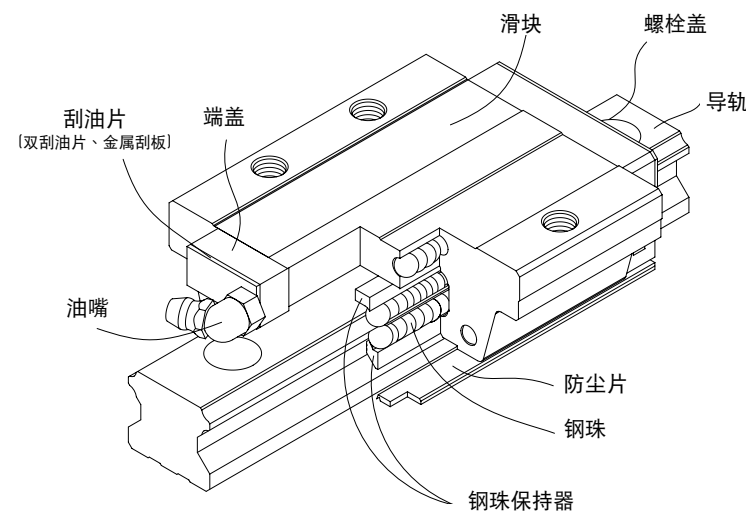
我公司历经 40 余年发展，以精密、专用、差异化产品为特色，始终坚持精益求精的技术、管理和品质准则，深耕滚针轴承细分领域，坚定不移走“专精特新”发展之路，努力拓展国内、国际市场，不断调整产品结构，不断提升技术和品质，在机床、工程机械、汽车配件，自动化等领域实赢得了众多用户的支持和信任，部分产品的性能和品质可替代进口产品，为用户提供了经济的选择，可显著降低您的生产成本。

JYU 直线导轨秉承工匠精神，拥有视野，积极学习引入制造工艺和标准，持续为中国制造添砖加瓦，为实现中国制造 2025 奉献着自己的力量。

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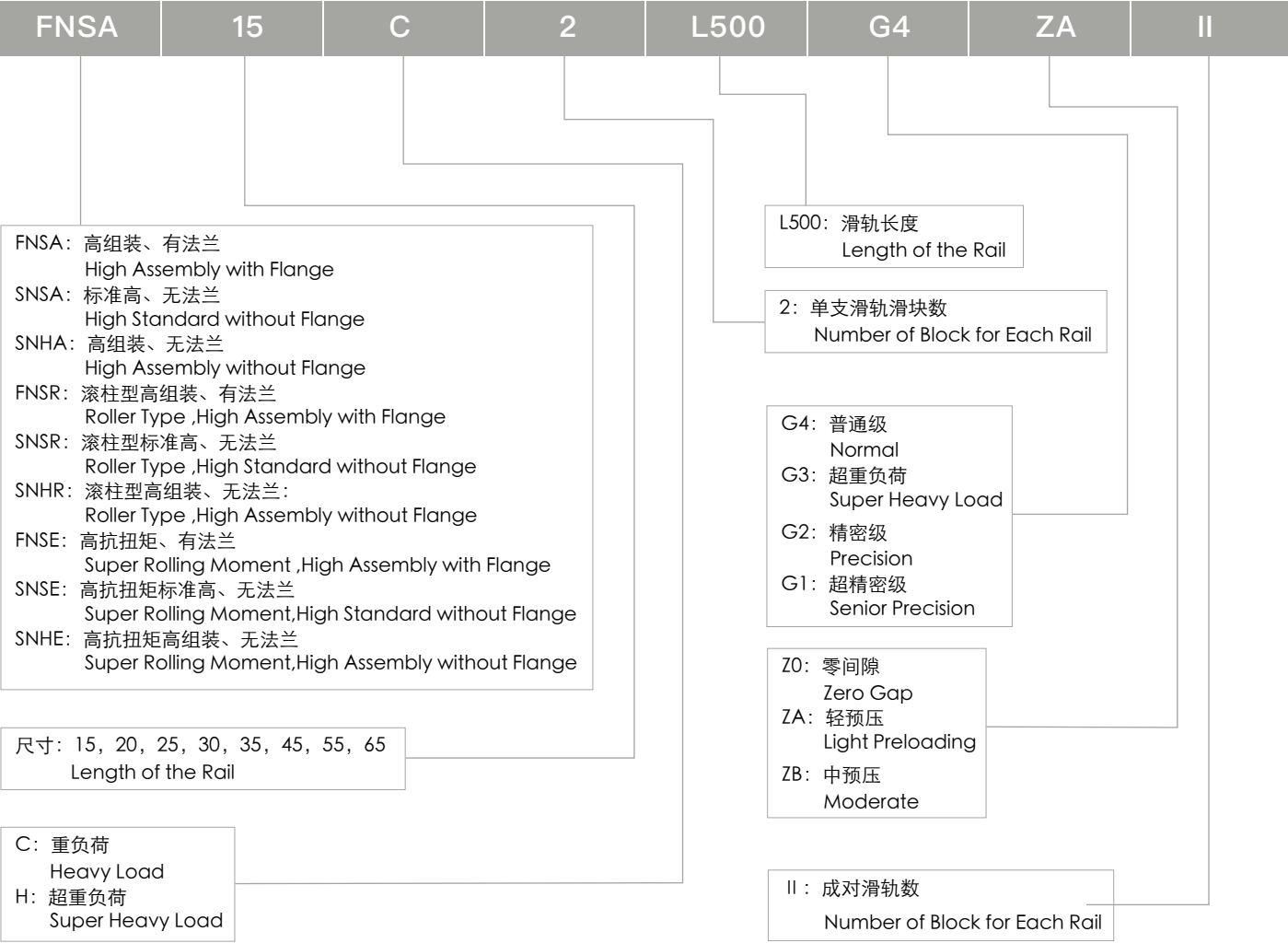
产品结构

Product Structure



线性滑轨公称型号组成

Linear Guide Model Code



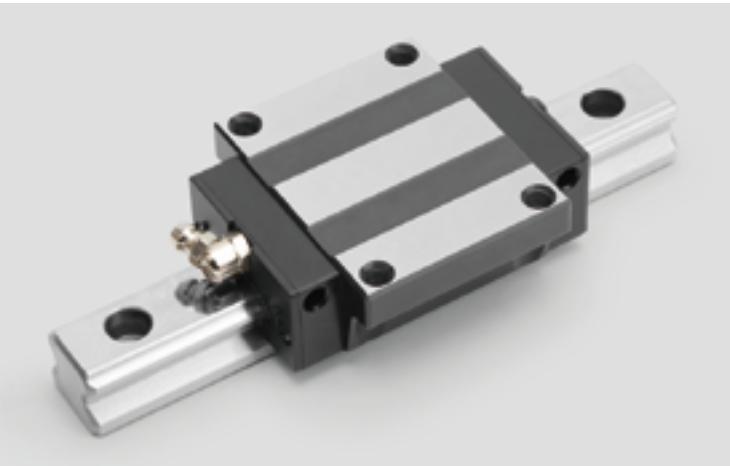
产品特点

Product Feature

• 具互换之特性
• Interchangeability

在严密的制作精度管控下，尺寸能够维持在稳定的公差内，所以对于互换型线性导轨，组装时可将滑块任意装配在同型号的滑轨上，并且保持其相同的顺畅度、预压及精度，易于组装与维修。

For the tightly control of production precision, all the size can be maintained at a stable tolerance range. So the interchange type linear guide can keep the same smoothness, preloading and precision when the block arbitrarily assemble on the same type of rail. It is very easy to assemble and repair.



• 定位精度高
• High Positioning Accuracy

使用线性滑轨作为机台引导时，由于线性滑轨的摩擦方式为滚动摩擦，摩擦系数是滑动摩擦系数的 1/50，动摩擦力与静摩擦力的差距变得很小，因此当机台运行时，不会有打滑的现象发生，可达到极高的定位精度。

When machine that vectoring by linear guide ,the friction coefficient will be 1/50 of sliding friction coefficient,as the friction method of linear guide is rolling friction, the disparity of dynamic friction and static friction will become smaller, when machine runs, there will be no slipping phenomenon and the positioning accuracy can reach very high.

• 润滑油路设计优
• Excellent Lubrication Design

专利的润滑油路设计，能够均匀的将润滑油脂注入每一个循环回路，无论各种安装方式下都可以获得最佳的润滑效果，并且提升整体的行走顺畅度与使用寿命，实现高精度、高可靠度及平滑稳定的直线运动要求。

Lubrication design patent, can evenly the lubricating grease injection Patent design of Lubricant oil-way can evenly inject lubricating grease to every loo and obtain the optimal lubrication effect under various installation method, it improves the overall running smoothness and service life to achieve the high precision,high reliability and smooth stability of linear motion requirements.

• 四方向等载荷力
• Four Direction Equal Load Capacity

JYU 导轨滚动体设计为特殊的压力角，决定其径向、反径向和水平方向可承受等额载荷。

JYU rail rolling body is to be designed with special pressure angle which make it can bear the same rated load of its radial, anti radial and horizontal direction.

产品特点

Product Feature

- 高刚性、高负荷
 - High Rigidity, High Load
- JYU 导轨采用特殊的四列圆弧沟槽设计，增大了接触面积，相对两面列式沟槽承受载荷能力、接触刚度和系统刚度都大有提高。

JYU Linear guideway is designed with four columns arc grooves which increase the contact area,compare with two cloumns groove design,it has been greatly improve on the loading capacity, contact stiffness and system rigidity.

- 高精度
 - High Precision
- JYU 导轨采用高精度特型专机多面同时磨削、激光检测等先进手段、易于保证导轨的制造精度。

JYU linear guideway is produced by high precision special plane which can polyhedrally grind at the same time, detected by laser and other advanced process.all of these guarantee the manufacturing precision of JYU linear guideway.

- 平滑、低噪音、环保无污染
 - Smoothness, Low Noise
- JYU 返向系统设计，简单圆滑的钢珠回来设计，并采用耐冲击的强化合成树脂之钢珠循环配件，运动顺畅度佳，因而达到平滑而无噪音的直线运动。

The returning device of JYU linear guide adopt a simple and lubricant ball recirculation design with shock resistant circulative accessory --strengthening synthetic resin,the smoothness of the movement is good which achieves a smooth and noiseless linear motion.

- 结构小型化
 - Compact Structure
- JYU 导轨断面和刚性达到最优化设计，断面小而刚性大，因而实现机床小型化的目的。

The section and rigidity of JYU linear guideway attain the most optimal design which is with a small section but high rigidity,thus achieve the purpose of miniaturization of machine tool.

- 安装简单
 - Easy Installation
- JYU 导轨对用户的安装基面要求低，安装、调试简单。

Low requirements of installation guide for jyu users, it is easy for installation and debugging.

- 具自动调心能力
 - With automatic self-aligning capability
- 正面组合的圆弧沟槽设计，使其具有自动调心的能力，即使给予预压也能够吸收安装误差，并维持平滑稳定、高精度的直线运动。

Arc groove design of the front combination makes the linear guideway has the ability to automatically adjust the center, even if to give preloading it can absorb installation error, and maintains a high precision,smooth and stable linear motion.

线性滑轨精度选择

Accuracy for Choose

五种精度等级供客户选用：普通级 / 高级 / 精密级 / 超精密级 / 最顶级。

JYU 滑轨的精度主要表现在三个方面：行走精度，组合尺寸精度和成对高度或宽度的相互误差 (1 轴上使用几个滑块时，或同 一平面上安装有几根轴时，规定了各型号的高度，宽度的成对相互误差)。

Five accuracy grades for choose:Normal/High/Precision/Senior Precision/Top Precision.

The accuracy of JYU series products are mainly reflected on three aspects: accuracy of running parallelism, accuracy of assembly size, accuracy of the position error of hight and width in pairs(when several blocks used on one rail or several rails install on one plane, the position error of height and width in pairs is prescriptive).

详细请参照各型号的规格表

For details please refer to the specification table

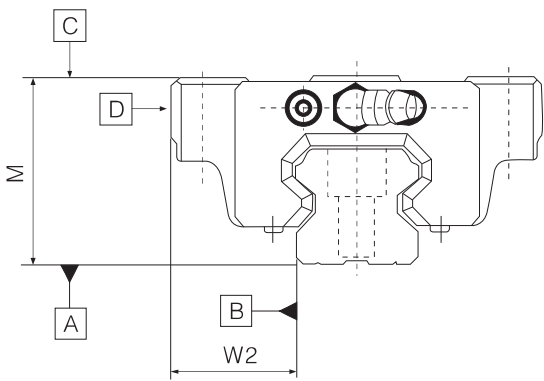
机种名 Machine Type	精度等级 Accuracy Class					机种名 Machine Type	精度等级 Accuracy Class				
	G4	G3	G2	G1	G0		G4	G3	G2	G1	G0
机械加工中心 Machining Center			O	O		直交座标型 Orthogonal Coordinate	O	O			
车床 Turning Lathe			O	O		圆柱座标型 Cylindrical Coordinate	O	O			
铣床 Boring Machine			O	O		线接合器 Line Adapter		O	O		
镗床 Boring Machine			O	O	O	探测器 Detector			O	O	
座标握床 Jig-Boring Machine				O	O	电子部件插入机 Electronic Component Insertion Machines	O	O			
磨床 Grinding Machine			O	O	O	印刷电路板开孔机 Printed Circuit Board Tapping Machine	O	O	O		
放电加工机 Electrical Discharge Machine		O	O			射出成型机 Injection Moulding Machine	O	O			
衡压机 Pressing Machine		O	O			三次元测定机 Three Dimensional Measuring Instrument			O	O	
镭射加工机 Laser Processing Machine	O	O	O			办公机器 Office Machine	O	O			
木工机 Woodworking Machine	O	O	O			搬运机器 Transmission Machine	O	O			
Nc 钻床 Nc Drilling Machine		O	O			Xy 工作台 Xy Work Table	O	O	O		
攻牙中心 Tapping Center		O	O			涂装机 Coating Machine	O	O			
集装箱交换装置 Container Switching Device	O					焊接机 Welding Machine	O	O			
ATC	O					医疗机器 Medical Machine	O	O			
线切割 Wire Electrical Discharge Machining		O	O			Digitizer	O	O	O		
砂轮修整装置 Wheel Dressing Device			O	O		检查装置 Checking Device		O	O	O	

线性滑轨精度选择

Accuracy for Choose

JYU 型形位公差及精度如 PA08 表 1、PA09 表 2 所示，各型号的精度被分为：普通型，高级，精密级，超精密级，最高级。

Geometric tolerance and accuracy of JYU type show as table 1 in page A08 and table 2 in page A09, the accuracy of each type is separated into : Normal .High, Precision.Senior Precision,Top Precision.



(表 1) Table 1

JYU 详细请参照各型号的规格表

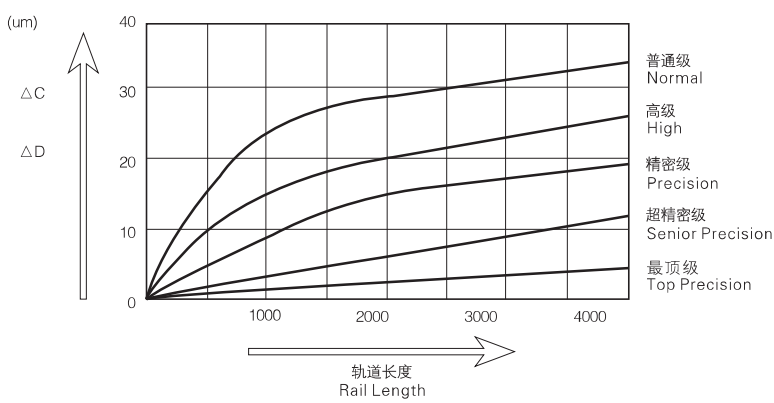
Size Accuracy Inspection of JYULinear Guide (Table 1)

单位：mm

公称型号 Machine Type	精度规格 Machine Type	普通型 Normal	高级 High	精密级 Precision	超精密级 Senior Precision	超超精密级 Top Precision
		G4	G3	G2	G1	G0
SNS15 SNS20	高度 M 的尺寸容许误差 allowable error of height size M	±0.1	±0.03	0 -0.03	0 -0.015	0 -0.008
	高度 M 的成对相互差 allowable mutual error of height size M in pairs	0.02	0.01	0.006	0.004	0.003
	宽度 W2 的尺寸容许误差 allowable error of width size W2	±0.1	±0.03	0 -0.03	0 -0.015	0 -0.008
	宽度 W2 的成对相互差 allowable mutual error of width size W2 in pairs	0.02	0.01	0.006	0.004	0.003
SNS25 SNS30 SNS35	高度 M 的尺寸容许误差 allowable error of height size M	±0.1	±0.04	0 -0.04	0 -0.02	0 -0.01
	高度 M 的成对相互差 allowable mutual error of height size M in pairs	0.02	0.015	0.007	0.005	0.003
	宽度 W2 的尺寸容许误差 allowable error of width size W2	±0.1	±0.04	0 -0.04	0 -0.02	0 -0.01
	宽度 W2 的成对相互差 allowable mutual error of width size W2 in pairs	0.02	0.015	0.007	0.005	0.003
SNS45 SNS55	高度 M 的尺寸容许误差 Laser Processing Machine	0.1	±0.05	0 -0.05	0 -0.03	0 -0.02
	高度 M 的成对相互差 allowable mutual error of height size M in pairs	0.03	0.015	0.007	0.005	0.003
	宽度 W2 的尺寸容许误差 allowable error of width size W2	±0.1	±0.05	0 -0.05	0 -0.03	0 -0.02
	宽度 W2 的成对相互差 allowable mutual error of width size W2 in pairs	0.03	0.02	0.01	0.007	0.005
SNS65 SNS85	高度 M 的尺寸容许误差 allowable error of height size M	±0.8	±0.04	0 -0.05	0 -0.04	0 -0.03
	高度 M 的成对相互差 allowable mutual error of height size M in pairs	0.03	0.02	0.01	0.007	0.005
	宽度 W2 的尺寸容许误差 allowable error of width size W2	±0.08	±0.04	0 -0.05	0 -0.04	0 -0.03
	宽度 W2 的成对相互差 allowable mutual error of width size W2 in pairs	0.03	0.02	0.01	0.007	0.005

线性滑轨精度选择

Accuracy for Choose



(表 2) Table 2

滑轨长 Rail Length	行走平行度值 (μm) Running Paralleism Value					
含以上 Above	以下 Below	G4	G3	G2	G1	G0
0	315	9	6	3	2	1.5
315	399	11	8	4	2	1.5
400	499	13	9	5	2	1.5
500	629	16	11	6	2.5	1.5
630	799	18	12	7	3	2
800	1000	20	14	8	4	2
1001	1249	22	16	10	5	2.5
1250	1599	25	18	11	6	3
1600	1999	28	20	13	7	3.5
2000	2499	30	22	15	8	4
2500	2999	32	24	16	9	4.5
3000	3499	33	25	17	11	5
3500	4000	34	28	18	12	6

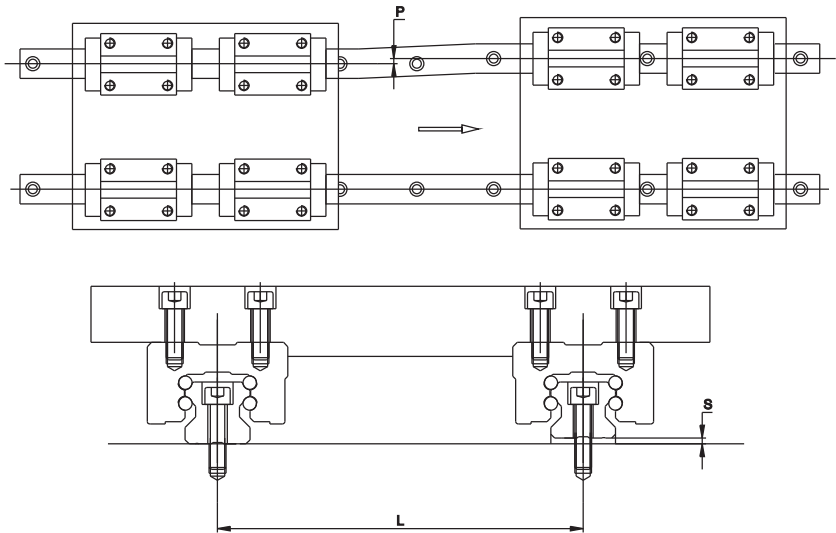
线性滑轨精度选择

Installation Accuracy of Linear Guide

- 滑轨安装面容许误差
- The allowable error of linear guide installation

JYU 导轨系列产品的滑块具有自动调心的特性，即使安装面稍有加工误差，根据导轨的预压等级不同，如能符合下表的容许误差值内，都能获得顺畅的直线运动。这就是 JYU 导轨系列产品所具有的特殊优点。

The block of JYU series has the ability to automatically adjust the center, even if the installation face has a little error, it can still have the smoothly linear motion according different pre-load (such as to meet the following allowable error range). This is the special advantages of JYU series linear guide products.



二轴左右平行度误差容许值

Allowable error of parallelism of right and left

单位：μm

预压等级 Pre-load	中预压 Moderate Preloading	轻预压 Light preload	普通 Normal
	ZB	ZA	ZO
SNS			
15	—	18	25
20	18	20	25
25	20	22	30
30	27	30	40
35	30	35	50
45	35	40	60
55	45	50	70
65	55	60	80
85	70	75	90

二轴上下水平高度误差容许值

Allowable error of horizontal height of up and down

单位：μm

预压等级 Pre-load	中预压 Moderate Preloading	轻预压 Light preload	普通 Normal
	ZB	ZA	ZO
SNS			
15	—	85	130
20	50	85	130
25	70	85	130
30	90	110	170
35	120	150	210
45	140	170	250
55	170	210	300
65	200	250	350
85	240	290	400

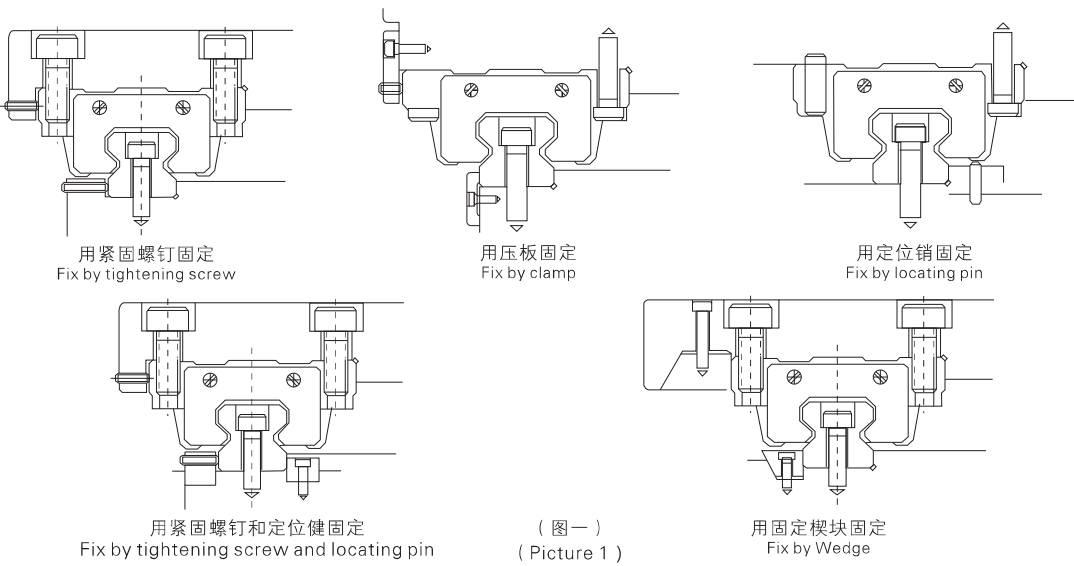
注：轴间距离 500mm 时容许值与 L 成正比

Note: when the distance of two rails is 500mm, the error allowable value is proportional to L

导轨副连接基准面结构形式

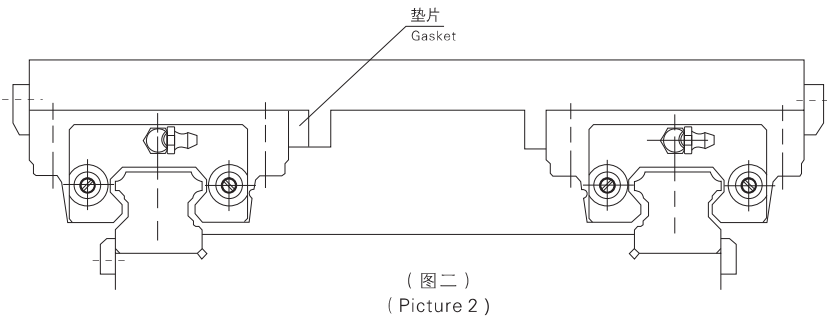
Structure of Connective Datum of Linear Guide

- 导轨副连接基准面的结构形式
- Structure of Connective Datum of Linear Guide



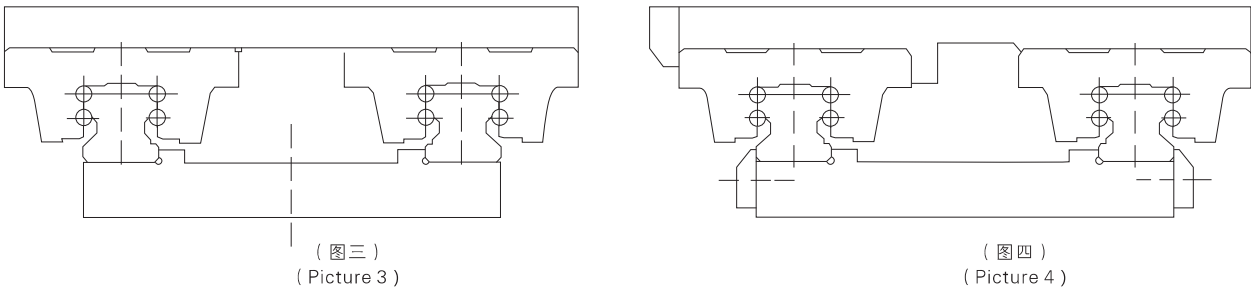
1. 在同一平面安装两根导轨时，如所受的负载为冲击载荷且精度要求高，两根导轨侧面都应有定位面，滑块侧面也应设置 定位面，如图一所示

When install two rails on one surface, both of the rails and blocks should have the locating surface if the load type is impact load and requirement of the precision is high, as that shows in picture 1



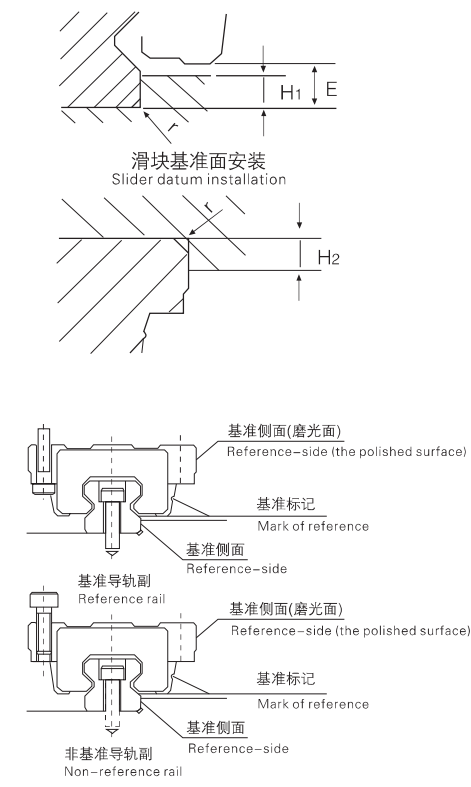
2. 图三，图四所示为最常用的安装方式

Picture 3 and picture 4 is the normal installation method



安装基面的台阶高度及倒三角形式导轨基准面安装

Height and Chamfering of Installation Platform



将滑块和导轨安装在床身和工作台时，为使滑块和导轨不与基础发生干涉，按表 -10 中的 R 值加工成清角槽。

First,When install the block and rail to lathr or work table, it should undercut a groove to avoid the block and rail interfere with the reference surface(table-10).

其次认清导轨副安装时所需的基准侧面。

Second, know clearly about the reference-side when installation.

规格 Model	倒角 (r) Chamfer(r)	基面肩高 (H1) platform height(H1)	基面肩高 (H2) platform height(H2)	E
SNS15	≤ 0.3	3.5	4	4.5
SNS20	≤ 0.5	4	4.5	5
SNS25	≤ 0.5	5	6	6.5
SNS30	≤ 0.5	6	6	7
SNS35	≤ 0.5	7	6	10
SNS45	≤ 0.7	8	8	11
SNS55	≤ 0.7	11	8	13
SNS65	≤ 1.0	12	10	14
SNS&8	≤ 1.0	132	12	16

线性滑轨副的安装调整

Installation and Adjustment of Linear Guide

1、安装与使用

Installation and Use

请小心轻拿轻放，避免磕碰以影响导轨副的直线精度。不允许将滑块拆离导轨或超过行程又推回去。若因安装困难，需要拆下滑块，可向我公司订购引导轨。（引导轨是一种装配辅助工具，其实际尺寸比导轨小一号。需要时，可将导轨与引导轨的端头对接，把滑块从导轨推到引导轨上，当导轨安装好后，再将滑块从引导轨推到导轨上，注意基准方向）。

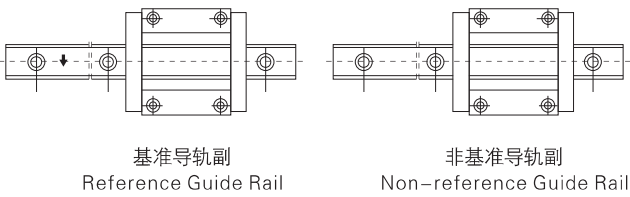
Please Handling the products gently to avoid to influence of the precision of the linear guide. The block is not allowed to detach the rail or or push back to the rail when it is over stroke. If the block need to dismantl from the rail because of the difficulty assembly, you can order the fake rail from us.(fake rail is a Auxiliary tools which has a smaller size than the guide rail. When dismantle the block, firstly joint the end of fake rail and guide rail, then push the block from the guide rail to fake rail. When the guide rail is assembly, push the block from the fake rail back to the guide rail, pay attention of the reference direction when do these steps)

2、安装注意事项

Installation Caution

首先正确区分基准导轨副与非基准导轨副（基准导轨上有 HD 的标记，滑块上有磨光的基准侧面）（见图）。

When install the products distinguish the reference guide rail and non-reference guide rail clearly(the reference guide rail has the reference mark and the block has a reference-side polished surface.



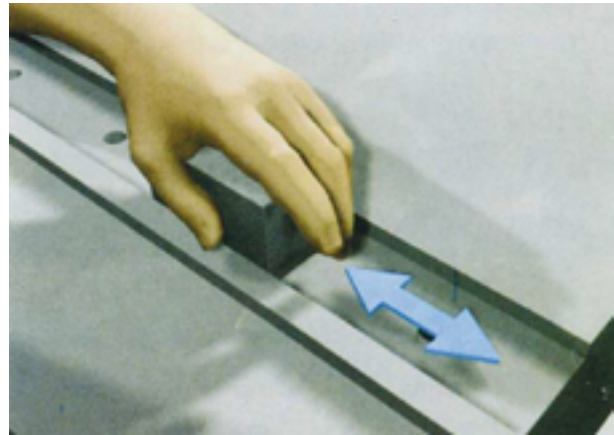
线性滑轨副的安装调整

Installation and Adjustment of Linear Guide

3、滑轨副的基本安装步骤

Installation Step of Guideway

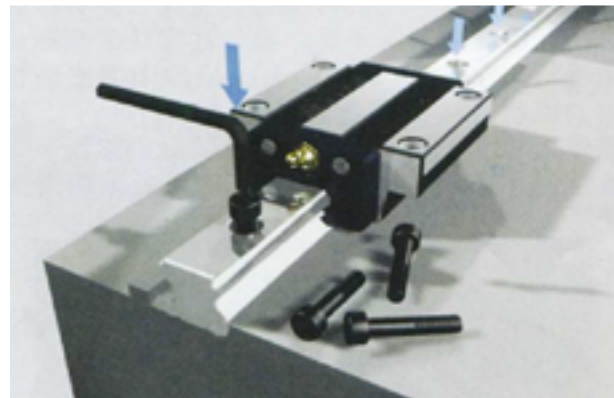
A、检查装配面
Check the mounting surface



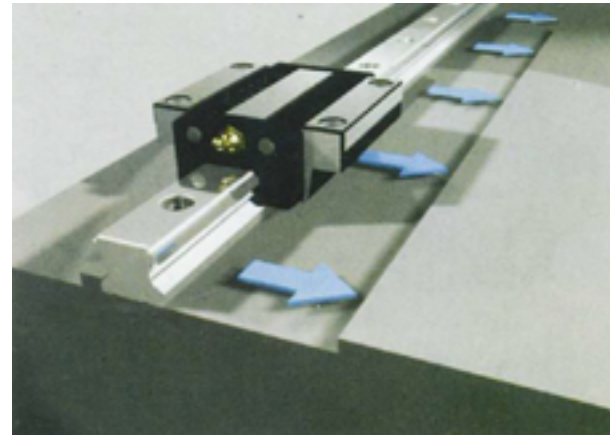
C、检查螺栓的位置，确认螺纹位置正确
Check the position of the bolt hole, to determine the correct position



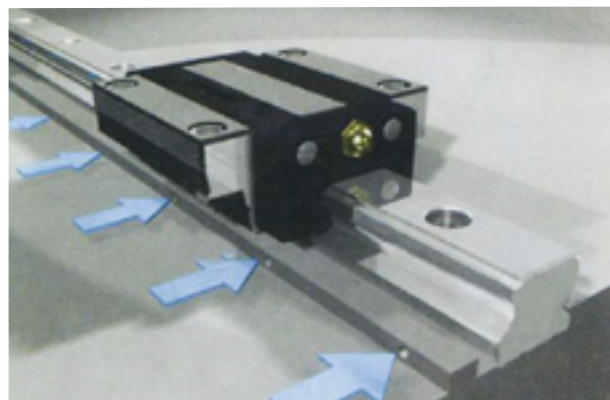
E、最终拧紧安装螺栓
Finally screw down the bolt



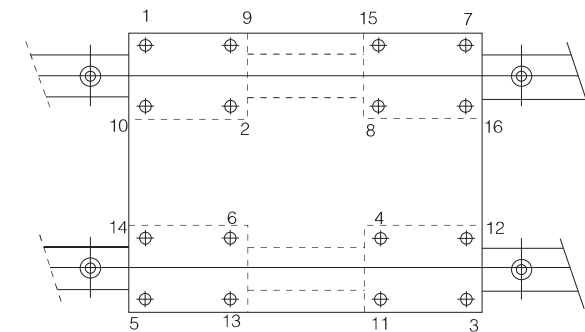
B、设置滑轨的基准侧面与安装台阶的基准侧面相对
Set the reference-side of guideway opposite to the reference side of installing step.



D、预紧固定螺钉，使滑轨基准面与安装台阶侧面紧密相接
Preloading to fix the bolt, make the reference-side of guideway closely connect to the side of installing step



F、依次拧紧滑块的紧固螺钉
Tightened the fastening screws of block in turn



线性滑轨副的安装调整

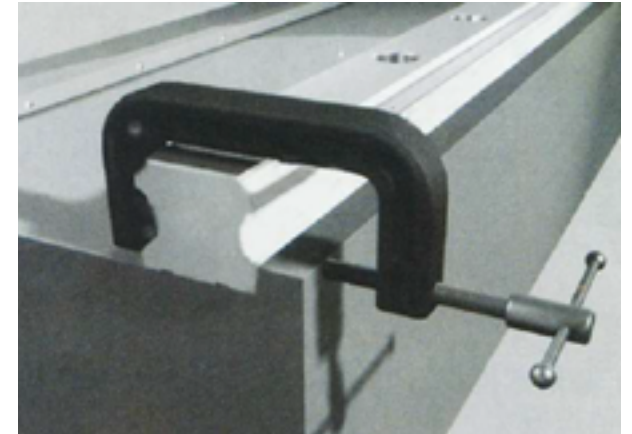
Installation and Adjustment of Linear Guide

4、基准滑轨副的安装方法（有下述两种方法）

Installation methods of reference linear rail(two ways for choose as following)

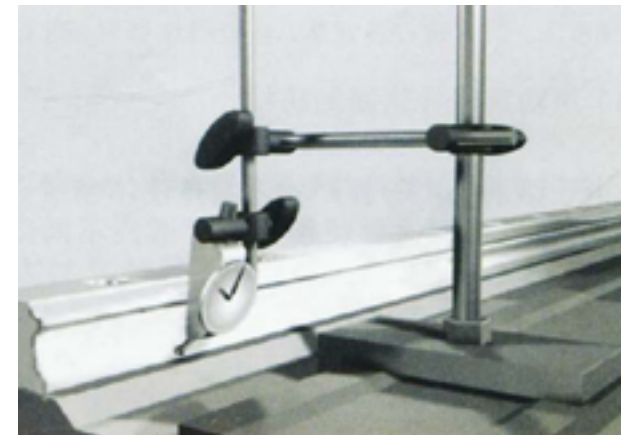
A. 利用 U 型夹头将滑轨的基准侧面与安装台阶的基准侧面夹紧，然后在该处用固定螺栓拧紧（建议采用配攻螺纹孔），由一端开始，一次将滑轨固定。

To use a U-type grip holder to clamp the reference surface of rail and reference side surface of installation step, then use the fixed bolt to tighten the rail(tapping hole is suggested), it should fix in turn from one end to the other end.



B. 无安装台阶时，将滑轨一端固定后，按图 -9 所示方法将表针靠在滑轨的基准侧面，以直线块规为基准，自滑轨的一端开始读取指针值校准直线度，并以此将导轨固定。

When there is not installation step, first fixed one end of the rail, then according to the following picture, lean the gauge on the reference surface of the rail, adjust the linear accuracy from the guage then fix the rail in turn.

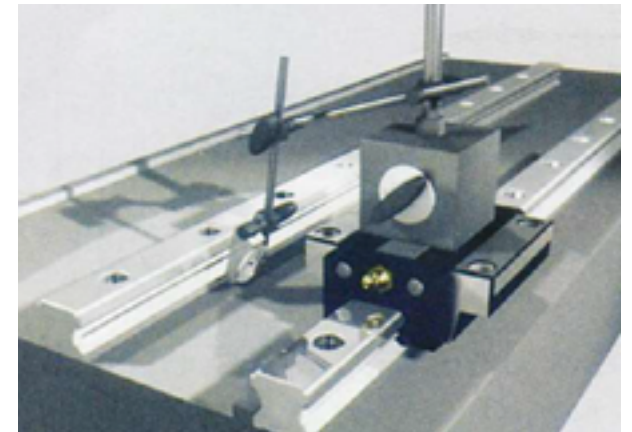


5、非基准滑轨副的安装方法

Installation Methods of Non-reference Linear Guide

如图所示，将吸铁表固定在基准滑轨副的滑块上，从导轨的一端读取平行度一面顺次将非基准滑轨副固定好。

As showed in the picture. Fix the Iron absorption meter onto the block. Read the parallelism and then fixed the non-reference rail in turn.



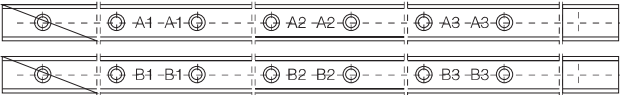
线性滑轨副的安装调整

Installation and Adjustment of Linear Guide

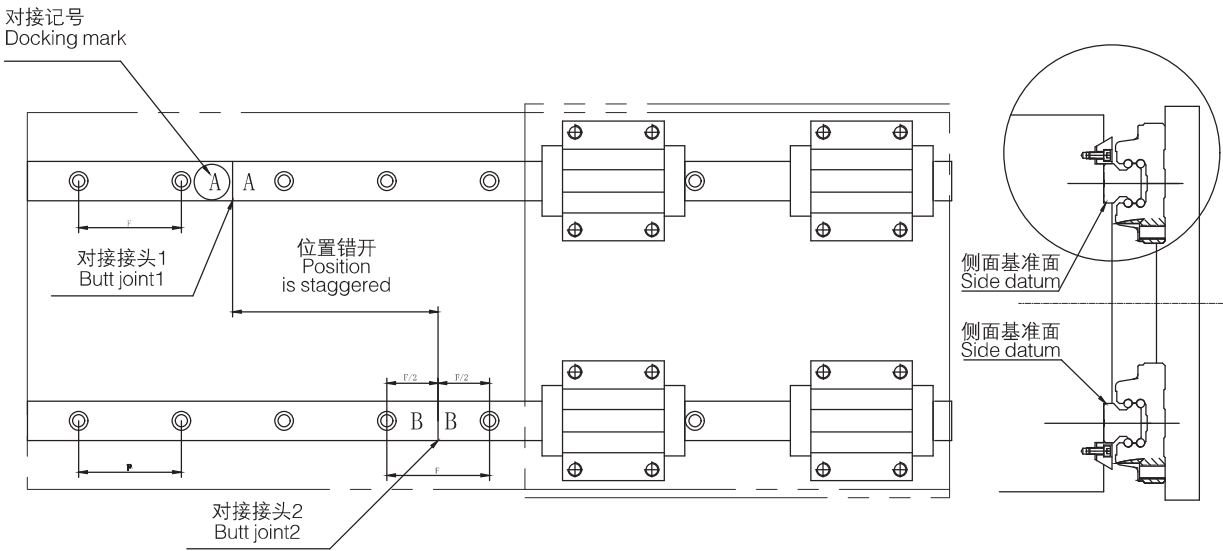
6、接长滑轨副的区分
Distinction of the Lengthened Linear Guide Rail

当使用接长导轨时，我们采用同一套滑轨副编同一英文大写字母，连续阿拉伯数字表示链接顺序，对接端头由同一阿拉伯数字相连（如图）

When rail that need to joint to be lengthened, we will write the same capital on one set rail, and the continuous Arabic numerals to indicate the joint sequence, the joint end mark the same arabic number (as showed in picture)



6、接长滑轨副的区分
Distinction of the Lengthened Linear Guide Rail



- 1、导轨安装基本面应该有基准面和侧面基准面。
- 2、对接部分按照对接记号拼接对接接头应该错开安装。
- 3、导轨安装时侧面基准面安装时应该施加压力，使其确保和侧面基准面吻合。（具体安装示意图如图 1、图 2 所示）

- 1.rail mounting base should have a base and side datum.
- 2.the docking part in accordance with the docking mark stitching docking connector should be staggered to install.
- 3.rail installation side of the base surface should be installed when the pressure to ensure that the side surface and ensure that the surface coincide. (Specific installation diagram shown in Figure 1, Figure 2)

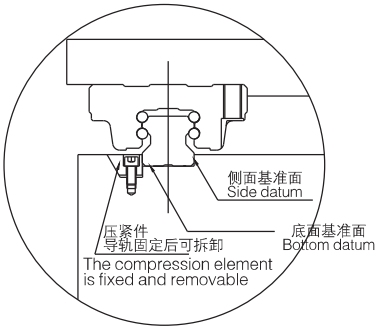


图1
figure 1

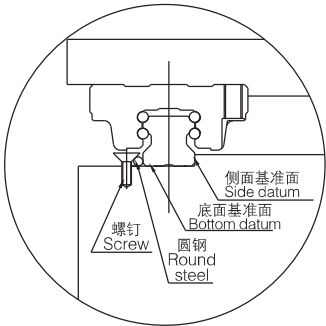


图2
figure 2

线性滑轨副的安装调整

Installation and Adjustment of Linear Guide

8、紧固螺栓时，建议采用恒扭矩扳手并按表推荐扭矩值进行安装
When tightening the bolt, should use a constant torque wrench and install as the recommend torque value as the following table:

螺钉公称尺寸 screw model no	M4	M5	M6	M8	M10	M12	M16
扭矩值 torque value	2.6–4.0	5.1–8.5	8.7–14	21.6–30.5	42.2–67.5	73.5–118	178–295

9、线性滑轨副的防护
Protection of Rolling Linear Guide

由于线性滑轨副的应用范围不断增大，各种工况，场合都需要使用，为了适应不同用户的密封防护要求，特设计成如下各种密封方式选用，在订货时请予以区分。

Because of the scope of application of linear guide is expanded,various conditions, applications are required to use, in order to adapt to different user' s requirements of seal protection, special designed as following various sealing mode is for select, please distinguishing when make the order.

若工作环境很恶劣，且空间允许，除利用滑轨的密封外，还适应考虑增加防尘“皮老虎”装置（如图）

If the work environment is very bad, and the space allow, in addition to make use of to play tricks of seal completely, also adapt to consideration increment the dust palliative"skin tiger" device(is like diagram)

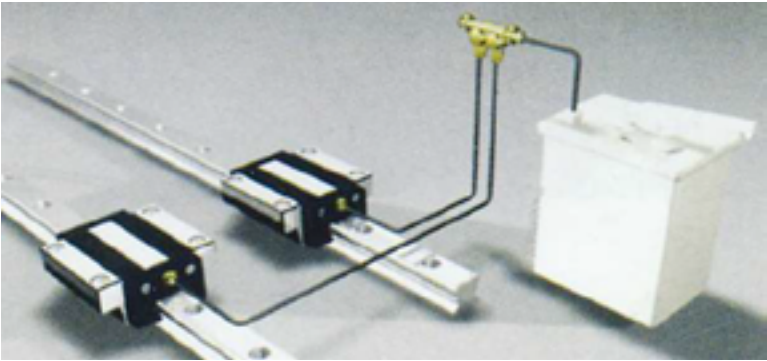


10、线性滑轨副的润滑

The Lubrication of Rolling Linear Guide

线性滑轨副的润滑的主要目的是减少摩擦和磨损以防止 过热，破坏其内部结构，影响导轨副的运动功能。线性滑轨 副在出厂之前均已经填注了低噪音高级润滑脂，以保证滚珠 在运行过程中的良好润滑，但为了避免因润滑损耗造成的润 滑不足，建议在滑块实际总运行行程 50km 时候定期补充。当 线性滑轨副的运行速度为高速时 ($V \geq 35\text{m/min}$), 推荐使用 N32 润滑或接由管强制润滑 (如图)。低俗时 ($V \leq 35\text{m/min}$) 推 荐使用锂基润滑脂润滑。

The main purpose of linear guide lubrication is to reduce friction and wear in order to prevent overheating from destruction of its internal structure which will effect the motor function of linear guide. Rolling linear guide have been filled with high lubricating grease prior to shippment, to ensure good lubrication during operation, but in order to avoid the loss of lubrication caused by the lack of lubrication , recommend a regular supplement when the slider stroke is 50km . When the rounning speed of linear guide is for high speed ($V \geq 35\text{m/min}$), recommend to use of N32 lubrication or connect by pipe to forced lubrication (show as in picture). For low speed ($V \leq 35\text{m/min}$) .recommend to use the lithium lubricating grease



(低俗应用场合，严禁在线性滑轨副安装前用汽油将滚动滑块内部的润滑脂清洗掉，以免出厂之前增加的润滑脂失效)

When used in Low speed occasion, it is strictly prohibited to cleaned the lubrication of the internallinear block by the gasoling before installation to avoid the falure of lubrication that add prior to shippment.

线性滑轨防尘配件

Linear Slide Dustproof Accessories

在有粉尘，铁屑的环境中，如果在滑块直线运动系统中有异物进入，则可能导致滑块内部异常磨损，缩短使用寿命，并会影响滑块直线运动的顺畅度，因此必须采取措施，防止异物的进入。

防尘系列产品是针对于存在粉尘、木屑、铁屑等杂质的环境，产品配置了高度防尘作用的防尘配件，客户若有在以上类似环境中使用的滑轨、滑块，要求防尘配置需求时，请在产品滑块类型编号后面加密封代号。

In the presence of dust and iron, if there is foreign matter in the linear motion system of the slider, it may cause abnormal wear inside the slider, shorten the service life and affect the smoothness of the linear motion of the slider. Measures to prevent the entry of foreign matter.

Dust-proof products are for the existence of dust, wood chips, iron and other impurities in the bad environment, the product configuration of a high degree of dust-proof dust-proof accessories, if customers in the above environment similar to the use of slides, When the dust is configured, add a seal code after the product slider type number.

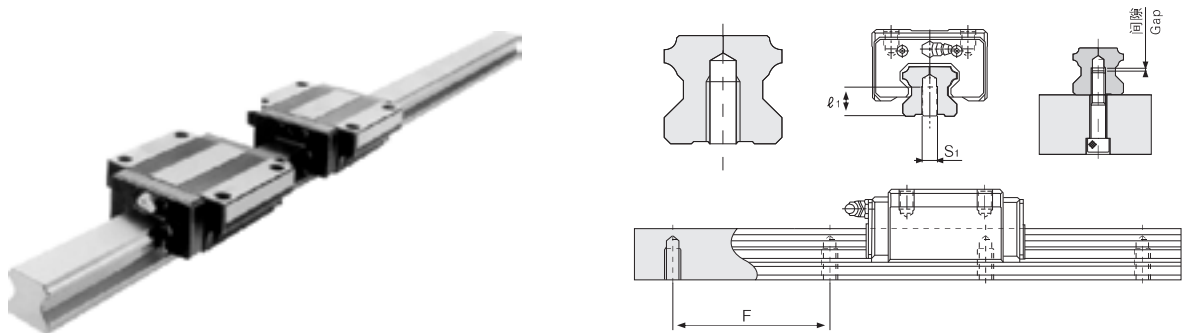
密封代号 Seal code	密封方式 Sealing method	防尘配件 Dustproof accessories	应用场合 Application
U	端密封 End seal	刮屑板 Scraper board	精密检测仪器等无尘环境 Precision detection equipment and other dust-free environment
UU	端密封 + 底部密封 End seal + Bottom seal	刮屑板 + 底部防尘片 Scraper board + Bottom dust film	常规密封场合 Conventional sealing occasions
UX	端密封 + 金属刮板 End seal + Metal scraper	刮屑板 + 金属刮板 Scraper board + Metal scraper	有铁屑、火花等场合 There are iron, sparks and other occasions
UUX	端密封 + 金属刮板 + 底部密封 End seal + Metal scraper + Bottom seal	刮屑板 + 金属刮板 + 底部防尘片 Scraper board + Metal scraper+Bottom dust film	有粉尘、铁屑、火花。杂质等场合 There is dust, iron, sparks. Impurities and other occasions

注：其中 U 密封形式为常规密封形式，在订货时可不标注。

Note: Where U sealed form for the conventional seal form, when the order can not be marked.

底面螺纹孔 SNS 型线性滑轨副

SNS Series LinearGuidewith Bottom InstallationThread Hole



SNS 型线性滑轨副中包括下图所示类型，它的导轨底面上加工了螺纹安装孔。当需要从底部安装线性滑轨副，以及需要提高防尘性能时，这种线性滑轨副更加适用。

- 1. 选择螺栓长度，保证在螺栓端部和螺纹底部 (有效螺纹深度) 之间有 2 到 5mm 的间隙。(参见上图)
- 2. 有关螺纹的标准螺距 F 尺寸请参看第 23 页表格的 F 节距。
- 3. 定导轨底部有螺纹安装孔的需在导轨长度后 + “U” 代号。例: SNS15L500-U

SNS series linear guide includ the follow type linear rail which is processed the threaded installation holes at the bottom of the rail. It is more suitable for that need to install the rolling linear guide from the bottom or improve the dustproof performance.

When select the length of the bolt, the end of the bolt and the bottom of the thread (the effective depth of thread) need to have a gap of 2 to 5 mm (refer to the above picture)

Standard pitch of thread F size please refer to the table of page 23 — Pitch F.

型号 Model	S ₁	有效螺纹深度 Effective depth of thread e ₁
SNS15	M5	8
SNS20	M6	10
SNS25	M6	12
SNS30	M8	15
SNS35	M8	17
SNS45	M12	24
SNS55	M14	24
SNS65	M20	30

G 值规格参数

Specification of G Figure

对 G 值的推荐范围

Recommend Range of G

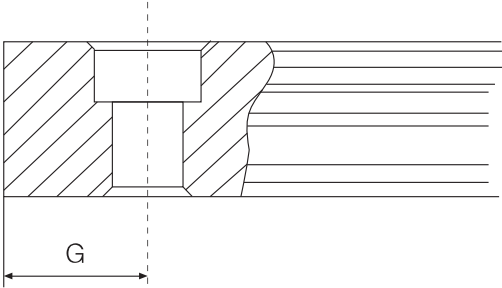
G 值过小，则影响导轨端部平刮孔的加工；

G 值过大，则影响导轨端部处的稳定性和精度。 根据实际使用情况，对用户推荐如下尺寸：

Too small for G value will affect to machine the flat wiper hole of the rail end

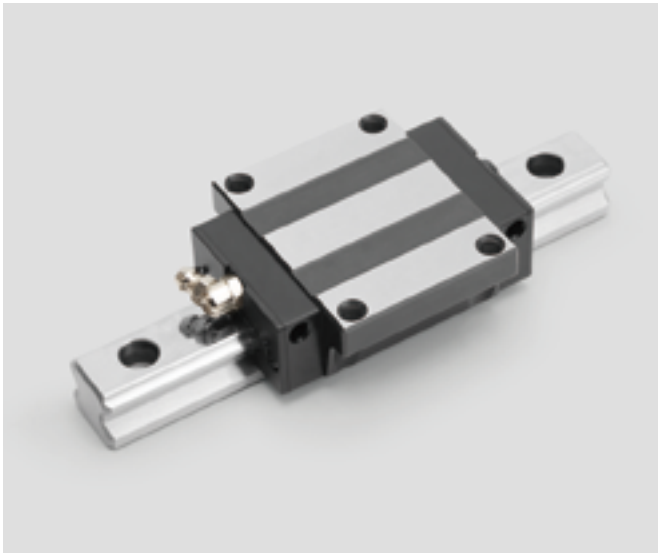
Too big for G value will affect the stability and accuracy of the rail end

According to the actual usage, recommend the following dimensions to the user.

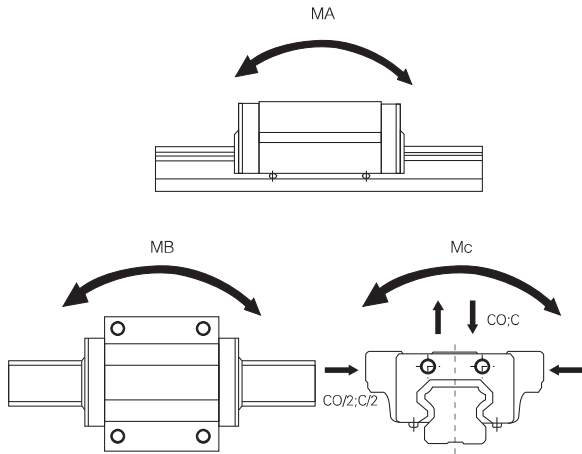


G	最小值 Min size	最大值 Max size	推荐值 Recommend size
SNS15	6	30	20
SNS20	8	30	20
SNS25	9	30	20
SNS30	11	40	20
SNS35	11	40	20
SNS45	14	50	25
SNS55	16	60	30
SNS65	16	75	35
SNS85	21	90	45

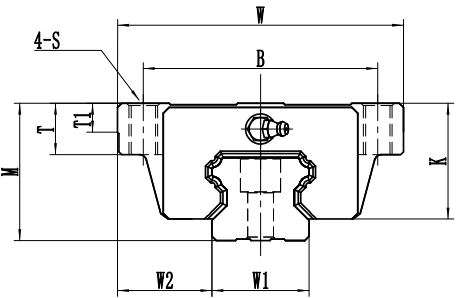
FNSA 线性滑轨系列规格参数（高组装）
Specification of FNSA Series (High Assembly)



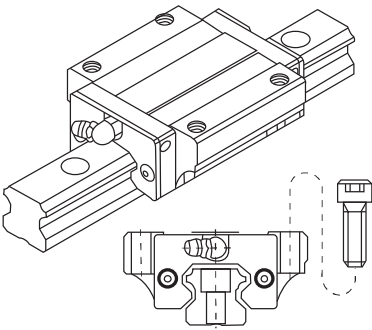
FNSA-C 型 FNSA-H 型



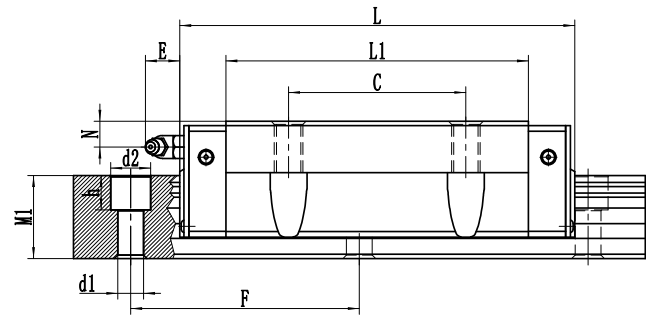
FNSA-C 型 FNSA-H 型



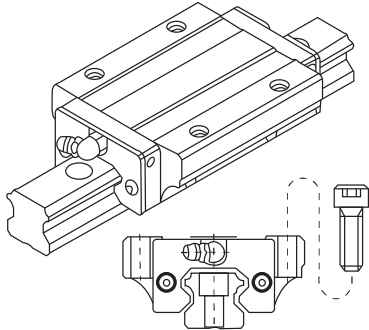
FNSA-C 型



在滑块的法兰部加工了螺纹安装孔可以使用较长的螺栓
The flange part is produced with the threaded installation hole which can use the long screw bolt



FNSA-H 型



具有与 FNSA-C 相同的横截面形状，力口长了滑块的全长，提升 了额定负荷能力

Same cross section to FNSA—C, lengthened the block' 's length, enhance the rated load capacity

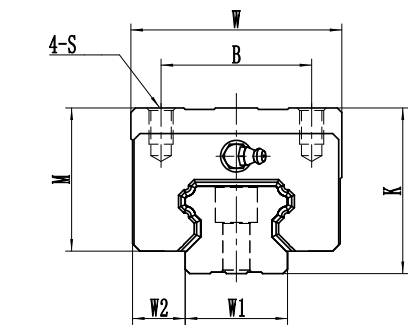
型号 Model	导轨尺寸 Rail Dimension			滑块尺寸 Block Dimension									油嘴规格 Grease Nipple Specification
	高度 M Height M	宽度 W Wight W	长度 L Length L	B	C	S	L ₁	T	T ₁	K	N	E	
FNSA15C	24	47	61.8	38	30	M5	39.8	8.5	8.5	20	4.3	5.5	G-M4
FNSA20C	30	63	77.4	53	40	M6	50.8	10	10	26	5	12	G-M6
FNSA20H	30	63	93.4	53	40	M6	66.8	10	10	26	5	12	G-M6
FNSA25C	36	70	83.5	57	45	M8	59.5	16	12	30.5	6	12	G-M6
FNSA25H	36	70	102.6	57	45	M8	78.6	16	12	30.5	6	12	G-M6
FNSA30C	42	90	100.5	72	52	M10	70.5	18	12	35	7	12	G-M6
FNSA30H	42	90	123	72	52	M10	93	18	12	35	7	12	G-M6
FNSA35C	48	100	113.9	82	62	M10	80.5	20	14	39.5	8	12	G-M6
FNSA35H	48	100	139.2	82	62	M10	105.8	20	14	39.5	8	12	G-M6
FNSA45C	60	120	138.5	100	80	M12	97.7	22	15	51	10	16	G-PT1/8
FNSA45H	60	120	169.5	100	80	M12	128.7	22	15	51	10	16	G-PT1/8
FNSA55C	70	140	163	116	95	M14	118	29	15	57	11	16	G-PT1/8
FNSA55H	70	140	201	116	95	M14	156.1	29	15	57	11	16	G-PT1/8
FNSA65C	90	170	186	142	110	M16	147	37	23	76	19	16	G-PT1/8
FNSA65H	90	170	246	142	110	M16	206.5	37	23	76	19	16	G-PT1/8
FNSA85C	110	215	247	185	140	M20	178.6	55	30	94	23	16	G-PT1/8
FNSA85H	110	215	303	185	140	M20	236	55	30	94	23	16	G-PT1/8

型号 Model	导轨尺寸 Rail Dimension			基本额定负荷 Basic Load Rating				重量 Weight	
	宽度 W ₁ MWidth W ₁	W ₂	高度 M ₁ HeightM ₁	节距 F Pitch F	d ₁ x d ₂ x h	C (KN)	CO (KN)	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
FNSA15C	15	16	15	60	4.5 x 7.5 x 5.3	8.33	13.5	0.19	1.5
FNSA20C	20	21.5	18	60	6 x 9.5 x 8.5	13.8	23.8	0.42	2.3
FNSA20H	20	21.5	18	60	6 x 9.5 x 8.5	21.3	31.8	0.53	2.3
FNSA25C	23	23.5	22	60	7x11 x9	19.9	34.4	0.64	3.3
FNSA25H	23	23.5	22	60	7x11 x9	27.2	45.9	0.83	3.3
FNSA30C	28	31	26	80	9x14x12	28	46.8	1.11	4.8
FNSA30H	28	31	26	80	9x14x12	37.3	62.5	1.46	4.8
FNSA35C	34	33	29	80	9x14x12	37.3	61.1	1.62	6.6
FNSA35H	34	33	29	80	9x14x12	50.2	81.5	2.08	6.6
FNSA45C	45	37.5	38	105	14x20x17	60	95.6	2.88	11
FNSA45H	45	37.5	38	105	14x20x17	80.4	127	3.3	11
FNSA55C	53	43.5	44	120	16x23x20	88.5	137	4.5	15.1
FNSA55H	53	43.5	44	120	16x23x20	119	183	5.7	15.1
FNSA65C	63	53.5	53	150	18x26x22	141	215	8.5	22.5
FNSA65H	63	53.5	53	150	18x26x22	192	286	10.7	22.5
FNSA85C	85	65	65	180	24 x 35 x 28	210	310	17	35.2
FNSA85H	85	65	65	180	24 x 35 x 28	282	412	23	35.2

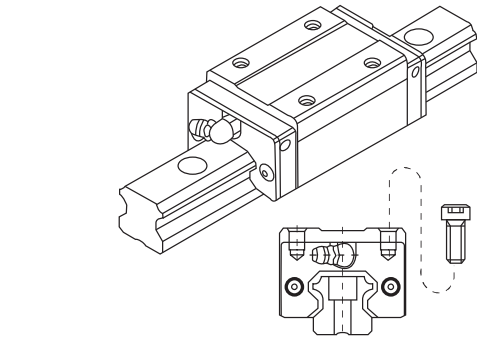
SNHA 线性滑轨系列规格参数（高组装）
Specification of SNHA Series (High Assembly)



SNHA-C 型 SNHA-H 型



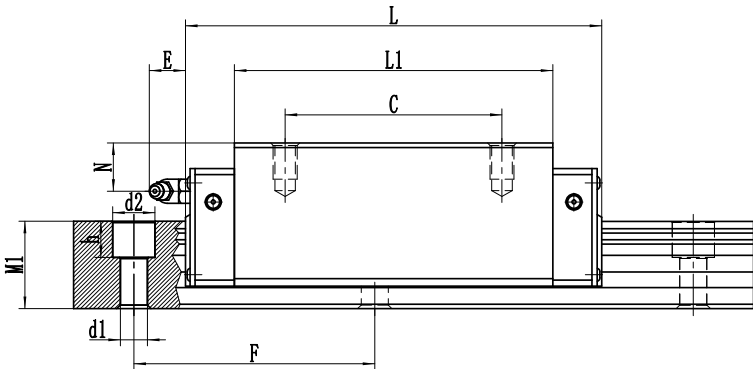
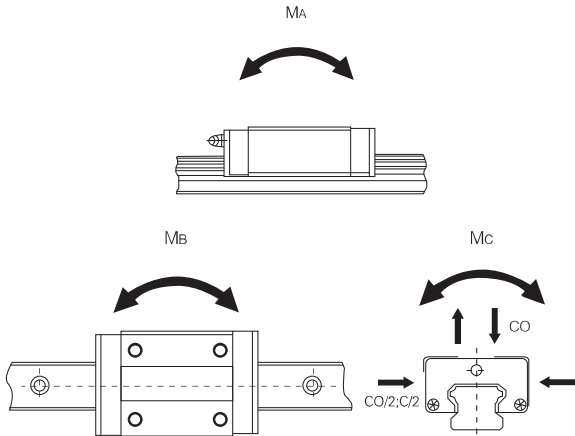
SNHA-C 型



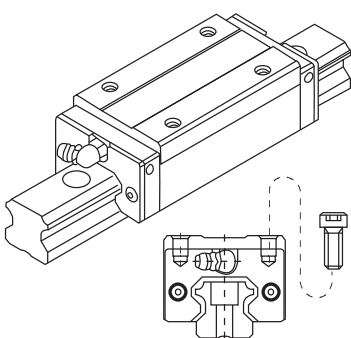
SNHA-C 型缩小了滑块的宽度此型号最适用于紧凑结构设计

SNHA-C Type Block reduce the width of the block which is suitable for the compact structure

SNHA-C 型 SNHA-H 型



SNHA-H 型



具有与 SNHA-C 相同的横截面形状，加长了滑块的全长，提升了额定负荷能力

Same cross section toSNHA-C , lengthened the block5 s length, enhance the rated load capacity

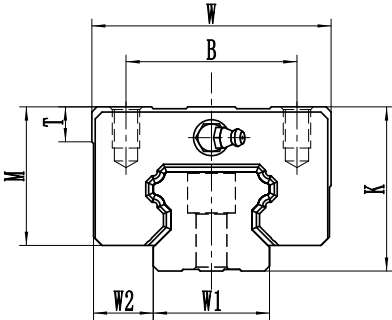
型号 Model	导轨尺寸 Rail Dimension			滑块尺寸 Block Dimension								油嘴规格 Grease Nipple Specification
	高度 M Height M	宽度 W Wight W	长度 L Length L	B	C	S	L ₁	T	K	N	E	
SNHA15C	28	34	61.8	26	26	M4x0.7x5	39.8	6	24	4.3	5.5	G-M4
SNHA20C	30	44	77.4	32	36	M5x0.8x6	50.8	8	26	5	12	G-M6
SNHA20H	30	44	93.4	32	50	M5x0.8x6	66.8	8	26	5	12	G-M6
SNHA25C	40	48	83.5	35	35	M6x8	59.5	10	34.5	10	12	G-M6
SNHA25H	40	48	102.6	35	50	M6x8	78.6	10	34.5	10	12	G-M6
SNHA30C	45	60	100.5	40	40	M8x10	70.5	12	38	10	12	G-M6
SNHA30H	45	60	123	40	60	M8x10	93	12	38	10	12	G-M6
SNHA35C	55	70	113.9	50	50	M8x12	80.5	12	47.5	15	12	G-M6
SNHA35H	55	70	139.2	50	72	M8x12	105.8	12	47.5	15	12	G-M6
SNHA45C	70	86	138.5	60	60	M10x17	97.7	15	61	20	16	G-PT1/8
SNHA45H	70	86	169.5	60	80	M10x17	128.7	15	61	20	16	G-PT1/8
SNHA55C	80	100	163	75	75	M12x18	118	18	67	21	16	G-PT1/8
SNHA55H	80	100	201	75	95	M12x18	156.1	18	67	21	16	G-PT1/8
SNHA65C	90	126	186	76	70	M16x20	147	23	76	19	16	G-PT1/8
SNHA65H	90	126	246	76	120	M16x20	206.5	23	76	19	16	G-PT1/8
SNHA85C	110	156	247	100	80	M18x25	178.6	30	94	23	16	G-PT1/8
SNHA85H	110	156	303	100	140	M18x25	236	30	94	23	16	G-PT1/8

型号 Model	导轨尺寸 Rail Dimension			基本额定负荷 Basic Load Rating				重量 Weight	
	宽度 W ₁ MWidth W ₁	W ₂	高度 M ₁ HeightM ₁	节距 F Pitch F	d ₁ x d ₂ x h	C (KN)	CO (KN)	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
SNHA15C	15	9.5	15	60	4.5 x 7.5 x 5.3	8.33	13.5	0.2	1.5
SNHA20C	20	12	18	60	6 x 9.5 x 8.5	13.8	23.8	0.34	2.3
SNHA20H	20	12	18	60	6 x 9.5 x 8.5	21.3	31.8	0.43	2.3
SNHA25C	23	12.5	22	60	7x11 x9	19.9	34.4	0.56	3.3
SNHA25H	23	12.5	22	60	7x11x9	27.2	45.9	0.73	3.3
SNHA30C	28	16	26	80	9x14x12	28	46.8	0.91	4.8
SNHA30H	28	16	26	80	9x14x12	37.3	62.5	1.18	4.8
SNHA35C	34	18	29	80	9x14x12	37.3	61.1	1.54	6.6
SNHA35H	34	18	29	80	9x14x12	50.2	81.5	1.99	6.6
SNHA45C	45	20.5	38	105	14x20x17	60	95.6	2.92	11
SNHA45H	45	20.5	38	105	14x20x17	80.4	127	3.1	11
SNHA55C	53	23.5	44	120	16x23x20	88.5	137	4.3	15.1
SNHA55H	53	23.5	44	120	16x23x20	119	183	5.4	15.1
SNHA65C	63	31.5	53	150	18x26x22	141	215	7.3	22.5
SNHA65H	63	31.5	53	150	18x26x22	192	286	9.3	22.5
SNHA85C	85	35.5	65	180	24x35x28	210	310	13	35.2
SNHA85H	85	35.5	65	180	24x35x28	282	412	16	35.2

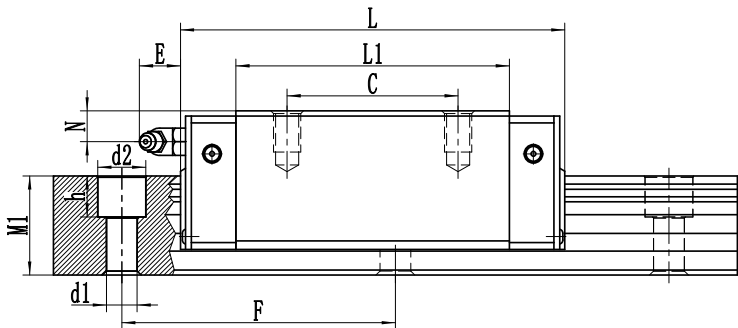
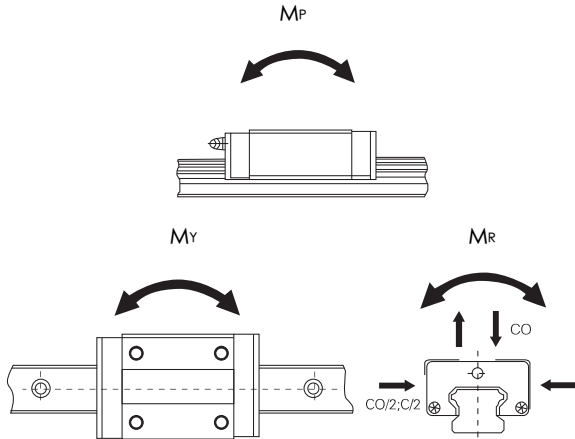
SNSA 线性滑轨系列规格参数（标准高）
Specification of SNSA Series (High Standard)



SNSA-C 型 SNSA-H 型



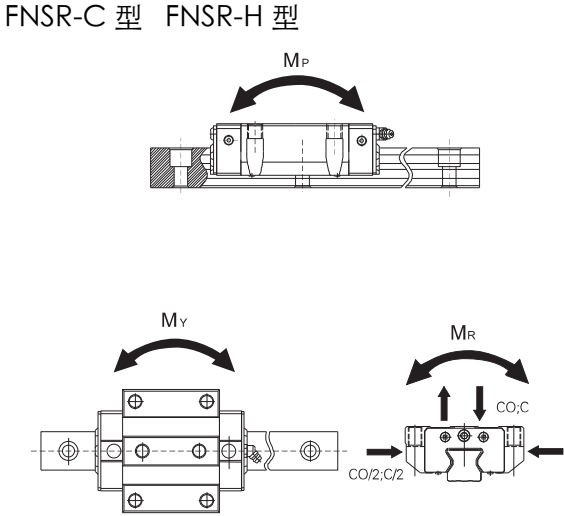
SNSA-C 型 SNSA-H 型



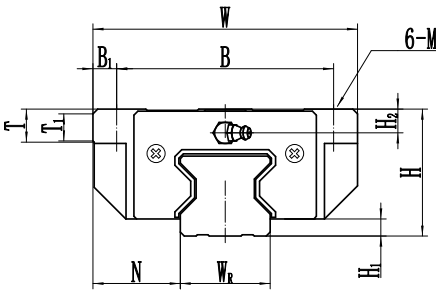
型号 Model	组件尺寸 (mm) Rail Dimension							滑块尺寸 Block Dimension								
	H	H ₁	N	W	B	B ₁	C	L ₁	L	G	K ₁	K ₂	T	H ₂	H ₃	MXI
SNSA15C	24	4.3	9.5	34	26	4	26	39.4	61.4	5.3	10	4.85	6	3.95	3.7	M4x4
SNSA25C	36	5.5	12.5	48	35	6.5	35	58	84	12	15.7	6	8	6	5	M6x6
SNSA25H	36	5.5	12.5	48	35	6.5	50	78.6	104.6	12	18.5	6	8	6	5	M6x6
SNSA30C	42	6.0	16.0	60	40	10	40	70	97.4	12	20.25	6	8.5	6.5	10.8	M8x10
SNSA30H	42	6.0	16.0	60	40	10	60	93.0	120.4	12	21.75	6	8.5	6.5	10.8	M8x10
SNSA35C	48	7.5	18.0	70	50	10	50	80	112.4	12	20.6	7	10.2	9	12.6	M8x12
SNSA35H	48	7.5	18.0	70	50	10	72	105.8	138.2	12	22.5	7	10.2	9	12.6	M8x12
SNSA45C	60	9.5	20.5	86	60	13	60	97.0	139.4	12.9	23	10	16	8.5	20.5	M10x17
SNSA45H	60	9.5	20.5	86	60	13	80	128.8	171.2	12.9	28.9	10	16	8.5	20.5	M10x17
SNSA55C	70	13.0	23.5	100	75	12.5	75	117.7	166.7	12.9	27.35	11	17.5	12	19	M12x18
SNSA55H	70	13.0	23.5	100	75	12.5	95	155.8	204.8	12.9	36.4	11	17.5	12	19	M12x18

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail		基本额定负荷 Basic Load Rating		静态瞬间扭矩 Static Instantaneous Torque			重量 Weight	
	WR	H _R	D	h	d	P	E	(mm)		C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
SNSA15C	15	15	7.5	5.3	4.5	60	20	M4x16		9.95	13.22	0.10	0.09	0.07	0.14	1.5
SNSA25C	23	22	11	9	7	60	20	M6x20		23.66	29.75	0.31	0.33	0.25	0.42	3.3
SNSA25H	23	22	11	9	7	60	20	M6x20		27.41	36.61	0.38	0.52	0.42	0.57	3.3
SNSA30C	28	26	14	12	9	80	20	M8x25		31.14	37.37	0.49	0.50	0.40	0.78	4.8
SNSA30H	28	26	14	12	9	80	20	M8x25		39.66	52.93	0.70	0.88	0.71	1.03	4.8
SNSA35C	34	29	14	12	9	80	20	M8x25		41.41	53.69	0.90	0.78	0.62	1.14	6.6
SNSA35H	34	29	14	12	9	80	20	M8x25		52.73	76.06	1.28	1.36	1.02	1.52	6.6
SNSA45C	45	38	20	17	14	105	22.5	M12x35		66.63	76.28	1.85	1.54	1.12	2.08	11
SNSA45H	45	38	20	17	14	105	22.5	M12x35		85.01	108.06	2.63	2.59	1.68	2.75	11
SNSA55C	53	44	23	20	16	120	30	M14x45		97.27	126.62	3.14	2.16	2.16	3.25	15.1
SNSA55H	53	44	23	20	16	120	30	M14x45		120	161.4	4.29	3.78	3.78	4.27	15.1

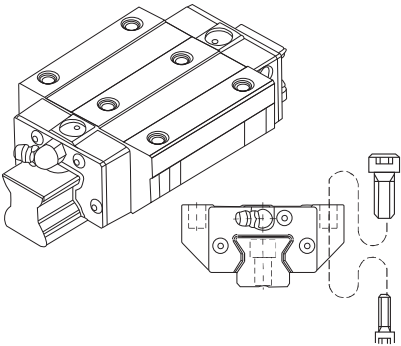
FNSR 线性滑轨系列规格参数（滚柱型）
Specification of FNSR Series (Roller Type)



FNSR-C 型 FNSR-H 型

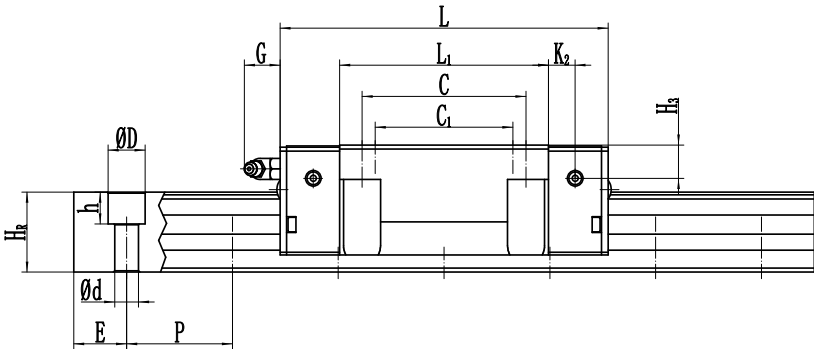


FNSR-C 型

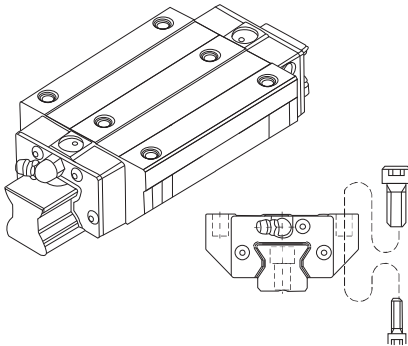


除了可以从滑块的上面进行装配外，同时又适用于螺栓无法贯穿工作台的状态下使用，从滑块的底面往上进行装配

Can install from the upside of block, can also install from the bottom of the block when bolt can't run through the operating platform



FNSR-H 型



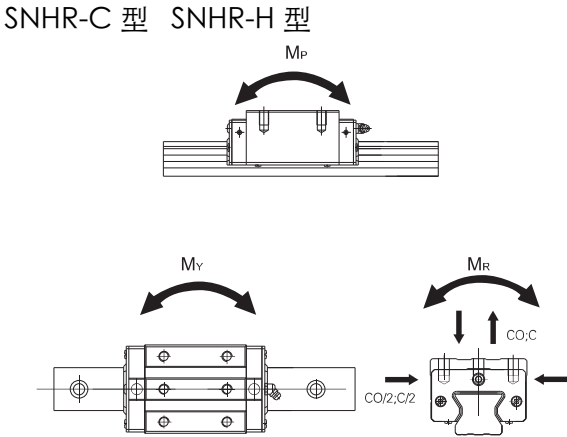
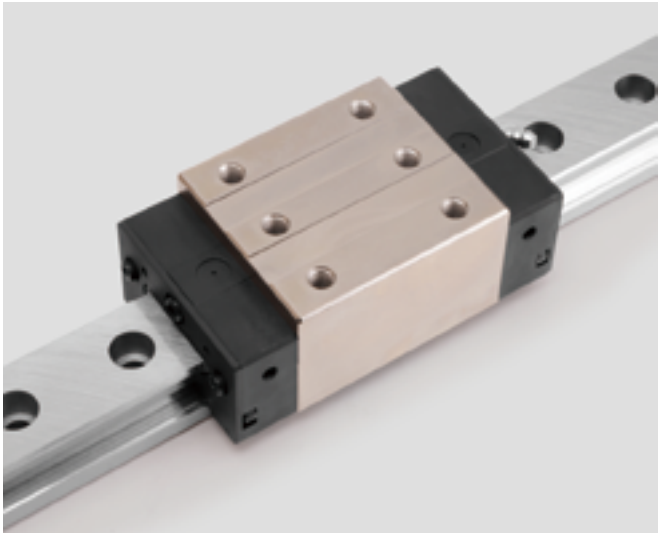
与 FNSR-C 型具有相同断面尺寸，增加了滑块的长度，增加负荷滚柱数，提升开整体的负荷能力

Same cross section to FNSR-C, lengthened the block's length, increase the quantity of roller, enhance the rated load capacity

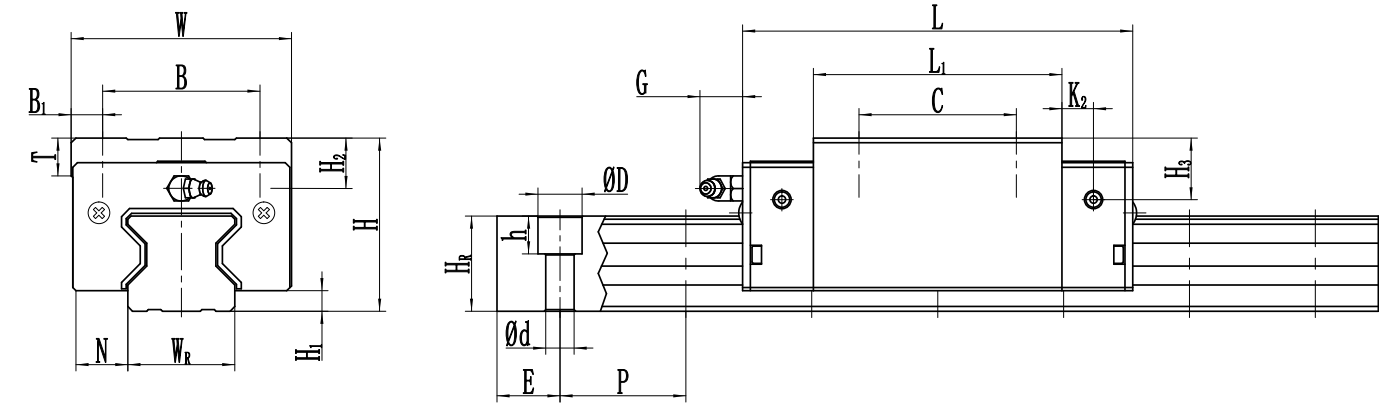
型号 Model	组件尺寸 (mm) Rail Dimension								滑块尺寸 Block Dimension								油嘴规格 Grease Nipple Specification	
	H	H ₁	N	W	B	B ₁	C	C ₁	L ₁	L	K ₁	G	M	T	T ₁	T ₂	H ₃	
FNSR20C	30	5	21.5	63	53	5	40	35	57.5	86	13.8	5.3	M6	8	10	4.3	4.3	G-M6
FNSR20H	30	5	21.5	63	53	5	40	35	77.5	106	12.8	5.3	M6	8	10	4.3	4.3	G-M6
FNSR25C	36	5.5	23.5	70	57	6.5	45	40	64.5	97.9	15.75	12	M8	9.5	10	6.2	6	G-M6
FNSR25H	36	5.5	23.5	70	57	6.5	45	40	81	114.4	24	12	M8	9.5	10	6.2	6	G-M6
FNSR30C	42	6	31	90	72	9	52	44	71	109.8	17.5	12	M10	9.5	10	6.5	7.3	G-M6
FNSR30H	42	6	31	90	72	9	52	44	93	131.8	28.5	12	M10	9.5	10	6.5	7.3	G-M6
FNSR35C	48	6.5	33	100	82	9	62	52	79	124	16.5	12	M10	12	13	9	12.6	G-M6
FNSR35H	48	6.5	33	100	82	9	62	52	106.5	151.5	30.25	12	M10	12	13	9	12.6	G-M6
FNSR45C	60	8	37.5	120	100	10	80	60	106	153.2	21	12.9	M12	14	15	10	14	G-PT1/8
FNSR45H	60	8	37.5	120	100	10	80	60	139.8	187	37.9	12.9	M12	14	15	10	14	G-PT1/8
FNSR55C	70	10	43.5	140	116	12	95	70	125.5	183.7	27.75	12.9	M14	16	17	12	17.5	G-PT1/8
FNSR55H	70	10	43.5	140	116	12	95	70	173.8	232	51.9	12.9	M14	16	17	12	17.5	G-PT1/8
FNSR65C	90	12	53.5	170	142	14	110	82	160	232	40.8	12.9	M16	22	23	15	15	G-PT1/8
FNSR65H	90	12	53.5	170	142	14	110	82	223	295	72.3	12.9	M16	22	23	15	15	G-PT1/8

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail (mm)		基本额定负荷 Basic Load Rating		容许静力矩 Allowable Static Torque			重量 Weight	
	WR	H _R	D	h	d	P	E			C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
FNSR20C	20	21	9.5	8.5	6	30	20	M5X20		21.3	46.7	0.647	0.46	0.46	0.44	2.76
FNSR20H	20	21	9.5	8.5	6	30	20	M5X20		26.9	63	0.872	0.837	0.837	0.62	2.76
FNSR25C	23	23.6	11	9	7	30	20	M6X20		27.7	57.1	0.758	0.605	0.605	0.67	3.08
FNSR25H	23	23.6	11	9	7	30	20	M6X20		33.9	73.4	0.975	0.991	0.991	0.86	3.08
FNSR30C	28	28	14	12	9	40	20	M8X25		39.1	82.1	1.445	1.06	1.06	1.06	4.41
FNSR30H	28	28	14	12	9	40	20	M8X25		48.1	105	1.846	1.712	1.712	1.42	4.41
FNSR35C	34	30.2	14	12	9	40	20	M8X25		57.9	105.2	2.17	1.44	1.44	1.61	6.06
FNSR35H	34	30.2	14	12	9	40	20	M8X25		73.1	142	2.93	2.60	2.60	2.21	6.06
FNSR45C	45	38	20	17	14	52.5	22.5	M12X35		92.6	178.8	4.52	3.05	3.05	3.22	9.97
FNSR45H	45	38	20	17	14	52.5	22.5	M12X35		116	230.9	6.33	5.47	5.47	4.41	9.97
FNSR55C	53	44	23	20	16	60	30	M14X45		130.5	252	8.01	5.40	5.40	5.18	13.98
FNSR55H	53	44	23	20	16	60	30	M14X45		167.8	348	11.15	10.25	10.25	7.34	13.98
FNSR65C	63	53	26	22	18	75	35	M16X50		213	411.6	16.20	11.59	11.59	11.04	20.22
FNSR65H	63	53	26	22	18	75	35	M16X50		275.3	572.7	22.55	22.17	22.17	15.75	20.22

SNHR 线性滑轨规格参数（滚柱型）
Specification of SNHR Series (Roller Type)

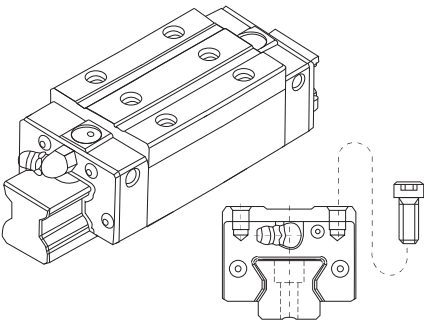


SNHR-C 型 SNHR-H 型

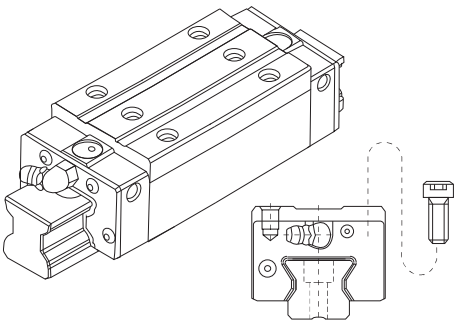


SNHR-C 型

SNHR-H 型



缩小滑块的宽度，可以从滑块的上面进行装



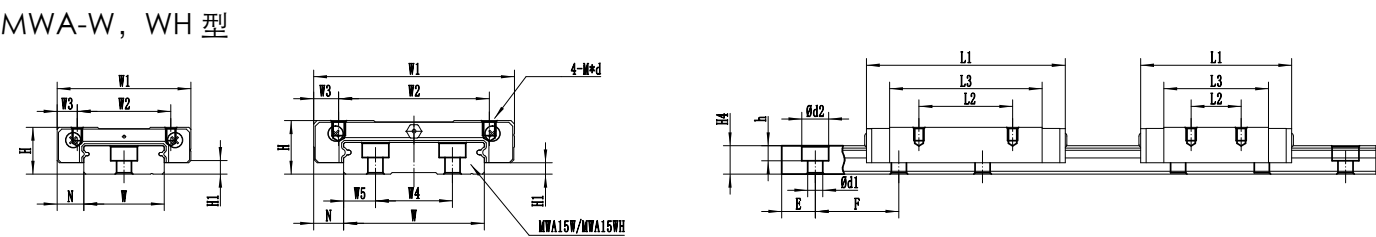
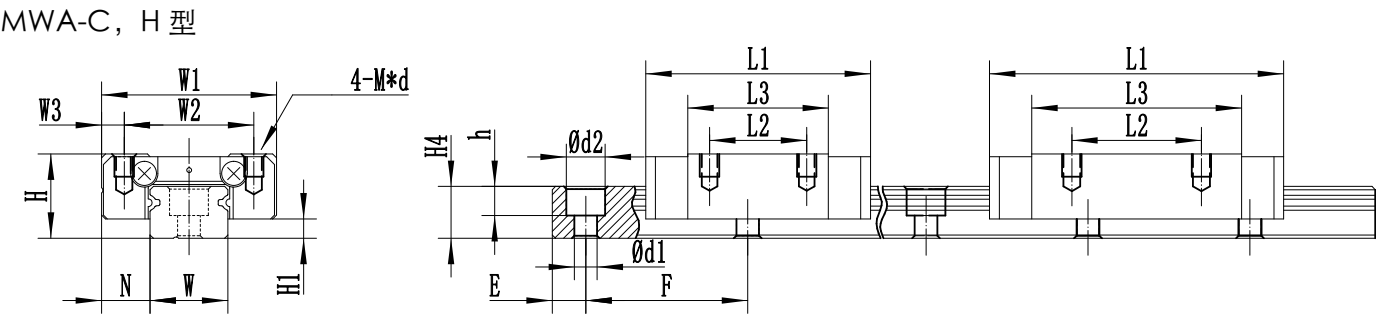
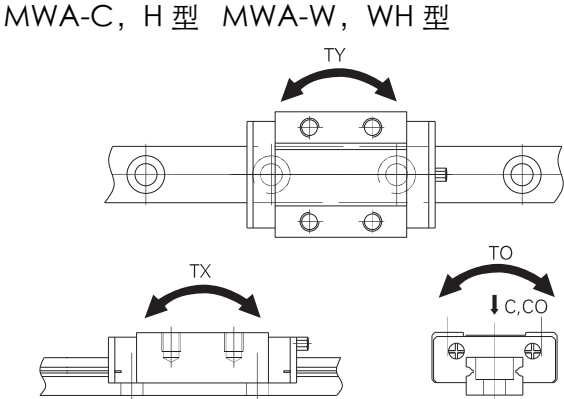
与 SNHR-C 型具有相同的断面尺寸，增加了滑轨的长度，并增加了负荷滚柱数，提升整体的负荷能力

Same cross section to SNHR-C lengthened the block's length, increase the quantity of roller, enhance the rated load capacity

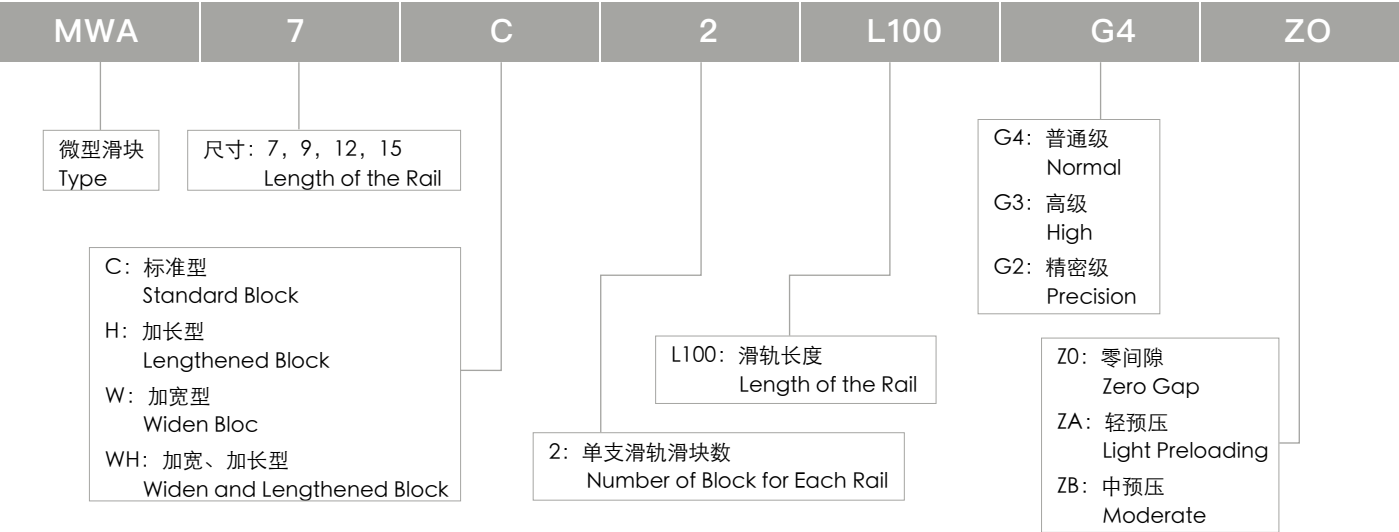
型号 Model	组件尺寸 (mm) Rail Dimension								滑块尺寸 Block Dimension								油嘴规格 Grease Nipple Specification	
	H	H ₁	N	W	B	B ₁	C	L ₁	L	K ₁	K ₂	G	MXL	T	H ₂	H ₃		
SNHR20C	34	5	12	44	32	6	36	57.5	86	15.8	6	5.3	M5X8	8	8.3	8.3	G-M6	
SNHR20H	34	5	12	44	32	6	50	77.5	106	18.8	6	5.3	M5X8	8	8.3	8.3	G-M6	
SNHR25C	40	5.5	12.5	48	35	6.5	35	64.5	97.9	20.75	7.25	12	M6X8	9.5	10.2	10	G-M6	
SNHR25H	40	5.5	12.5	48	35	6.5	50	81	114.4	21.5	7.25	12	M6X8	9.5	10.2	10	G-M6	
SNHR30C	45	6	16	60	40	10	40	71	109.8	23.5	8	12	M8X10	9.5	9.5	10.3	G-M6	
SNHR30H	45	6	16	60	40	10	60	93	131.8	24.5	8	12	M8X10	9.5	9.5	10.3	G-M6	
SNHR35C	55	6.5	18	70	50	10	50	79	124	22.5	10	12	M8X12	12	16	19.6	G-M6	
SNHR35H	55	6.5	18	70	50	10	72	106.5	151.5	25.5	10	12	M8X12	12	16	19.6	G-M6	
SNHR45C	70	8	20.5	86	60	13	60	106	153.2	31	10	12.9	M10X17	16	20	24	G-PT1/8	
SNHR45H	70	8	20.5	86	60	13	80	139.8	187	37.9	10	12.9	M10X17	16	20	24	G-PT1/8	
SNHR55C	80	10	23.5	100	75	12.5	75	125.5	183.7	37.75	12.5	12.9	M12X18	17.5	22	27.5	G-PT1/8	
SNHR55H	80	10	23.5	100	75	12.5	95	173.8	232	51.9	12.5	12.9	M12X18	17.5	22	27.5	G-PT1/8	
SNHR65C	90	12	31.5	126	76	25	70	160	232	60.8	15.8	12.9	M16X20	25	15	15	G-PT1/8	
SNHR65H	90	12	31.5	126	76	25	120	223	295	67.3	15.8	12.9	M16X20	25	15	15	G-PT1/8	

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail		基本额定负荷 Basic Load Rating		容许静力矩 Allowable Static Torque			重量 Weight	
	WR	H _R	D	h	d	P	E	(mm)		C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
SNHR20C	20	21	9.5	8.5	6	30	20	M5X20		21.3	46.7	0.647	0.46	0.46	0.44	2.76
SNHR20H	20	21	9.5	8.5	6	30	20	M5X20		26.9	63	0.872	0.837	0.837	0.62	2.76
SNHR25C	23	23.6	11	9	7	30	20	M6X20		27.7	57.1	0.758	0.605	0.605	0.67	3.08
SNHR25H	23	23.6	11	9	7	30	20	M6X20		33.9	73.4	0.975	0.991	0.991	0.86	3.08
SNHR30C	28	28	14	12	9	40	20	M8X25		39.1	82.1	1.445	1.06	1.06	1.06	4.41
SNHR30H	28	28	14	12	9	40	20	M8X25		48.1	105	1.846	1.712	1.712	1.42	4.41
SNHR35C	34	30.2	14	12	9	40	20	M8X25		57.9	105.2	2.17	1.44	1.44	1.61	6.06
SNHR35H	34	30.2	14	12	9	40	20	M8X25		73.1	142	2.93	2.6	2.6	2.21	6.06
SNHR45C	45	38	20	17	14	52.5	22.5	M12X35		92.6	178.8	4.52	3.05	3.05	3.22	9.97
SNHR45H	45	38	20	17	14	52.5	22.5	M12X35		116	230.9	6.33	5.47	5.47	4.41	9.97
SNHR55C	53	44	23	20	16	60	30	M14X45		130.5	252	8.01	5.4	5.4	5.18	13.98
SNHR55H	53	44	23	20	16	60	30	M14X45		167.8	348	11.15	10.25	10.25	7.34	13.98
SNHR65C	63	53	26	22	18	75	35	M16X50		213	411.6	16.2	11.59	11.59	11.04	20.22
SNHR65H	63	53	26	22	18	75	35	M16X50		275.3	572.7	22.55	22.17	22.17	15.75	20.22

MWA 线性滑轨规格参数（微型）
Specification of MWA Series Linear Guide (With Type)



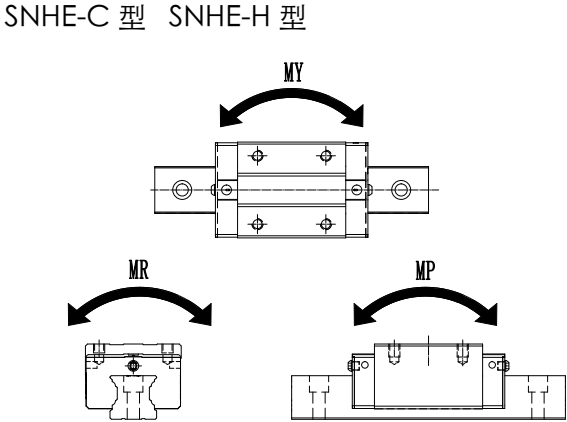
型号说明
Model Code



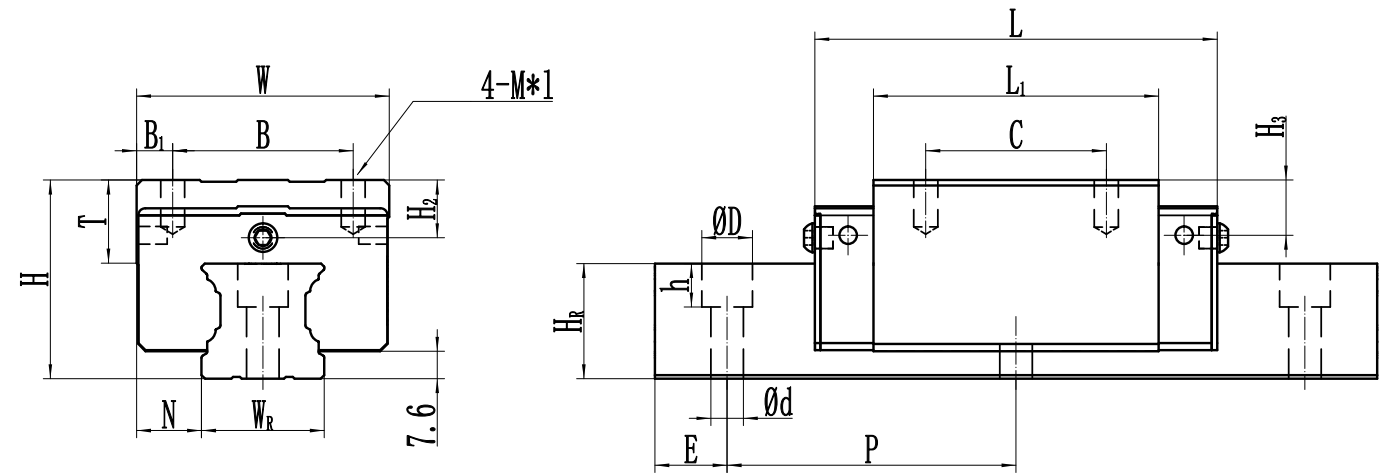
型号 Model	组件尺寸 (mm) Rail Dimension					滑块尺寸 Block Dimension					滑轨使用螺栓尺寸 Rail Bolt Size	
	H	H1	N	W1	W2	W3	L1	L2	L3	MXd	尺寸 x 长度 Size x Length	
MWA7C	8	1.5	5	17	12	2.5	23.5	8	14.3	M2x2.5	M2X6	
MWA7H	8	1.5	5	17	12	2.5	31	12	21.6	M2X2.6	M2X6	
MWA9C	10	2	5.5	20	15	2.5	30	10	20.8	M3X3	M3X8	
MWA9H	10	2	5.5	20	15	2.5	40.5	15	30.9	M3X3	M3X8	
MWA12C	13	3	7.5	27	20	3.5	34	15	21.6	M3X3.5	M3X8	
MWA12H	13	3	7.5	27	20	3.5	44	20	32	M3X3.5	M3X8	
MWA15C	16	4	8.5	32	25	3.5	42	20	27.8	M3X4	M3X10	
MWA15H	16	4	8.5	32	25	3.5	57	25	42.7	M3X4	M3X10	
MWA7W	9	1.9	5.5	25	19	3	31.2	10	21	M3X3	M3X6	
MWA7WH	9	1.9	5.5	25	19	3	41	19	30.8	M3X3	M3X6	
MWA9W	12	2.9	6	30	21	4.5	39.3	12	27.5	M3X3	M3X8	
MWA9WH	12	2.9	6	30	23	3.5	50.7	24	38.5	M3X3	M3X8	
MWA12W	14	3	8	40	28	6	44	15	31	M3X3.5	M4X10	
MWA12WH	14	3	8	40	28	6	59	28	46.3	M3X3.5	M4X10	
MWA15W	16	4	9	60	45	7.5	55	20	39	M4X4.5	M4X12	
MWA15WH	16	4	9	60	45	7.5	74.5	35	58.3	M4X4.5	M4X12	

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							基本额定负荷 Basic Load Rating		容许静力矩 Allowable Static Torque			重量 Weight	
	W	H4	E	F	W4	W5	d1x d2 x h	C (KN)	CO (KN)	To (N-m)	Tx (N-m)	Ty (N-m)	滑块 (g) Block(g)	导轨 (g/10cm) Rail(g/10cm)
MWA7C	7	5	7.5	15	-	-	2.4x4.2x2.3	1200	1960	7.2	4.9	4.1	10	22
MWA7H	7	5	7.5	15	-	-	24x4.2x2.3	1510	2750	10	9.1	7.7	14	22
MWA9C	9	6	10	20	-	-	3.5x6x3.5	1610	2860	13.3	9.4	7.9	19	35
MWA9H	9	6	10	20	-	-	3.5x6x3.5	2080	4180	19.4	19.4	16.3	28	35
MWA12C	12	8	12.5	25	-	-	3.5x6.5x4.5	2960	4450	27.6	16	13.4	35	65
MWA12H	12	8	12.5	25	-	-	3.5x6.5x4.5	3780	6430	39.9	31.8	26.7	52	65
MWA15C	15	10	20	40	-	-	3.5x6.5x4.5	4390	6730	51.8	30.8	25.9	64	107
MWA15H	15	10	20	40	-	-	3.5x6.5x4.5	5750	10100	77.7	66.2	55.6	95	107
MWA7W	14	5.2	10	30	-	-	3.5x6x3.2	1370	2060	15.7	7.14	7.14	20	51
MWA7WH	14	5.2	10	30	-	-	3.5x6x3.2	1770	3140	23.45	15.53	15.53	29	51
MWA9W	18	7	10	30	-	-	3.5x6x4.5	2750	4120	40.12	18.96	18.96	40	91
MWA9WH	18	7	10	30	-	-	3.5x6x4.5	3430	5890	54.54	34	34	57	91
MWA12W	24	8	20	40	-	-	3.5x8x4.5	3780	6430	78.4	31.8	26.7	76	139
MWA12WH	24	8	20	40	-	-	3.5x8x4.5	4870	9400	115	65.6	55	111	139
MWA15W	42	10	20	40	23	9.5	3.5x8x4.5	6150	10200	216	63.6	53.3	140	294
MWA15WH	42	10	20	40	23	9.5	3.5x8x4.5	7910	14900	316	131	110	204	294

SNHE 线性滑轨系列规格参数（高抗扭矩）
Specification of SNHE Series (Super Rolling Moment)



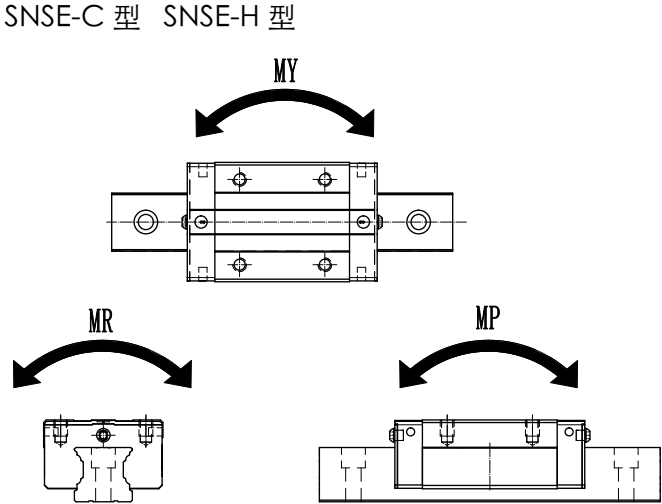
SNHE-C 型 SNHE-H 型



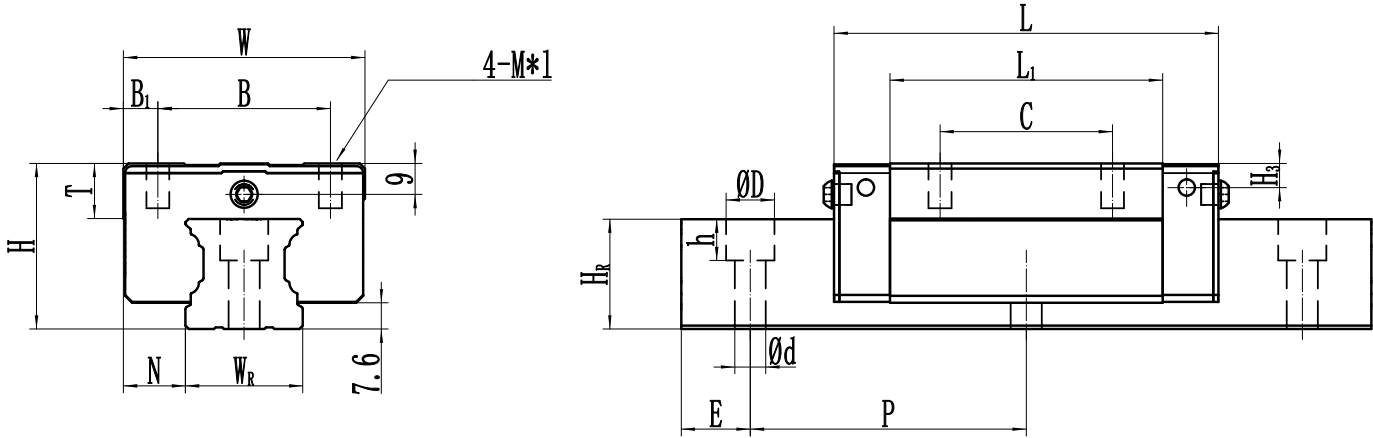
型号 Model	组件尺寸 (mm) Rail Dimension							滑块尺寸 Block Dimension							
	H	H ₁	N	W	B	B ₁	C	L ₁	L	G	K ₂	T	H ₂	H ₃	MXI
SNHE15C	28	4.1	9.5	34	26	4	26	39.6	58.2	6	4.25	6	7.8	7.8	M4x6
SNHE20C	30	4.65	12	44	32	6	36	52.5	74.9	6	5.5	8	3.7	3.5	M5x6
SNHE20H	30	4.65	12	44	32	6	50	68.5	90.9	6	5.5	8	3.7	3.5	M5x6
SNHE25C	40	6.1	12.5	48	35	6.5	35	61	84	13	5	8	10	9.5	M6x8
SNHE25H	40	6.1	12.5	48	35	6.5	50	78.4	101.4	13	5	8	10	9.5	M6x8
SNHE30C	45	7	16	60	40	10	40	69	97.4	13	8.7	9.5	9.7	10	M8x10
SNHE30H	45	7	16	60	40	10	60	91.5	119.9	13	8.7	9.5	9.7	10	M8x10
SNHE35C	55	7.6	18	70	50	10	50	79	111.4	13	7	10.2	16	14	M8x13
SNHE35H	55	7.6	18	70	50	10	72	103.4	135.8	13	7	10.2	16	14	M8x13
SNHE45C	70	9.7	20.5	86	60	13	60	97.2	137.6	13	8.7	16	18.5	18.2	M10x17
SNHE45H	70	9.7	20.5	86	60	13	80	133.6	174	13	8.7	16	18.5	18.2	M10x17

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail		基本额定负荷 Basic Load Rating		静态瞬间扭矩 Static Instantaneous Torque			重量 Weight	
	WR	H _R	D	h	d	P	E	(mm)		C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
SNHE15C	15	16.2	7.5	5.9	45	60	20	M4x17		12.44	16.52	0.17	0.13	0.13	0.15	1.58
SNHE20C	20	20.55	9.5	8.5	6	60	20	M5x19		20.05	25.82	0.34	0.25	0.25	0.25	2.48
SNHE20H	20	20.55	9.5	8.5	6	60	20	M5x19		24.20	33.77	0.44	0.43	0.43	0.33	2.48
SNHE25C	23	24.25	11	9	7	60	20	M6x22		29.58	37.19	0.55	0.44	0.44	0.46	3.38
SNHE25H	23	24.25	11	9	7	60	20	M6x22		34.27	45.77	0.68	0.65	0.65	0.59	3.38
SNHE30C	28	28.35	14	12	9	80	20	M8x25		38.92	46.71	0.87	0.63	0.63	0.71	5.1
SNHE30H	28	28.35	14	12	9	80	20	M8x25		49.57	66.16	1.23	1.10	1.10	0.94	5.1
SNHE35C	34	31.85	14	12	9	80	20	M8x28		51.76	67.11	1.58	0.98	0.98	1.24	7.14
SNHE35H	34	31.85	14	12	9	80	20	M8x28		65.91	95.08	2.24	1.81	1.81	1.62	7.14
SNHE45C	45	39.85	20	17	14	105	22.5	M12x37		83.28	95.35	3.25	2.10	2.10	2.38	11.51
SNHE45H	45	39.85	20	17	14	105	22.5	M12x37		106.26	135.07	4.61	3.99	3.99	3.01	11.51

SNSE 线性滑轨系列规格参数（高抗扭矩）
Specification of SNSE Series (Super Rolling Moment)



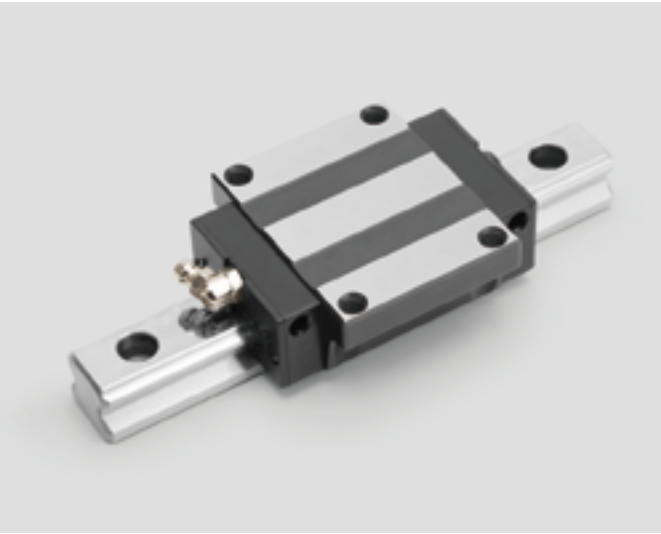
SNSE-C 型 SNSE-H 型



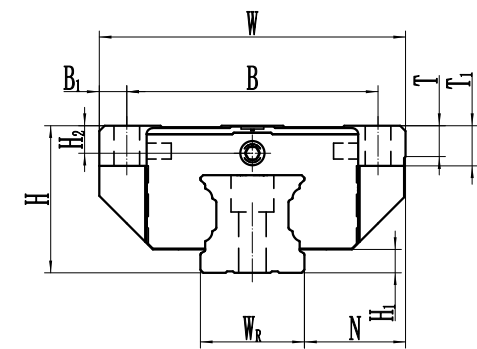
型号 Model	组件尺寸 (mm) Rail Dimension							滑块尺寸 Block Dimension								
	H	H ₁	N	W	B	B ₁	C	L ₁	L	G	K ₁	K ₂	T	H ₂	H ₃	MXI
SNSE15C	24	4.1	9.5	34	26	4	26	39.6	58.2	6	10.8	4.3	6	3.8	3.8	M4x6
SNSE25C	36	6.1	12.5	48	35	6.5	35	61	84	13	17.4	5.0	8	6	5.5	M6x8
SNSE25H	36	6.1	12.5	48	35	6.5	50	78.4	101.4	13	18.6	5.0	8	6	5.5	M6x8
SNSE30C	42	7.0	16.0	60	40	10	40	69	97.4	13	19.75	8.7	9.5	6.7	7	M8x10
SNSE30H	42	7.0	16.0	60	40	10	60	91.5	119.9	13	21	8.7	9.5	6.7	7	M8x10
SNSE35C	48	7.6	18.0	70	50	10	50	79	111.4	13	22.6	7.0	10.2	9	7	M8x13
SNSE35H	48	7.6	18.0	70	50	10	72	103.4	135.8	13	23.8	7.0	10.2	9	7	M8x13
SNSE45C	60	9.7	20.5	86	60	13	60	97.2	137.6	13	23	8.7	16	8.5	8.2	M10x17
SNSE45H	60	9.7	20.5	86	60	13	80	133.6	174	13	31.2	8.7	16	8.5	8.2	M10x17

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail		基本额定负荷 Basic Load Rating		静态瞬间扭矩 Static Instantaneous Torque			重量 Weight	
	WR	H _R	D	h	d	P	E	(mm)		C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
SNSE15C	15	16.2	7.5	5.9	4.5	60	20	M4x17		12.44	16.52	0.17	0.13	0.13	0.11	1.58
SNSE25C	23	24.3	11	9	7	60	20	M6x22		29.58	37.19	0.55	0.44	0.44	0.37	3.38
SNSE25H	23	24.3	11	9	7	60	20	M6x22		34.27	45.77	0.68	0.65	0.65	0.47	3.38
SNSE30C	28	28.0	14	12	9	80	20	M8x25		38.92	46.71	0.87	0.63	0.63	0.61	5.1
SNSE30H	28	28.0	14	12	9	80	20	M8x25		49.57	66.16	1.23	1.10	1.10	0.82	5.1
SNSE35C	34	31.9	14	12	9	80	20	M8x28		51.76	67.11	1.58	0.98	0.98	0.93	7.14
SNSE35H	34	31.9	14	12	9	80	20	M8x28		65.91	95.08	2.24	1.81	1.81	1.22	7.14
SNSE45C	45	39.9	20	17	14	105	22.5	M12x37		83.28	95.35	3.25	2.10	2.10	1.72	11.51
SNSE45H	45	39.9	20	17	14	105	22.5	M12x37		106.26	135.07	4.61	3.99	3.99	2.39	11.51

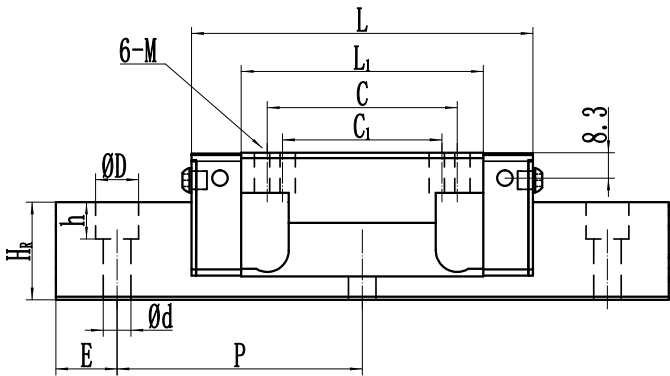
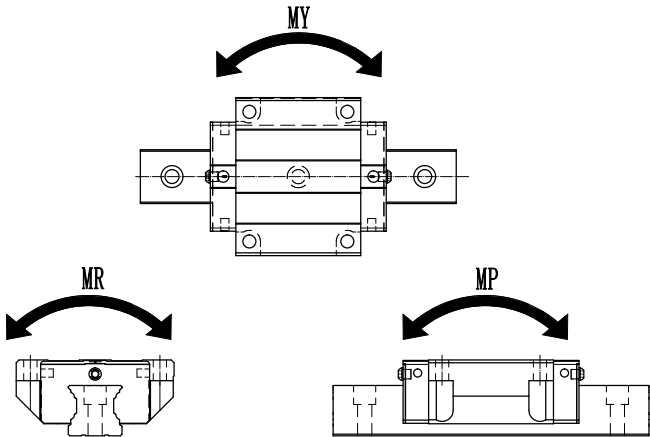
FNSE 线性滑轨系列规格参数（高抗扭矩）
Specification of FNSE Series (Super Rolling Moment)



FNSE-C 型 FNSE-H 型



FNSE-C 型 FNSE-H 型



型号 Model	组件尺寸 (mm) Rail Dimension							滑块尺寸 Block Dimension								
	H	H ₁	N	W	B	B ₁	C	L ₁	L	G	K ₂	T	T ₁	H ₂	H ₃	MXI
FNSE15C	24	4.1	16	47	38	45	30	39.6	58.2	6	4.25	5	6.5	3.8	3.8	M5
FNSE20C	30	4.65	21.5	63	53	5	40	52.5	74.9	6	5.5	6.5	7.7	3.7	3.5	M6
FNSE20H	30	4.65	21.5	63	53	5	40	68.5	90.9	6	5.5	6.5	7.7	3.7	3.5	M6
FNSE25C	36	6.1	23.5	70	57	6.5	45	61	84	13	5	7	9.3	6	5.5	M8
FNSE25H	36	6.1	23.5	70	57	6.5	45	78.4	101.4	13	5	7	9.3	6	5.5	M8
FNSE30C	42	7	31	90	72	9	52	69	97.4	13	8.7	10.5	12	6.7	7	M10
FNSE30H	42	7	31	90	72	9	52	91.5	119.9	13	8.7	10.5	12	6.7	7	M10
FNSE35C	48	7.6	33	100	82	9	62	79	111.4	13	7	10.1	13.1	9	7	M10
FNSE35H	48	7.6	33	100	82	9	62	103.4	135.8	13	7	10.1	13.1	9	7	M10
FNSE45C	60	9.7	37.5	120	100	10	80	97.2	137.6	13	8.7	13.5	15	8.5	8.1	M12
FNSE45H	60	9.7	37.5	120	100	10	80	133.6	174	13	8.7	13.5	15	8.5	8.1	M12

型号 Model	导轨尺寸 (mm) Rail Dimension (mm)							导轨固定螺栓尺寸 Tightening Bolt of Rail		基本额定负荷 Basic Load Rating		静态瞬间扭矩 Static Instantaneous Torque			重量 Weight	
	WR	H _R	D	h	d	P	E	(mm)		C (KN)	CO (KN)	MR KN-m	MP KN-m	MY KN-m	滑块 (kg) Block(kg)	导轨 (kg/m) Rail(kg/m)
FNSE15C	15	16.2	7.5	5.9	4.5	60	20	M4x17		12.44	16.52	0.17	0.13	0.13	0.14	1.58
FNSE20C	20	20.55	9.5	8.5	6	60	20	M5x19		20.05	25.82	0.34	0.25	0.25	0.36	2.48
FNSE20H	20	20.55	9.5	8.5	6	60	20	M5x19		24.20	33.77	0.44	0.43	0.43	0.47	2.48
FNSE25C	23	24.25	11	9	7	60	20	M6x22		29.58	37.19	0.55	0.44	0.44	0.53	3.38
FNSE25H	23	24.25	11	9	7	60	20	M6x22		34.27	45.77	0.68	0.65	0.65	0.68	3.38
FNSE30C	28	28.35	14	12	9	80	20	M8x25		38.92	46.71	0.87	0.63	0.63	0.9	5.1
FNSE30H	28	28.35	14	12	9	80	20	M8x25		49.57	66.16	1.23	1.10	1.10	1.19	5.1
FNSE35C	34	31.85	14	12	9	80	20	M8x28		51.76	67.11	1.58	0.98	0.98	1.37	7.14
FNSE35H	34	31.85	14	12	9	80	20	M8x28		65.91	95.08	2.24	1.81	1.81	1.79	7.14
FNSE45C	45	39.85	20	17	14	105	22.5	M12x37		83.28	95.35	3.25	2.10	2.10	2.45	11.51
FNSE45H	45	39.85	20	17	14	105	22.5	M12x37		106.26	135.07	4.61	3.99	3.99	3	11.51

聊城市精研滚针轴承有限公司

Liaocheng Jingyan Bearing Co., Ltd.

工厂地址

电话: 0635-2812056/2857733

手机: 15610123501

传真: 0635-2813498

邮箱: 1039752177@qq.com

地址: 山东省聊城临清市唐园工业园

上海销售分公司

电话: 021-57893800

传真: 021-57893800

邮箱: 1039752177@qq.com

地址: 上海市松江区松江工业园申港路 3255 号 1 幢

济南销售分公司

电话: 0531-82805895

传真: 0531-82805895

邮箱: 1039752177@qq.com

地址: 济南市高新区工业南路 44 号丁豪广场 4 号楼 2 单元 1602