

瑞施博格®
Swissberger

专注精密交叉导轨制造 10⁺年

产品目录
PRODUCT CATALOG

SWISSBERGER

专业导轨制造商 Professional guide rail manufacturer

精密导轨国产化 Localization of precision guide rails



东莞市瑞施博格导轨制造有限公司
Dongguan Swissberger Guide Rail Manufacturing Co., Ltd

www.swissberger.com

瑞典技术 · 精工制造
Swedish technology seiko manufacturing

直线运动专家
Linear motion expert

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诚信
Integrity

瑞施博格导轨

SWISSBERGER



有一种力量，引领时代。
有一种力量，推动历史。
有一种力量，改变世界。

不是所有的导轨品牌都叫瑞施博格

Not all rail brands are called swissberger

东莞市瑞施博格导轨制造有限公司成立于2006年，是一家专注精密交叉导轨、保持架、滚柱/针、滑台、模组系列产品研发、生产及销售的高科技企业。产品广泛应用于:自动化设备、工业机器人、光电行业、测量仪、影像仪、医疗器械等高精密设备/仪器领域。公司总部坐落于广东省东莞市厚街镇，生产面积10000 m² (1万平米)现有职工200余人,机台设备完善，加工技术精湛，具备迅捷高效的大批量生产能力。

Dongguan swissberger Guide Rail Manufacturing Co., Ltd. was established in 2006 as a high-tech enterprise specializing in the research and development, production, and sales of precision cross guide rails, cages, rollers/needles, sliding tables, and module series products. The products are widely used in high-precision equipment/instruments such as automation equipment, industrial robots, optoelectronics industry, measuring instruments, imaging devices, medical devices, etc. The company's headquarters is located in Houjie Town, Dongguan City, Guangdong Province, with a production area of 10000 square metre (10000 square meters). Currently, there are more than 200 employees, complete machine equipment, exquisite processing technology, and fast and efficient mass production capacity.

瑞施博格凭借国际先进技术，一流服务水准，陆续与国内外众多行业翘楚建立战略合作关系,为客户产品竞争力提供强劲战略支撑。为客户持续性提供精密V型导轨的前期设计、样品开发、批量生产一站式解决方案，愿与新老客户共创辉煌灿烂的明天。

Relying on advanced international technology and first-class service standards, swissberger has successively established strategic cooperation relationships with numerous industry leaders at home and abroad, providing strong strategic support for customer product competitiveness. We are willing to provide customers with one-stop solutions for the preliminary design, sample development, and mass production of precision V-shaped guide rails. We are willing to work with new and old customers to create a brilliant tomorrow.

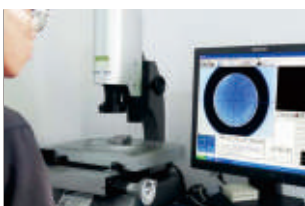


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THK标准 交叉导轨

THK Standard cross rail



VR型交叉滚子导轨 25
VR cross roller guide rail



VB型交叉滚珠导轨 28
VB type cross ball guide rail



IKO标准 交叉导轨

IKO Standard cross rail



CRW型交叉滚子导轨 31
CRW Cross Roller Guide



CRWM型三排交叉滚子导轨 34
CRWM three row cross roller guide



CRWG型防蠕动交叉滚子导轨 36
CRWG anti creep cross roller guide rail



CRWMG型三排防蠕动交叉滚子导轨 38
CRWMG three row anti creep cross roller guide rail



IKO标准 交叉导轨

IKO Standard cross rail



CRW-H型交叉滚子导轨 40
CRW-H cross roller guide rail



CRWG-H型防蠕动交叉滚子导轨 42
CRWG-H anti creep cross roller guide rail



CRWM-H型三排交叉滚子导轨 44
CRWM-H three row cross roller guide rail



CRWMG-H型三排防蠕动交叉滚子导轨 46
CRWMG-H three row anti creep cross roller guide rail



NB标准 弧形导轨

NB Standard Arc guide



RV型弧形导轨 48
RV Arc guide



RVF型弧形导轨 49
RVF Arc guide



NB标准 交叉导轨

NB Standard cross rail



SV型交叉滚子导轨	50
SV cross roller guide rail	



SVW型三排交叉滚子导轨	53
SVW type three row cross roller guide rail	



SV-H型交叉滚子导轨	55
SV-H cross roller guide	



NV型圆钉式交叉滚子导轨	57
NV circular nail cross roller guide rail	



SVW-H型三排交叉滚子导轨	59
SVW-H cross roller guide	



NVW型三排圆钉式交叉滚子导轨	60
NVW three-row round nail cross roller guide	



SKF标准 交叉导轨

SKF Standard cross rail



LWRE型交叉滚子导轨 61
LWRE Cross Roller Guide



LWRE ACS型防蠕动交叉滚子导轨 62
LWRE ACS anti creep cross roller guide



LWR型交叉滚子导轨 63
LWR cross roller guide rail



施耐博格标准 交叉导轨

SCHNEEBERGER Standard cross rail



R型交叉滚子导轨 64
R Cross roller guide



RN型交叉滚子导轨 66
RN cross roller guide



施耐博格标准 交叉滚针导轨

SCHNEEBERGER Standard Cross needle roller guide



N/O型交叉滚针导轨 68
NO cross needle roller guide



NOG型防蠕动交叉滚针导轨 69
NOG type anti-creep cross needle roller guide



NO-H型交叉滚针导轨 70
NO-H cross needle roller guide



NOG-H型防蠕动交叉滚针导轨 71
NOG-H type anti-creep cross needle roller guide



施耐博格标准 交叉滚针导轨

SCHNEEBERGER Standard Cross needle roller guide



M/V型交叉滚针导轨 72
MV cross needle roller guide



MVG型防蠕动交叉滚针导轨 73
MVG type anti-creep cross needle roller guide



MV-H型交叉滚针导轨 74
MV-H cross needle roller guide



MVG-H型防蠕动交叉滚针导轨 75
MVG-H type anti-creep cross needle roller guide



瑞施博格标准 交叉导轨

SWISSBERGER Standard cross rail



SWRG型防蠕动交叉滚子导轨 76
SWRG anti creep cross roller guide



亚德客标准 交叉导轨

AIRTAC Standard cross rail



LGC型三排交叉滚子导轨 78

LGC three row cross roller guide

产品概述

结构及特点 / 交叉导轨的额度寿命/载荷计算

Product overview

Structure and features/Limit life/load calculation of cross rails

结构及特点

Compositions and Features

◎ 结构

交叉滚子导轨由两根具有V型滚道的导轨，滚柱保持架、圆柱滚子等组成，相互交叉排列的圆柱滚子在经过精密磨削的V型滚道面上做往复运动，可承受各个方面的载荷，实现高精度、平稳的直线运动。

◎ 特点

滚动摩擦阻力低，稳定性能好，起动摩擦力小，随动性能好;接触面积大，弹性变形量小，有效运动体多，易实现高刚性、高负荷运动，结构设计灵活，安装使用方便。

◎ Compositions

Firstly, assemble 2pcs of Rail A on the same base level of the sliding plate or base; Secondly, assemble 2pcs of Rail B on the same base level of the sliding plate or base.

◎ Features

Firstly, assemble 2pcs of Rail A on the same base level of the sliding plate or base; Secondly, assemble 2pcs of Rail B on the same base level of the sliding plate or base.

交叉滚子导轨的额定寿命

The Rated Lifespan of the Crossing Roller Guideway

◎ 额定寿命的计算

$$L = 50 \left(\frac{f_t}{f_w} \cdot \frac{C}{P_c} \right)^{10/3} (\text{Km})$$

式中: L - 额定寿命 f_t - 温度系数 f_w - 载荷系数

C - 额定动载荷 P_c - 计算载荷

温度系数 f_t : 当工作温度 $^{\circ}\text{C} \leq 100$ 时, $f_t = 1$ 载荷系数 f_w

◎ Lifespan Calculation

$$L = 50 \left(\frac{f_t}{f_w} \cdot \frac{C}{P_c} \right)^{10/3} (\text{Km})$$

Remarks: L: Rated Lifespan; f_t : Temperature Coefficient;

f_w : Load Coefficient; C: Rated Kinetic Load;

P_c : Load Calculation; When the working temperature $^{\circ}\text{C} \leq 100$.

$f_t = 1$; f_w : Load Coefficient

工作条件 Working condition	无外部冲击或震动的低速运动场合，速度 小于15m/min Low speed motion without external shock or vibration, speed Less than 15m/min	无明显冲击或震动的中速运动场合，速度 小于15-30m/min No significant impact or vibration of the medium speed of motion, speed Less than 15-30m/min
f_w	1~1.5	1.5~2.0

◎ 寿命时间的计算

$$L_h = \frac{L \times 10^3}{2 \times I \times n \times 60} \text{ (h)}$$

式中: L_h - 寿命时间 L - 额定寿命 I - 行程长度
 n - 每分钟往复次数

◎ Lifespan Period Calculation

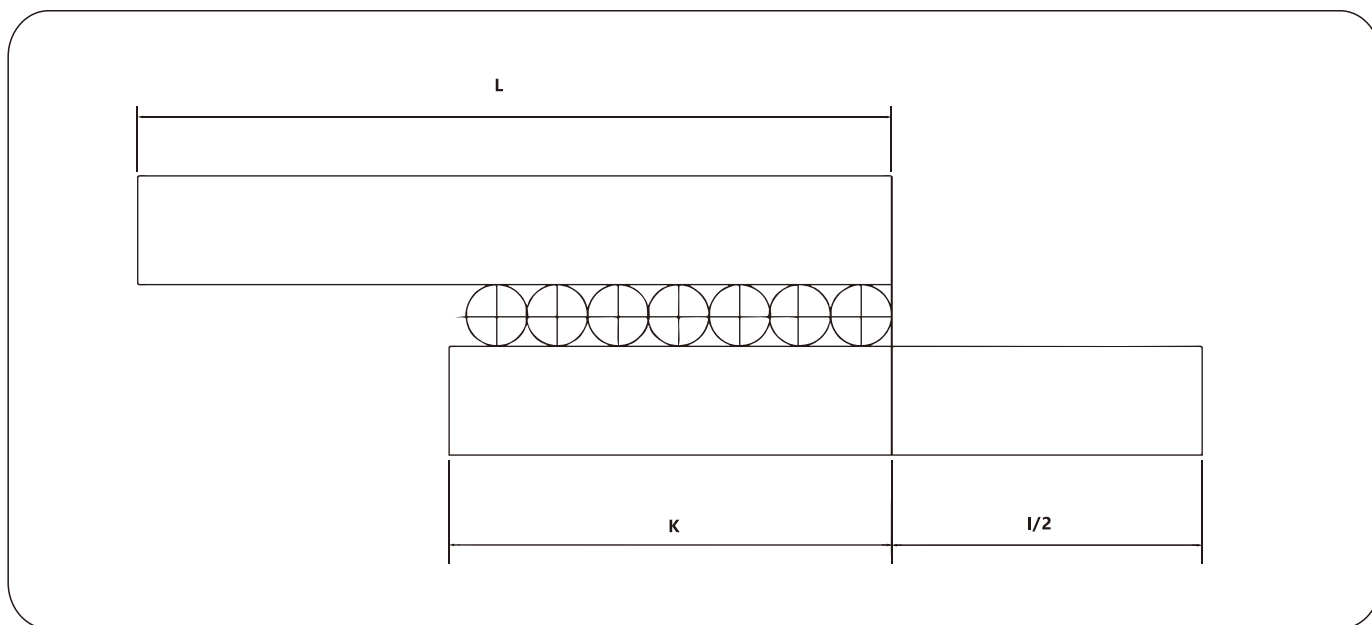
$$L_h = \frac{L \times 10^3}{2 \times I \times n \times 60} \text{ (h)}$$

Remarks: L_h : Lifespan Period; L : Rated Lifespan; I : Stroke Length; n : Round-trip Times per Minute

» 载荷计算 Load Calculation

◎ 行程长度及滚柱数量

◎ The Stroke Length and Roller Numbers



导轨长度计算

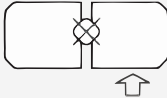
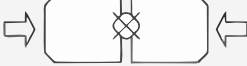
- 导轨的长度不小于行程的1.5倍: $L \geq 1.5I$
式中: L - 导轨长度(mm); I - 运行行程长度(mm)
- 保持架长度: $K \leq L - I/2$
式中: k - 保持架长度(mm)
- 滚柱数计算: $n = (K - 2a) / f + 1$
式中: n - 滚柱数量(忽略小数), a - 保持架端距,
 f - 滚柱间距

Guideway Length Calculation

- The guideway length is not less than 1.5 times of the stroke: $L \geq 1.5I$
Remarks: L : Guideway Length(mm); I : Stroke Length(mm)
- Cage's Length: $K \leq L - I/2$
Remarks: K : Cage's Length(mm)
- Calculation of Roller Numbers: $n = (K - 2a) / f + 1$
Remarks: n : Roller Numbers (the decimal part is ignored).
 a : End to End Distance of the Cage f : Space between Rollers

◎ 载荷计算

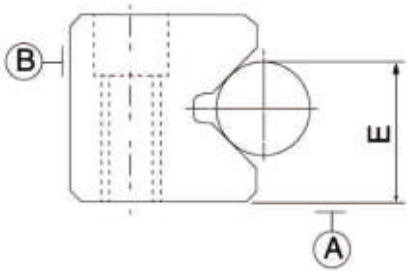
◎ Load calculation

载荷方向 LOAD Direction	正向载荷 Positive Load 	侧向载荷 Lateral Load 
额定动载荷C Rated Kinetic Load C	$C = (\frac{n}{2})^{0.4} C_1$	$C = (\frac{n}{2})^{0.4} 2^{7/8} C_1$
额定静载荷C ₀ Rated Static Load C	$C_0 = (\frac{n}{2}) C_{01}$	$C_0 = 2 \times (\frac{n}{2}) C_{01}$

表中：C- 额定动载荷(KN) C₀ - 额定静载荷(KN)
C₁ - 每个滚柱的额定动载荷(KN)
C₀₁- 每个滚柱的额定静载荷(KN)
n- 滚柱数 n/2- 滚柱数 (忽略小数)

Remarks: C: Rated Kinetic Load (KN) ; C₀: Rated Static Load (KN) ;
C₁: Rated Kinetic Load of each roller(KN);
C₀₁: Rated Static Load of Each Roller (KN); n: Roller Numbers;
n/2 : Roller Numbers (the decimal part is ignored).

精度选择
Precision Choice



精度等级 Precision Grades		精密级 Precision	超精密级 Ultra-precision
项目 Items	记号 Marks	P	UP
导轨面对基准A、B的平行度 The Parallelism of Guideway Surface to Benchmark A&B		按上右图规定 As specified in the upper right picture	
高度E尺寸误差 Mutual Matching Difference of Height E		±0.02	±0.01
高度E相互配对误差 Height E mutual pairing error		0.02	0.01
注：1. E=1/2名义高度+滚柱半径; 2. 高度相互配对是指同一台面上床身所需使用的4根导轨，标注同一出厂编号。 Note: 1. E=1/2 nominal height + roller radius; 2. High mutual pairing refers to the 4 guides needed to use the bed on the same table, marked with the same factory number.			

交叉滚柱导轨安装说明 Installation Instructions for Cross Roller Guide

1、安装前检查并清理工作台，底座安装基面的毛刺和污垢等。注意在组装过程中不要混入异物。

2、配对同一标记(A或B)导轨2和3，按基准面紧靠底座凸台两侧安装基面，借助工具，确保两导轨平行安装侧面。用力矩扳手逐个拧螺钉，螺钉紧固需要按标准扭矩分多次逐步等力矩紧固，从中间开始按交叉顺序向两端。最终检测精度符合产品行走直线度要求

3、另一配对导轨1紧靠放置在工作台安装基面上，借助工具，确保导轨平行安装侧面。同样用力矩扳手逐个拧螺钉，螺钉紧固需要按标准扭矩分多次逐步等力矩紧固，从中间开始按交叉顺序向两端。

1. Before installation, check and clean the burr and dirt on the workbench and base mounting surface. Be careful not to mix foreign matters during assembly.

2. Pair guide rails 2 and 3 with the same mark (A or B), and install the base plane close to both sides of the base boss according to the base plane. With the help of tools, ensure that the two guide rails are installed side by side in parallel. Use a torque wrench to tighten the screws one by one. The screws shall be tightened with equal torque in multiple steps according to the standard torque, starting from the middle and starting from the cross to both ends. The final detection accuracy meets the requirements of product walking straightness.

3. The other pair of guide rails 1 is placed close to the installation base surface of the workbench. With the help of tools, ensure that the guide rails are parallel to the installation side. Also use a torque wrench to tighten the screws one by one. The screws should be tightened with equal torque in several steps according to the standard torque, starting from the middle and starting from the cross to both ends.

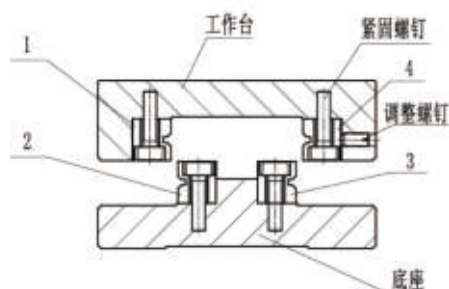


图1 交叉滚柱导轨安装示意图

4、将调整侧的导轨4暂时固定在工作台上。

5、将底座与工作台按图1所示位置关系进行安装，滚柱保持架由端部插入。这时，保持架没有间隙插不进去时，可将调整侧的导轨4往调整螺钉侧挪动后插入。调整导轨4位置，左右推动工作台，确保保持架归位行程中间位置。

6、在导轨两端部安装挡头螺丝。

7、存在特殊情况，长配短导轨，或限位块在导轨中间不等分位置，装配确保滚柱保持架中线和要求行程的中间位置需要重合，短导轨中线和保持架中线位置需要重合。

4. Temporarily fix the guide rail 4 on the adjustment side on the workbench.

5. Install the base and workbench according to the position relationship shown in Figure 1, and insert the roller cage from the end. At this time, if the cage cannot be inserted without clearance, move the guide rail 4 on the adjustment side to the adjustment screw side and insert it. Adjust the position of guide rail 4, push the workbench left and right, and ensure that the cage returns to the middle of the stroke.

6. Install retaining screws at both ends of the guide rail.

7. Under special circumstances, the long guide rail is equipped with a short guide rail, or the limit block is located at an unequal position in the middle of the guide rail. The assembly ensures that the centerline of the roller cage and the middle position of the required stroke need to coincide, and the centerline of the short guide rail and the centerline of the cage need to coincide.

8、调整导轨4，要求分预调整和精调整两步。预调整轻微拧紧紧固螺钉，左右推动工作台，用扭矩扳手均等地拧紧有滚子的范围内的调整螺钉，调整分多次，等力矩逐步调整。最后精调整，左右移动工作台，扭力扳手调小扭矩1/2再次调整多次。

9、最后紧固螺钉，从中间开始按交叉顺序向两端拧紧等扭矩分多次调整。

注：安装数个工作台时，测定第1台的调整螺钉的拧紧扭矩或滑动阻力，如果使第2台以后的拧紧扭矩或滑动阻力相同的话，那么就能施加大致相同的预压。

调整螺钉的推荐紧固扭矩 单位：N.m
Recommended tightening torque for adjusting screw unit: N.m

型号 Model	尺寸 Size	紧固扭矩 Tightening torque
V1	M2	0.008
V2	M3	0.012
V3	M4	0.05
V4	M4	0.08
V6	M5	0.20
V9	M6	0.40
V12	M6	0.80

(图2)
(figure 2)

交叉滚柱导轨副使用注意事项
Precautions for use of cross roller guide rails

安装面的精度

配对安装面的精度直接影响滚柱交叉导轨副的运行精度和性能,为了获得高精度的行走精度，导轨安装面的平行度、平面度，希望经过研磨加工后，其精度高于导轨的最终运行精度。

◎普通交叉导轨的装配方法

先将两根导轨A装配在滑板或底座的同一基准面上(或同一层)，再将两根导轨B装配在滑板或底座的同一基准面上 (或同一层)。

8. Adjusting guide rail 4 requires two steps: Pre-adjust and slightlytighten the fastening screws, push the workbench to the left andright, and evenly tighten the adjusting screws within the range ofrollers with a torque wrench. The adiustment shall be made inseveral times and gradually adiusted with equal torque. Finallyfine adiustment, move the workbench left and right, and adiustthe torque by ½ with the torque wrench for several times.

9. Finally, Fastening screws from the middle to both ends in across sequence, and adiust the bolts in equal torque for severaltimes.

Note: When installing several workbenches, measure the tighten.ing torque or sliding resistance of the first set of adjusting screws.f the tightening torque or sliding resistance of the second set isthe same, then approximately the same preload can be applied.

紧固螺钉的推荐紧固扭矩 单位：N.m
Recommended tightening torque for fastening screw unit: N.m

型号 Model	紧固扭矩 Tightening torque
M2	0.4
M3	1.4
M4	3.2
M5	6.6
M6	11.2
M8	27.6
M10	55.0

(图3) (使用合金钢制螺钉)
(figure 3)(Use alloy steel screws)

Accuracy of mounting surface

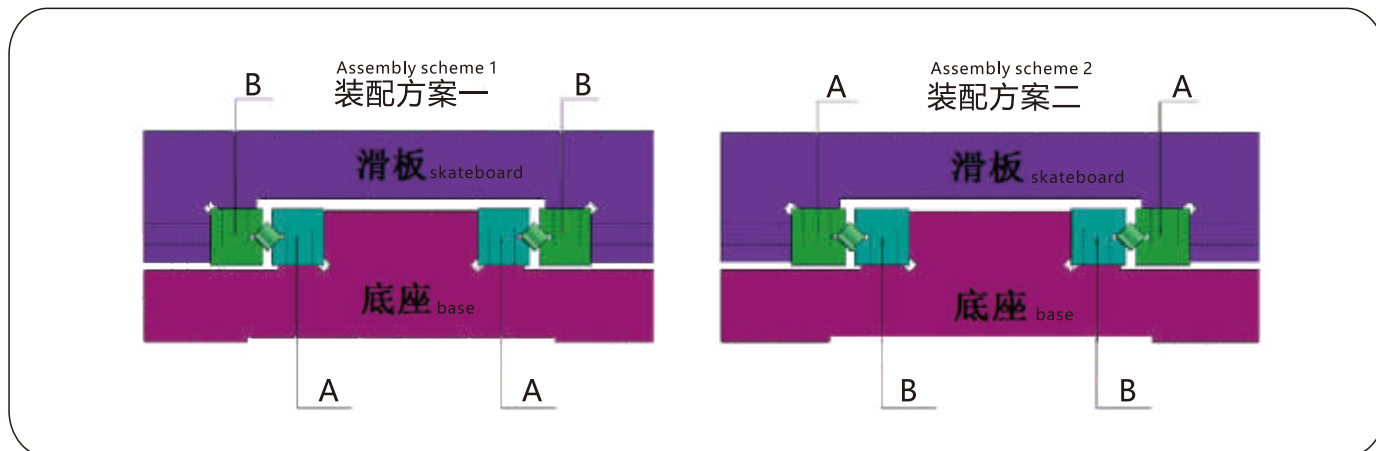
The accuracy of the paired mounting surface directly affects therunning accuracy and performance of the roller cross guide pair. Inorder to obtain high-precision walking accuracy, the parallelism andflatness of the mounting surface of the guide rail are expected to benigher than the final running accuracy of the guide rail after grinding.

◎ Installation Method of Ordinary Cross Roller Rails

Firstly.assemble 2pcs of Rail A on the same base level of thesliding plate or base: Secondlv.assemble 2pcs of Rail B on thesame base evel of the sliding plate or base.

◎ 普通交叉导轨装配示意图

◎ General cross-rail assembly diagram

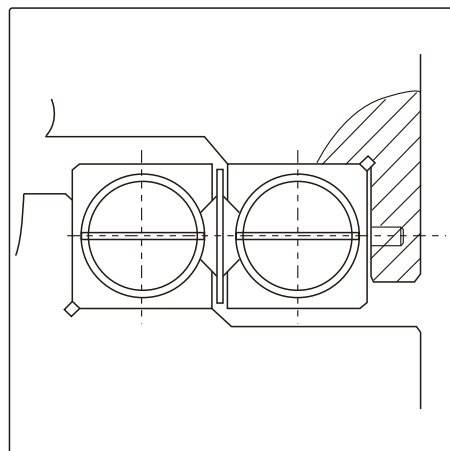


预载方法

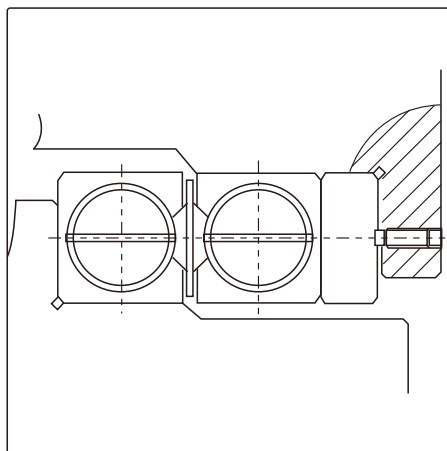
预加载荷通常用预载调整螺钉来调整，调整螺钉与滚子设计在同一直线上。预加载荷的数值根据机床与设备不同而不同。过预载将减少导轨副的寿命并损坏轨道，且在使用过程中，圆柱滚子很容易倾斜，产生自锁现象。

Preloading method

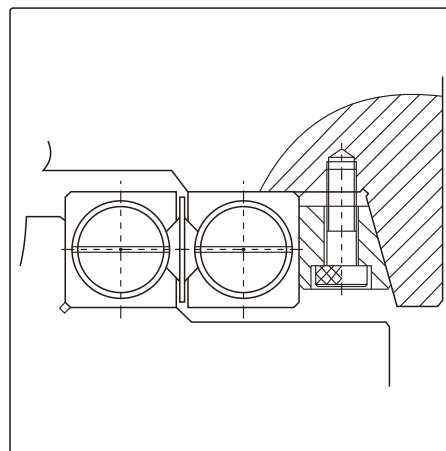
The preload is usually adjusted by preload adjusting screws, and the adjusting bolts and rollers are designed in the same line. The value of preload varies according to different machine tools and equipment. Over preloading will reduce the life of the guide rail pair and damage the rail. In the process of use, the cylindrical roller is easy to tilt, resulting in self-locking.



无预载或较小的预载
No or small preload.



需要精度和刚性时，使用压板
Press plate shall be used when, precision and rigidity are required.



特别要求高精度、高刚性时，使用楔形块
Wedge blocks are Used when high precision and high rigidity are especially required.

交叉滚柱导轨可在高温下运行，但建议使用温度不超过80°C。

The cross roller guide rail pair can operate under high temperature, but it is recommended that the operating temperature should not exceed 80°C.

交叉滚柱导轨副的运行速度不能超过30m/min。

The running speed of the cross roller guide rail shall not exceed 30m/min.

润滑

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，影响导轨副的运行功能。当滚柱交叉导轨副的运行速度为高速时($V > 15\text{m/min}$)，推荐使用N32润滑油(GB443-84)， 40°C 运动粘度 $28.8\text{--}35.2\text{mm}^2/\text{s}$ ，定期润滑或接油管强制润滑。低速时($V < 15\text{m/min}$) 推荐使用基润滑脂(GB7324-942#)润滑。

Lubrication

The main purpose of lubrication is to reduce friction and abrasion to prevent overheating, damage its internal structure and affect the operation function of the guide rail pair. When the running speed of the roller cross guide rail pair is high ($V > 15\text{m/min}$), it is recommended to use N32 lubricating oil (GB443-84), with a running viscosity of $28.8\text{--}35.2\text{mm}^2/\text{s}$ at 40°C , for regular lubrication or forced lubrication by connecting oil pipes. Lithium base grease (GB7324-94 2#) is recommended for lubrication at low speed ($V < 15\text{m/min}$).

防蠕动型交叉滚柱导轨副安装说明

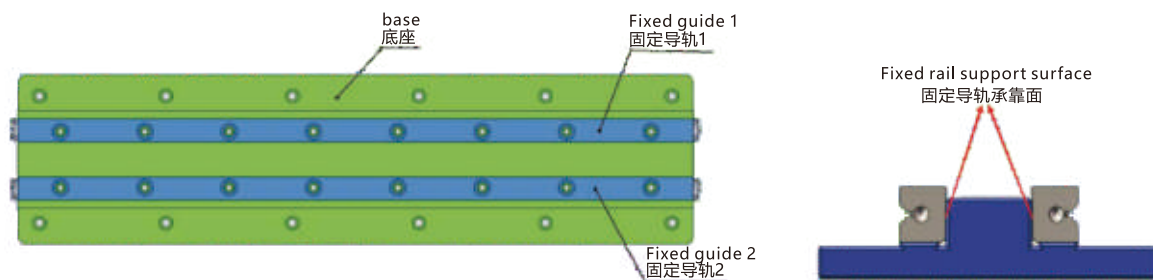
Installation Instruction of Anti-creep Cross Roller Guide Rail

1、清除工作台、底座安装基面的毛刺、瑕疵等，注意在组装过程中不要混入异物。

2、在各个安装基准面上涂上低粘度的油，将两根导轨侧面靠紧基座凸台两侧，调整精度，锁紧螺丝。(如下图所示，安装凸台底座的两侧的固定导轨)。

1 Remove the burrs and defects on the installation base surface of the workbench and base, and pay attention not to mix with foreign matters during the assembly process

2 Coating low viscosity oil, and attaching the lateral side of guide rail to the lateral side of raised step, then adjusting the precision and tightening the screw. (Install the fixing guide rails on both sides of the boss base as shown in the figure below.)



3. 保持架归位。

3.1、将防蠕动齿轮保持架放置在固定导轨上，使保持架一端与固定导轨端面平齐。

3.2、放置移动导轨使端头与齿轮保持架的另一端面对齐，移动导轨与齿轮保持架同时压靠向固定导轨，并左右微量晃动移动导轨，以确保保持架上的齿轮与两根导轨上的齿条完全啮合。

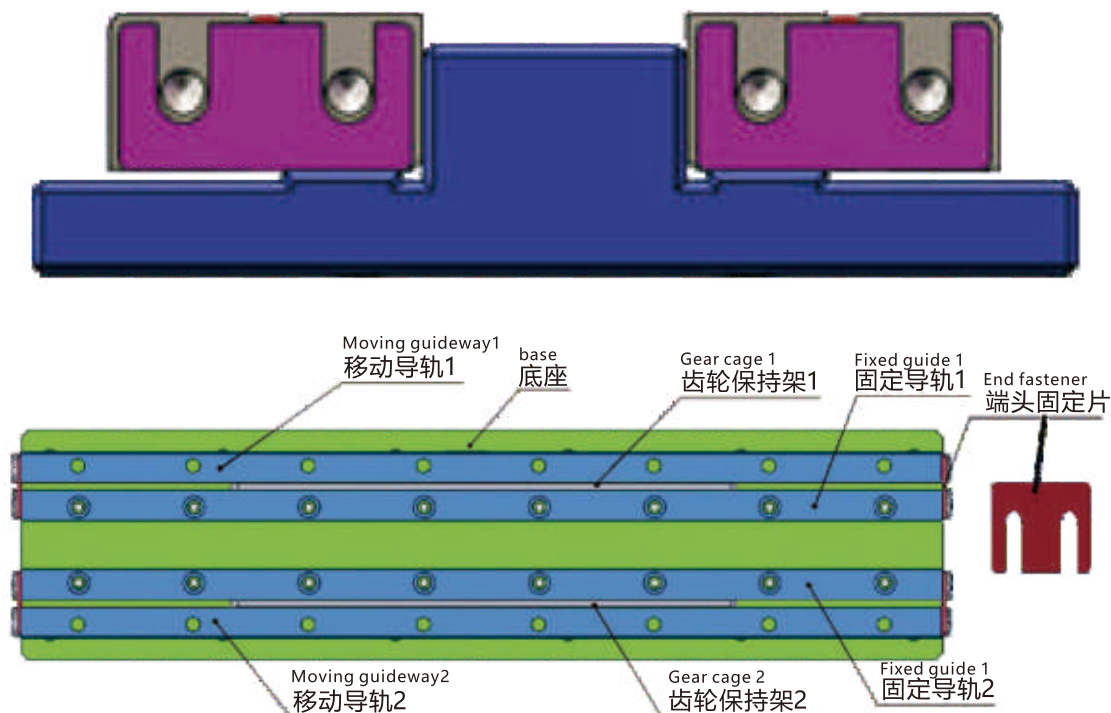
3.3、然后将移动导轨向固定导轨左端头方向移动，直至移动到两根导轨两端头平齐，以上操作可使保持架正好位于两根导轨的正中间位置。随后，在两根导轨两端头加装双U型固定片，用端头螺钉将两根导轨与保持架固定起来。另一侧的保持架归位方法与本侧相同。

3 Return the cage.

3.1 Putting the anti-creep gear cage to the fixed guide rail. The end of cage must parallel with the end of guide rail.

3.2 Make sure the end of moving guide rail parallel with the other end. The moving rail and the gear together to touch the fixed rail. Shaking the moving rail slightly, in order to make sure the gear in cage touching to the gear in guide rail.

3.3 Then move the moving rail to the left end of the fixed rail until two ends paralleled. Then the cage will be in the middle of two rails. Put double U fixed plate at the end of two rails. Fix the two rails and cages by end screws. This method is suitable for returning the other side cages.



4、安装移动工作台，将工作台扣在移动导轨上，带上工作台与移动导轨上的固定螺钉(不要拧紧)。工作台预压侧面装上调节顶丝后调整预压顶丝(注意不要过分施加预压)，紧固工作台基准侧的导轨。拆掉导轨端头的固定片，然后紧固端头螺钉。将钟表式千分表安装至工作台的中心和侧面(基准面侧)。

- ①将工作台向一侧方向的行程尾端移动，轻轻紧固工作台调整端的调整螺钉。
- ②将工作台向反方向的行程尾端移动，同样轻轻紧固调整螺钉。
- ③将工作台返回中央部位，轻轻紧固中央部位的调整螺钉。

重复上述①②③三个步骤的操作直至工作台没有间隙。没有间隙时，左右移动工作台则所安装的钟表式千分表的偏差为最小值，且无变化。此时，注意不要过分施加预压。调整好预压顶丝后，将调整端移动导轨上的固定螺钉牢靠紧固。

至此，完成底座固定导轨及工作台移动导轨的整体装配!

如若有XY整体二维移动工作台，其固定导轨及移动导轨安装方法同上所述!

4 Installing the work table, cover the working table to the moving rail and attach the screws loosely on the working table and moving rail. After installing the adjusting upper screw on the lateral of working table, we can adjust the prepressing upper screw with proper stress, and then fasten the lateral rail of working table. Remove the fixed plate on the end of rail and fasten the end screws. Install the clock style dial indicator in the middle and lateral of working table.

- ① Move the worktable to the end of the stroke in one side direction, and slightly tighten the adjusting screw at the adjusting end of the worktable.
- ② Move the workbench to the end of the stroke in the opposite direction, and tighten the adjusting screw slightly.
- ③ Return the worktable to the center, and slightly tighten the adjusting screw in the center.

Repeat the operations of ① ② ③ until there is no clearance on the workbench. When there is no clearance, the deviation of the clock type dial indicator installed on the left and right moving worktable is the minimum value, and there is no change. At this time, be careful not to apply too much preload. After adjusting the prepressing jackscrew, firmly fasten the fixing screws on the moving guide rail at the adjusting end.

Now we finish the installation of the fixed rail and moving rail.

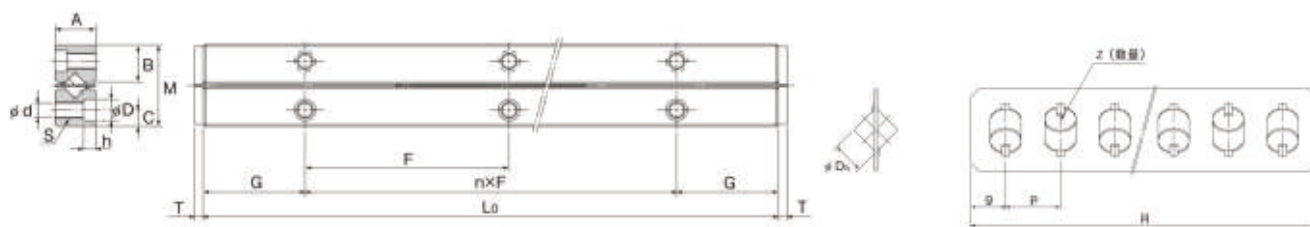
This method can also apply to XY two-dimensional working table.

THK标准

VR型交叉滚子导轨

THK standard

VR type cross roller guide



规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																容许 预压量 Allowable Preload	基本额定负荷 (每1个滚子) Basic Load Flating		质量 (轨道) Mass (orbit)	
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension								保持架尺寸 Cage Size									
		M	A	L ₀	n×F	G	B	C	S	d	D	h	T	Da	R	g	P	Z	δ μm	C ₂ kN	C ₀₂ kN	kg/m
VR1-20x5Z	12	8.5	4	20	1x10	5	3.9	1.8	M2	1.65	3	1.4	1.5	1.5	14	2	2.5	5	-2	0.098	0.069	0.11
VR1-30x7Z	22			30	2x10										19			7				
VR1-40x10Z	27			40	3x10										26.5			10				
VR1-50x13Z	32			50	4x10										34			13				
VR1-60x16Z	37			60	5x10										41.5			16				
VR1-70x19Z	42			70	6x10										49			19				
VR1-80x21Z	52			80	7x10										54			21				
VR2-30x5Z	18	12	6	30	1x15	7.5	5.6	2.5	M3	2.55	4.4	2	2	2	21	2.5	4	5	-3	0.176	0.127	0.23
VR2-45x8Z	24			45	2x15										33			8				
VR2-60x11Z	30			60	3x15										45			11				
VR2-75x13Z	44			75	4x15										53			13				
VR2-90x16Z	50			90	5x15										65			16				
VR2-105x18Z	64			105	6x15										73			18				
VR2-120x21Z	70			120	7x15										85			21				
VR2-135x23Z	84			135	4x15										93			23				
VR2-150x26Z	90			150	5x15										105			26				
VR2-165x29Z	96			165	6x15										117			29				
VR2-180x32Z	102			180	7x15										129			32				

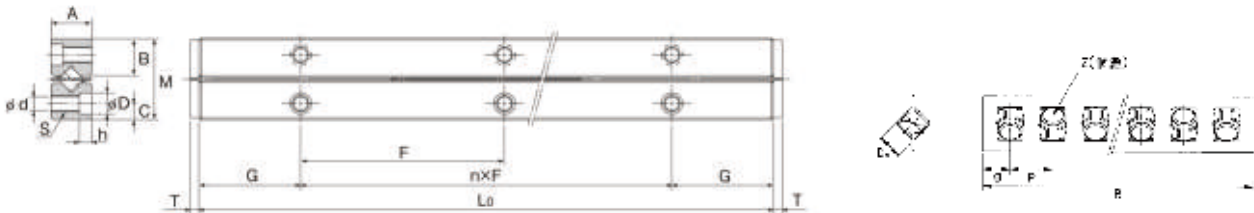
1kN=102kgf

VR型交叉滚子导轨 VR type cross roller guide

规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																	容许 预压量 Allowable Preload δ μm	基本额定负荷 (每1个滚子) Basic Load Flating		质量 (轨道) Mass (orbit) kg/m	
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension										保持架尺寸 Cage Size					C _z kN	C _{0z} kN		
		M	A	L ₀	n×F	G	B	C	S	d	D	h	T	Da	R	g	P	Z					
VR3-50x7Z	28	18	8	50	1x25	12.5	8.3	3.5	M4	3.3	6	3.1	2.5	3	36	3	5	7	-4	0.363	0.275	0.45	
VR3-75x10Z	48			75	2x25										51			10					
VR3-100x14Z	58			100	3x25										71			14					
VR3-125x17Z	78			125	4x25										86			17					
VR3-150x21Z	88			150	5x25										106			21					
VR3-175x24Z	108			175	6x25										121			24					
VR3-200x28Z	118			200	7x25										141			28					
VR3-225x31Z	138			225	8x25										156			31					
VR3-250x35Z	148			250	9x25										176			35					
VR3-275x38Z	168			275	10x25										191			38					
VR3-300x42Z	178			300	11x25										211			42					
VR4-80x7Z	58	22	11	80	1x40	20	10.2	4.5	M5	4.3	8	4.2	2.5	4	51	4.5	7	7	-5	0.764	0.637	0.8	
VR4-120x11Z	82			120	2x40										79			11					
VR4-160x15Z	106			160	3x40										107			15					
VR4-200x19Z	130			200	4x40										135			19					
VR4-240x23Z	154			240	5x40										163			23					
VR4-280x27Z	178			280	6x40										191			27					
VR4-320x31Z	202			320	7x40										219			31					
VR4-360x35Z	226			360	8x40										247			35					
VR4-400x39Z	250			400	9x40										275			39					
VR4-440x43Z	274			440	10x40										303			43					
VR4-480x47Z	298			480	11x40										331			47					
VR6-100x7Z	56	30	15	100	1x50	25	14.4	6	M6	5.2	9.5	5.2	3	6	72	6	10	7	-7	1.91	1.76	1.5	
VR6-150x10Z	96			150	2x50										102			10					
VR6-200x13Z	136			200	3x50										132			13					
VR6-250x17Z	156			250	4x50										172			17					
VR6-300x20Z	196			300	5x50										202			20					
VR6-350x24Z	216			350	6x50										242			24					
VR6-400x27Z	256			400	7x50										272			27					
VR6-450x31Z	276			450	8x50										312			31					
VR6-500x34Z	316			500	9x50										342			34					
VR6-550x38Z	336			550	10x50										382			38					
VR6-600x41Z	376			600	11x50										412			41					

1kN=102kgf

VR型交叉滚子导轨 VR type cross roller guide

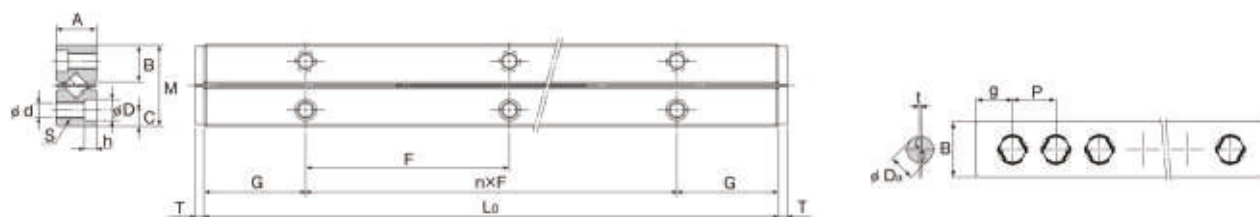


规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																	容许 预压量 Allowable Preload δ μm	基本额定负荷 (每1个滚子) Basic Load Flating		质量 (轨道) Mass (orbit) kg/m
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension										保持架尺寸 Cage Size							
		M	A	L ₀	n×F	G	B	C	S	d	D	h	T	Da	R	g	P	Z				
VR9-200x10Z	118	40 (40,74)	20	200	1x100	50	19.2	8	M8	6.8	10.5	6.2	4	9 (9,525)	141	7.5	14	10	-10	4.31	4.36	3.2
VR9-300x15Z	178			300	2x100										211			15				
VR9-400x20Z	238			400	3x100										281			20				
VR9-500x25Z	298			500	4x100										351			25				
VR9-600x30Z	358			600	5x100										421			30				
VR9-700x35Z	418			700	6x100										491			35				
VR9-800x40Z	478			800	7x100										561			40				
VR9-900x45Z	538			900	8x100										631			45				
VR9-1000x50Z	598			1000	9x100										701			50				
VR9-1100x55Z	658			1100	10x100										771			55				
VR9-1200x60Z	718			1200	11x100										841			60				

THK标准

VB型交叉滚珠导轨

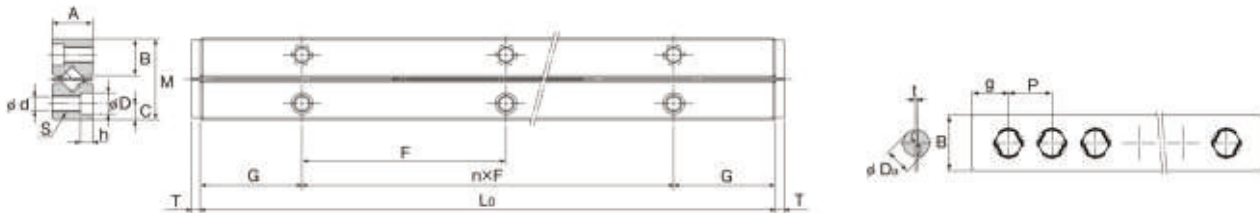
THK standard
VB type cross ball guide



规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																	容许 预压量 Allowable Preload δ μm	基本额定负荷 (每1个滚子) Basic Load Flating		质量 (轨道) Mass (orbit) kg/m	
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension										保持架尺寸 Cage Size					C ₂ kN	C ₀₂ kN		
		M	A	L ₀	n×F	G	B	C	S	d	D	h	T	Da	R	g	P	Z					
VB2-30x5Z	18	12	6	30	1x15	7.5	5.6	2.5	M3	2.55	4.4	2	2	2	21	3	4	5	-3	0.176	0.127	0.23	
VB2-45x8Z	24			45	2x15										33			8					
VB2-60x11Z	30			60	3x15										45			11					
VB2-75x13Z	44			75	4x15										53			13					
VB2-90x16Z	50			90	5x15										65			16					
VB2-105x18Z	64			105	6x15										73			18					
VB2-120x21Z	70			120	7x15										85			21					
VB2-135x23Z	84			135	4x15										93			23					
VB2-150x26Z	90			150	5x15										105			26					
VB2-165x29Z	96			165	6x15										117			29					
VB2-180x32Z	102			180	7x15										129			32					

1kN≈102kgf

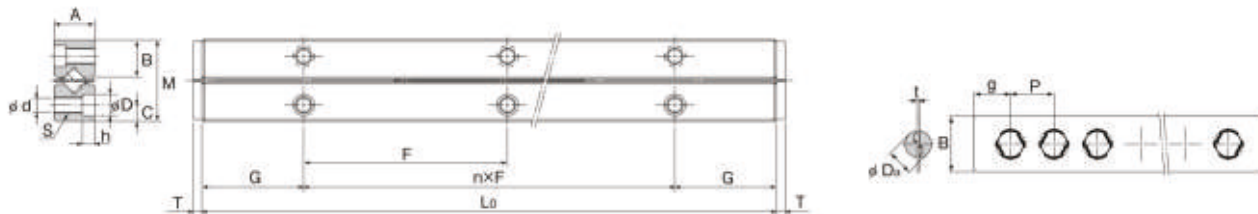
VB型交叉滚珠导轨 VB type cross ball guide



规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																	容许 预压量 Allowable Preload	基本额定负荷 (每1个滚子) Basic Load Flating		质量 (轨道) Mass (orbit) kg/m
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension										保持架尺寸 Cage Size					C _z kN	C _{0z} kN	
		M	A	L ₀	n × F	G	B	C	S	d	D	h	T	Da	R	g	P	Z	δ μm			
VB3-50x7Z	28	18	8	50	1x25	12.5	8.3	3.5	M4	3.3	6	3.1	2.5	3	36	4.5	6	7	-4	0.363	0.275	0.45
VB3-75x10Z	54			75	2x25										48			10				
VB3-100x14Z	68			100	3x25										66			14				
VB3-125x17Z	82			125	4x25										84			17				
VB3-150x21Z	96			150	5x25										102			21				
VB3-175x24Z	110			175	6x25										120			24				
VB3-200x28Z	124			200	7x25										138			28				
VB3-225x31Z	138			225	8x25										156			31				
VB3-250x35Z	152			250	9x25										174			35				
VB3-275x38Z	178			275	10x25										186			38				
VB3-300x42Z	180			300	11x25										210			42				
VB4-80x7Z	58	22	11	80	1x40	20	10.2	4.5	M5	4.3	8	4.2	2	4	51	4.5	7	7	-5	0.764	0.637	0.8
VB4-120x11Z	82			120	2x40										79			11				
VB4-160x15Z	106			160	3x40										107			15				
VB4-200x19Z	130			200	4x40										135			19				
VB4-240x23Z	154			240	5x40										163			23				
VB4-280x27Z	178			280	6x40										191			27				
VB4-320x31Z	202			320	7x40										219			31				
VB4-360x35Z	226			360	8x40										247			35				
VB4-400x39Z	250			400	9x40										275			39				
VB4-440x43Z	274			440	10x40										303			43				
VB4-480x47Z	298			480	11x40										331			47				

1kN≈102kgf

VB型交叉滚珠导轨 VB type cross ball guide



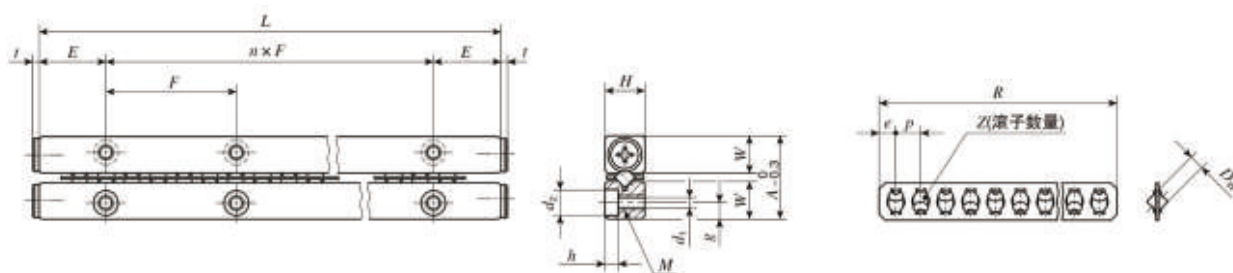
规格型号 Specification	最大行程 Max Stroke (mm)	主要尺寸 Main Size (mm)																	容许 预压量 Allowable Preload δ μm	基本额定负荷 (每1个滚子) Basic Load Flating C _z kN C _{0z} kN		质量 (轨道) Mass (orbit) kg/m
		组合尺寸 Combination Size			安装尺寸 Mounting Dimension										保持架尺寸 Cage Size							
		M	A	L ₀	n×F	G	B	C	S	d	D	h	T	Da	R	g	P	Z				
VB6-100x7Z	56	30	15	100	1x50	25	14.4	6	M6	5.2	9.5	5.2	3.2	6	72	6	10	7	-7	1.91	1.76	1.5
VB6-150x10Z	96			150	2x50										102			10				
VB6-200x13Z	136			200	3x50										132			13				
VB6-250x17Z	156			250	4x50										172			17				
VB6-300x20Z	196			300	5x50										202			20				
VB6-350x24Z	216			350	6x50										242			24				
VB6-400x27Z	256			400	7x50										272			27				
VB6-450x31Z	276			450	8x50										312			31				
VB6-500x34Z	316			500	9x50										342			34				
VB6-550x38Z	336			550	10x50										382			38				
VB6-600x41Z	376			600	11x50										412			41				
VB9-200x10Z	118	40 (40.74)	20	200	1x100	50	19.2	8	M8	6.8	10.5	6.2	4	9 (9.525)	141	8.5	14	10	-10	4.31	4.36	3.2
VB9-300x15Z	178			300	2x100										211			15				
VB9-400x20Z	238			400	3x100										281			20				
VB9-500x25Z	298			500	4x100										351			25				
VB9-600x30Z	358			600	5x100										421			30				
VB9-700x35Z	418			700	6x100										491			35				
VB9-800x40Z	478			800	7x100										561			40				
VB9-900x45Z	538			900	8x100										631			45				
VB9-1000x50Z	598			1000	9x100										701			50				
VB9-1100x55Z	658			1100	10x100										771			55				
VB9-1200x60Z	718			1200	11x100										841			60				

1kN=102kgf

IKO标准

CRW型交叉滚子导轨

IKO standard
CRW type cross roller guide



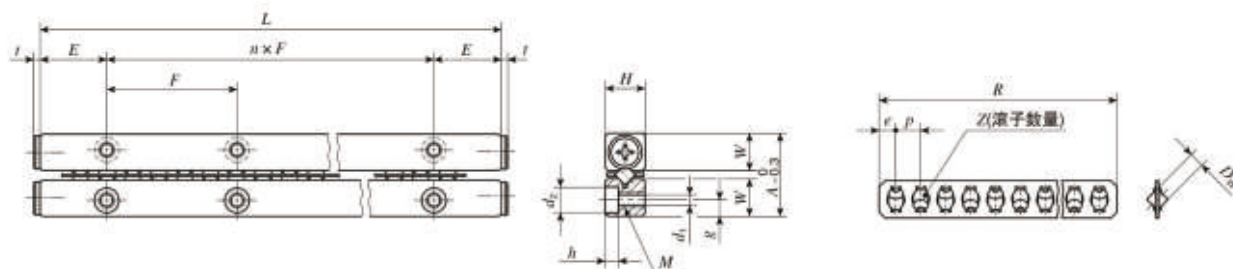
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																基本额定 动负荷	基本额定 静负荷	容许 负荷
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension							Basic rated dynamic load	Basic Static Load Rating	Allowable Load
	(kg/m)	g	A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d _i	d ₂	h	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N
CRW1-20	0.12	0.38	8.5	4	20(1x10)	5	1.5	16.5	5	3	2.25	3.9	1.8	M2	1.65	3	1.4	1.7	125	120	39.8
CRW1-30					30(1x10)			25.5	8												
CRW1-40					40(1x10)			31.5	10												
CRW1-50					50(1x10)			37.5	12												
CRW1-60					60(1x10)			43.5	14												
CRW1-70					70(1x10)			52.5	17												
CRW1-80					80(1x10)			61.5	20												
CRW2-30	0.24	0.98	12	6	30(1x15)	7.5	2	29.6	7	4	2.8	5.5	2.5	M3	2.55	4.4	2	1.5	193	194	97.9
CRW2-45					45(2x15)			41.6	10												
CRW2-60					60(3x15)			53.6	13												
CRW2-75					75(4x15)			65.6	16												
CRW2-90					90(5x15)			77.6	19												
CRW2-105					105(6x15)			89.6	22												
CRW2-120					120(7x15)			101.6	25												
CRW2-135					135(8x15)			113.6	28												
CRW2-150					150(9x15)			125.6	31												
CRW2-165					165(10x15)			137.6	34												
CRW2-180					180(11x15)			149.6	37												

注⁽¹⁾ 表示1根滑轨每米的质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the mass per meter of a slide rail.⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRW型交叉滚子导轨 CRW type cross roller guide



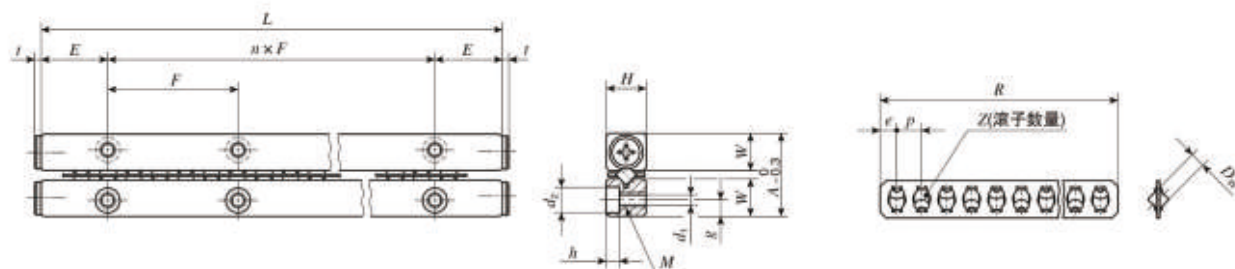
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																基本额定 动负荷 Basic rated dynamic load C _r ⁽¹⁾ N	基本额定 静负荷 Basic Static Load Rating C ₀ ⁽²⁾ N	容许 负荷 Allowable Load F _a ⁽³⁾ N		
	滑轨 ⁽¹⁾ Slide Rail (kg/m)	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer g	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension										
			A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t					
CRW3-50	0.50	2.96	18	8	50(1x25)	12.5	3	42	8	5	3.5	8.3	3.5	M4	3.3	6	3.1	2	638	609	203		
CRW3-75					75(2x25)			62	12														
CRW3-100					100(3x25)			82	16														
CRW3-125					125(4x25)			102	20														
CRW3-150					150(5x25)			122	24														
CRW3-175					175(6x25)			142	28														
CRW3-200					200(7x25)			162	32														
CRW3-225					225(8x25)			182	36														
CRW3-250					250(9x25)			202	40														
CRW3-275					275(10x25)			222	44														
CRW3-300					300(11x25)			242	48														
CRW4-80					0.82			6.91	22													11	80(1x40)
CRW4-120	120(2x40)	101	14																				
CRW4-160	160(3x40)	136	19																				
CRW4-200	200(4x40)	164	23																				
CRW4-240	240(5x40)	199	28																				
CRW4-280	280(6x40)	227	32																				
CRW4-320	320(7x40)	262	37																				
CRW4-360	360(8x40)	297	42																				
CRW4-400	400(9x40)	325	46																				
CRW4-440	440(10x40)	360	51																				
CRW4-480	480(11x40)	388	55																				

注⁽¹⁾ 表示1根滑轨每米的质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the mass per meter of a slide rail.⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRW型交叉滚子导轨 CRW type cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load		
	滑轨 (¹) Slide Rail (kg/m)	附带保持器 的圆柱滚子 (²) Cylindrical Roller With Retainer g	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension										
			A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t					
CRW6-100	1.57	20.3	31	15	100(1x50)	25	6	84	9	9	6	14	6	M6	5.3	9.5	5.2	3	2570	2310	769		
CRW6-150					150(2x50)			129	14														
CRW6-200					200(3x50)			168	18														
CRW6-250					250(4x50)			210	23														
CRW6-300					300(5x50)			246	27														
CRW6-350					350(6x50)			282	31														
CRW6-400					400(7x50)			327	36														
CRW6-450					450(8x50)			363	40														
CRW6-500					500(9x50)			408	45														
CRW6-550					550(10x50)			444	49														
CRW6-600					600(11x50)			489	54														
CRW9-200					3.3			64.8	44													22	200(1x100)
CRW9-300	300(2x100)	257	18																				
CRW9-400	400(3x100)	327	23																				
CRW9-500	500(4x100)	411	29																				
CRW9-600	600(5x100)	495	35																				
CRW9-700	700(6x100)	565	40																				
CRW9-800	800(7x100)	649	46																				
CRW9-900	900(8x100)	733	52																				
CRW9-1000	1000(9x100)	817	58																				
CRW9-1100	1100(10x100)	887	63																				
CRW9-1200	1200(11x100)	971	69																				

$$1\text{N}\approx 0.102\text{kgf}$$

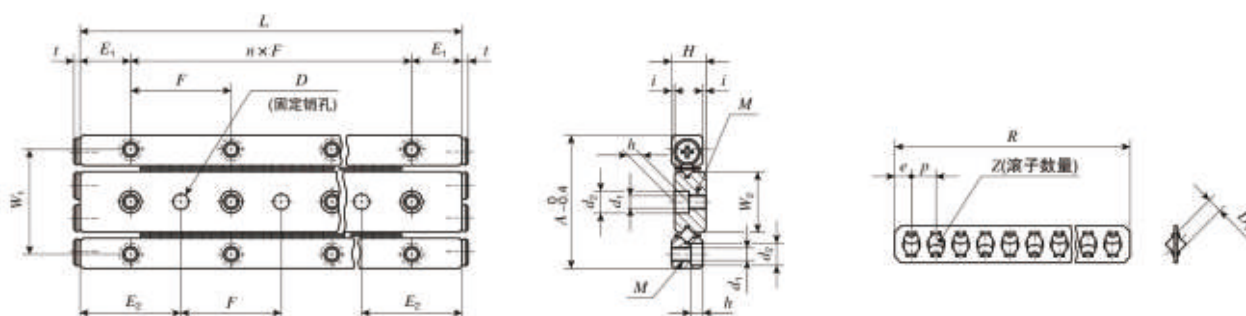
Note⁽¹⁾ Represents the mass per meter of a slide rail. ⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers. ⁽³⁾ Represents the load of each cylindrical roller.

IKO标准

CRWM型三排交叉滚子导轨

IKO standard

CRWM three-row cross roller guide



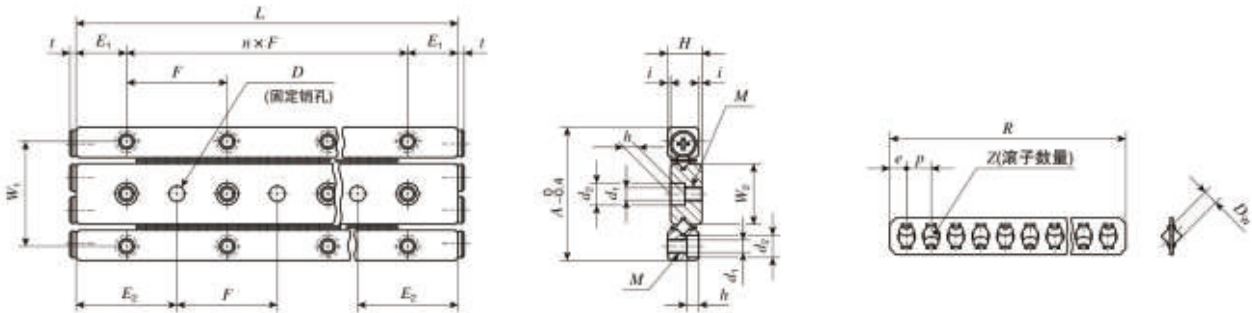
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																				基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance			附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension													
	(kg/m)	g	A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C _{0a} ⁽³⁾ N	F ₀ ⁽³⁾ N
CRWM1-20	0.49	0.38	17	4.5	20(1x10)	0.5	1.5	13	5	2.5	2.25	13.4	7.8	5	10	M2	1.65	3	1.4	2	+0.01 00	1.7	125	120	39.8
CRWM1-30					30(2x10)			18	7																
CRWM1-40					40(3x10)			25	10																
CRWM1-50					50(4x10)			33	13																
CRWM1-60					60(5x10)			40	16																
CRWM1-70					70(6x10)			48	19																
CRWM1-80					80(7x10)			53	21																
CRWM2-30	0.99	0.98	24	6.5	30(1x15)	0.5	2	29.6	7	4	2.8	19	11	7.5	15	M3	2.55	4.4	2	3	+0.01 00	1.5	293	294	97.9
CRWM2-45					45(2x15)			41.6	10																
CRWM2-60					60(3x15)			53.6	13																
CRWM2-75					75(4x15)			65.6	16																
CRWM2-90					90(5x15)			77.6	19																
CRWM2-105					105(6x15)			89.6	22																
CRWM2-120					120(7x15)			101.6	25																
CRWM2-135					135(8x15)			113.6	28																
CRWM2-150					150(9x15)			125.6	31																
CRWM2-165					165(10x15)			137.6	34																
CRWM2-180					180(11x15)			149.6	37																

注⁽¹⁾ 表示1组滑轨(3根)每米的合计质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the total mass per meter of 1 group of rails (3).⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRWM型三排交叉滚子导轨 CRWM three-row cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																			基本额定 动负荷	基本额定 静负荷	容许 负荷				
	滑轨(1) Slide Rail	附带保持器 的圆柱滚子(2) Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension													Basic rated dynamic load	Basic Static Load Rating	Allowable Load
			A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ (3) N	C ₀₀ (3) N	F ₀ (3) N			
CRWM3-50	1.99	2.96	36	8.5	50(1x25)	0.5	3	42	8	5	3.5	29	16.6	12.5	25	M4	3.3	6	3.1	4	+0.012 0	2	638	609	203			
CRWM3-75					75(2x25)			62	12																			
CRWM3-100					100(3x25)			82	16																			
CRWM3-125					125(4x25)			102	20																			
CRWM3-150					150(5x25)			122	24																			
CRWM3-175					175(6x25)			142	28																			
CRWM3-200					200(7x25)			162	32																			
CRWM3-225					225(8x25)			182	36																			
CRWM3-250					250(9x25)			202	40																			
CRWM3-275					275(10x25)			222	44																			
CRWM3-300					300(11x25)			242	48																			
CRWM4-80	3.28	6.91	44	11.5	80(1x40)	0.5	4	73	10	7	5	35	20	20	40	M5	4.3	7.5	4.1	5	+0.012 0	2	1230	1180	392			
CRWM4-120					120(2x40)			101	14																			
CRWM4-160					160(3x40)			136	19																			
CRWM4-200					200(4x40)			164	23																			
CRWM4-240					240(5x40)			199	28																			
CRWM4-280					280(6x40)			227	32																			
CRWM4-320					320(7x40)			262	37																			
CRWM4-360					360(8x40)			297	42																			
CRWM4-400					400(9x40)			325	46																			
CRWM4-440					440(10x40)			360	51																			
CRWM4-480					480(11x40)			388	55																			

注(1) 表示1组滑轨(3根)每米的合计质量。(2) 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。(3) 表示每个圆柱滚子的负荷。
Note(1) Represents the total mass per meter of 1 group of rails (3). (2) Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers. (3) Represents the load of each cylindrical roller.

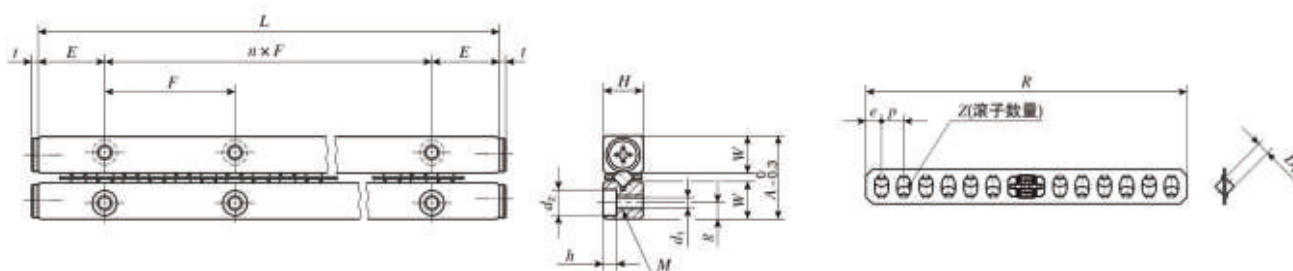
1N=0.102kgf

IKO标准

CRWG型防蠕动交叉滚子导轨

IKO standard

CRWG type anti-creep cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																	最大行程 Maximum Stroke	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating	容许负荷 Allowable Load
	滑轨 ⁽¹⁾ Slide Rail	附带保持器的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension										
			A	H	L (n x F)	E	D _w	R	Z	P	e	W	g	M	d ₁	d ₂	h	t					
CRWG2-30	6.53	0.38	12	6	30(1x15)	7.5	2	25.6	4	4	2.8	5.5	2.5	M3	2.55	4.4	2	1.5	9	913	1180	392	
CRWG2-45	9.53	0.72			45(2x15)			41.6	8										7	1570	2350	783	
CRWG2-60	12.5	0.88			60(3x15)			49.6	10										21	1860	2940	979	
CRWG2-75	15.5	1.22			75(4x15)			65.5	14										19	2420	4110	1370	
CRWG2-90	18.5	1.39			90(5x15)			73.6	16										33	2680	4700	1570	
CRWG2-105	21.5	1.72			105(6x15)			89.6	20										31	3190	5880	1960	
CRWG2-120	24.5	1.89			120(7x15)			97.6	22										45	3440	6460	2150	
CRWG2-135	27.5	2.22			135(8x15)			113.6	26										43	3910	7640	2550	
CRWG2-150	30.5	2.39			150(9x15)			121.6	28										57	4150	8230	2740	
CRWG3-50	22.8	1.69	18	8	50(1x25)	12.5	3	42	6	5	3.5	8.3	3.5	M4	3.3	6	3.1	2	13	2740	3660	1220	
CRWG3-75	33.3	2.71			75(2x15)			62	10										23	4080	6090	2030	
CRWG3-100	43.8	3.72			100(3x15)			82	14										33	5300	8530	2840	
CRWG3-125	54.4	4.74			125(4x15)			102	18										43	6440	11000	3660	
CRWG3-150	64.9	5.75			150(5x15)			122	22										53	7530	13400	4470	
CRWG3-175	75.4	6.77			175(6x15)			142	26										63	8570	15800	5280	
CRWG3-200	85.9	7.78			200(7x15)			162	30										73	9580	18300	6090	
CRWG3-225	96.4	8.80			225(8x15)			182	34										83	10600	20700	6910	
CRWG3-250	107	9.81			250(9x15)			202	38										93	11500	23200	7720	

注⁽¹⁾ 表示每根滑轨的质量。

⁽²⁾ 表示每组附带保护器的圆柱滚子的质量。

⁽³⁾ 表示4根滑轨、2组附带保持器的圆柱滚子成套并列使用时的值。

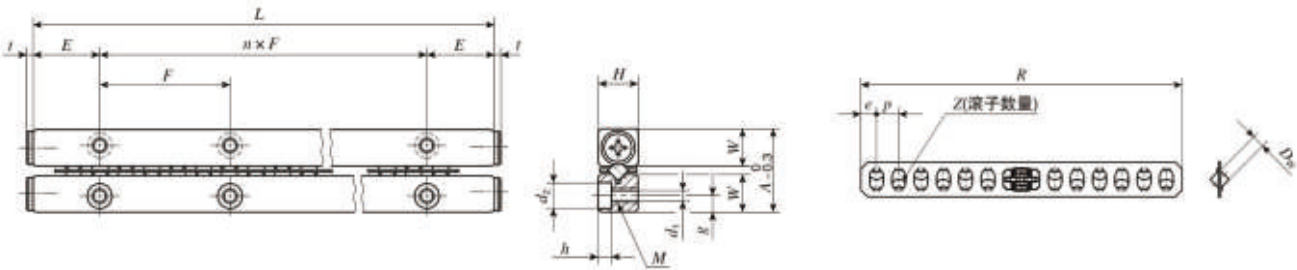
Note⁽¹⁾ Represents the mass of each rail.

⁽²⁾ Represents the mass of each set of cylindrical rollers with protectors.

⁽³⁾ Represents the value of 4 slides and 2 sets of cylindrical rollers with retainers when used side by side.

1N=0.102kgf

CRWG型防蠕动交叉滚子导轨 CRWG type anti-creep cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																最大行程 Maximum Stroke	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating	容许负荷 Allowable Load		
	滑轨 ⁽¹⁾ Slide Rail	附带保持器的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension											
			A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t						
g	g		A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t	mm	C ⁽³⁾ N	C ₀ ⁽³⁾ N	F ⁽³⁾ N		
CRWG4-80	59.6	9.70	22	11	80(1x40)	20	4	73	8	7	5	10	4.5	M5	4.3	7.5	4.1	2	14	6690	7400	3130		
CRWG4-120	88.0	12.0			120(2x40)			101	12										38	9180	14100	470		
CRWG4-160	116	14.3			160(3x40)			129	16										62	11500	18800	6270		
CRWG4-200	145	16.7			200(4x40)			157	20										86	13700	23500	7830		
CRWG4-240	173	20.1			240(5x40)			199	26										82	16700	30600	10200		
CRWG4-280	201	22.5			280(6x40)			227	30										106	18700	35300	11800		
CRWG4-320	230	24.8			320(7x40)			255	34										129	20600	40000	13300		
CRWG6-100	147	12.0	31	15	100(1x50)	25	6	75	6	9	6	14	6	M6	5.3	9.5	5.2	3	48	11200	13800	4610		
CRWG6-150	216	22.6			150(2x50)			129	12										40	19300	27700	9230		
CRWG6-200	285	29.7			200(3x50)			165	16										68	24100	36900	12300		
CRWG6-250	353	36.8			250(4x50)			201	20										96	28700	46100	15400		
CRWG6-300	422	43.9			300(5x50)			237	24										124	33000	55400	18500		
CRWG6-350	491	51.0			200(6x50)			273	28										151	37200	64600	21500		
CRWG9-200	-	-	40	20	300(1x100)	50	9	168	10	14	7	19.2	8	M8	6.8	9.5	10.5	4	-	-	-	-		
CRWG9-300	-	-			120(2x100)			252	16										-	-	-	-		
CRWG9-400	-	-			400(3x100)			308	20										-	-	-	-		
CRWG9-500	-	-			500(4x100)			392	26										-	-	-	-		
CRWG9-600	-	-			600(5x100)			448	30										-	-	-	-		
CRWG9-700	-	-			700(6x100)			532	36										-	-	-	-		
CRWG9-800	-	-			800(7x100)			588	40										-	-	-	-		

注⁽¹⁾ 表示每根滑轨的质量。
⁽²⁾ 表示每组附带保持器的圆柱滚子的质量。
⁽³⁾ 表示4根滑轨、2组附带保持器的圆柱滚子成套并列使用时的值。

Note⁽¹⁾ Represents the mass of each rail.
⁽²⁾ Represents the mass of each set of cylindrical rollers with protectors.
⁽³⁾ Represents the value of 4 slides and 2 sets of cylindrical rollers with retainers when used side by side.

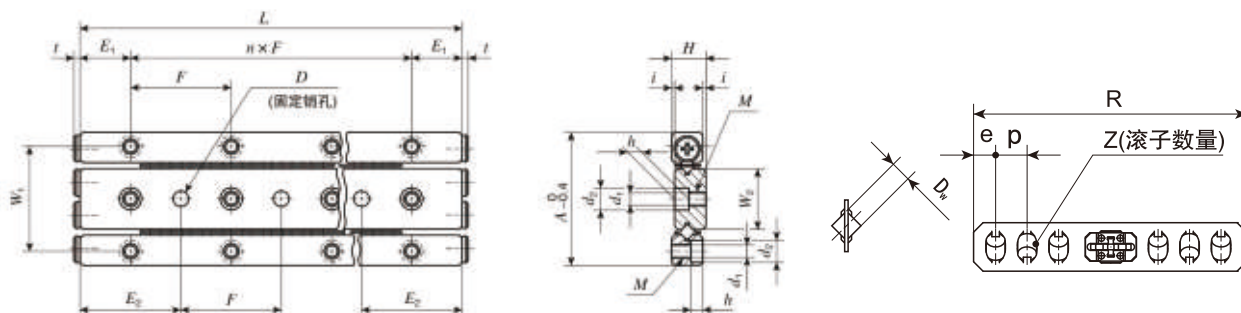
1N=0.102kgf

IKO标准

CRWMG型三排防蠕动交叉导轨

IKO standard

CRWMG three-row anti-creep cross guide rail



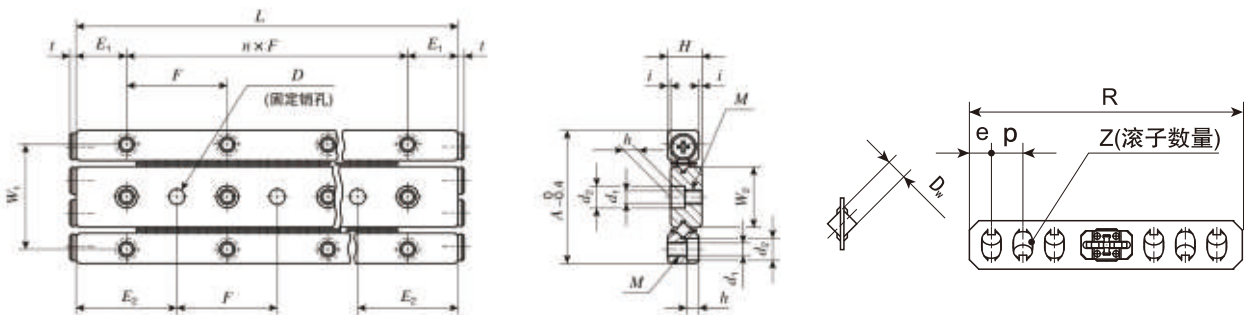
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																				基本额定 动负荷	基本额定 静负荷	容许 负荷
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension											Basic rated dynamic load	Basic Static Load Rating	Allowable Load
	(kg/m)	g	A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N
CRWMG2-30	0.99	0.98	24	6.5	30(1x15)	0.5	2	25.6	4	4	2.8	19	11	7.5	15	M3	2.55	4.4	2	3	+0.01 00	1.5	293	294	97.9
CRWMG2-45					45(2x15)			41.6	8																
CRWMG2-60					60(3x15)			49.6	10																
CRWMG2-75					75(4x15)			65.6	14																
CRWMG2-90					90(5x15)			73.6	16																
CRWMG2-105					105(6x15)			89.6	20																
CRWMG2-120					120(7x15)			97.6	22																
CRWMG2-135					135(8x15)			113.6	26																
CRWMG2-150					150(9x15)			121.6	28																
CRWMG3-50	1.99	2.96	36	8.5	50(1x25)	0.5	3	42	6	5	3.5	29	16.6	12.5	25	M4	3.3	6	3.1	4	+0.01 20	2	638	609	203
CRWMG3-75					75(2x25)			62	10																
CRWMG3-100					100(3x25)			82	14																
CRWMG3-125					125(4x25)			102	18																
CRWMG3-150					150(5x25)			122	22																
CRWMG3-175					175(6x25)			142	26																
CRWMG3-200					200(7x25)			162	30																
CRWMG3-225					225(8x25)			182	34																
CRWMG3-250					250(9x25)			202	38																

注⁽¹⁾ 表示1根滑轨每米的质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the mass per meter of a slide rail.⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRWMG型三排防蠕动交叉导轨 CRWMG three-row anti-creep cross guide rail



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																		基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load		
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension													
	(kg/m)		A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N
CRWMG4-80	3.28	6.91	44	11.55	80(1x40)	0.5	4	73	8	7	5	35	20	20	40	M5	4.3	7.5	4.1	5	+0.01 20	2	1230	1180	392
CRWMG4-120					120(2x40)			101	12																
CRWMG4-160					160(3x40)			129	16																
CRWMG4-200					200(4x40)			157	20																
CRWMG4-240					240(5x40)			199	26																
CRWMG4-280					280(6x40)			227	30																
CRWMG4-320					320(7x40)			255	34																

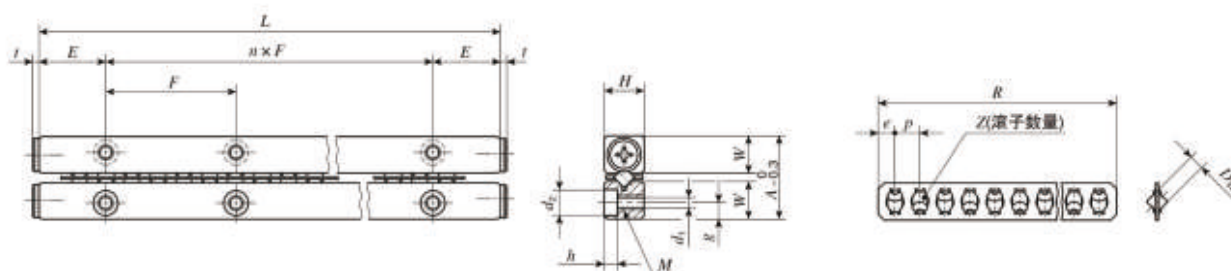
注⁽¹⁾ 表示1根滑轨每米的质量。(2) 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。(3) 表示每个圆柱滚子的负荷。1N=0.102kgf
Note⁽¹⁾ Represents the mass per meter of a slide rail.(2) Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.(3) Represents the load of each cylindrical roller.

IKO标准

CRW-H型交叉滚子导轨

IKO standard

CRW-H type cross roller guide



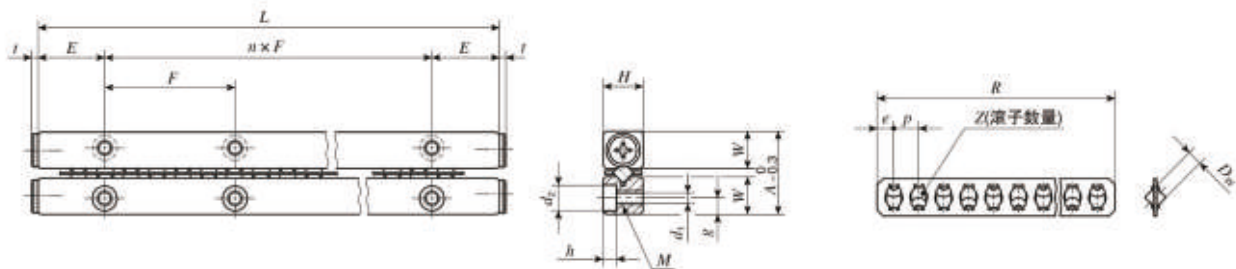
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																基本额定 动负荷	基本额定 静负荷	容许 负荷		
	滑轨 ⁽¹⁾ Slide Rail	附帶保持器 的圓柱滾子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附帶保持器的圓柱滾子 Cylindrical Roller With Retainer						安裝尺寸 Mounting Dimension								Basic rated dynamic load	Basic Static Load Rating	Allowable Load
	(kg/m)	g	A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t	C _u ⁽³⁾ N	C _{0u} ⁽³⁾ N	F _{0u} ⁽³⁾ N		
CRW2-30H	0.24	0.98	12	6	30(1x15)	7.5	2	20	8	2.5	2	5.5	2.5	M3	2.55	4.4	2	1.5	193	194	97.9		
CRW2-45H									32													12	
CRW2-60H									44													17	
CRW2-75H									52													20	
CRW2-90H									64													25	
CRW2-105H									72													28	
CRW2-120H									84													33	
CRW2-135H									92													36	
CRW2-150H									104													41	
CRW2-165H									116													46	
CRW2-180H									128													51	

注⁽¹⁾ 表示1根滑轨每米的质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the mass per meter of a slide rail.⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRW-H型交叉滚子导轨 CRW-H type cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load		
	滑轨 ⁽¹⁾ Slide Rail (kg/m)	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer g	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension										
			A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t					
CRW3-50H	0.50	2.96	18	8	50(1x25)	12.5	3	35	9	3.8	2.5	8.3	3.5	M4	3.3	6	3.1	2	638	609	203		
CRW3-75H					75(2x25)			50	13														
CRW3-100H					100(3x25)			70	18														
CRW3-125H					125(4x25)			85	22														
CRW3-150H					150(5x25)			105	27														
CRW3-175H					175(6x25)			120	31														
CRW3-200H					200(7x25)			140	36														
CRW3-225H					225(8x25)			155	40														
CRW3-250H					250(9x25)			175	46														
CRW3-275H					275(10x25)			190	50														
CRW3-300H					300(11x25)			210	55														
CRW4-80H	0.82	6.91	22	11	80(1x40)	20	4	49	10	4.8	3	10	4.5	M5	4.3	7.5	4.1	2	1230	1180	392		
CRW4-120H					120(2x40)			77	16														
CRW4-160H					160(3x40)			105	21														
CRW4-200H					200(4x40)			133	27														
CRW4-240H					240(5x40)			161	33														
CRW4-280H					280(6x40)			189	39														
CRW4-320H					320(7x40)			217	45														
CRW4-360H					360(8x40)			245	51														
CRW4-400H					400(9x40)			273	56														
CRW4-440H					440(10x40)			301	62														
CRW4-480H					480(11x40)			329	68														

注⁽¹⁾ 表示1根滑轨每米的质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。
Note⁽¹⁾ Represents the mass per meter of a slide rail.⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

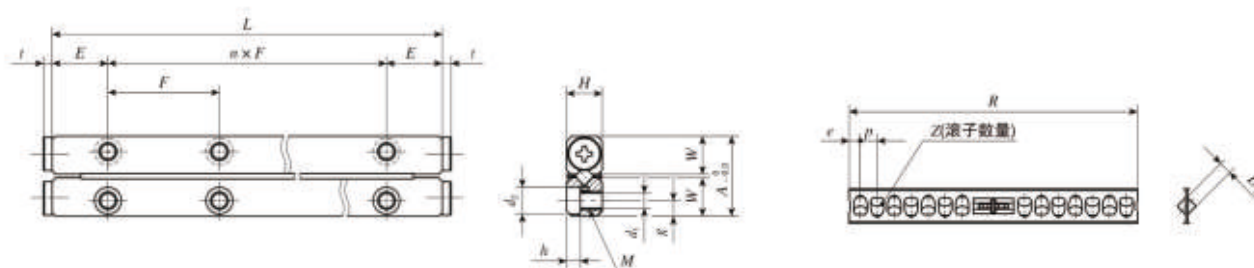
1N=0.102kgf

IKO标准

CRWG-H型防蠕动交叉滚子导轨

IKO standard

CRWG-H type anti-creep cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																最大行程 Maximum Stroke	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating	容许负荷 Allowable Load																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	滑轨 ⁽¹⁾ Slide Rail	附带保持器的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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注⁽¹⁾ 表示每根滑轨的质量。

⁽²⁾ 表示每组附带保护器的圆柱滚子的质量。

⁽³⁾ 表示4根滑轨、2组附带保护器的圆柱滚子成套并列使用时的值。

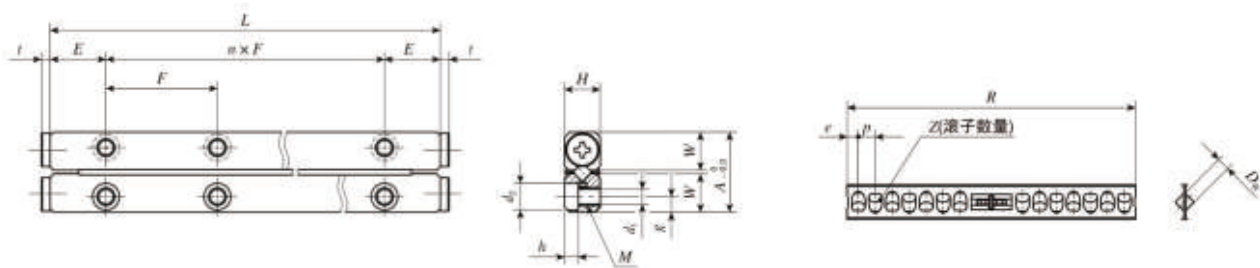
Note⁽¹⁾ Represents the mass of each rail.

⁽²⁾ Represents the mass of each set of cylindrical rollers with protectors.

⁽³⁾ Represents the value of 4 slides and 2 sets of cylindrical rollers with retainers when used side by side.

1N=0.102kgf

CRWG-H型防蠕动交叉滚子导轨 CRWG-H type anti-creep cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸 Main Size (mm)																最大行程 Maximum Stroke	基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load	
	滑轨(1) Slide Rail	附带保持器 的圆柱滚子(2) Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension											
			A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t					
	g	g	A	H	L (n x F)	E	D _w	R	Z	p	e	W	g	M	d ₁	d ₂	h	t	mm	C ⁽³⁾ N	C ₀ ⁽³⁾ N	F ⁽³⁾ N	
CRWG4-80H	61.4	4.35	22	11	80(1x40)	20	4	59.4	10	4.8	3	10.6	4.5	M5	4.3	7.5	4.1	2	45	10500	17100	5690	
CRWG4-120H	92.7	6.80			120(2x40)			88.2	16										67	15200	27300	9100	
CRWG4-160H	124	9.25			160(3x40)			117	22										90	19500	37500	12500	
CRWG4-200H	155	11.7			200(4x40)			145.8	28										112	23500	47800	15900	
CRWG4-240H	186	15.0			240(5x40)			184.2	36										115	28600	61400	20500	
CRWG4-280H	218	17.4			280(6x40)			213	42										138	32200	71700	23900	
CRWG4-320H	249	19.9			320(7x40)			241.8	48										160	35700	81900	27300	

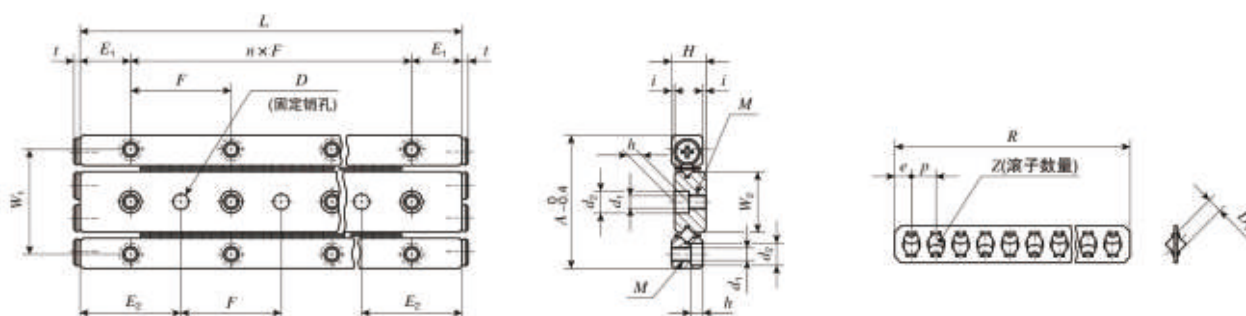
注⁽¹⁾ 表示每根滑轨的质量。 Note⁽¹⁾ Represents the mass of each rail. 1N=0.102kgf
⁽²⁾ 表示每组附带保护器的圆柱滚子的质量。 ⁽²⁾ Represents the mass of each set of cylindrical rollers with protectors.
⁽³⁾ 表示4根滑轨、2组附带保持器的圆柱滚子成套并列使用时的值。 ⁽³⁾ Represents the value of 4 slides and 2 sets of cylindrical rollers with retainers when used side by side.

IKO标准

CRWM-H型三排交叉滚子导轨

IKO standard

CRWM-H type three row cross roller guide



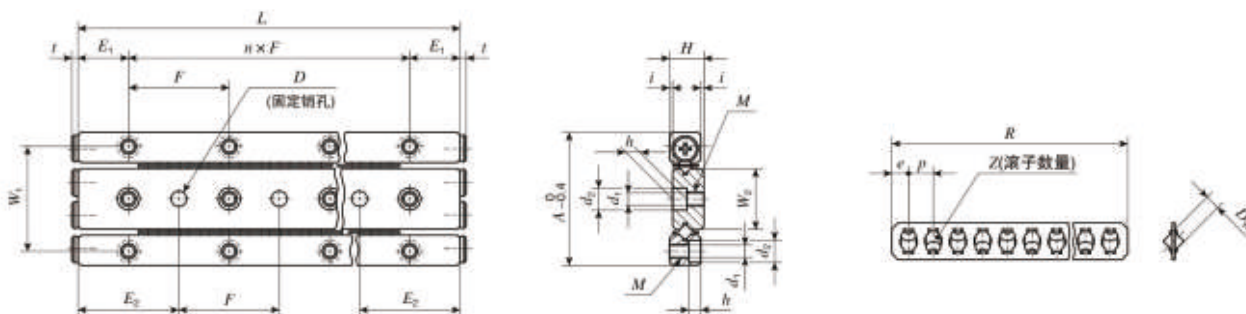
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																				基本额定 动负荷	基本额定 静负荷	容许 负荷
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension											Basic rated dynamic load	Basic Static Load Rating	Allowable Load
	(kg/m)	g	A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N
CRWM2-30H	0.99	0.98	24	6.5	30(1x15)	0.5	2	20	8	2.5	2	19	11	7.5	15	M3	2.55	4.4	2	3	+0.01 00	1.5	293	294	97.9
CRWM2-45H					45(2x15)			32	12																
CRWM2-60H					60(3x15)			44	17																
CRWM2-75H					75(4x15)			52	20																
CRWM2-90H					90(5x15)			64	25																
CRWM2-105H					105(6x15)			72	28																
CRWM2-120H					120(7x15)			84	33																
CRWM2-135H					135(8x15)			92	36																
CRWM2-150H					150(9x15)			104	41																
CRWM2-165H					165(10x15)			116	46																
CRWM2-180H					180(11x15)			128	51																

注⁽¹⁾ 表示1组滑轨(3根)每米的合计质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the total mass per meter of 1 group of rails (3).⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRWM-H型三排交叉滚子导轨 CRWM-H type three row cross roller guide



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																	基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	容许 负荷 Allowable Load			
	滑轨(°) Slide Rail (kg/m)	附带保持器 的圆柱滚子(°) Cylindrical Roller With Retainer g	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension												
			A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h				D	尺寸 公差	t
CRWM3-50H	1.99	2.96	36	8.5	50(1x25)	0.5	3	25	9	3.8	2.5	29	16.6	12.5	25	M4	3.3	6	3.1	4	+0.01 20	2	638	609	203
CRWM3-75H					75(2x25)			50	13																
CRWM3-100H					100(3x25)			70	18																
CRWM3-125H					125(4x25)			85	22																
CRWM3-150H					150(5x25)			105	27																
CRWM3-175H					175(6x25)			120	31																
CRWM3-200H					200(7x25)			140	36																
CRWM3-225H					225(8x25)			155	40																
CRWM3-250H					250(9x25)			175	46																
CRWM3-275H					275(10x25)			190	50																
CRWM3-300H					300(11x25)			210	55																
CRWM4-80H					3.28			6.91	44																
CRWM4-120H	120(2x40)	77	16																						
CRWM4-160H	160(3x40)	105	21																						
CRWM4-200H	200(4x40)	133	27																						
CRWM4-240H	240(5x40)	161	33																						
CRWM4-280H	280(6x40)	189	29																						
CRWM4-320H	320(7x40)	217	45																						
CRWM4-360H	360(8x40)	245	51																						
CRWM4-400H	400(9x40)	273	56																						
CRWM4-440H	440(10x40)	301	62																						
CRWM4-480H	480(11x40)	329	68																						

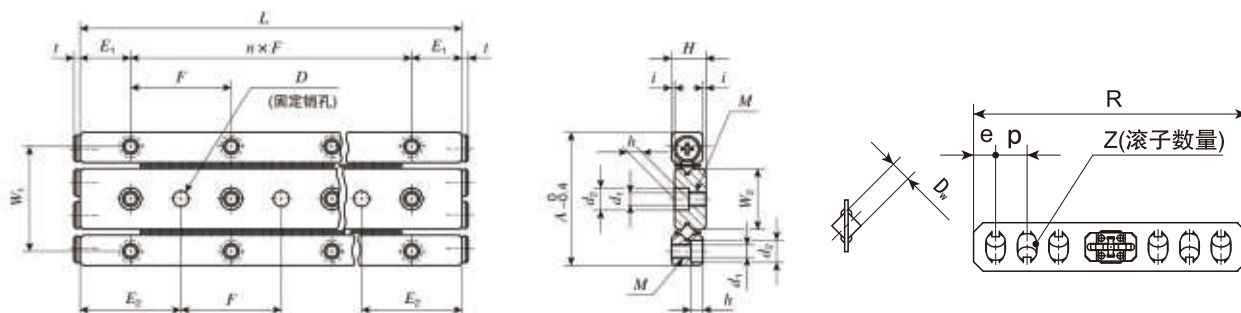
注⁽¹⁾ 表示1组滑轨(3根)每米的合计质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。1N≈0.102kgf
 Note⁽¹⁾ Represents the total mass per meter of 1 group of rails (3).⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

IKO标准

CRWMG-H型三排防蠕动交叉导轨

IKO standard

CRWMG-H three-row anti-creep cross guide rail



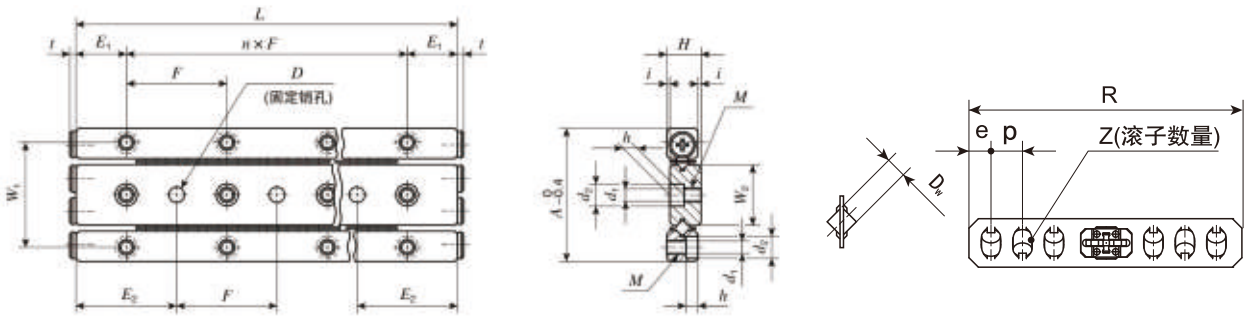
规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																			基本额定 动负荷	基本额定 静负荷	容许 负荷	
	滑轨 ⁽¹⁾ Slide Rail (kg/m)	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer (g)	外观 Appearance			附带保持器的圆柱滚子 Cylindrical Roller With Retainer						安装尺寸 Mounting Dimension											Basic rated dynamic load	Basic Static Load Rating	Allowable Load
			A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N
CRWMG2-30H	0.99	0.98	24	6.5	30(1x15)	0.5	2	21.7	6	2.5	1.6	19	11	7.5	15	M3	2.55	4.4	2	3	+0.01 00	1.5	293	294	97.9
CRWMG2-45H					45(2x15)			36.7	12																
CRWMG2-60H					60(3x15)			46.7	16																
CRWMG2-75H					75(4x15)			61.7	22																
CRWMG2-90H					90(5x15)			66.7	24																
CRWMG2-105H					105(6x15)			81.7	30																
CRWMG2-120H					120(7x15)			91.7	34																
CRWMG2-135H					135(8x15)			106.7	40																
CRWMG2-150H					150(9x15)			117	44		2														
CRWMG3-50H	1.99	2.96	36	8.5	50(1x25)	0.5	3	41.8	8	3.8	2.5	29	16.6	12.5	25	M4	3.3	6	3.1	4	+0.01 20	2	638	609	203
CRWMG3-75H					75(2x25)			57	12																
CRWMG3-100H					100(3x25)			79.8	18																
CRWMG3-125H					125(4x25)			95	22																
CRWMG3-150H					150(5x25)			117.8	28																
CRWMG3-175H					175(6x25)			133	32																
CRWMG3-200H					200(7x25)			155.8	38																
CRWMG3-225H					225(8x25)			178.6	44																
CRWMG3-250H					250(9x25)			193.8	48																

注⁽¹⁾ 表示1组滑轨(3根)每米的合计质量。⁽²⁾ 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。⁽³⁾ 表示每个圆柱滚子的负荷。

1N=0.102kgf

Note⁽¹⁾ Represents the total mass per meter of 1 group of rails (3).⁽²⁾ Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers.⁽³⁾ Represents the load of each cylindrical roller.

CRWMG-H型三排防蠕动交叉导轨 CRWMG-H three-row anti-creep cross guide rail



规格型号 Specification	质量(参考) Quality (reference)		主要尺寸及容许公差 Main dimensions and tolerances (mm)																			基本额定 动负荷	基本额定 静负荷	容许 负荷		
	滑轨 ⁽¹⁾ Slide Rail	附带保持器 的圆柱滚子 ⁽²⁾ Cylindrical Roller With Retainer	外观 Appearance				附带保持器的圆柱滚子 Cylindrical Roller With Retainer					安装尺寸 Mounting Dimension												Basic rated dynamic load	Basic Static Load Rating	Allowable Load
	(kg/m)	g	A	H	L (n x F)	i	D _w	R	Z	p	e	W ₁	W ₂	E ₁	E ₂	M	d ₁	d ₂	h	D	尺寸 公差	t	C ₀ ⁽³⁾ N	C ₀₀ ⁽³⁾ N	F ₀ ⁽³⁾ N	
CRWMG4-80H	3.28	6.91	44	11.55	80(1x40)	0.5	4	59.4	10	4.8	3	35	20	20	40	M5	4.3	7.5	4.1	5	+0.01 20	2	1230	1180	392	
CRWMG4-120H					120(2x40)			88.2	16																	
CRWMG4-160H					160(3x40)			117	22																	
CRWMG4-200H					200(4x40)			145.8	28																	
CRWMG4-240H					240(5x40)			184.2	36																	
CRWMG4-280H					280(6x40)			213	42																	
CRWMG4-320H					320(7x40)			241.8	48																	

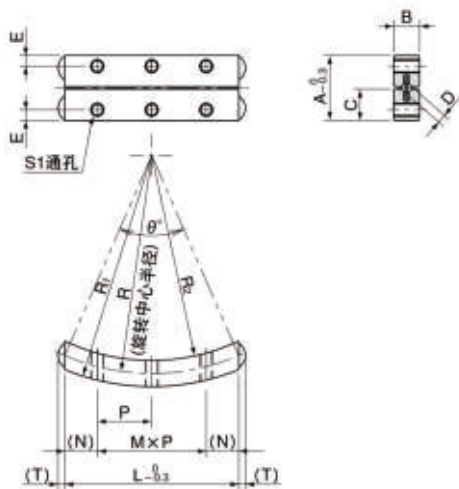
注⁽¹⁾ 表示1组滑轨(3根)每米的合计质量。(2) 表示1组装有10个圆柱滚子的附带保持器的圆柱滚子的质量。(3) 表示每个圆柱滚子的负荷。1N=0.102kgf
Note⁽¹⁾ Represents the total mass per meter of 1 group of rails (3). (2) Represents the mass of a cylindrical roller with a retainer assembled with 10 cylindrical rollers. (3) Represents the load of each cylindrical roller.

NB标准

RV型弧形导轨

NB standard

RV Arc guide



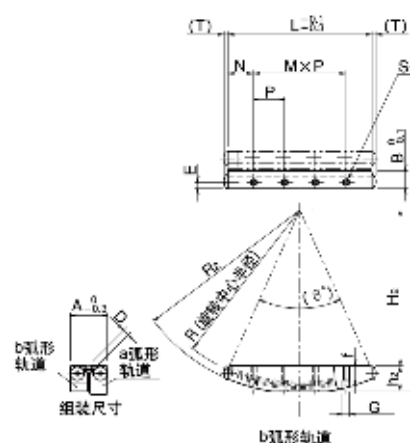
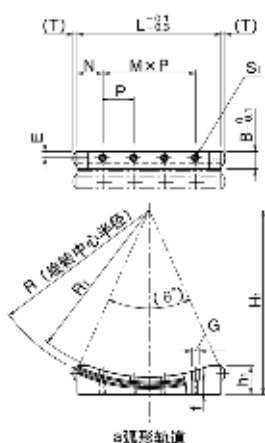
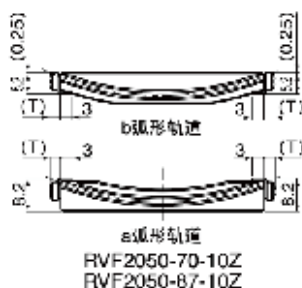
规格型号 Specification	旋转 范围 Rotation range	滚柱 直径 Roller Diameter mm	滚柱数 Number of rollers	主要尺寸 Main Size (mm)														基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass
				Z	L	R	R1	R2	A	B	C	MxP	N	E	S1	T	θ°	C N	C ₀ N	F N	g
RV2040-50-7Z	±10°	2	7	40	50	53	47	15	6	7.25	2x12.5	7.5	2.5	M3	1.5		47.2°	820	1440	482	49
RV2060-60-12Z			12	60	60	63	57										60.0°	1490	2800	936	75
RV3070-90-11Z	±10°	3	11	70	90	94	86	18	8	8.5	3x15	12.5	3	M3	1.9		45.8°	2640	5550	1850	137
RV3070-110-10Z			10	70	110	114	106										37.1°	2440	5620	1870	135
RV3100-160-14Z			14	100	160	164	156				5x15						36.4°	2860	7890	2630	193

1N=0.102kgf

NB标准

RVF型弧形导轨

NB standard
RVF Arc guide



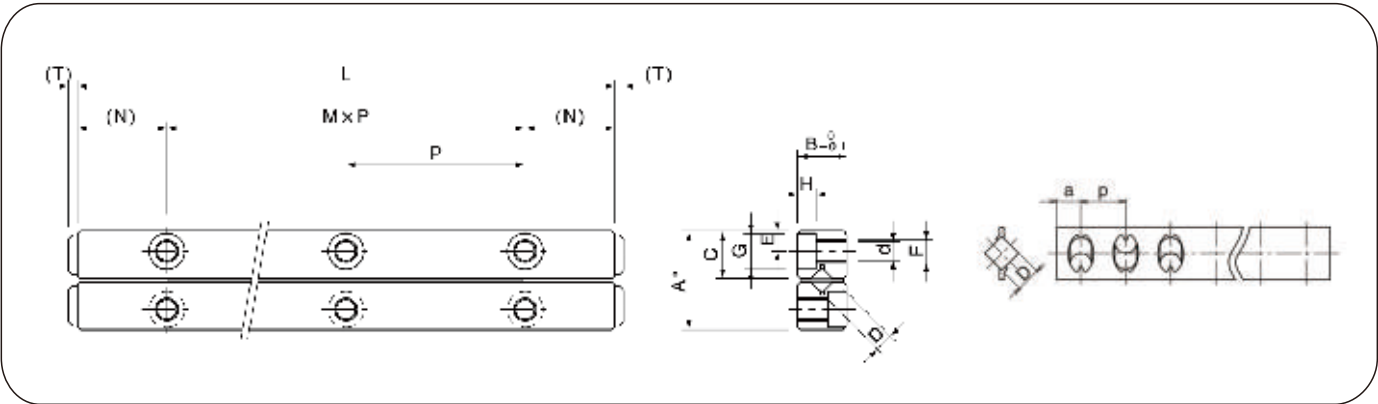
规格型号 Specification	旋转 范围 Rotation range	滚柱 直径 Roller Diameter mm	滚柱数 Number of rollers	主要尺寸 Main Size (mm)																	基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass	
				Z	L	R	R ₁	R ₂	H ₁	H ₂	h ₁	h ₂	A	B	MxP	N	E	S ₁	f	G	T	θ°	C _N	C ₀ N	F _N
RVF2050-70-10Z	±5°	2	10	50	70	67	73	72.5	64.5	7.5	7.5	15	72.5	3x12.5	6.25	2.5	M2.5	4	3	2.7	41.8°	1180	2400	800	66
RVF2050-87-10Z			10		87	84	89.5	89.5	81.5	7.5	7.5			33.3°	1060						2430	810	70		
RVF2050-103-10Z			10		103	100	106	105.5	97.5	7.5	8			3x13	5.5					1.5	28.0°	998	2440	815	70
RVF2050-120-9Z			9		120	117	123	122.5	114.5	7.5	8										24.0°	751	1970	657	70
RVF3070-85-10Z	±10°	3	10	70	85	81	89	89.5	75.5	14	12.5	18	8.5	3x15	12.5	3	M3	7	3.5	1.9	48.6°	2680	5530	1840	182
RVF3070-110-10Z			10		110	106	114	114.5	100.5	12.8	12.5			37.1°	2440	5620	1870	182							
RVF3100-125-16Z			16	100	125	121	129	129.5	110.5	17.5	18			5x15	12.5	3	M3	7	3.5	1.9	47.1°	3520	8850	2950	327
RVF3100-160-14Z			14		160	156	164	164.5	145.5	15	18										36.4°	2860	7890	2630	323

1N=0.102kgf

NB标准

SV型交叉滚子导轨

NB standard
SV cross roller guide



规格型号 Specification	行程 ST mm	主要尺寸 Main Size (mm)																	基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass	
		保持架尺寸 Cage Size						组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
		D	p	a	C ₁ N	C ₀₁ N	F ₁ N	L	A	B	C	M x P	N	E	F	d	G	H					T
SV1020-5Z	12	1.5	2.5	2	154	119	39.8	20	8.5	4	3.8	1x10	5	1.8	M2	1.65	3	1.4	0.8	464	476	158	11
SV1030-7Z	20							30				2x10								641	714	237	14
SV1040-10Z	27							40				3x10								959	1190	396	18
SV1050-13Z	32							50				4x10								1100	1420	475	22
SV1060-16Z	37							60				5x10								1380	1900	633	26
SV1070-19Z	42							70				6x10								1510	2140	712	30
SV1080-21Z	50							80				7x10								1650	2380	792	34
SV2030-5Z	18	2	4	2.5	360	293	97.8	30	12	6	5.5	1x15	7.5	2.5	M3	2.55	4.4	2	1.2	1090	1170	390	28
SV2045-8Z	24							45				2x15								1900	2340	780	42
SV2060-11Z	30							60				3x15								2270	2930	976	55
SV2075-13Z	44							75				4x15								2620	3510	1170	69
SV2090-16Z	50							90				5x15								3280	4680	1560	83
SV2105-18Z	64							105				6x15								3590	5270	1750	96
SV2120-21Z	70							120				7x15								3900	5860	1950	110
SV2135-23Z	84							135				8x15								4210	6440	2140	123
SV2150-26Z	90							150				9x15								4790	7610	2530	137
SV2165-29Z	95							165				10x15								5080	8200	2730	151
SV2180-32Z	100							180				11x15								5640	9370	3120	165

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

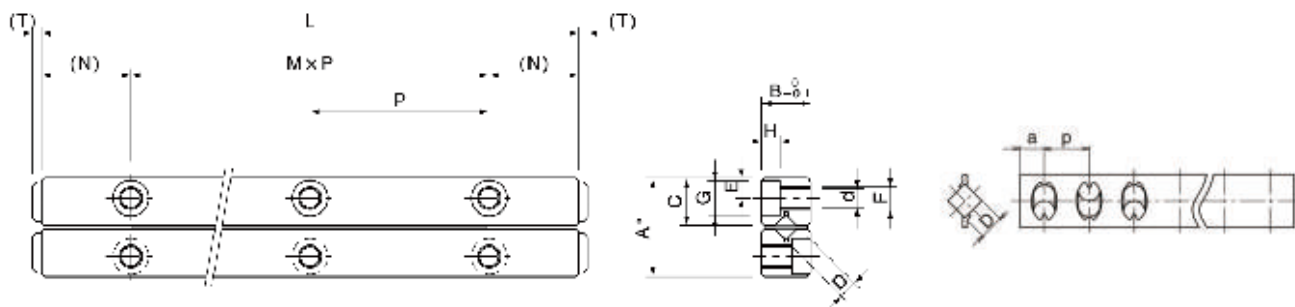
1N≈0.102kgf

SV型交叉滚子导轨 SV type cross roller guide

规格型号 Specification	行程 ST mm	主要尺寸 Main Size (mm)																		基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass
		保持架尺寸 Cage Size						组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
		D	p	a	C ₁ N	C ₀₁ N	F ₁ N	L	A	B	C	M×P	N	E	F	d	G	H	T	C _N	C ₀ N	F _N	g
SV3050-7Z	28	3	5	3	824	649	216	50	18	8	8.3	1x25	12.5	3.5	M4	3.3	6	3.1	2	3490	3890	1290	94
SV3075-10Z	48							75				2x25								5230	6490	2160	135
SV3100-14Z	58							100				3x25								6810	9080	3020	187
SV3125-17Z	78							125				4x25								7560	10300	3450	234
SV3150-21Z	88							150				5x25								9000	12900	4320	281
SV3175-24Z	105							175				6x25								10300	15500	5180	327
SV3200-28Z	115							200				7x25								11700	18100	6040	374
SV3225-31Z	135							225				8x25								12300	19400	6480	421
SV3250-35Z	145							250				9x25								13600	22000	7340	468
SV3275-38Z	165							275				10x25								14800	24600	8200	514
SV3300-42Z	175							300				11x25								16000	27200	9070	561
SV3325-45Z	195							325				12x25								16600	28500	9500	608
SV3350-49Z	205							350				13x25								17800	31100	10300	655
SV4080-7Z	58	4	7	4.5	1660	1320	442	80	22	11	10.2	1x40	20	4.5	M5	4.3	8	4.2	2	7110	7920	2640	255
SV4120-11Z	82							120				2x40								10600	13200	4400	385
SV4160-15Z	105							160				3x40								13800	18400	6160	510
SV4200-19Z	130							200				4x40								16800	23700	7920	635
SV4240-23Z	150							240				5x40								19700	29000	9680	770
SV4280-27Z	175							280				6x40								22400	34300	11400	905
SV4320-31Z	200							320				7x40								25100	39600	13200	1020
SV4360-35Z	225							360				8x40								27600	44800	14900	1160
SV4400-39Z	250							400				9x40								30200	50100	16700	1280
SV4440-43Z	270							440				10x40								32600	55400	18400	1410
SV4480-47Z	295							480				11x40								35000	60700	20200	1540
SV6100-7Z	55	6	10	5.5	3840	2960	987	100	31	15	14.2	1x50	25	6	M6	5.2	9.5	5.2	3	20700	23600	7880	628
SV6150-10Z	85							150				2x50								28500	35500	11800	942
SV6200-13Z	120							200				3x50								35700	47300	15700	1260
SV6250-17Z	150							250				4x50								42500	59200	19700	1570
SV6300-20Z	185							300				5x50								49000	71000	23600	1880
SV6350-24Z	215							350				6x50								55300	82800	27600	2200
SV6400-27Z	245							400				7x50								61400	94700	31500	2510
SV6450-31Z	280							450				8x50								67300	106000	35400	2830
SV6500-34Z	310							500				9x50								73100	118000	39400	3140
SV6600-41Z	360							600				11x50								84200	142000	47300	3770

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷 1N=0.102kgf
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

SV型交叉滚子导轨 SV type cross roller guide



规格型号 Specification	行程 ST mm	主要尺寸 Main Size (mm)																		基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass
		保持架尺寸 Cage Size						组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
		D	p	a	C ₁ N	C ₀₁ N	F ₁ N	L	A	B	C	M x P	N	E	F	d	G	H	T	C N	C ₀ N	F N	g
SV9200-10Z	115	9	14	7.5	9330	7070	2350	200	44	22	20.2	1x100	50	9	M8	6.8	10.5	6.2	4	60900	70700	23500	2720
SV9300-15Z	175							300				2x100								79300	98900	32900	4030
SV9400-20Z	235							400				3x100								10400	141000	47000	5380
SV9500-25Z	295							500				4x100								120000	169000	56400	6700
SV9600-30Z	355							600				5x100								143000	212000	70500	8050
SV9700-35Z	415							700				6x100								158000	240000	79900	9230
SV9800-40Z	475							800				7x100								180000	282000	94000	10500
SV9900-45Z	535							900				8x100								193000	311000	103000	11900
SV91000-50Z	595							1000				9x100								214000	353000	117000	13000

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷

C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

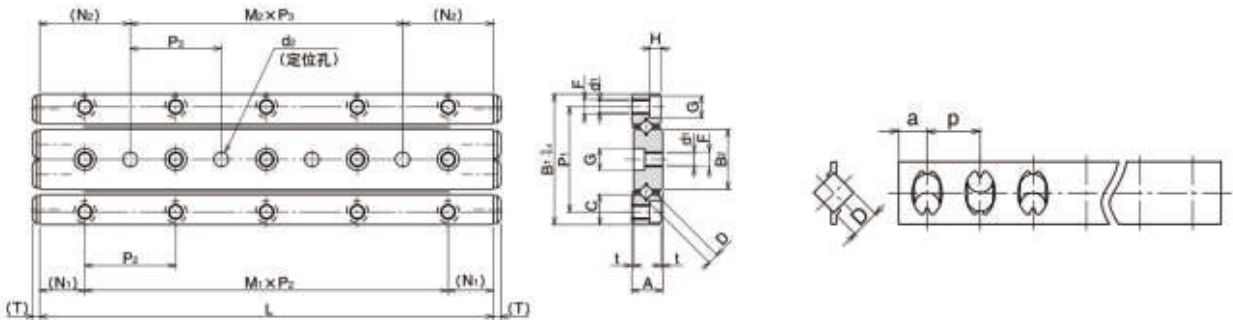
1N=0.102kgf

NB标准

SVW型三排交叉滚子导轨

NB standard

SVW three row cross roller guide

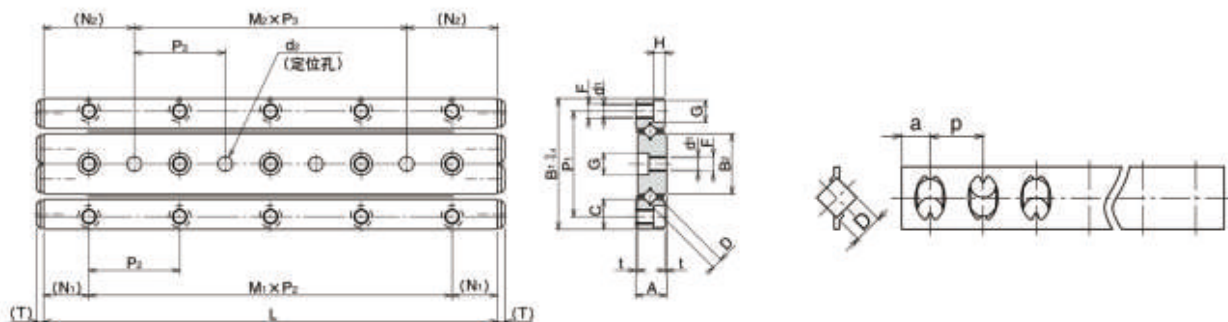


规格型号 Specification	行程 ST mm	主要尺寸 Main Size (mm)																				基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass			
		保持架尺寸 Cage Size						安装尺寸 Mounting Dimension														C N	C ₀ N	F N	g			
D	p	a	C ₁ N	C ₀₁ N	F ₁ N	L	A	t	B ₁	B ₂	C	P ₁	M1xP ₂	N ₁	F	d ₁	G	H	M2xP ₃	N ₂	d ₂	T	C N	C ₀ N	F N	g		
SVW1020-5Z	12	1.5	2.5	2	154	119	39.8	20	4.5	0.5	17	7.6	3.8	13.4	1x10	5	M2	1.65	3	1.4	-	10	2 ^{+0.01}	0.8	464	476	158	11
SVW1030-7Z	20							30							2x10						1x10				641	714	237	14
SVW1040-10Z	27							40							3x10						2x10				959	1190	396	18
SVW1050-13Z	32							50							4x10						3x10				1100	1420	475	22
SVW1060-16Z	37							60							5x10						4x10				1380	1900	633	26
SVW1070-19Z	42							70							6x10						5x10				1510	2140	712	30
SVW1080-21Z	50							80							7x10						6x10				1650	2380	792	34
SVW2030-5Z	18	2	4	2.5	360	293	97.8	30	6.5	0.5	24	11	5.5	19	1x15	7.5	M3	2.55	4.4	2	-	15	3 ^{+0.01}	1.2	1090	1170	390	28
SVW2045-8Z	24							45							2x15						1x15				1900	2340	780	42
SVW2060-11Z	30							60							3x15						2x15				2270	2930	976	55
SVW2075-13Z	44							75							4x15						3x15				2620	3510	1170	69
SVW2090-16Z	50							90							5x15						4x15				3280	4680	1560	83
SVW2105-18Z	64							105							6x15						5x15				3590	5270	1750	96
SVW2120-21Z	70							120							7x15						6x15				3900	5860	1950	110

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

1N=0.102kgf

SVW型三排交叉滚子导轨 SVW type three row cross roller guide



规格型号 Specification	行程 ST mm	主要尺寸 Main Size (mm)																						基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass	
		保持架尺寸 Cage Size						安装尺寸 Mounting Dimension																C N	C ₀ N	F N	g	
		D	p	a	C ₁ N	C ₀₁ N	F ₁ N	L	A	t	B ₁	B ₂	C	P ₁	M ₁ xP ₂	N ₁	F	d ₁	G	H	M ₂ xP ₃	N ₂	d ₂					T
SVW3050-7Z	28	3	5	3	824	649	216	50	8.5	0.5	36	16.6	8.3	29	1x25	12.5	M4	3.3	6	3.1	-	25	4 ^{+0.012}	2	3490	3890	1290	94
SVW3075-10Z	48							75							2x25						1x25				5230	6490	2160	135
SVW3100-14Z	58							100							3x25						2x25				6810	9080	3020	187
SVW3125-17Z	78							125							4x25						3x25				7560	10300	3450	234
SVW3150-21Z	88							150							5x25						4x25				9000	12900	4320	281
SVW3175-24Z	105							175							6x25						5x25				10300	15500	5180	327
SVW3200-28Z	115							200							7x25						6x25				11700	18100	6040	374
SVW4080-7Z	58	4	7	4.5	1660	1320	442	80	11.5	0.5	44	20.4	10.2	35	1x40	20	M5	4.3	8	4.2	-	40	5 ^{+0.012}	2	7110	7920	2640	255
SVW4120-11Z	82							120							2x40						1x40				10600	13200	4400	385
SVW4160-15Z	105							160							3x40						2x40				13800	18400	6160	510
SVW4200-19Z	130							200							4x40						3x40				16800	23700	7920	635
SVW4240-23Z	150							240							5x40						4x40				19700	29000	9680	770
SVW4280-27Z	175							280							6x40						5x40				22400	34300	11400	905

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷

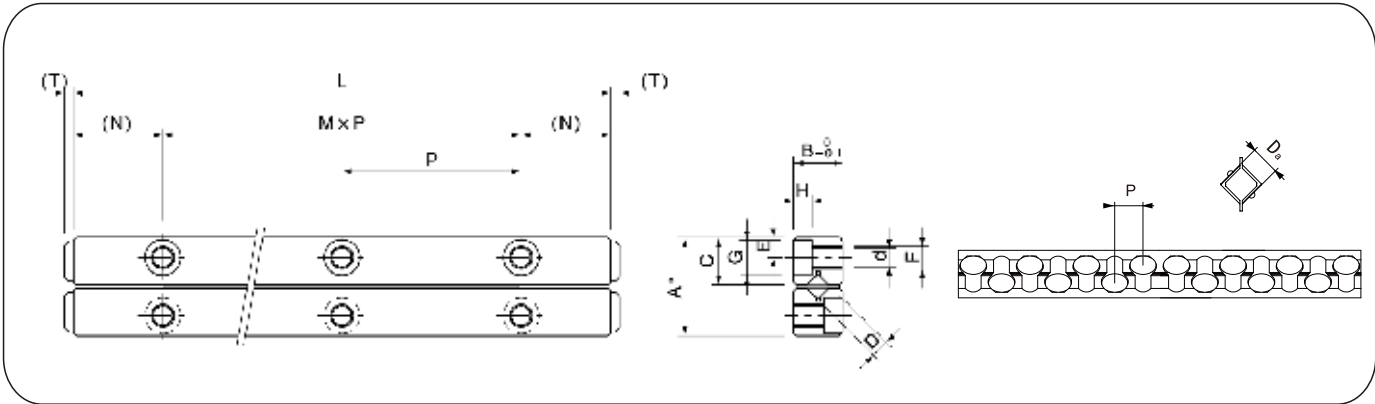
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

1N=0.102kgf

NB标准

SV-H型交叉滚子导轨

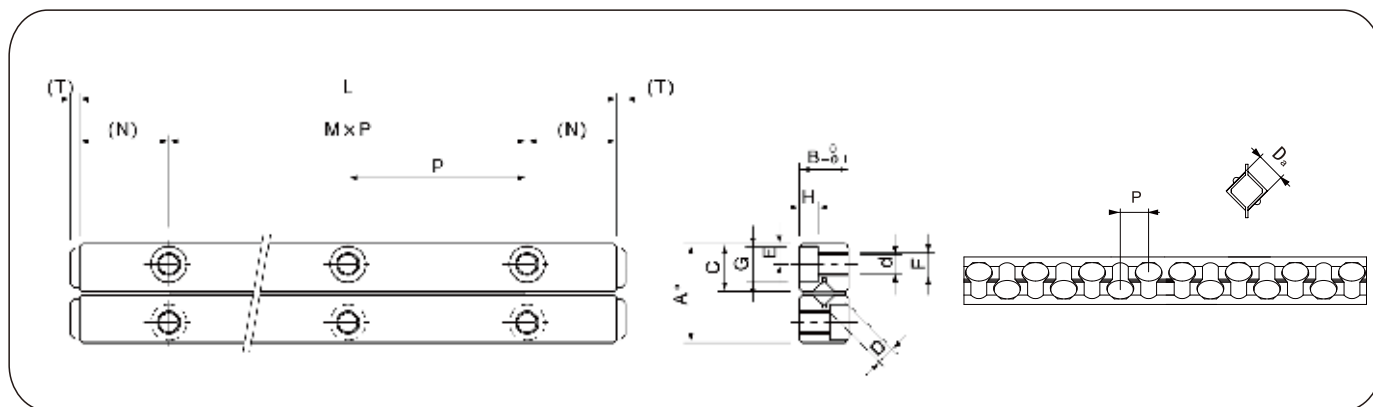
NB standard
SV-H cross roller guide



规格型号 Specification	行程 ST mm	滚柱数 Number of rollers Z	主要尺寸 Main Size (mm)															基本额定 动负荷 Basic rated dynamic load C _N	基本额定 静负荷 Basic Static Load Rating C _{0N}	允许 负荷 Allowable Load F _N	1套 质量 1 Mass g
			保持架尺寸 Cage Size		组合尺寸 Combination Size			安装尺寸 Mounting Dimension													
D _a	P	L	A	B	C	M x P	N	E	F	d	G	H	T	C _N	C _{0N}	F _N	g				
SV2030H-8Z	22	8	2	2.35	30	12	6	5.5	1x15	7.5	2.5	M3	2.55	4.4	2	1.2	1090	1170	390	28	
SV2045H-13Z	28	13			45				2x15								1900	2340	780	42	
SV2060H-18Z	35	18			60				3x15								2270	2930	976	55	
SV2075H-22Z	46	22			75				4x15								2620	3510	1170	69	
SV2090H-27Z	53	27			90				5x15								3280	4680	1560	83	
SV2105H-30Z	69	30			105				6x15								3590	5270	1750	96	
SV2120H-35Z	75	35			120				7x15								3900	5860	1950	110	
SV2135H-39Z	86	39			135				8x15								4210	6440	2140	123	
SV2150H-44Z	93	44			150				9x15								4790	7610	2530	137	
SV2165H-49Z	99	49			165				10x15								5080	8200	2730	151	
SV2180H-54Z	106	54			180				11x15								5640	9370	3120	165	
SV3050H-10Z	30	10	3	3.5	50	18	8	8.3	1x25	12.5	3.5	M4	3.3	6	3.1	2	3490	3890	1290	94	
SV3075H-14Z	52	14			75				2x25								5230	6490	2160	135	
SV3100H-20Z	60	20			100				3x25								6810	9080	3020	187	
SV3125H-24Z	82	24			125				4x25								7560	10300	3450	234	
SV3150H-30Z	90	30			150				5x25								9000	12900	4320	281	
SV3175H-34Z	112	34			175				6x25								10300	15500	5180	327	
SV3200H-40Z	120	40			200				7x25								11700	18100	6040	374	
SV3225H-44Z	142	44			225				8x25								12300	19400	6480	421	
SV3250H-50Z	150	50			250				9x25								13600	22000	7340	468	
SV3275H-54Z	172	54			275				10x25								14800	24600	8200	514	
SV3300H-60Z	180	60			300				11x25								16000	27200	9070	561	

1N=0.102kgf

SV-H型交叉滚子导轨 SV-H cross roller guide



规格型号 Specification	行程 ST mm	滚柱数 Number of rollers	主要尺寸 Main Size (mm)														基本额定 动负荷 Basic rated dynamic load C N	基本额定 静负荷 Basic Static Load Rating C ₀ N	允许 负荷 Allowable Load F N	1套 质量 1 Mass g
			保持架尺寸 Cage Size		组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
		D _a	P	L	A	B	C	M x P	N	E	F	d	G	H	T					
SV4080H-11Z	63	11	4	4.29	80	22	11	10.2	1x40	20	4.5	M5	4.3	8	4.2	2	7110	7920	2640	255
SV4120H-17Z	90	17			120				2x40								10600	13200	4400	385
SV4160H-23Z	117	23			160				3x40								13800	18400	6160	510
SV4200H-30Z	136	30			200				4x40								16800	23700	7920	635
SV4240H-36Z	163	36			240				5x40								19700	29000	9680	770
SV4280H-42Z	190	42			280				6x40								22400	34300	11400	905
SV4320H-49Z	208	49			320				7x40								25100	39600	13200	1020
SV4360H-55Z	236	55			360				8x40								27600	44800	14900	1160
SV4400H-62Z	254	62			400				9x40								30200	50100	16700	1280
SV4440H-68Z	281	68			440				10x40								32600	55400	18400	1410
SV4480H-74Z	308	74			480				11x40								35000	60700	20200	1540
SV6100H-9Z	83	8	6	6.49	100	31	15	14.2	1x50	25	6	M6	5.2	9.5	5.2	3	20700	23600	7880	628
SV6150H-13Z	131	12			150				2x50								28500	35500	11800	942
SV6200H-18Z	166	16			200				3x50								35700	47300	15700	1260
SV6250H-23Z	201	20			250				4x50								42500	59200	19700	1570
SV6300H-27Z	249	24			300				5x50								49000	71000	23600	1880
SV6350H-33Z	271	28			350				6x50								55300	82800	27600	2200
SV6400H-37Z	319	32			400				7x50								61400	94700	31500	2510
SV6450H-42Z	354	36			450				8x50								67300	106000	35400	2830
SV6500H-47Z	389	40			500				9x50								73100	118000	39400	3140
SV6600H-56Z	472	49			600				11x50								84200	142000	47300	3770

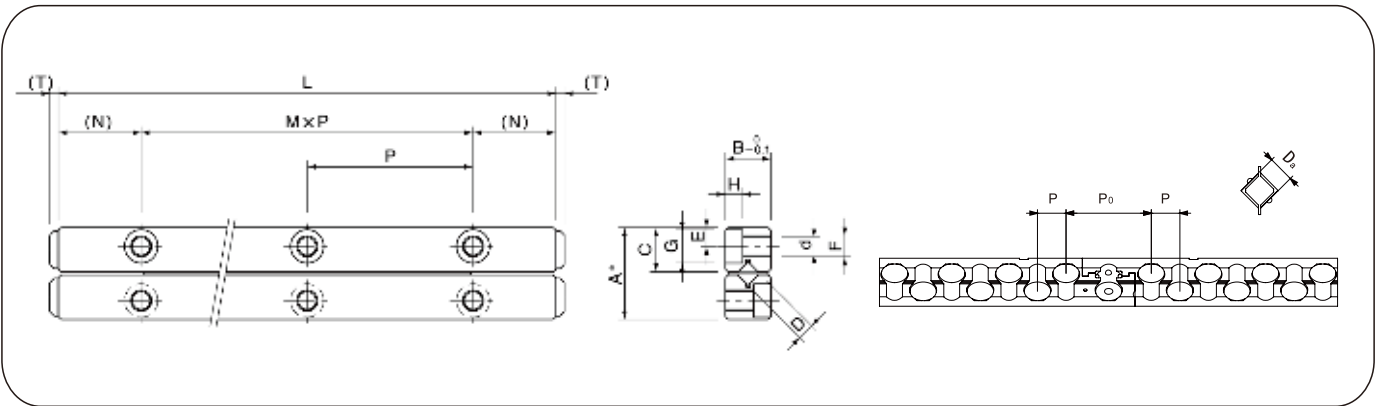
C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

1N≈0.102kgf

NB标准

NV型圆钉式交叉滚子导轨

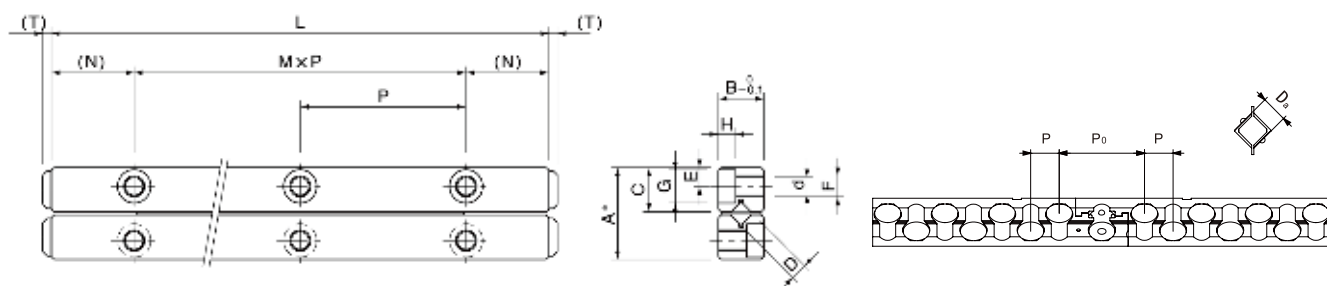
NB standard
NV round nail cross roller guide



规格型号 Specification	行程 ST mm	滚柱数 Number of rollers Z	主要尺寸 Main Size (mm)															基本额定 动负荷 Basic rated dynamic load C N	基本额定 静负荷 Basic Static Load Rating C ₀ N	允许 负荷 Allowable Load F N	1套 质量 1 Mass g
			保持架尺寸 Cage Size			组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
			D _a	P	P ₀	L	A	B	C	M×P	N	E	F	d	G	H	T				
NV2030-5Z	18	5	2	2.35	11.21	30	12	6	5.7	1x15	7.5	2.5	M3	2.55	4.4	2	1.2	1360	1520	509	33
NV2045-9Z	25	9				45				2x15								2330	3050	1010	49
NV2060-15Z	30	15				60				3x15								1720	6110	2030	62
NV2075-19Z	40	19				75				4x15								3990	7630	2540	74
NV2090-23Z	50	23				90				5x15								4740	9160	3050	91
NV2105-27Z	65	27				105				6x15								5460	10600	3560	103
NV2120-33Z	70	33				120				7x15								6160	12200	4070	120
NV2135-37Z	80	37				135				8x15								6830	13700	4580	132
NV2150-41Z	90	41				150				9x15								7490	15200	5090	149
NV2165-47Z	95	47				165				10x15								8130	18300	6110	161
NV2180-51Z	100	51				180				11x15								9370	19800	6620	174
NV3050-9Z	25	9	3	3.5	12	50	18	8	8.65	1x25	12.5	3.5	M4	3.3	6	3.1	2	6150	8060	2680	97
NV3075-13Z	48	13				75				2x25								8440	12100	4030	140
NV3100-19Z	60	19				100				3x25								12500	20100	6720	192
NV3125-23Z	83	23				125				4x25								14400	24200	8060	245
NV3150-29Z	90	29				150				5x25								16300	28200	9410	290
NV3175-35Z	103	35				175				6x25								19800	36300	12100	337
NV3200-41Z	113	41				200				7x25								21500	40300	13400	385
NV3225-43Z	150	43				225				8x25								23200	44300	14700	434

1N≈0.102kgf

NV型圆钉式交叉滚子导轨 NV round nail cross roller guide



规格型号 Specification	行程 ST mm	滚柱数 Number of rollers	主要尺寸 Main Size (mm)															基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass
			保持架尺寸 Cage Size			组合尺寸 Combination Size			安装尺寸 Mounting Dimension												
		Z	D _a	P	P ₀	L	A	B	C	M x P	N	E	F	d	G	H	T	C _N	C ₀ N	F _N	g
NV4080-9Z	60	9	4	4.29	13.94	80	22	11	10.65	1x40	20	4.5	M5	4.3	8	4.2	2	12100	15700	5250	265
NV4120-17Z	75	17				120				2x40								20700	31500	10500	400
NV4160-23Z	105	23				160				3x40								28500	47200	15700	530
NV4200-29Z	130	29				200				4x40								32100	55100	18300	660
NV4240-37Z	143	37				240				5x40								39000	70900	23600	800
NV4280-43Z	170	43				280				6x40								45600	86600	28800	930
NV6100-9Z	63	9	6	6.49	19.34	100	31	15	15.15	1x50	25	6	M6	5.2	9.5	5.2	3	29600	37500	215000	650
NV6150-15Z	85	15				150				2x50								50900	75100	25000	970
NV6200-19Z	135	19				200				3x50								60600	93900	31300	1300
NV6250-25Z	158	25				250				4x50								69800	112000	37500	1620
NV6300-31Z	180	31				300				5x50								87400	150000	50100	1940
NV6350-35Z	230	35				350				6x50								95800	169000	56300	2360
NV6400-39Z	275	39				400				7x50								104000	187000	62600	2780

C1: 一个滚柱的动额定负荷 C01: 一个滚柱的静额定负荷 F1: 一个滚柱的允许负荷
C1: The dynamic load rating of a roller C01: The static load rating of a roller F1: Allowable load of a roller

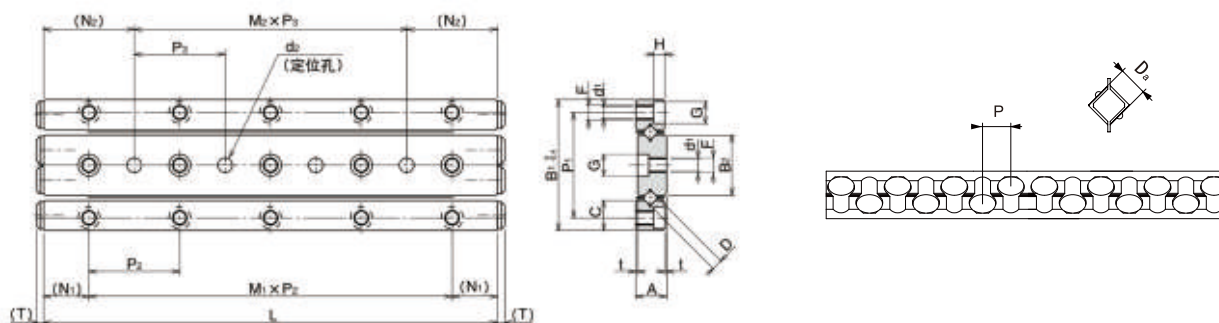
1N=0.102kgf

NB标准

SVW-H型三排交叉滚子导轨

NB standard

SVW-H type three row cross roller guide



规格型号 Specification	行程 ST mm	滚柱数 Number of rollers Z	主要尺寸 Main Size (mm)																			基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass
			Da	P	L	A	t	B1	B2	C	P1	M1xP2	N1	F	d1	G	H	M2xP3	N2	d2	T	C N	C ₀ N	F N	g
SVW2030H-8Z	22	8	2	2.35	30	6.5	0.5	24	11	5.5	19	1x15	7.5	M3	2.55	4.4	2	-	15	3 ^{+0.01}	1.2	1090	1170	390	28
SVW2045H-12Z	28	13			45							2x15						1x15				1900	2340	780	42
SVW2060H-17Z	35	18			60							3x15						2x15				2270	2930	976	55
SVW2075H-21Z	46	22			75							4x15						3x15				2620	3510	1170	69
SVW2090H-25Z	53	27			90							5x15						4x15				3280	4680	1560	83
SVW2105H-28Z	69	30			105							6x15						5x15				3590	5270	1750	96
SVW2120H-33Z	75	35			120							7x15						6x15				3900	5860	1950	110
SVW3050H-10Z	28	7	3	3.5	50	8.5	0.5	36	16.6	8.3	29	1x25	12.5	M4	3.3	6	3.1	-	25	4 ^{+0.012}	2	3490	3890	1290	94
SVW3075H-14Z	48	10			75							2x25						1x25				5230	6490	2160	135
SVW3100H-14Z	58	14			100							3x25						2x25				6810	9080	3020	187
SVW3125H-17Z	78	17			125							4x25						3x25				7560	10300	3450	234
SVW3150H-21Z	88	21			150							5x25						4x25				9000	12900	4320	281
SVW3175H-24Z	105	24			175							6x25						5x25				10300	15500	5180	327
SVW3200H-28Z	115	28			200							7x25						6x25				11700	18100	6040	374
SVW4080H-7Z	58	7	4	4.29	80	11.5	0.5	44	20.4	10.2	35	1x40	20	M5	4.3	8	4.2	-	40	5 ^{+0.012}	2	7110	7920	2640	255
SVW4120H-11Z	82	11			120							2x40						1x40				10600	13200	4400	385
SVW4160H-15Z	105	15			160							3x40						2x40				13800	18400	6160	510
SVW4200H-19Z	130	19			200							4x40						3x40				16800	23700	7920	635
SVW4240H-23Z	150	23			240							5x40						4x40				19700	29000	9680	770
SVW4280H-27Z	175	27			280							6x40						5x40				22400	34300	11400	905

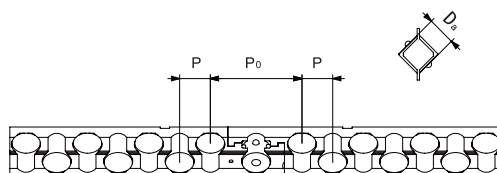
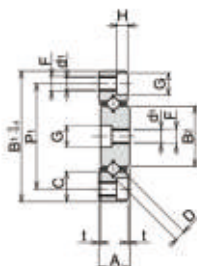
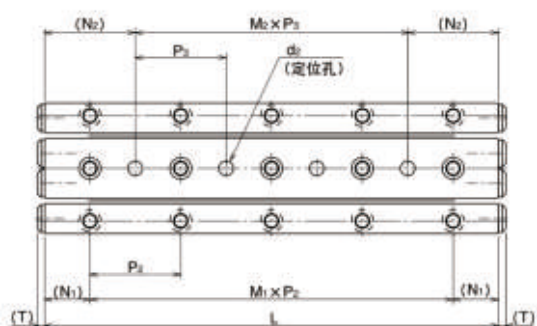
1N=0.102kgf

NB标准

NVW型三排交叉滚子导轨

NB standard

NVW type three row cross roller guide



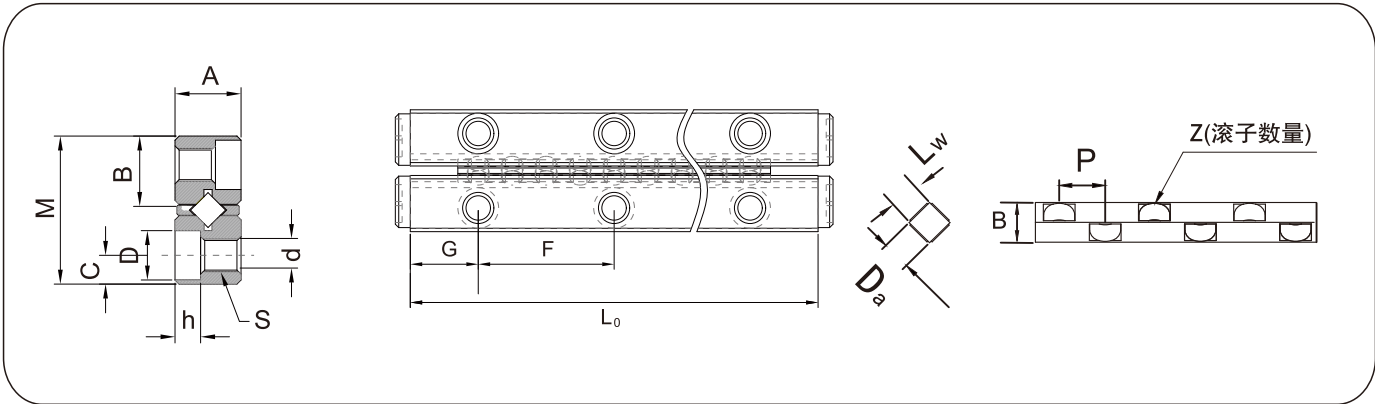
规格型号 Specification	行程 ST mm	滚柱数 Number of rollers	主要尺寸 Main Size (mm)																			基本额定 动负荷 Basic rated dynamic load	基本额定 静负荷 Basic Static Load Rating	允许 负荷 Allowable Load	1套 质量 1 Mass	
			Z	D _a	P	P ₀	L	A	t	B ₁	B ₂	C	P ₁	M ₁ xP ₂	N ₁	F	d ₁	G	H	M ₂ xP ₃	N ₂	d ₂	T	C N	C ₀ N	F N
NVW2030-5Z	18	5	2	2.35	11.21	30	6.5	0.5	24	11	5.5	19	1x15	7.5	M3	2.55	4.4	2	-	15	3 ^{+0.01}	1.2	1090	1170	390	28
NVW2045-9Z	25	9				45							2x15						1900				2340	780	42	
NVW2060-15Z	30	15				60							3x15						2270				2930	976	55	
NVW2075-19Z	40	19				75							4x15						2620				3510	1170	69	
NVW2090-23Z	50	23				90							5x15						3280				4680	1560	83	
NVW2105-27Z	65	27				105							6x15						3590				5270	1750	96	
NVW2120-33Z	70	33				120							7x15						3900				5860	1950	110	
NVW3050-9Z	25	9				3							3.5						12				50	8.5	0.5	36
NVW3075-13Z	48	13	75	2x25	5230		6490	2160	135																	
NVW3100-19Z	60	19	100	3x25	6810		9080	3020	187																	
NVW3125-23Z	83	23	125	4x25	7560		10300	3450	234																	
NVW3150-29Z	90	29	150	5x25	9000		12900	4320	281																	
NVW3175-35Z	103	35	175	6x25	10300		15500	5180	327																	
NVW3200-41Z	113	41	200	7x25	11700		18100	6040	374																	
NVW4080-9Z	60	9	4	4.29	13.94		80	11.5	0.5	44	20.4	10.2		35	1x40	20	M5	4.3		8	4.2	-	40			
NVW4120-17Z	75	17				120	2x40						10600		13200				4400			385				
NVW4160-23Z	105	23				160	3x40						13800		18400				6160			510				
NVW4200-29Z	130	29				200	4x40						16800		23700				7920			635				
NVW4240-37Z	143	37				240	5x40						19700		29000				9680			770				
NVW4280-43Z	170	43				280	6x40						22400		34300				11400			905				

1N≈0.102kgf

SKF标准

LWRE型交叉滚子导轨

SKF standard
LWRE type cross roller guide



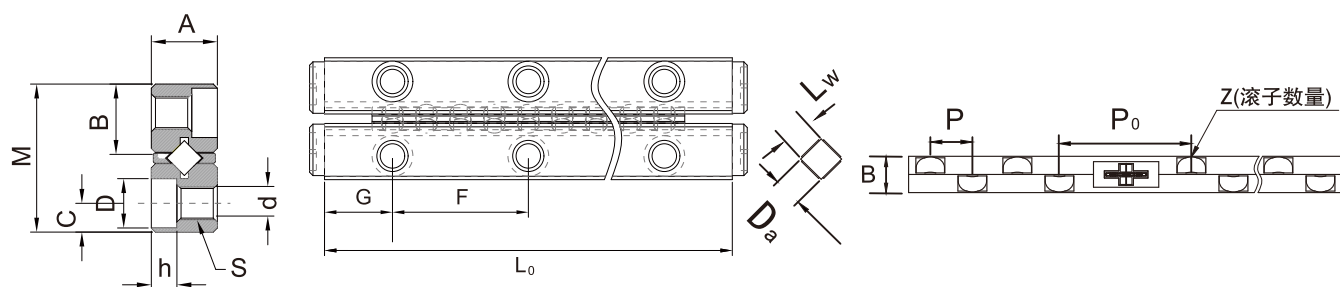
规格型号 Specification	最大行程 Max Stroke (mm)	最小行程 Min Stroke (mm)	主要尺寸 Main Size (mm)														滚柱数量 Number Of Rollers	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating
			组装尺寸 Assembly Size										保持架尺寸 Cage Size						
			M	A	B	F	G	C	S	d	D	h	D _a	L _w	B	P			
LWRE3050	33	25	18	8	8.7	25	12.5	3.5	M4	3.3	6	3.2	4	2.7	3.8	6	6	4230	5100
LWRE3075	50	38															9	5803	7650
LWRE3100	67	50															12	7263	10200
LWRE3125	83	63															15	8644	12750
LWRE3150	100	75															18	9964	15300
LWRE3175	117	88															21	11238	17850
LWRE3200	133	100															24	12471	20400

SKF标准

LWRE ACS型防蠕动交叉导轨

NB standard

LWRE ACS anti-creep cross rail

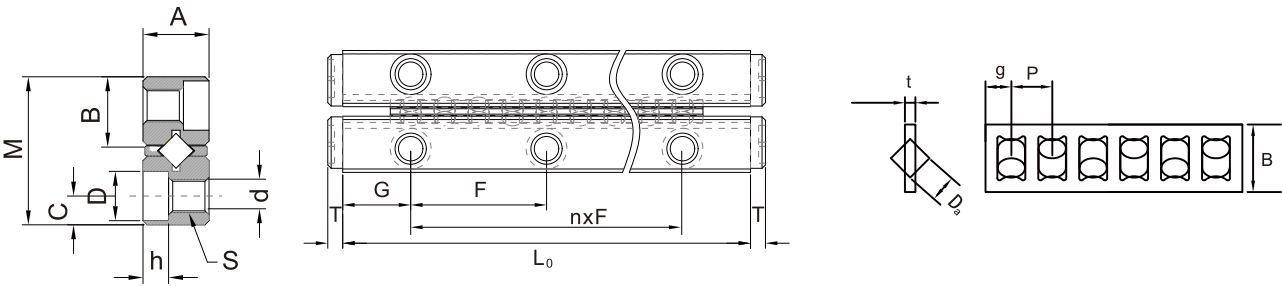


规格型号 Specification	最大行程 Max Stroke (mm)	最小行程 Min Stroke (mm)	主要尺寸 Main Size (mm)															滚柱数量 Number Of Rollers	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating
			组装尺寸 Assembly Size										保持架尺寸 Cage Size							
			M	A	B	F	G	C	S	d	D	h	D _a	L _w	B	P	P ₀			
LWRE3050 ACS	33	25	18	8	8.7	25	12.5	3.5	M4	3.3	6	3.2	4	2.7	3.8	6	16.4	5	3465	4250
LWRE3075 ACS	50	38																6	5294	6800
LWRE3100 ACS	67	50																10	6300	8500
LWRE3125 ACS	83	63																13	7731	11050
LWRE3150 ACS	100	75																16	9090	13600
LWRE3175 ACS	117	88																18	9964	15300
LWRE3200 ACS	133	100																22	11653	18700

SKF标准

LWR型交叉滚子导轨

SKF standard
LWR type cross roller guide

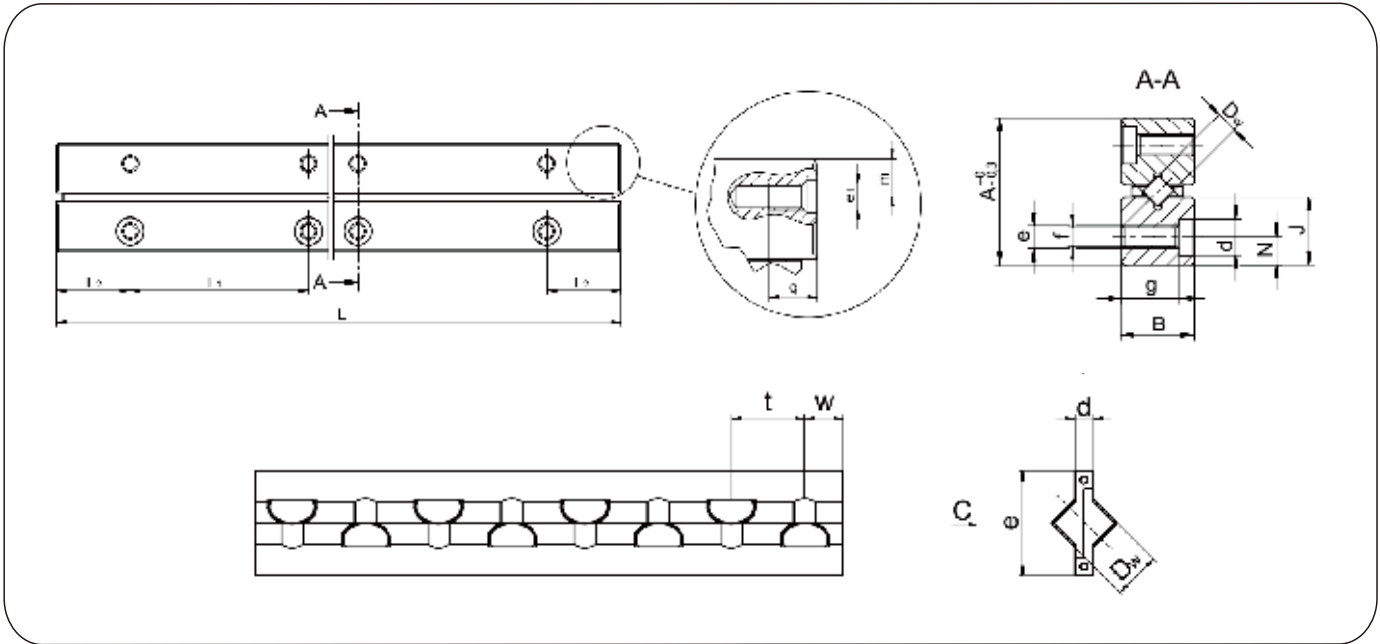


规格型号 Specification	最大行程 Max Stroke (mm)	最小行程 Min Stroke (mm)	主要尺寸 Main Size (mm)																滚柱数量 Number Of Rollers	基本额定动负荷 Basic rated dynamic load	基本额定静负荷 Basic Static Load Rating	
			组装尺寸 Assembly Size										保持架尺寸 Cage Size				每1列10滚针的额定负荷 Rated Load Of 10 Needles Per Row					
			M	A	B	F	G	C	S	d	D	h	Da	P	g	t	B	动态 C _N				静态 C _{0N}
LWR6100	67	50	31	15	13.9	50	25	6	M6	5.2	9.5	5.2	6	9	6	2.3	14.8	5850	6800	8	4915	5440
LWR6150	100	78																		12	6744	8160
LWR6200	133	106																		16	8441	10880
LWR6250	167	134																		20	10045	13600
LWR6300	200	144																		25	11955	17000
LWR6350	233	172																		29	13422	19720
LWR6400	267	200																		33	14846	22440

施耐博格标准

R型交叉滚子导轨

Schneeberger standard
R type cross roller guide



规格型号 Specification	重量 Weight	主要尺寸Main Size																				
		组合尺寸 Combination Size			组装尺寸 Assembly Size										保持器尺寸 Cage Size							
	g	A	B	L	J	L ₁	L ₂	N	d	e	e ₁	f	g	m	q	D _w	d	e	t	w	C per roller in N	max. length in mm
R4080	-	18	8	80	8.3	25	12.5	3.5	6	M4	M3	3.3	4.8	4.1	7	3	1	7	5	2.5	130	1200
R4120	-			120																		
R4160	-			160																		
R4200	-			200																		
R4240	-			240																		
R4280	-			280																		
R4320	-			320																		
R4360	-			360																		
R4400	-			400																		
R4440	-			440																		
R4480	-	480																				

R型交叉滚子导轨 R type cross roller guide

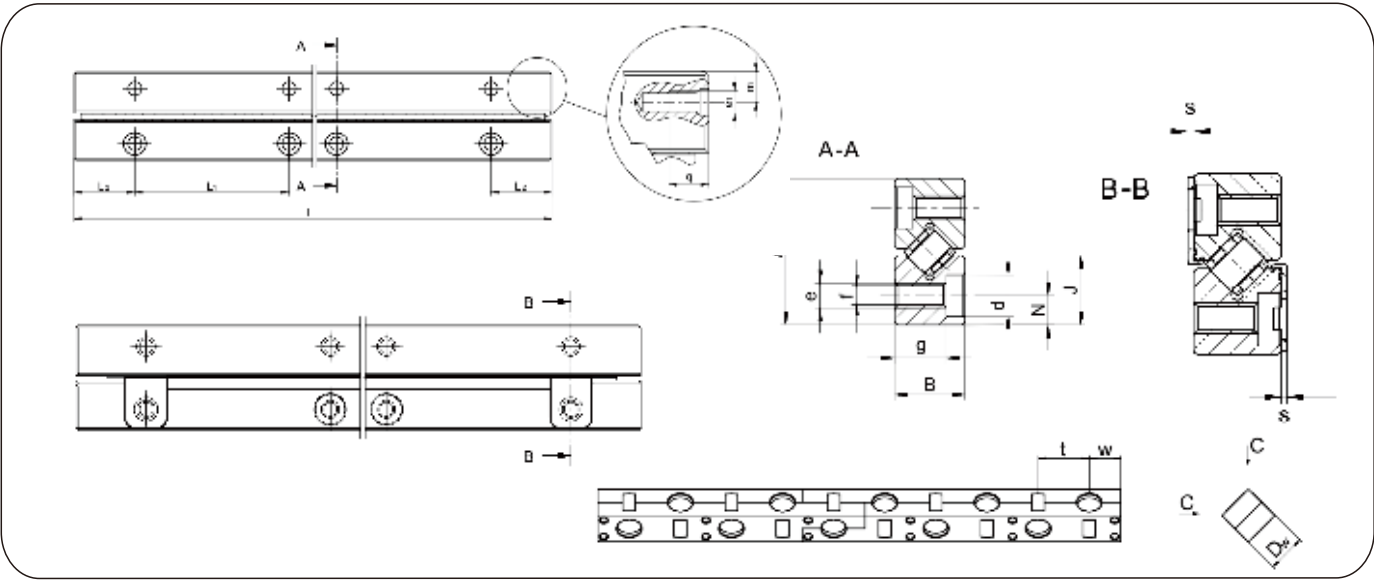
规格型号 Specification	重量 Weight	主要尺寸Main Size																				
		组合尺寸 Combination Size			组装尺寸 Assembly Size										保持器尺寸 Cage Size							
	A	B	L	J	L ₁	L ₂	N	d	e	e ₁	f	g	m	q	D _w	d	e	t	w	C per roller in N	max. length in mm	
R6100	145	31	15	100	13.9	50	25	6	9.5	M6	M5	5.2	9.8	6.9	9	6	2.5	14	9	6	530	1500
R6150	220			150																		
R6200	295			200																		
R6250	370			250																		
R6300	445			300																		
R6350	520			350																		
R6400	595			400																		
R6450	670			450																		
R6500	745			500																		
R6600	895			600																		
R9200	630	44	22	200	19.7	100	50	9	10.5	M8	M6	6.8	15.8	9.8	9	9	3.5	20	14	9	1300	1500
R9300	945			300																		
R9400	1260			400																		
R9500	1575			500																		
R9600	1890			600																		
R9700	2205			700																		
R9800	2520			800																		

施耐博格标准

RN型交叉滚子导轨

Schneeberger standard

RN type cross roller guide



规格型号 Specification	重量 Weight	主要尺寸Main Size																			
		组合尺寸 Combination Size			组装尺寸 Assembly Size												保持器尺寸 Cage Size				
	g	A	B	L	J	L ₁	L ₂	N	d	e	e ₁	f	g	m	q	s	D _w	t	w	C per roller in N	max. length in mm
RN3050	24	18	8	50	8.7	25	12.5	3.5	6	M4	M3	3.3	4.8	4.8	7	0.85	3	5	3.5	410	900
RN3075	35			75																	
RN3100	47			100																	
RN3125	59			125																	
RN3150	71			150																	
RN3175	82			175																	
RN3200	94			200																	
RN3225	106			225																	
RN3250	118			250																	
RN3275	129			275																	
RN3300	141	300																			

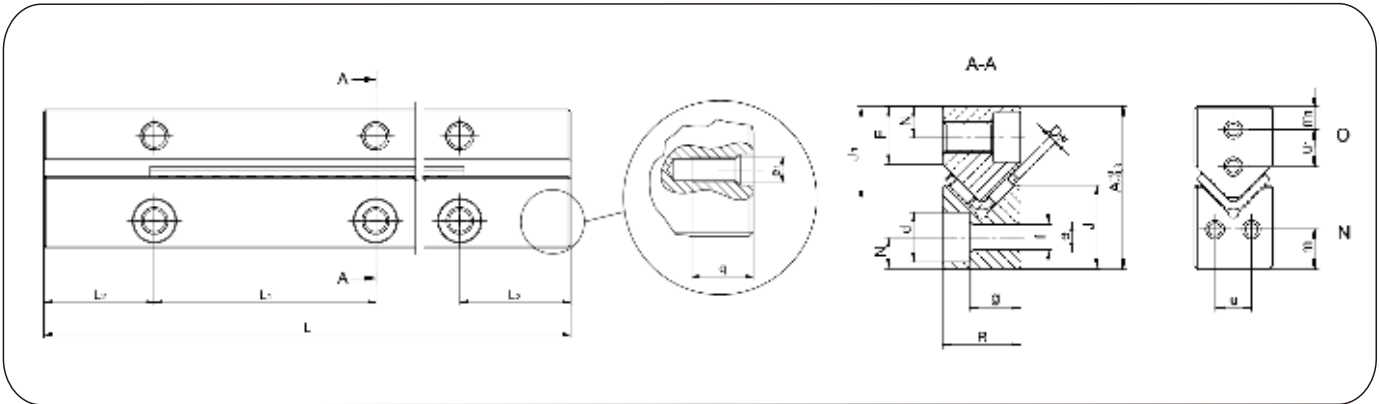
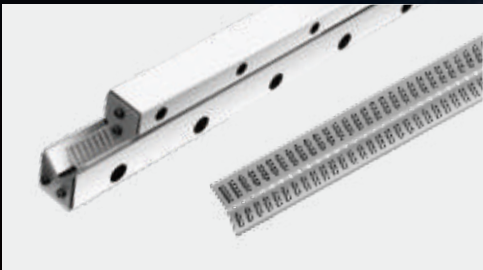
RN型交叉滚子导轨 RN type cross roller guide

规格型号 Specification	重量 Weight	主要尺寸Main Size																			
		组合尺寸 Combination Size			组装尺寸 Assembly Size												保持器尺寸 Cage Size				
	g	A	B	L	J	L ₁	L ₂	N	d	e	e ₁	f	g	m	q	s	D _w	t	w	C per roller in N	max. length in mm
RN4080	62	22	11	80	10.5	40	20	4.5	8	M5	M3	4.3	6.9	5.5	7	0.85	4.5	6.5	4	850	900
RN4120	93			120																	
RN4160	124			160																	
RN4200	155			200																	
RN4240	186			240																	
RN4280	217			280																	
RN4320	248			320																	
RN4360	279			360																	
RN4400	310			400																	
RN6100	151	31	15	100	14.8	50	25	6	9.5	M6	M5	5.2	9.8	7.5	9	0.85	6.5	8.5	5	1800	1500
RN6150	226			150																	
RN6200	301			200																	
RN6250	377			250																	
RN6300	452			300																	
RN6350	527			350																	
RN6400	603			400																	
RN6450	678			450																	
RN6500	753			500																	
RN9200	659	44	22	200	21.1	100	50	9	10.5	M8	M6	6.8	15.8	11.5	9	-	9	12	7.5	3900	1500
RN9300	988			300																	
RN9400	1318			400																	
RN9500	1647			500																	
RN9600	1976			600																	
RN9700	2306			700																	
RN9800	2635			800																	

施耐博格标准

N/O型交叉滚针导轨

Schneeberger standard
NO cross needle roller guide



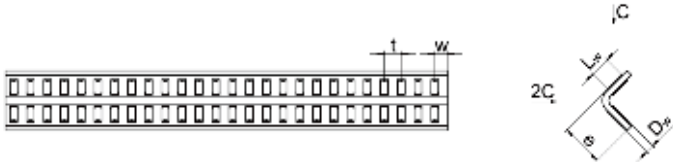
型号	A	B	Dw	F	J	J1	L1	L2	N	d	e	e1	f	g	m	m1	q	u	u1
N/O 62015	31	15	2	11	16	18	50	25	6	9.5	M6	M3	5.2	9.8	7.5	4.5	7	7	7
N/O 92025	44	22	2	15	24	24.5	100	50	9	10.5	M8	M4	6.8	15.8	11	6	11	10	10
N/O 2025	52	25	2	18	28	29	100	50	10	13.5	M10	M6	8.5	16.8	12	7	11	14	11
N/O 2535	62	30	2.5	22	34	35	100	50	12	16.5	M12	M6	10.5	19.8	15	8	11	18	12
N/O 3045	74	35	3	25	42.5	40	100	50	14	18.5	M14	M6	12.5	22.8	18	10	11	19	16
N/O 3555	78	45	3.5	25	45	45	100	50	14	18.5	M14	M6	12.5	32.5	18	12	11	29	20

1) 对于长度 100:L1=35(2X) 2) 对于长度 100:L1=50 3) 最小 15 4) 最小 20
1) for length 100:L1=35(2X) 2) for length 100:L1=50 3) min 15 4) min 20

类型 Type	Size	length L																	
N/O	62015	100	150	200	250	300	350	400	450	500									
N/O	92025	200	300	400	500	600	700	800											
N/O	2025	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600					
N/O	2535	300	400	500	600	700	800	900	1000	1100	1200	1400	1600						
N/O	3045	400	500	600	700	800	900	1000	1100	1200	1400	1600							
N/O	3555	500	600	700	800	900	1000	1100	1200	1400	1600								

HW型保持架

HW Type Cage

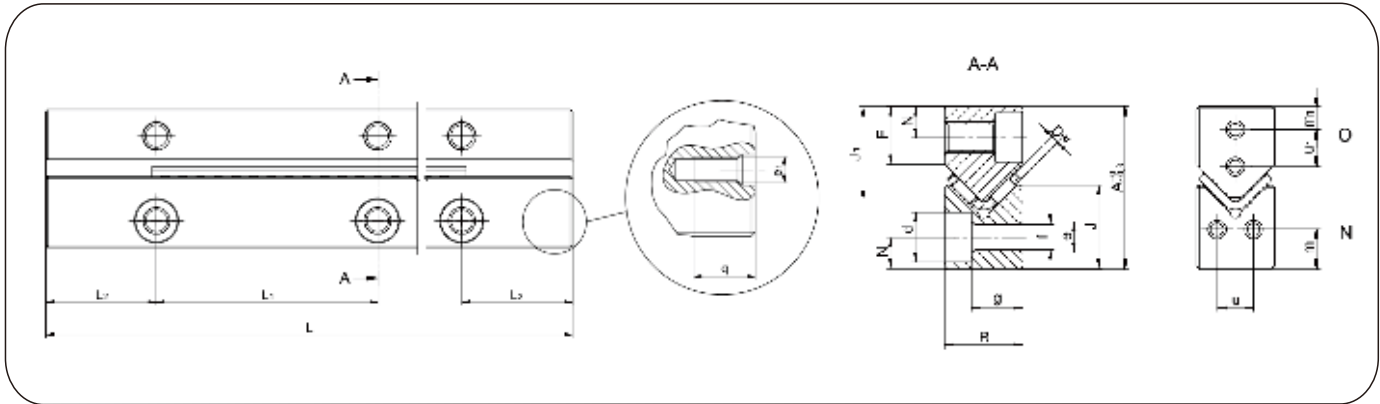


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
HW	10	2	4.8	10	4	3	530	1980
	15	2	6.8	14	4.5	2.5	750	1950
	16	2	8.8	16	3.8	2.8	970	1990
	20	2.5	9.8	20	5.5	4	1375	1970
	25	3	13.8	25	6	4.5	2350	1940
	30	3.5	17.8	30	7	5	3600	1980

施耐博格标准

NOG型防蠕动交叉滚针导轨

Schneeberger standard
NOG type anti-creep cross needle roller guide



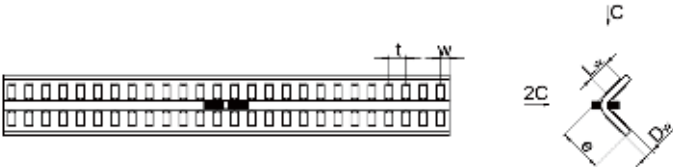
型号	A	B	Dw	F	J	J1	L1	L2	N	d	e	e1	f	g	m	m1	q	u	u1
NOG62015	31	15	2	11	16	18	50	25	6	9.5	M6	M3	5.2	9.8	7.5	4.5	7	7	7
NOG92025	44	22	2	15	24	24.5	100	50	9	10.5	M8	M4	6.8	15.8	11	6	11	10	10
NOG2025	52	25	2	18	28	29	100	50	10	13.5	M10	M6	8.5	16.8	12	7	11	14	11
NOG2535	62	30	2.5	22	34	35	100	50	12	16.5	M12	M6	10.5	19.8	15	8	11	18	12
NOG3045	74	35	3	25	42.5	40	100	50	14	18.5	M14	M6	12.5	22.8	18	10	11	19	16
NOG3555	78	45	3.5	25	45	45	100	50	14	18.5	M14	M6	12.5	32.5	18	12	11	29	20

1) 对于长度 100:L1=35(2X) 2) 对于长度 100:L1=50 3) 最小 15 4) 最小 20
1) for length 100:L1=35(2X) 2) for length 100:L1=50 3) min 15 4) min 20

类型 Type	Size	length L													
N/O	62015	100	150	200	250	300	350	400	450	500					
N/O	92025	200	300	400	500	600	700	800							
N/O	2025	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	
N/O	2535	300	400	500	600	700	800	900	1000	1100	1200	1400	1600		
N/O	3045	400	500	600	700	800	900	1000	1100	1200	1400	1600			
N/O	3555	500	600	700	800	900	1000	1100	1200	1400	1600				

HW(KZST)型保持架

HW (KZST) Type Cage

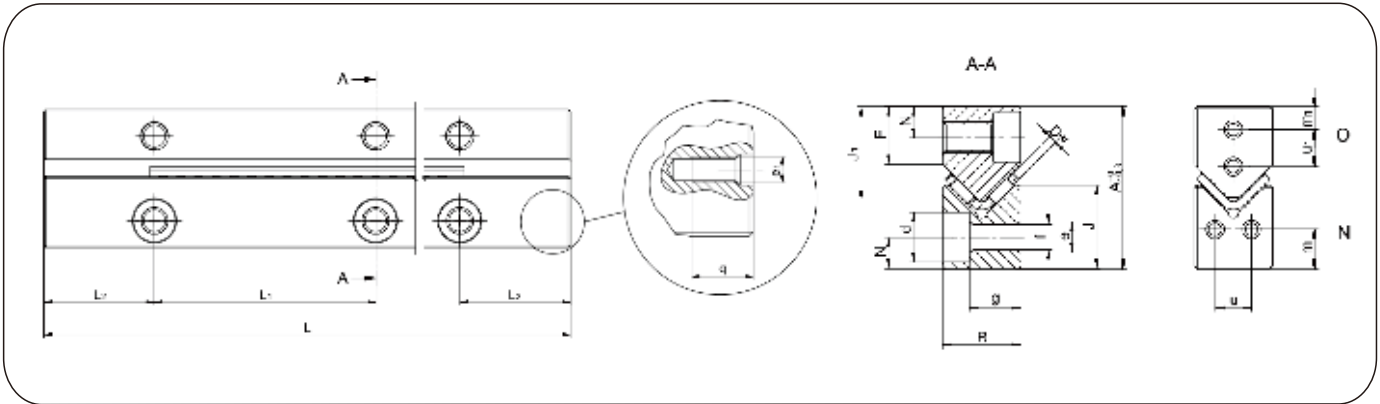


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
HW (KZST)	10	2	4.8	10	4	3	530	1980
	15	2	6.8	14	4.5	2.5	750	1950
	16	2	8.8	16	3.8	2.8	970	1990
	20	2.5	9.8	20	5.5	4	1375	1970
	25	3	13.8	25	6	4.5	2350	1940
	30	3.5	17.8	30	7	5	3600	1980

施耐博格标准

NO-H型交叉滚针导轨

Schneeberger standard
NO-H cross needle roller guide rail



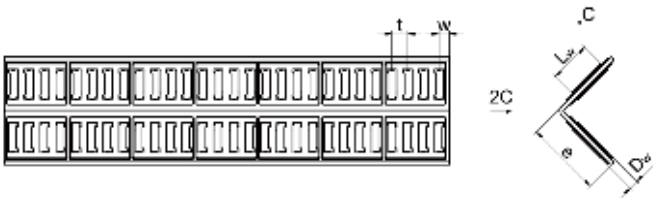
型号	A	B	Dw	F	J	J ₁	L ₁	L ₂	N	d	e	e ₁	f	g	m	m ₁	q	u	u ₁
NO62015H	31	15	2	11	16	18	50	25	6	9.5	M6	M3	5.2	9.8	7.5	4.5	7	7	7
NO92025H	44	22	2	15	24	24.5	100	50	9	10.5	M8	M4	6.8	15.8	11	6	11	10	10
NO2025H	52	25	2	18	28	29	100	50	10	13.5	M10	M6	8.5	16.8	12	7	11	14	11
NO2535H	62	30	2.5	22	34	35	100	50	12	16.5	M12	M6	10.5	19.8	15	8	11	18	12
NO3045H	74	35	3	25	42.5	40	100	50	14	18.5	M14	M6	12.5	22.8	18	10	11	19	16
NO3555H	78	45	3.5	25	45	45	100	50	14	18.5	M14	M6	12.5	32.5	18	12	11	29	20

1) 对于长度 100:L₁=35(2X) 2) 对于长度 100:L₁=50 3) 最小 15 4) 最小 20
1) for length 100:L₁=35(2X) 2) for length 100:L₁=50 3) min 15 4) min 20

类型 Type	Size	length L																	
N/O	62015	100	150	200	250	300	350	400	450	500									
N/O	92025	200	300	400	500	600	700	800											
N/O	2025	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600					
N/O	2535	300	400	500	600	700	800	900	1000	1100	1200	1400	1600						
N/O	3045	400	500	600	700	800	900	1000	1100	1200	1400	1600							
N/O	3555	500	600	700	800	900	1000	1100	1200	1400	1600								

SHW型保持架

SHW Type Cage

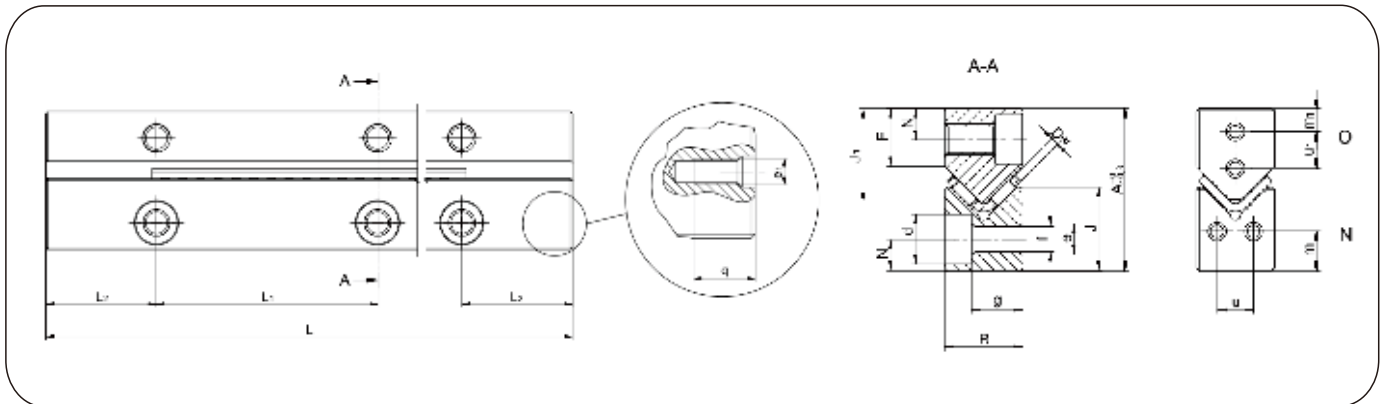
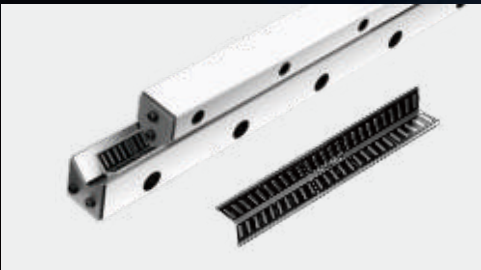


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
SHW	15	2	6.8	14	4	2.9	750	1500
	20	2.5	9.8	19	4.75	3.4	1375	1500
	25	3	13.8	25	5.2	3.6	2350	1500
	30	3.5	17.8	30	6.1	4.3	3600	1500

施耐博格标准

NOG-H型防蠕动交叉滚针导轨

Schneeberger standard
NOG-H type anti-creep cross needle roller guide rail



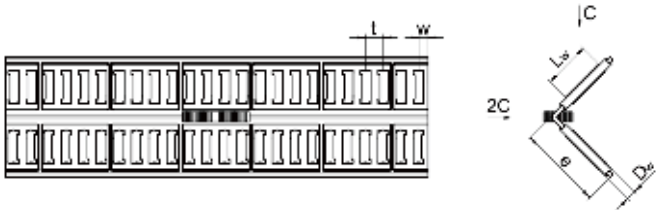
型号	A	B	Dw	F	J	J1	L1	L2	N	d	e	e1	f	g	m	m1	q	u	u1
NO62015H	31	15	2	11	16	18	50	25	6	9.5	M6	M3	5.2	9.8	7.5	4.5	7	7	7
NO92025H	44	22	2	15	24	24.5	100	50	9	10.5	M8	M4	6.8	15.8	11	6	11	10	10
NO2025H	52	25	2	18	28	29	100	50	10	13.5	M10	M6	8.5	16.8	12	7	11	14	11
NO2535H	62	30	2.5	22	34	35	100	50	12	16.5	M12	M6	10.5	19.8	15	8	11	18	12
NO3045H	74	35	3	25	42.5	40	100	50	14	18.5	M14	M6	12.5	22.8	18	10	11	19	16
NO3555H	78	45	3.5	25	45	45	100	50	14	18.5	M14	M6	12.5	32.5	18	12	11	29	20

1) 对于长度 100:L1=35(2X) 2) 对于长度 100:L1=50 3) 最小 15 4) 最小 20
1) for length 100:L1=35(2X) 2) for length 100:L1=50 3) min 15 4) min 20

类型 Type	Size	length L																	
N/O	62015	100	150	200	250	300	350	400	450	500									
N/O	92025	200	300	400	500	600	700	800											
N/O	2025	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600					
N/O	2535	300	400	500	600	700	800	900	1000	1100	1200	1400	1600						
N/O	3045	400	500	600	700	800	900	1000	1100	1200	1400	1600							
N/O	3555	500	600	700	800	900	1000	1100	1200	1400	1600								

SHW(KZST)型保持架

SHW (KZST) Type Cage

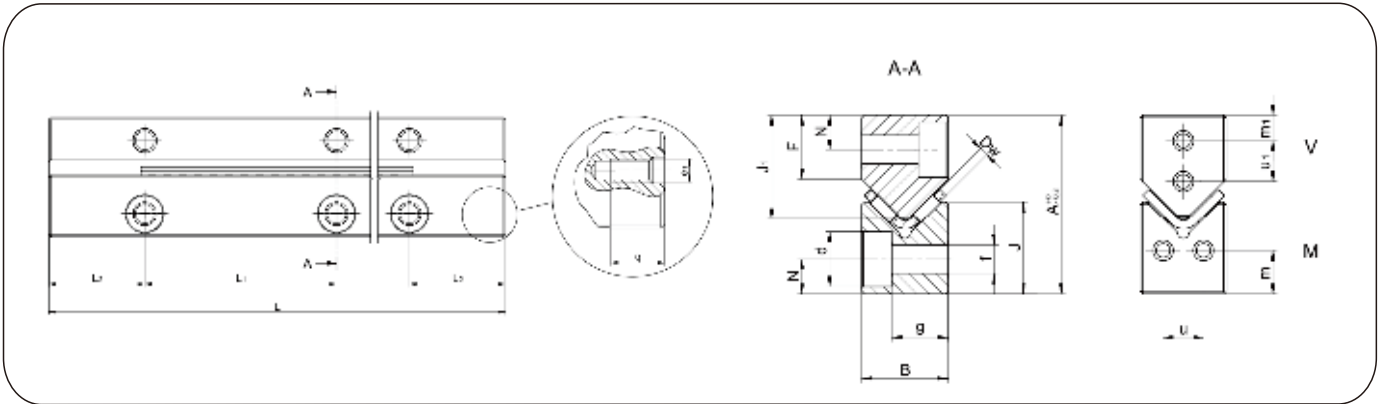


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
SHW (KZST)	15	2	6.8	14	4	2.9	750	1500
	20	2.5	9.8	19	4.75	3.4	1375	1500
	25	3	13.8	25	5.2	3.6	2350	1500
	30	3.5	17.8	30	6.1	4.3	3600	1500

施耐博格标准

M/V型交叉滚针导轨

Schneeberger standard
M/V cross needle roller guide



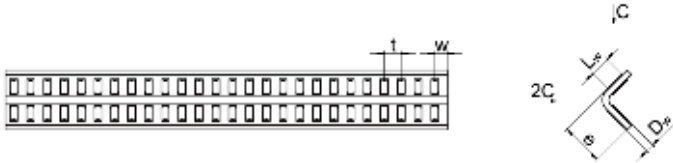
型号	A	B	Dw	F	J	J ₁	L ₁	L ₂	N	d	f	g	m	m ₁	u	u ₁
M/V 3015	30	15	2	10,5	15,5	17,4	¹⁾ 40	³⁾	5,5	8,5	5,3	10,5	8	5,5	7	7
M/V 4020	40	20	2	13,5	22,5	22	²⁾ 80	⁴⁾	7,5	11,5	7,5	13,2	10	5,5	11	10,5
M/V 5025	50	25	2	17	28	28	²⁾ 80	⁴⁾	10	11,5	7,5	18,2	12	7	13	13
M/V 6035	60	35	2,5	20	35	35,5	100	50	11	15	10	26	14	8	20	18
M/V 7040	70	40	3	24	40	41,5	100	50	13	18,5	12,5	29	16	10	20	20
M/V 8050	80	50	3,5	26	45	48	100	50	14	20	14	37	20	10	30	25

1) 对于长度 100:L₁=35(2X) 2) 对于长度 100:L₁=50 3) 最小 15 4) 最小 20
1) for length 100:L₁=35(2X) 2) for length 100:L₁=50 3) min 15 4) min 20

类型 Type	Size	length L										Max L	
M/V	3015	100	150	200	300	400	500	600				1200	
M/V	4020	100	150	200	300	400	500	600				1500	
M/V	5025	100	200	300	400	500	600	700	800	900	1000	1500	
M/V	6035	200	300	400	500	600	700	800	900	1000		1500	
M/V	7040	200	300	400	500	600	700	800	900	1000		1500	
M/V	8050	300	400	500	600	700	800	900	1000			1500	

HW型保持架

HW Type Cage

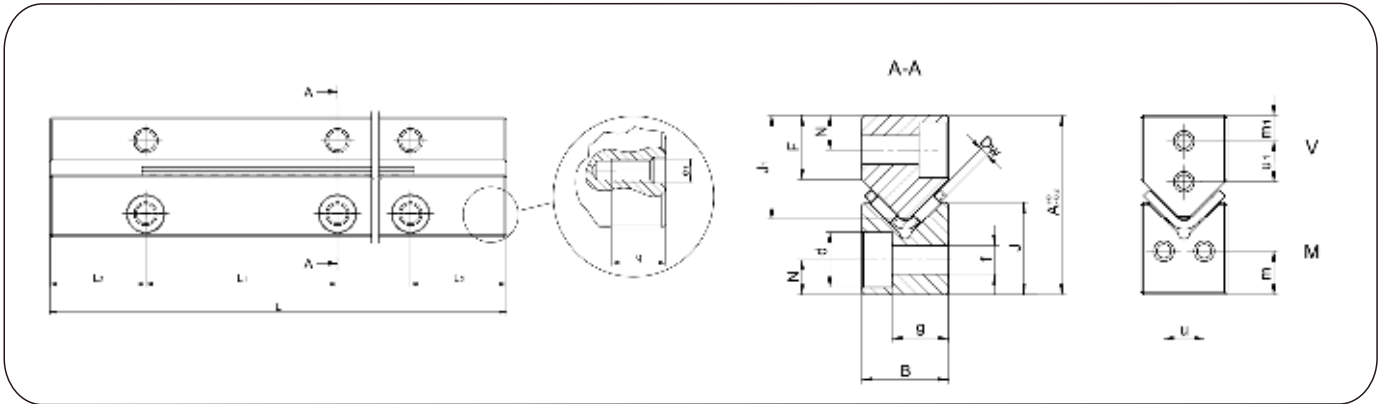


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
HW	10	2	4.8	10	4	3	530	1980
	15	2	6.8	14	4.5	2.5	750	1950
	16	2	8.8	16	3.8	2.8	970	1990
	20	2.5	9.8	20	5.5	4	1375	1970
	25	3	13.8	25	6	4.5	2350	1940
	30	3.5	17.8	30	7	5	3600	1980

施耐博格标准

MVG型防蠕动交叉滚针导轨

Schneeberger standard
MVG type anti-creep cross needle roller guide



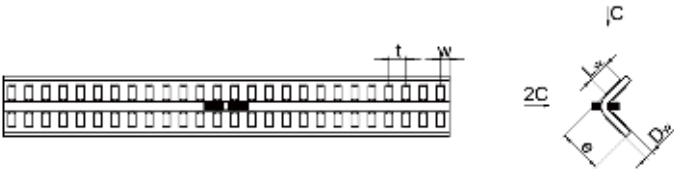
型号	A	B	Dw	F	J	J ₁	L ₁	L ₂	N	d	f	g	m	m ₁	u	u ₁
MVG3015	30	15	2	10.5	15.5	17.4	¹⁾ 40	³⁾	5.5	8.5	5.3	10.5	8	5.5	7	7
MVG4020	40	20	2	13.5	22.5	22	²⁾ 80	⁴⁾	7.5	11.5	7.5	13.2	10	5.5	11	10.5
MVG5025	50	25	2	17	28	28	²⁾ 80	⁴⁾	10	11.5	7.5	18.2	12	7	13	13
MVG6035	60	35	2.5	20	35	35.5	100	50	11	15	10	26	14	8	20	18
MVG7040	70	40	3	24	40	41.5	100	50	13	18.5	12.5	29	16	10	20	20
MVG8050	80	50	3.5	26	45	48	100	50	14	20	14	37	20	10	30	25

1) 对于长度 100:L₁=35(2X) 2) 对于长度 100:L₁=50 3) 最小 15 4) 最小 20
1) for length 100:L₁=35(2X) 2) for length 100:L₁=50 3) min 15 4) min 20

类型 Type	Size	length L										Max L	
MVG	3015	100	150	200	300	400	500	600				1200	
MVG	4020	100	150	200	300	400	500	600				1500	
MVG	5025	100	200	300	400	500	600	700	800	900	1000	1500	
MVG	6035	200	300	400	500	600	700	800	900	1000		1500	
MVG	7040	200	300	400	500	600	700	800	900	1000		1500	
MVG	8050	300	400	500	600	700	800	900	1000			1500	

HW(KZST)型保持架

HW (KZST) Type Cage

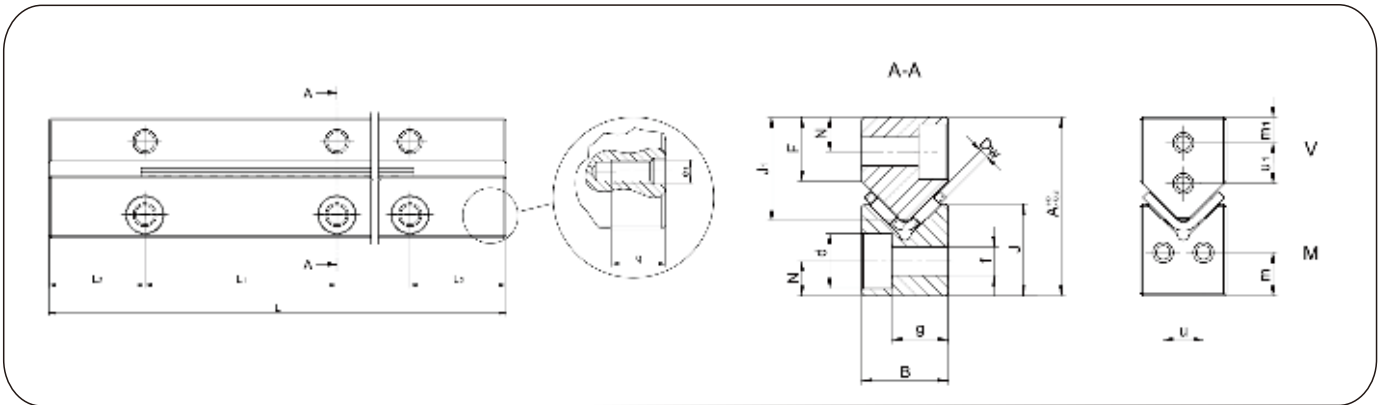


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
HW (KZST)	10	2	4.8	10	4	3	530	1980
	15	2	6.8	14	4.5	2.5	750	1950
	16	2	8.8	16	3.8	2.8	970	1990
	20	2.5	9.8	20	5.5	4	1375	1970
	25	3	13.8	25	6	4.5	2350	1940
	30	3.5	17.8	30	7	5	3600	1980

施耐博格标准

MV-H型交叉滚针导轨

Schneeberger standard
M/V-H cross needle roller guide



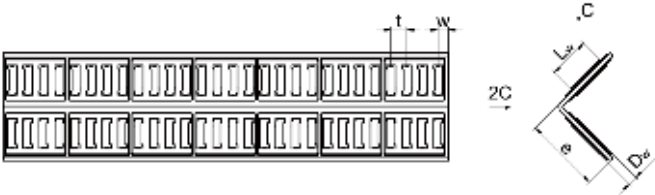
型号	A	B	Dw	F	J	J ₁	L ₁	L ₂	N	d	f	g	m	m ₁	u	u ₁
MV3015H	30	15	2	10.5	15.5	17.4	¹⁾ 40	³⁾	5.5	8.5	5.3	10.5	8	5.5	7	7
MV4020H	40	20	2	13.5	22.5	22	²⁾ 80	⁴⁾	7.5	11.5	7.5	13.2	10	5.5	11	10.5
MV5025H	50	25	2	17	28	28	²⁾ 80	⁴⁾	10	11.5	7.5	18.2	12	7	13	13
MV6035H	60	35	2.5	20	35	35.5	100	50	11	15	10	26	14	8	20	18
MV7040H	70	40	3	24	40	41.5	100	50	13	18.5	12.5	29	16	10	20	20
MV8050H	80	50	3.5	26	45	48	100	50	14	20	14	37	20	10	30	25

1) 对于长度 100:L₁=35(2X) 2) 对于长度 100:L₁=50 3) 最小 15 4) 最小 20
1) for length 100:L₁=35(2X) 2) for length 100:L₁=50 3) min 15 4) min 20

类型 Type	Size	length L											Max L
MV-H	3015	100	150	200	300	400	500	600					1200
MV-H	4020	100	150	200	300	400	500	600					1500
MV-H	5025	100	200	300	400	500	600	700	800	900	1000		1500
MV-H	6035	200	300	400	500	600	700	800	900	1000			1500
MV-H	7040	200	300	400	500	600	700	800	900	1000			1500
MV-H	8050	300	400	500	600	700	800	900	1000				1500

SHW型保持架

SHW Type Cage

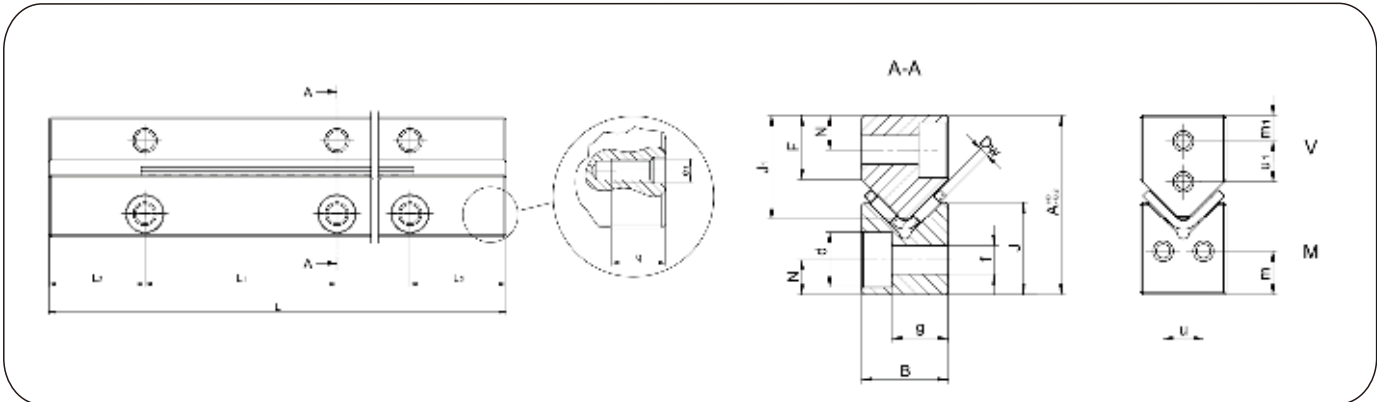


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
SHW	15	2	6.8	14	4	2.9	750	1500
	20	2.5	9.8	19	4.75	3.4	1375	1500
	25	3	13.8	25	5.2	3.6	2350	1500
	30	3.5	17.8	30	6.1	4.3	3600	1500

施耐博格标准

MVG-H型防蠕动交叉滚针导轨

Schneeberger standard
MVG-H type anti-creep cross needle roller guide



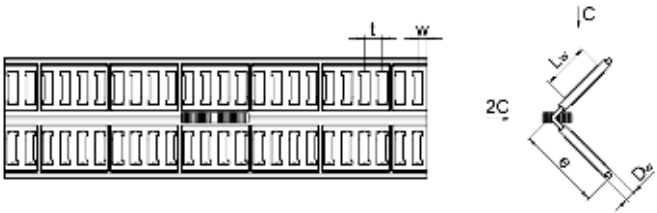
型号	A	B	Dw	F	J	J ₁	L ₁	L ₂	N	d	f	g	m	m ₁	u	u ₁
MVG3015H	30	15	2	10.5	15.5	17.4	¹⁾ 40	³⁾	5.5	8.5	5.3	10.5	8	5.5	7	7
MVG4020H	40	20	2	13.5	22.5	22	²⁾ 80	⁴⁾	7.5	11.5	7.5	13.2	10	5.5	11	10.5
MVG5025H	50	25	2	17	28	28	²⁾ 80	⁴⁾	10	11.5	7.5	18.2	12	7	13	13
MVG6035H	60	35	2.5	20	35	35.5	100	50	11	15	10	26	14	8	20	18
MVG7040H	70	40	3	24	40	41.5	100	50	13	18.5	12.5	29	16	10	20	20
MVG8050H	80	50	3.5	26	45	48	100	50	14	20	14	37	20	10	30	25

1) 对于长度 100:L₁=35(2X) 2) 对于长度 100:L₁=50 3) 最小 15 4) 最小 20
1) for length 100:L₁=35(2X) 2) for length 100:L₁=50 3) min 15 4) min 20

类型 Type	Size	length L										Max L	
MVG-H	3015	100	150	200	300	400	500	600				1200	
MVG-H	4020	100	150	200	300	400	500	600				1500	
MVG-H	5025	100	200	300	400	500	600	700	800	900	1000	1500	
MVG-H	6035	200	300	400	500	600	700	800	900	1000		1500	
MVG-H	7040	200	300	400	500	600	700	800	900	1000		1500	
MVG-H	8050	300	400	500	600	700	800	900	1000			1500	

SHW(KZST)型保持架

SHW (KZST) Type Cage

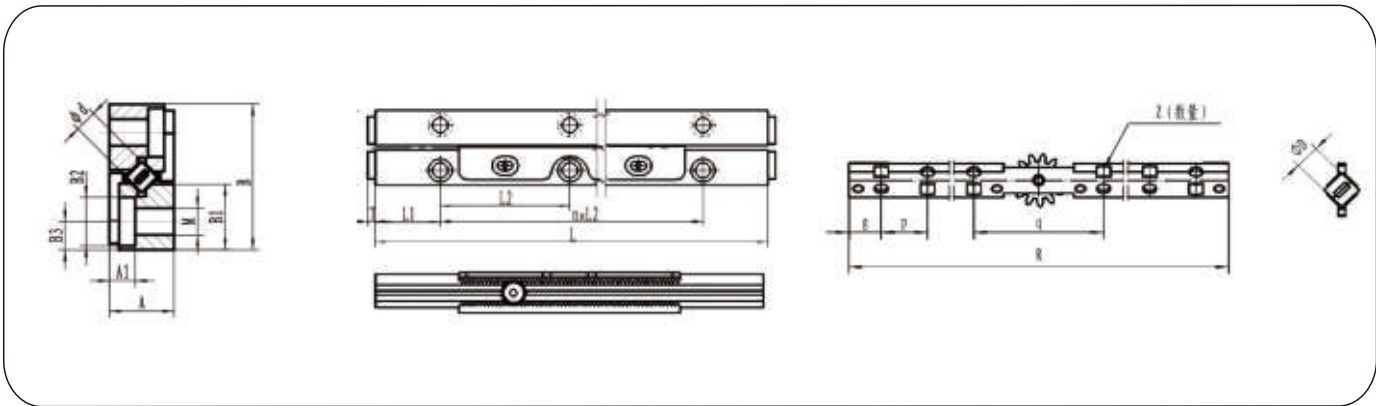
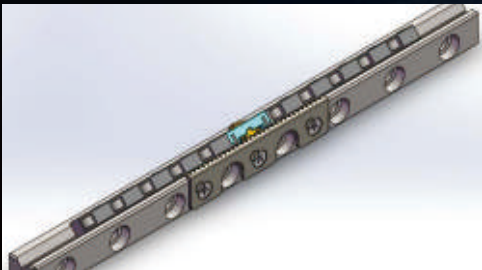


类型 Type	尺寸 Size	Dw	Lw	e	t	w	每颗珠承载重量 C per needle in N	最大长度 max. length in mm
SHW (KZST)	15	2	6.8	14	4	2.9	750	1500
	20	2.5	9.8	19	4.75	3.4	1375	1500
	25	3	13.8	25	5.2	3.6	2350	1500
	30	3.5	17.8	30	6.1	4.3	3600	1500

瑞施博格标准

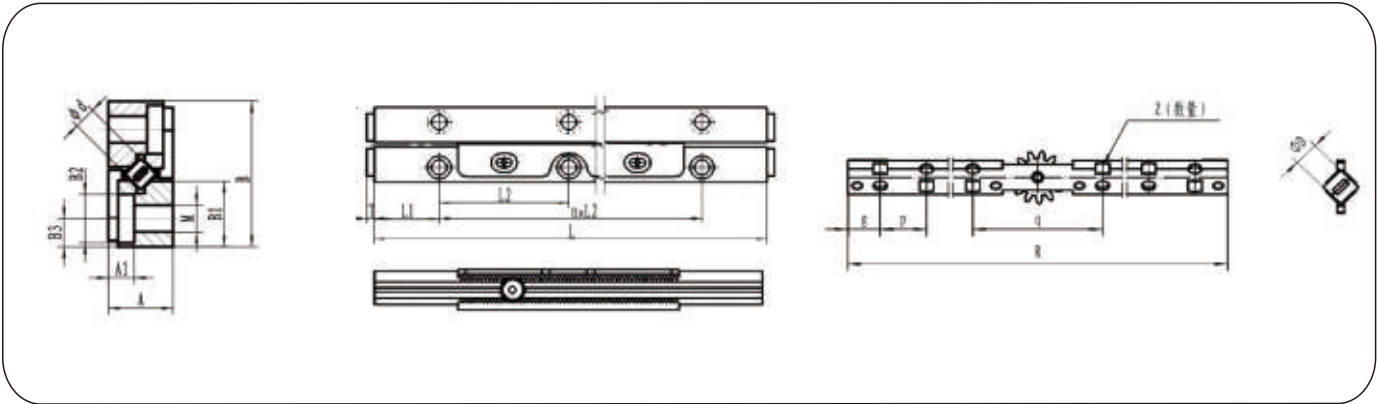
SWRG型交叉滚子导轨

Swissberger standard
SWRG cross roller guide



规格型号 Specification	最大行程 Max Stroke mm	主要尺寸Main Size																滚柱数量 number of rollers Z	容许预压量 Allowable Preload	基本额定负荷 Basic Load Flating		质量 Kg/m Weigh
		组合尺寸 Combination Size				组装尺寸 Assembly Size								保持器尺寸 Cage Size								
		B	A	L	n x L2	L1	B1	B3	M	B2	A1	T	D	R	g	p	q			CZ /KN	C0Z /KN	
SWRG3-75-8Z	46	18	8	75	2 x 25	12.5	8.3	3.5	Ø3.6 / M4	6	3.2	2	3	52	4	5	14	8	-4	0.363	0.275	0.45
SWRG3-100-12Z	56			100	3 x 25									72				12				
SWRG3-125-15Z	76			125	4 x 25									87				15				
SWRG3-150-19Z	86			150	5 x 25									107				19				
SWRG3-175-22Z	106			175	6 x 25									122				22				
SWRG3-200-26Z	116			200	7 x 25									142				26				
SWRG4-80-6Z	56	22	11	80	1 x 40	20	10	4.7	Ø4.8 / M5	7.8	4.4	2	4	52	5	6	18	6	-5	0.764	0.637	0.8
SWRG4-120-10Z	88			120	2 x 40									76				10				
SWRG4-160-15Z	108			160	3 x 40									106				15				
SWRG4-200-19Z	140			200	4 x 40									130				19				
SWRG4-240-24Z	160			240	5 x 40									160				24				
SWRG4-280-29Z	180			280	6 x 40									190				29				
SWRG4-320-33Z	212			320	7 x 40									214				33				
SWRG4-360-38Z	232			360	8 x 40									244				38				
SWRG4-400-43Z	252			400	9 x 40									274				43				

SWRG型交叉滚子导轨 SWRG cross roller guide



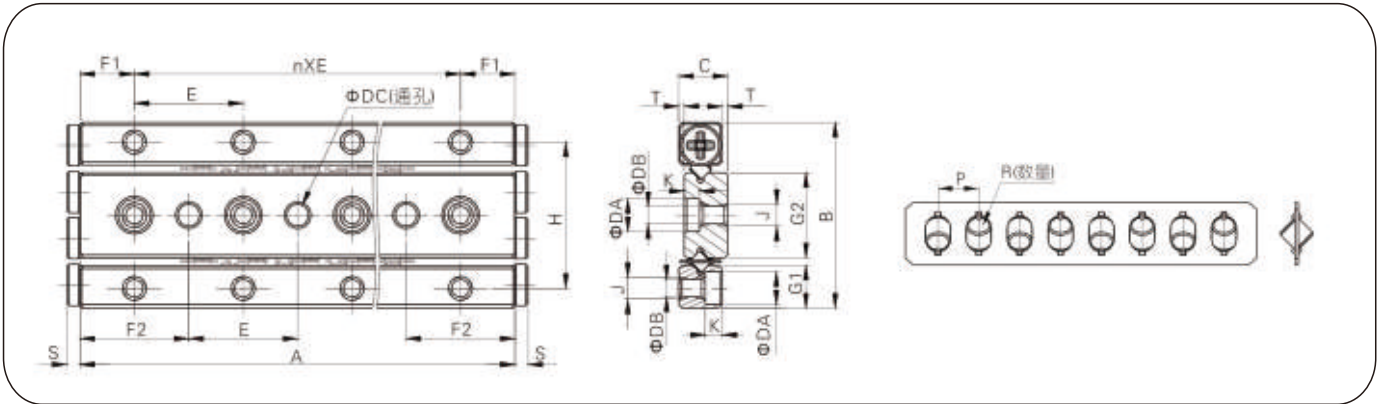
规格型号 Specification	最大行程 Max Stroke mm	主要尺寸Main Size															滚柱数量 number of rollers Z	容许预压力 Allowable Preload	基本额定负荷 Basic Load Flating		质量 Kg/m Weigh	
		组合尺寸 Combination Size				组装尺寸 Assembly Size							保持器尺寸 Cage Size									
		B	A	L	n x L2	L1	B1	B3	M	B2	A1	T	D	R	g	p			q			
SWRG6-100-6Z	65	30	15	100	1 x 50	25	14	6	Ø6.4 / M6	10	6.2	3.5	6	67.5	4.5	7.5	28.5	6	-7	1.91	1.76	1.5
SWRG6-150-10Z	105			150	2 x 50									97.5				10				
SWRG6-200-14Z	145			200	3 x 50									127.5				14				
SWRG6-250-19Z	163			250	4 x 50									168.5				19				
SWRG6-300-23Z	196			300	5 x 50									202				23				
SWRG6-350-28Z	221			350	6 x 50									239.5				28				
SWRG6-400-32Z	261			400	7 x 50									269.5				32				
SWRG6-450-37Z	286			450	8 x 50									307				37				
SWRG6-500-41Z	326			500	9 x 50									337				41				
SWRG6-550-47Z	336			550	10 x 50									382				47				
SWRG6-600-51Z	376			600	11 x 50									412				51				
SWRG9-200-9Z	130	40	20	200	1 x 100	50	18.9	8	Ø7 / M8	11	7.5	4	9	135.4	6.5	11.2	44	9	-10	4.31	4.36	3.2
SWRG9-300-15Z	195			300	2 x 100									202.6				15				
SWRG9-400-22Z	238			400	3 x 100									281				22				
SWRG9-500-27Z	304			500	4 x 100									348				27				
SWRG9-600-33Z	370			600	5 x 100									415.2				33				
SWRG9-700-39Z	435			700	6 x 100									482.4				39				
SWRG9-800-46Z	478			800	7 x 100									560.8				46				
SWRG9-900-52Z	544			900	8 x 100									628				52				
SWRG9-1000x58Z	610			1000	9 x 100									695.2				58				

亚德客标准

LGC型三排交叉滚子导轨

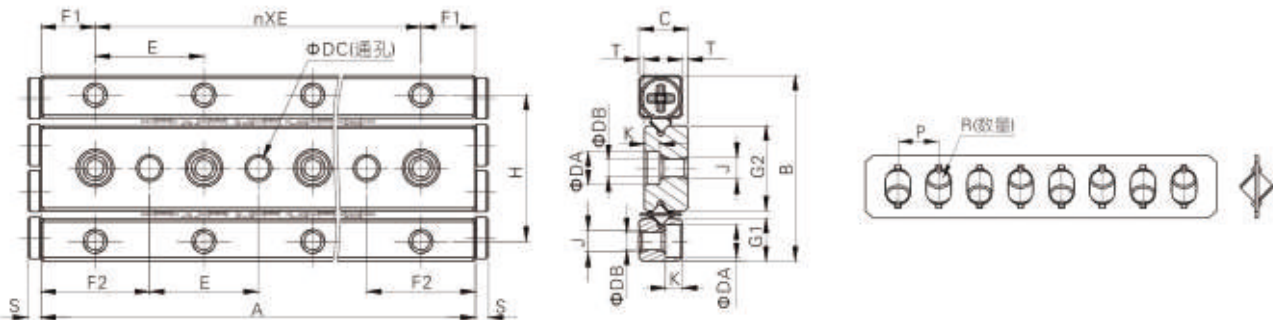
Airtac standard

LGC three-row cross roller guide



规格型号 Specification	A	B	C	ØDA	ØDB	ØDC	nxE	F1	F2	G1	G2	H	J	K	S	P	动额定负荷 Dynamic rated load (C1)	静额定负荷 Static rated load (C0)	容许负荷 Allowable load (F0)
LGC1A20	20	17	4.5	4.5	3.0	$2^{+0.03}_{+0.005}$	1x10	5	10	3.9	7.8	13.4	M2X0.4	1.5	1.2	2.5	125N/颗	120N/颗	39N/颗
LGC1A30	30						2x10												
LGC1A40	40						3x10												
LGC1A50	50						4x10												
LGC1A60	60						5x10												
LGC1A70	70						6x10												
LGC1A80	80						7x10												
LGC2A30	30	24	6.5	4.4	2.5	$3^{+0.03}_{+0.005}$	1x15	7.5	15	5.5	11	19	M3X0.5	2.1	1.5	4	292N/颗	290N/颗	97N/颗
LGC2A45	45						2x15												
LGC2A60	60						3x15												
LGC2A75	75						4x15												
LGC2A90	90						5x15												
LGC2A105	105						6x15												
LGC2A120	120						7x15												
LGC2A135	135						8x15												
LGC2A150	150						9x15												
LGC2A165	165						10x15												
LGC2A180	180						11x15												

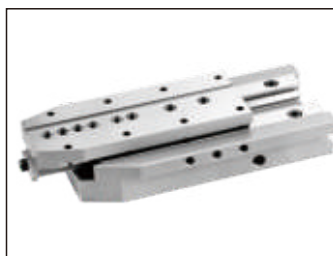
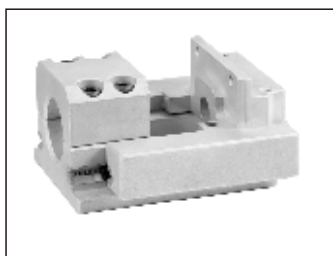
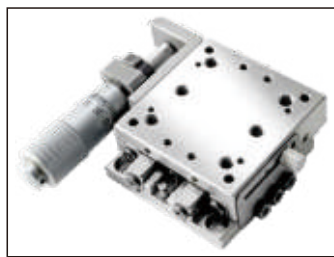
LGC型三排交叉滚子导轨 LGC three-row cross roller guide



规格型号 Specification	A	B	C	ØDA	ØDB	ØDC	nxE	F1	F2	G1	G2	H	J	K	S	P	动额定负荷 Dynamic rated load (C1)	静额定负荷 Static rated load (C0)	容许负荷 Allowable load (F0)
LGC3A50	50	36	8.5	6.0	3.4	4 ^{+0.03 +0.005}	1x25	12.5	25	8.3	16.6	29	M4X0.7	3.1	2	5	640N/颗	610N/颗	203N/颗
LGC3A75	75						2x25												
LGC3A100	100						3x25												
LGC3A125	125						4x25												
LGC3A150	150						5x25												
LGC3A175	175						6x25												
LGC3A200	200						7x25												
LGC3A225	225						8x25												
LGC3A250	250						9x25												
LGC3A275	275						10x25												
LGC3A300	300						11x25												
LGC4A80	80	44	11.5	7.5	4.3	5 ^{+0.03 +0.005}	1x40	20	40	10	20	35	M5X0.8	4.1	2	7	1230N/颗	1170N/颗	390N/颗
LGC4A120	120						2x40												
LGC4A160	160						3x40												
LGC4A200	200						4x40												
LGC4A240	240						5x40												
LGC4A280	280						6x40												
LGC4A320	320						7x40												
LGC4A360	360						8x40												
LGC4A400	400						9x40												
LGC4A440	440						10x40												
LGC4A480	480						11x40												

非标定制导轨

Non-standard customized guide rails



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Make high precision guide rails
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Swedish technology seiko manufacturing



THK标准交叉导轨
THK standard cross guide rail



IKO标准交叉导轨
IKO standard cross guide rail



SKF标准交叉导轨
IKO standard cross guide rail



NB标准交叉导轨
NB standard cross guide rail



NB标准弧形导轨
NB standard curved guide rail



亚德客标准交叉导轨
Airtic Standard Cross Guide Rail



施耐博格标准交叉导轨
Schneeberger standard cross guide rail



施耐博格标准交叉滚针导轨
Schneeberger standard cross needle roller guide



非标定制导轨
Non-standard customized guide rails

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