



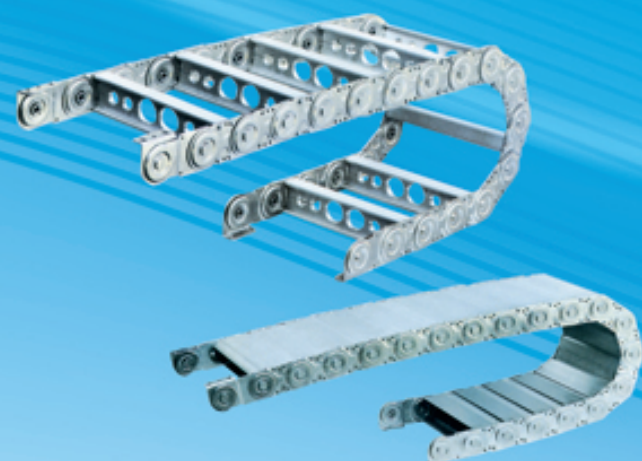
拖链系列

Drag chain series

拖链一般应用在机床机械等的电缆、油管、气管、水管、风管上起牵引和保护作用。

拖链分为钢制拖链、塑料拖链。钢制拖链由钢铝组合而成可以定做，塑料拖链又称为工程拖链，坦克链。

拖链根据使用环境和使用要求的不同分为桥式拖链、全封闭拖链、半封闭拖链三种。



工程塑料拖链系列简介

A brief introduction to engineering plastic cable drag chains

拖链的用途和特点

- ◆ 适合于使用在往复运动的场合，能够对内置的电缆、油管、气管、水管等起到牵引和保护作用。
- ◆ 拖链每节都能打开，便于安装和维修。运动时噪音低、耐磨、可高速运动。
- ◆ 拖链已被广泛应用于数控机床、电子设备、石材机械、玻璃机械、门窗机械、注塑机、机械手、起重运输设备、自动化仓库等。

拖链的结构

- ◆ 拖链外形似坦克链，由众多单元链节组成，链节之间转动自如。
- ◆ 相同系列的拖链内高、外高、节距相同，拖链内高、弯曲半径R可有不同的选择。
- ◆ 单元链节由左右链板和上下盖板组成，拖链每节都能打开，装拆方便，不必穿线，打开盖板后即可把电缆、油管、气管等放入拖链内。
- ◆ 另可提供分隔片，将链内空间按需要分隔开。

拖链的基本参数

- ◆ 材料：增强尼龙，具有高的压力和抗拉负荷，良好的韧性、高弹性、耐磨性、阻燃性。高温时性能稳定，可以使用在室外。
- ◆ 抗耐性：耐油、盐并有一定的耐酸、耐碱能力。
- ◆ 运行速度和加速度：最高速度可达5米/秒，最高加速度可达5米/秒²（具体速度、加速度视运行情况而定）。
- ◆ 运行寿命：在正常架空使用情况下，可达500万往复运动次数（具体寿命视运行情况而定）。

技术指标/Technical data:

抗拉强度 Tensile strength	180N/mm ²	体积电阻 Volume resistance	10 ¹⁰ ~ 10 ¹⁵
冲击强度 Impact strength	50KJ/m ²	吸水性 (23°C) Water Absorption	4%
温度范围 Temperature range	-40°C ~ 130°C	摩擦系数 Friction factor	0.3
表面电阻 Surface resistance	10 ¹⁰ ~ 10 ¹² Ω	阻燃性 Flame resistance	HB(UL94)

Characteristics and Applications of Drag Chains

- ◆ The product can be used for such locations where reciprocating motions are required so that internally installed cables, oil pipes, gas tubes and water tubes can be dragged and protected.
- ◆ Each joint of the chain can be opened up so as to facilitate repairs and maintenance. It gives low noises and is of anti-wearing while running. It can also be operated under high speed.
- ◆ The drag chains have already extensively used in digital-controlled machine tools, electronic equipment, machinery for stone industry, machinery for glass industry, machinery for doors and windows, moulding injectors, manipulators, lifting and transport equipment and automatic warehouses, etc.

Construction of the drag chains

- ◆ The appearance of the chain looks like the crawler of a tank consisting of certain number of joints. The joints of crawler are freely turned round.
- ◆ The same series of chain has same inner height and out height and same pitch but the inner height and bend radius R can be made per different specifications.
- ◆ A unit chain joint is consisting of a left-right chain plate and a updown cover. Each chain joint can be opened up so as to facilitate assembly and dismantal without threading. Cables, oil pipes and gas pipes can be put into the drag chain after the cover plate is opened.
- ◆ Spacers are available for use, which are able to divide the space inside the chain into divisions according to requirements.

Basic parameters of drag chains

- ◆ Material: reinforced nylon. It can stand with high pressure and has good tensile strength, toughness and elasticity, wearing and flammable resistance.
- ◆ Resistances: It is oil and salt resistant.
- ◆ Operating speed and acceleration: Max. operating speed is 5m/sec. and max. acceleration is 5m/sec². (specific speed and acceleration depends on specific situation).
- ◆ Service life: Under normal conditions, 5 million reciprocating motions can be reached (which is also related to the operating conditions.)



运行方式的多样性

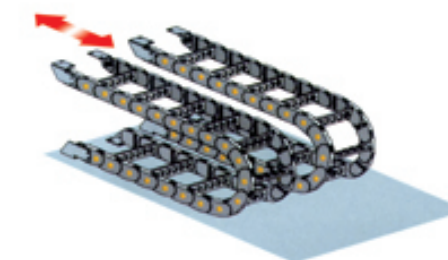
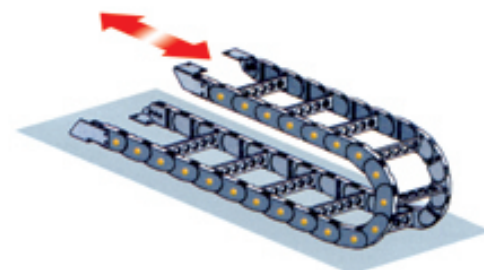
Mounting Variations

水平方向的拖链

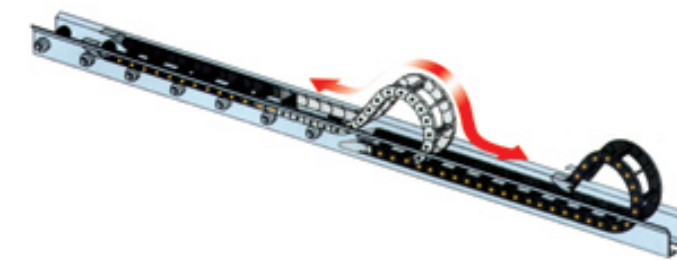
恒特的拖链，多种型号及规格满足了许多不同的运行联结方式的要求，在这页列出了不同种类的联接方式，想要获得个别工程的需要，请与我们的技术部门联系，他们可以解决任何专门的技术问题和根据您特殊要求为您设计制造适合的产品。

Chains Placed Horizontally

Hengte chains, thanks to a large range of models and versions, satisfy many requirements in variety and combination of motions. On this page the various combinations of mounting of mounting are listed. For further information about realising a personalised project please contact our technical department. They are at your disposal to resolve any specific problems you may have and can design according to your particular request.

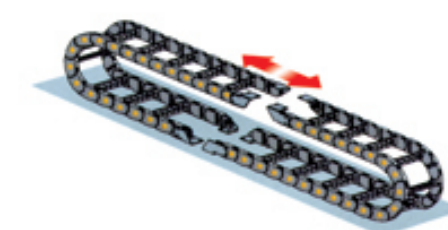
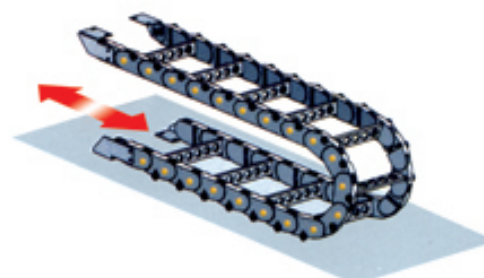


拖链平行运动
Chains positioned in parallel.

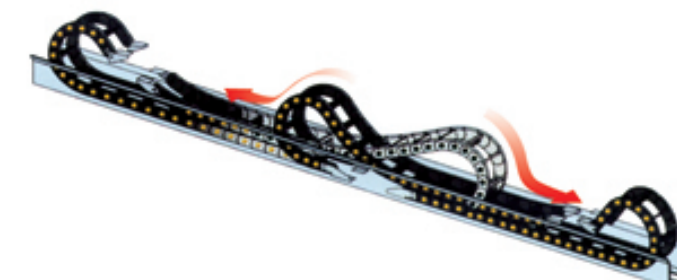


拖链长距离水平运动
Long horizontal-1 chain

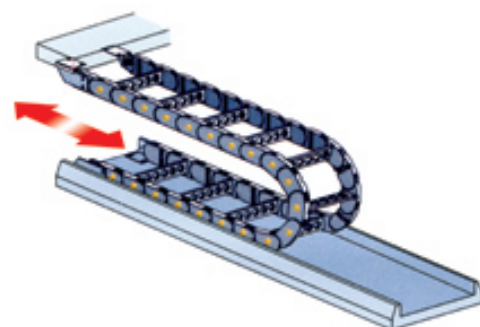
移动端在上方水平运动
Horizontal with mobile point above.



拖链往复循环运动
chain making a ring configuration.

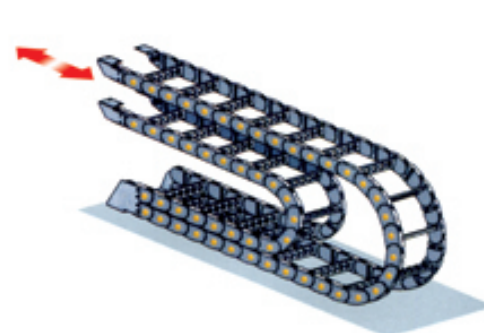


拖链长距离水平运动
Long horizontal-2 chain



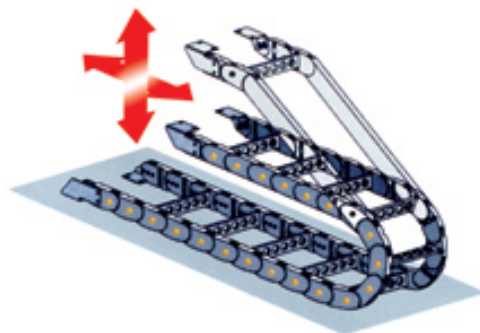
移动端在下方的水平运动（对于汽车）
Horizontal with mobile point below(to the car).

移动端在下方的水平运动
Horizontal with mobile point below.



水平和垂直的组合运动
Combination of both vertical and horizontal movement.

叠加运动的拖链
Superimposed chains.



垂直方向的拖链

恒特可以提供关于垂直运动的答案，由于他们特殊的设计，被应用在较长的行程，关于循环往复运动的问题，也被展拓系列拖链解决了。还可以应用在逆时针运动的工程方面。

Chains Placed Vertically

Hengte also provide answers to problems concerning vertical motion. Thanks to their particular design Shengtuo cable chains can also be used in applications with extremely long travel distances.



下方是曲线的垂直运动
Vertical with curve below



水平和垂直方向的组合运动
Combination of both vertical and horizontal movement

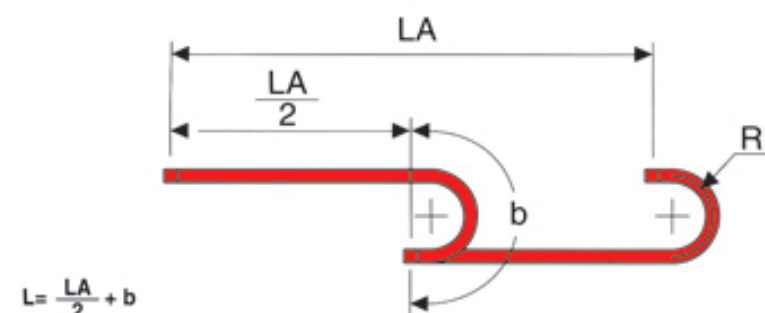


上方是曲线的垂直运动
Vertical with curve above

拖链长度的确定

Determining the Chain length

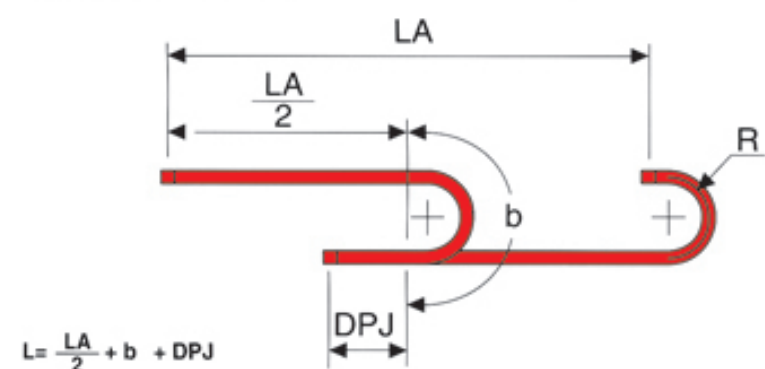
固定点在运行中间位置时 Fixed point at the centre of total travel



The chain length (**L**) is calculated by summarising the half stroke $\frac{LA}{2}$ to the nominal value (**b**) of the bending radius. The value is then rounded up the multiply of the chain's pitch for nylon cable chains and to an odd multiply for steel chains.

拖链长度的计算取决于 $\frac{LA}{2}$ 中心点到弯曲半径的距离, 这个值 (**b**) 会随着拖链节距的变化而变化, 适用于尼龙拖链和钢铝拖链。

固定点偏离运行中间时 Fixed point not positioned at the centre of total travel



The chain length (**L**) is calculated by summarising the half stroke $\frac{LA}{2}$ to the nominal value (**b**) of the bending radius and the distance (**DPJ**) from fixed point to centre of total stroke.

The value is then rounded up the multiply of the chain's pitch for nylon cable chains and to an odd multiply for steel chains. 拖链长度的计算取决于 $\frac{LA}{2}$ 中心点到弯曲半径的距离, DPJ 表示固定端偏离中心点的距离, 这个值 (b) 会随着拖链节距的变化而变化, 适用于尼龙拖链和钢铝拖链。

备注(Where):

L = 拖链长度 length of chain

DPJ = 固定端偏离行程中心的距离

$\frac{LA}{2}$ = 1/2 的行程 Half travel distance

Distance from fixed point to centre of total stroke

b = 曲线的长度 ($\pi \times R$) + ($2 \times P$)

P = 节距 Pitch

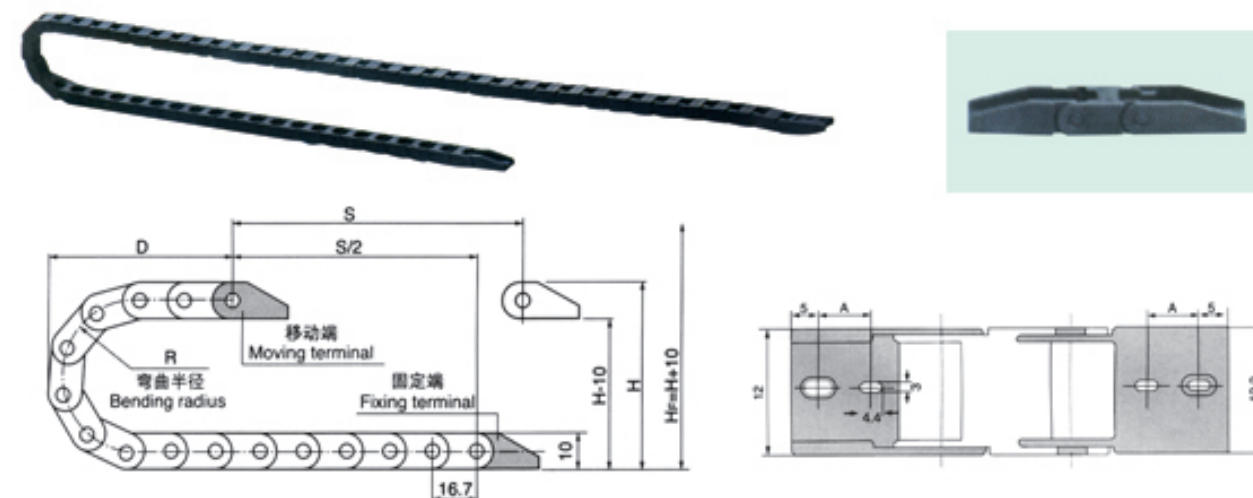
Length of curve $(\pi \times R) + (2 \times P)$

$$L1 = (H/2 \times \pi) \div 2$$

按装高度 $H_p = H + D_1$ Fix height $H_p = H + D_1$ $H = 2R + D_1$ $b = 2\pi R \div 2 + 2P$

HTTL07系列工程塑料拖链

HTTL07 Series Engineering Plastic Cable Drag Chains



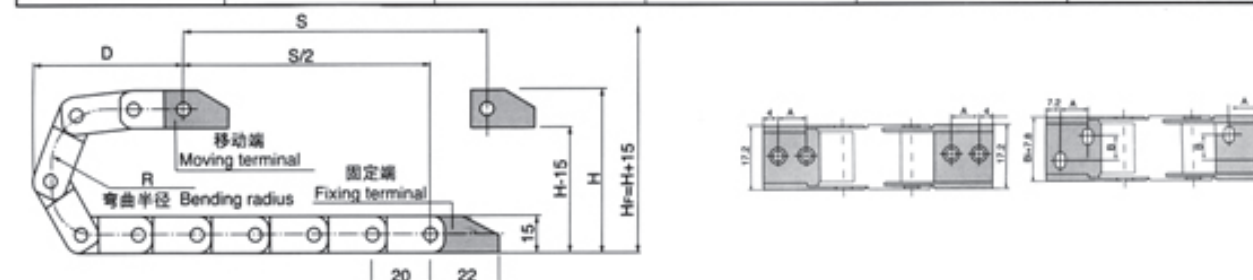
型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	型式 Type	对应接头孔距 (mm)
HTTL07	7 × 7	10 × 12.5	15	不可打开型	A=8

HTTL10系列工程塑料拖链

HTTL10 Series Engineering Plastic Cable Drag Chains



型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	型式 Type	对应接头孔距 (mm)
HTTL10	10 × 6	13.5 × 13.5	18	方便型	A=8
	10 × 10	14 × 17.5		不可打开型	A=8
	10 × 15	14 × 23		不可打开型	A=10 B=0
	10 × 20	14 × 28.5		不可打开型	A=10 B=0

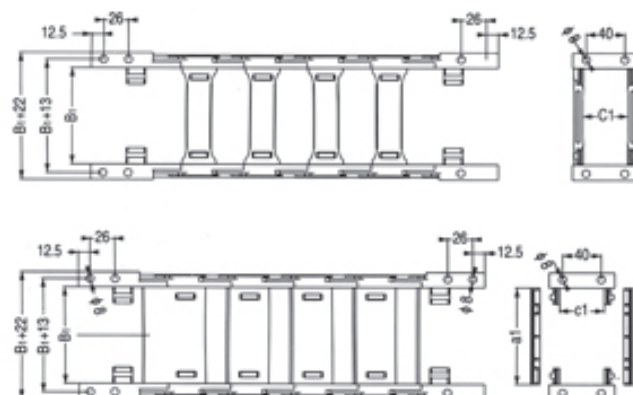
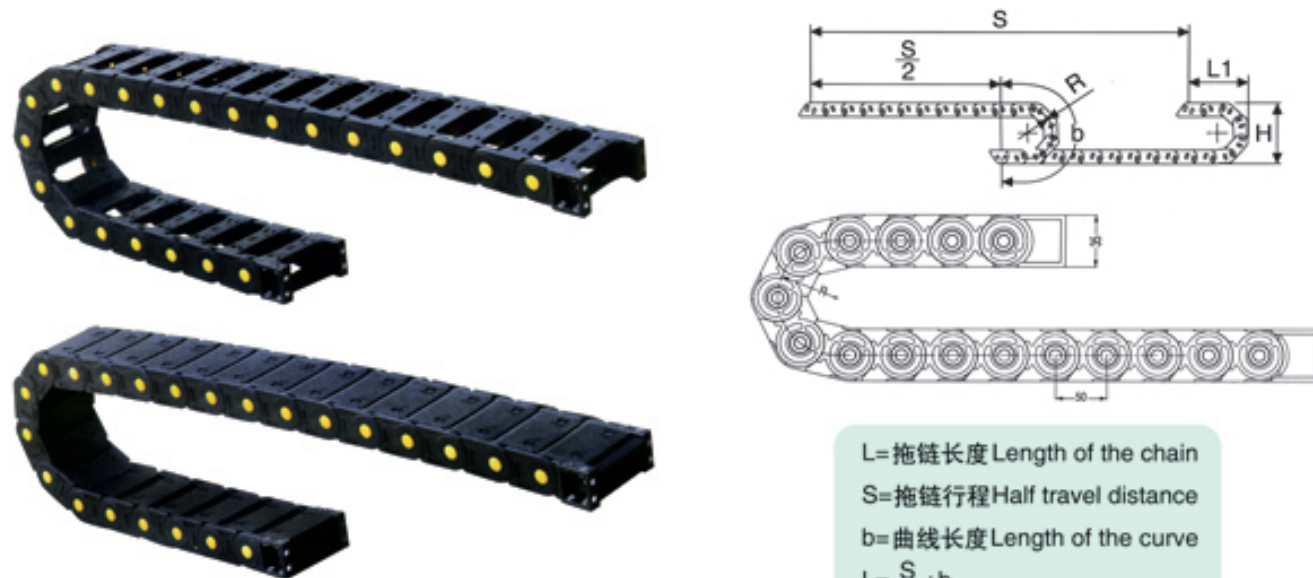




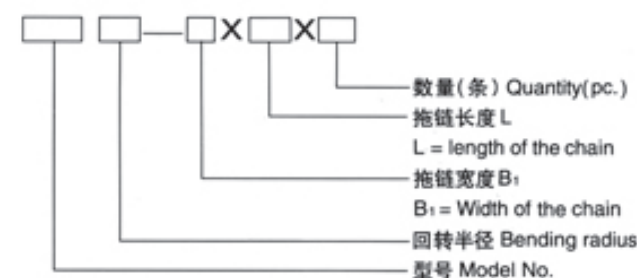
HTTL20 系列工程塑料拖链

HTTL20 Series Engineering Plastic Drag Chain

型号 Model No.	规格 Spec.	内宽B ₁ (mm) Inside width	内高H ₁ (mm) Inside height	外宽B (mm) Outside width	外高H (mm) Outside height	回转半径(R) (mm) Bending radius	节距 (mm) Pitch	形式 Type
HTTL20	20 × 25	25	20	42	35	55.75.100	45.5	桥式 全封闭 Bridge type Totally enclosed
	20 × 38	38		55				
	20 × 50	50		65				
	20 × 57	57		75				
	20 × 77	77		93				
	20 × 103	103		120				



标记意义 Legends:



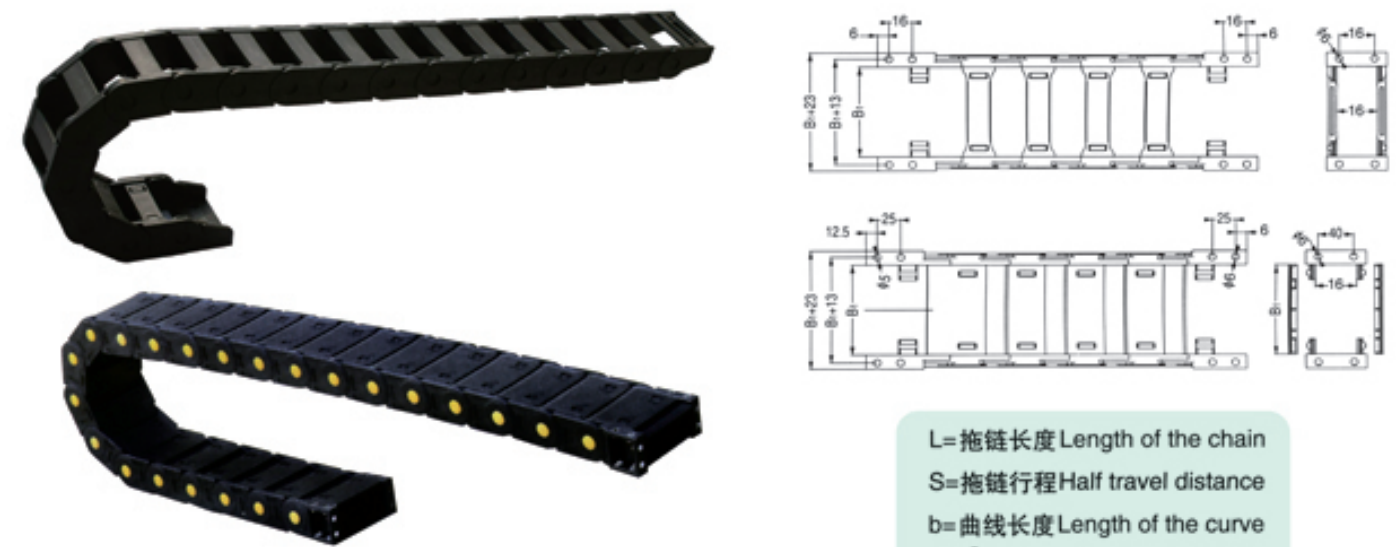
适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.

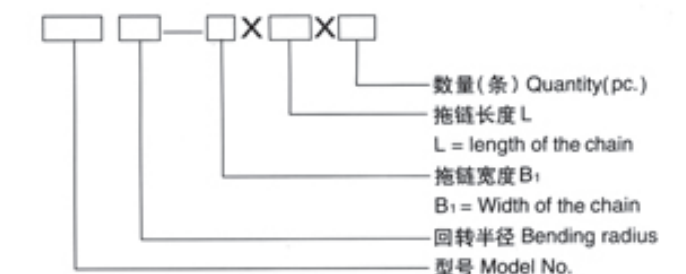
HTTL25 系列加强型工程尼龙拖链

HTTL25 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL25	25 × 25	40 × 42	55.75.100 125.150.175	46	2.6	四片装 上下可开 桥式 全封闭 4 piece Both lids can be opened Bridge type Totally enclosed	25
	25 × 38	40 × 55					38
	25 × 50	40 × 67					50
	25 × 57	40 × 74					57
	25 × 77	40 × 94					60
	25 × 103	40 × 120					70



标记意义 Legends:



适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.



HTTL30 系列加强型工程尼龙拖链

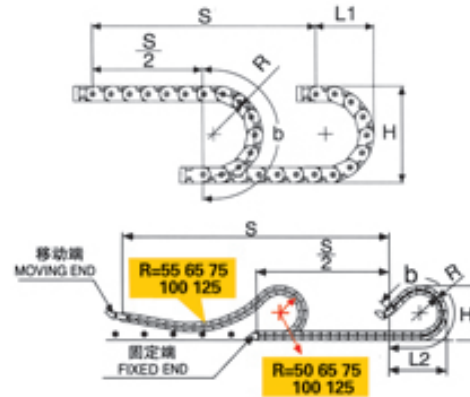
HTTL30 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL30	30 × 25	45 × 40	75,100,125,150	50	3.1	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	38
	30 × 38	45 × 53					50
	30 × 50	45 × 65					57
	30 × 57	45 × 72					60
	30 × 77	45 × 92					70
	30 × 103	45 × 118					75

HTTL35 系列加强型工程尼龙拖链

HTTL35 Series Reinforced type Engineering Nylon Drag Chain

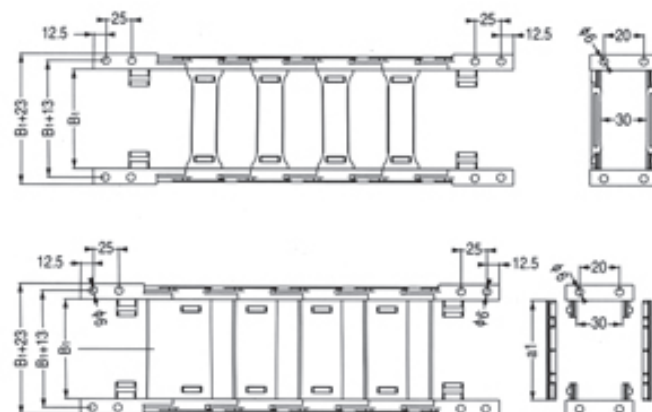
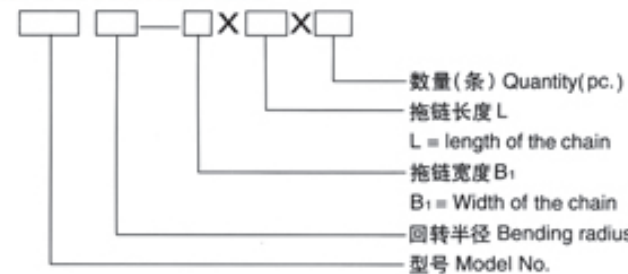
型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL35	35 × 50	55 × 72	75,100,125,150,200	60	5	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	38
	35 × 60	55 × 82			5		50
	35 × 75	55 × 97			5		57
	35 × 100	55 × 122			4		60
	35 × 125	55 × 147			4		70
	35 × 150	55 × 172			4		75
	35 × 175	55 × 197			3.5		80
	35 × 200	55 × 222			3.5		100



A型长距离使用形式 When Type A is used in a long travel distance

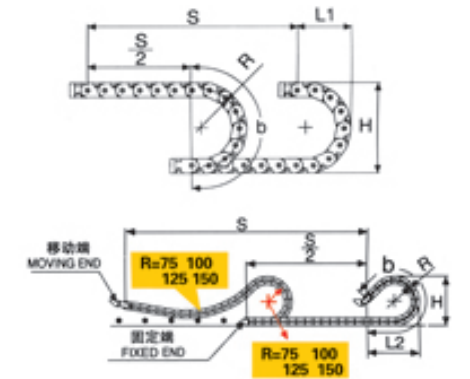
L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$

标记意义 Legends:



适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

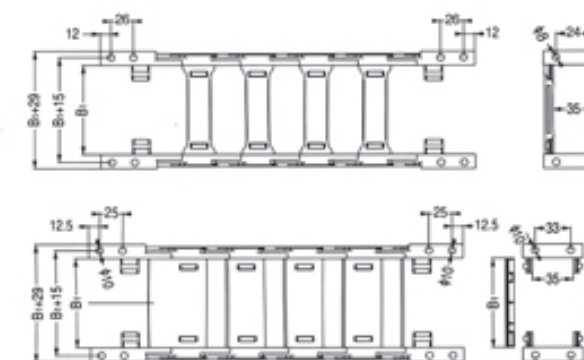
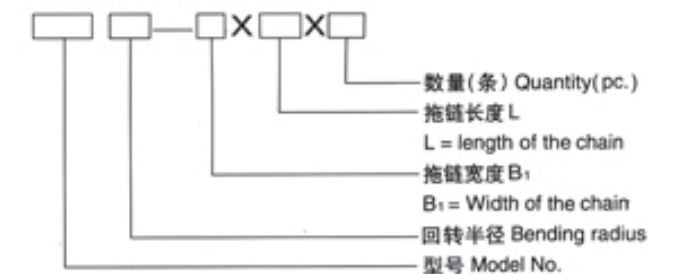
They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.



A型长距离使用形式 When Type A is used in a long travel distance

L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$

标记意义 Legends:



适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

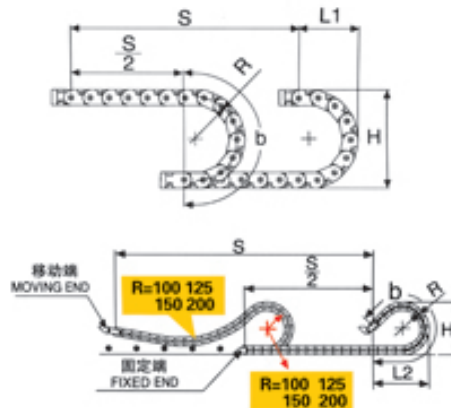
They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.



HTTL45 系列加强型工程尼龙拖链

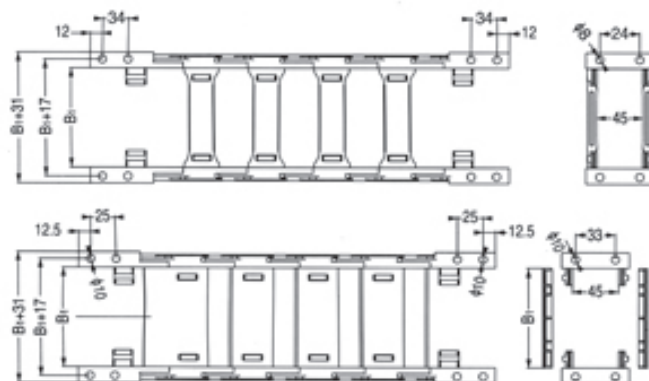
HTTL45 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL45	45 × 50	65 × 85	75, 100, 125, 150, 200	70	5	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	75
	45 × 60	65 × 95			5		100
	45 × 75	65 × 110			4		115
	45 × 100	65 × 135			4		125
	45 × 125	65 × 160			4		150
	45 × 150	65 × 185			3		175
	45 × 175	65 × 210			3		200
	45 × 200	65 × 235			3		225

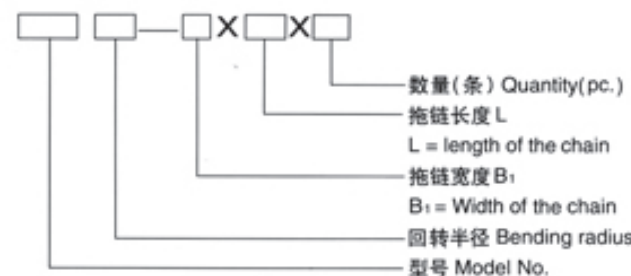


A型长距离使用形式 When Type A is used in a long travel distance

L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$



标记意义 Legends:

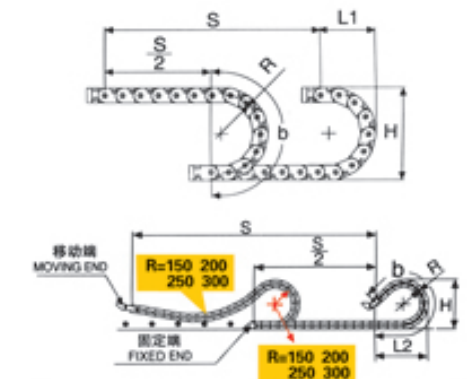


适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。
They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.

HTTL55 系列加强型工程尼龙拖链

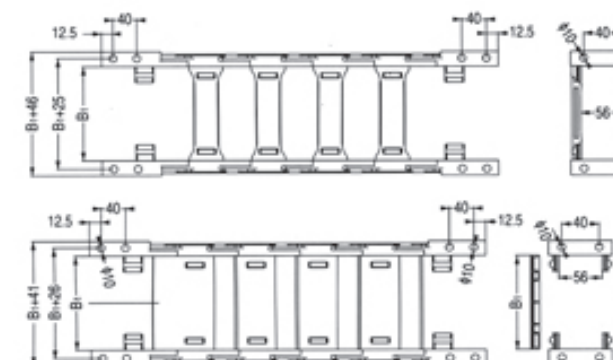
HTTL55 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL55	55 × 75	75 × 107	150, 200, 250, 300	100	6	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	75
	55 × 100	75 × 132			6		100
	55 × 125	75 × 157			6		125
	55 × 150	75 × 180			5		150
	55 × 175	75 × 207			5		175
	55 × 200	75 × 232			5		200
	55 × 250	75 × 282			4		250
	55 × 300	75 × 332			4		300

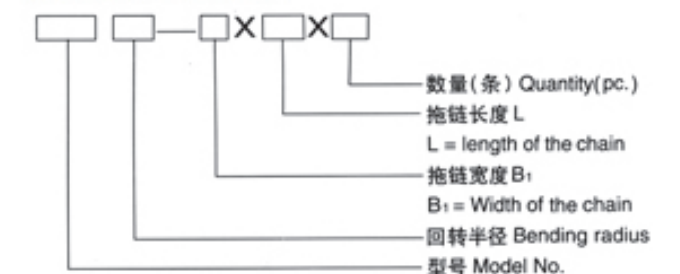


A型长距离使用形式 When Type A is used in a long travel distance

L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$



标记意义 Legends:



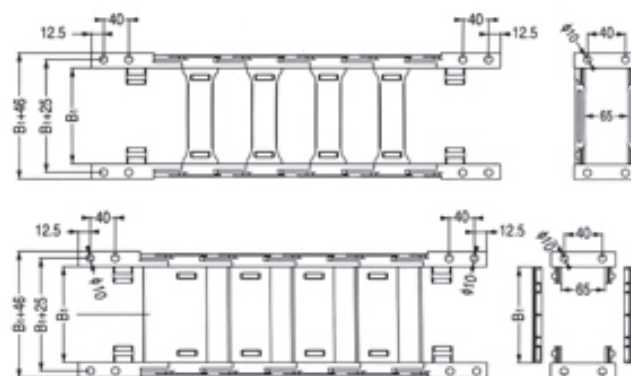
适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。
They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.



HTTL65 系列加强型工程尼龙拖链

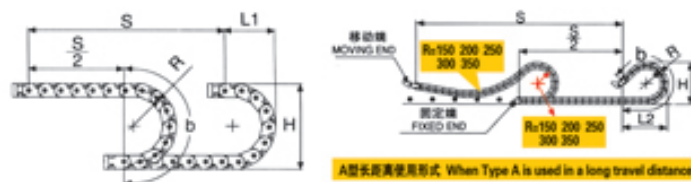
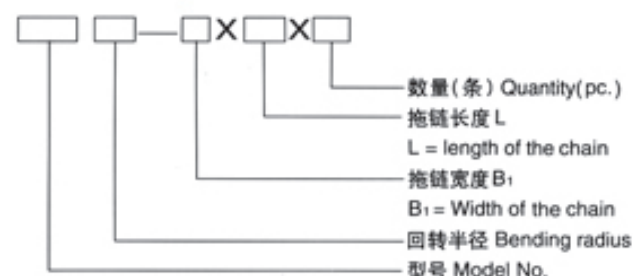
HTTL65 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL65	65 × 75	85 × 110	150, 200, 250, 300, 350	100	6	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	75
	65 × 100	85 × 135					100
	65 × 125	85 × 160					125
	65 × 150	85 × 185					150
	65 × 175	85 × 210					175
	65 × 200	85 × 235					200
	65 × 250	85 × 285					250
	65 × 300	85 × 335					300



L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$

标记意义 Legends:



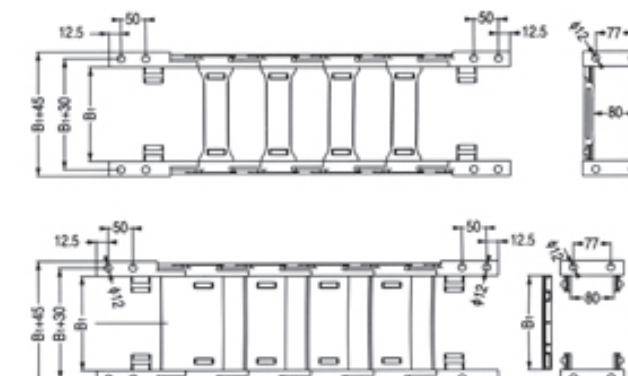
适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.

HTTL80 系列加强型工程尼龙拖链

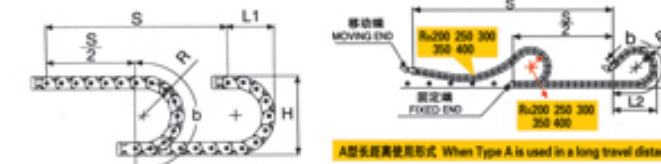
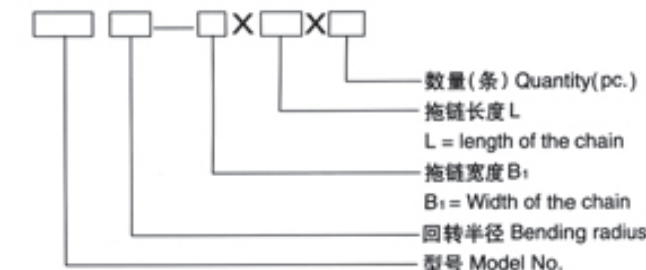
HTTL80 Series Reinforced type Engineering Nylon Drag Chain

型号 Model No.	内腔(高×宽) Inside Diameter (height × width) (mm)	外径(高×宽) Outside Diameter (height × width) (mm)	回转半径(R) Bending radius (mm)	节距 Pitch (mm)	无支撑长度 Non-support length(m)	形式 Type	B ₁ (mm)
HTTL80	80 × 75	108 × 125	200, 250, 300, 350, 400	110	8	四片装 桥式 全封闭 4 piece Bridge type Totally enclosed	75
	80 × 100	108 × 150					100
	80 × 125	108 × 175					125
	80 × 150	108 × 200					150
	80 × 175	108 × 225					175
	80 × 200	108 × 250					200
	80 × 250	108 × 300					250
	80 × 300	108 × 350					300



L=拖链长度 Length of the chain
S=拖链行程 Half travel distance
b=曲线长度 Length of the curve
 $L = \frac{S}{2} + b$

标记意义 Legends:



适用于玻璃机械、搬运机械、涂装设备、制鞋机械、化工机械、纺织机械、焊接机械、自动焊系统、塑料机械等设备配套和维修。全封闭拖链适用于木工机械、灰尘多的车间。

They can be used as a component or service parts in glass machinery, handling and transport machinery, painting and decoration equipment, shoe-making machinery, chemical machinery, textile machinery, welding machines, automatic welding system, plastic machinery etc. The totally enclosed type drag chains are the best choice for woodworking machineries and for the those locations where it is dustable.

消音型工程塑料拖链

Noise elimination plastic towline for project



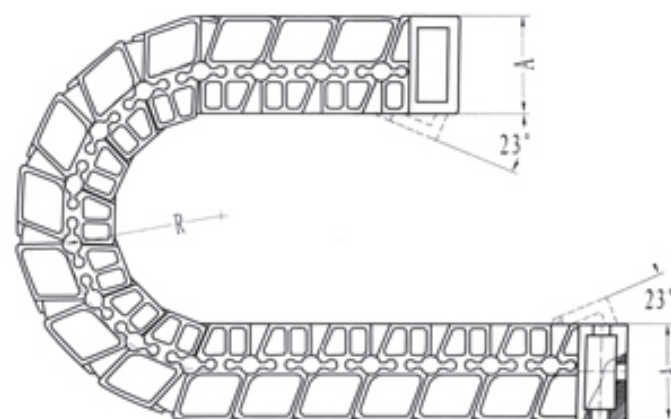
型号 Type	内腔(高×宽) Inside Diameter (height × length)	外径(高×宽) Outside Diameter (height × length)	弯曲半径(R) Bending radius	节距 pitch	不支撑长度 Non-support Length	型式 Type
25.25	25×25	34×39	55.75	23	2	上下盖均可 开拼装式 桥式·全封 闭式 Both the top cover and bottom cover could be installed and dismantled, bridge style·fully closed
25.38	25×38	34×52		23	2	
25.50	25×50	35×65		23	2.5	
25.60	25×60	35×75		23	2.5	
25.77	25×77	38×95		23	3	
25.103	25×103	38×121		23	3	

连接器示意图

A sketch for connecting device



规格	回转半径(R)	H	B	B1	A
25X25	55	25	9.5	9.5	34
	75				
25X38	55	38	9.5	9.5	34
	75				
25X50	55	50	9.5	9.5	35
	75				
25X60	55	60	9.5	9.5	35
	75				
25X77	55	77	9.5	11	38
	75				
25X103	55	103	9.5	11	38
	75				



消音型工程塑料拖链

Noise elimination plastic towline for project



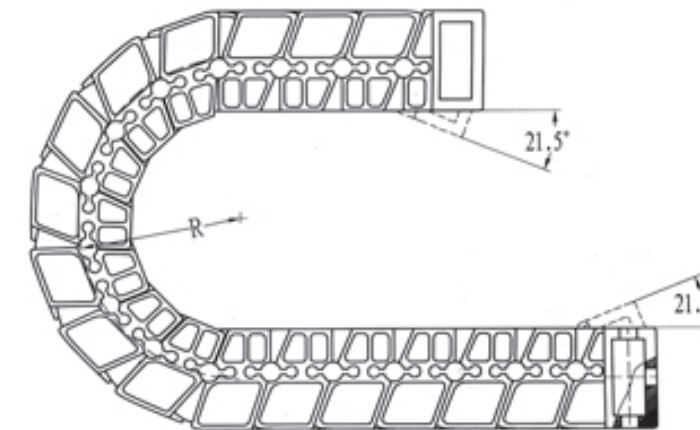
型号 Type	内腔(高×宽) Inside Diameter (height × length)	外径(高×宽) Outside Diameter (height × length)	弯曲半径(R) Bending radius	节距 pitch	不支撑长度 Non-support Length	型式 Type
30.30	30×30	39×56	55.75	25	2	上下盖均可 开。桥式· 全封闭 Both the top cover and bottom cover could be uncovered, bridge style·fully closed
30.38	30×38	39×69		25	2	
30.50	30×50	39×82		25	2.5	
30.70	30×70	39×92		25	2.5	

连接器示意图

A sketch for connecting device



规格 Nominal Size	L	A	B	回转半径(R) Circling semi diameter (R)
30X30	30	9.5	49	70
30X38	38		57	
30X50	50		69	
30X70	70		79	



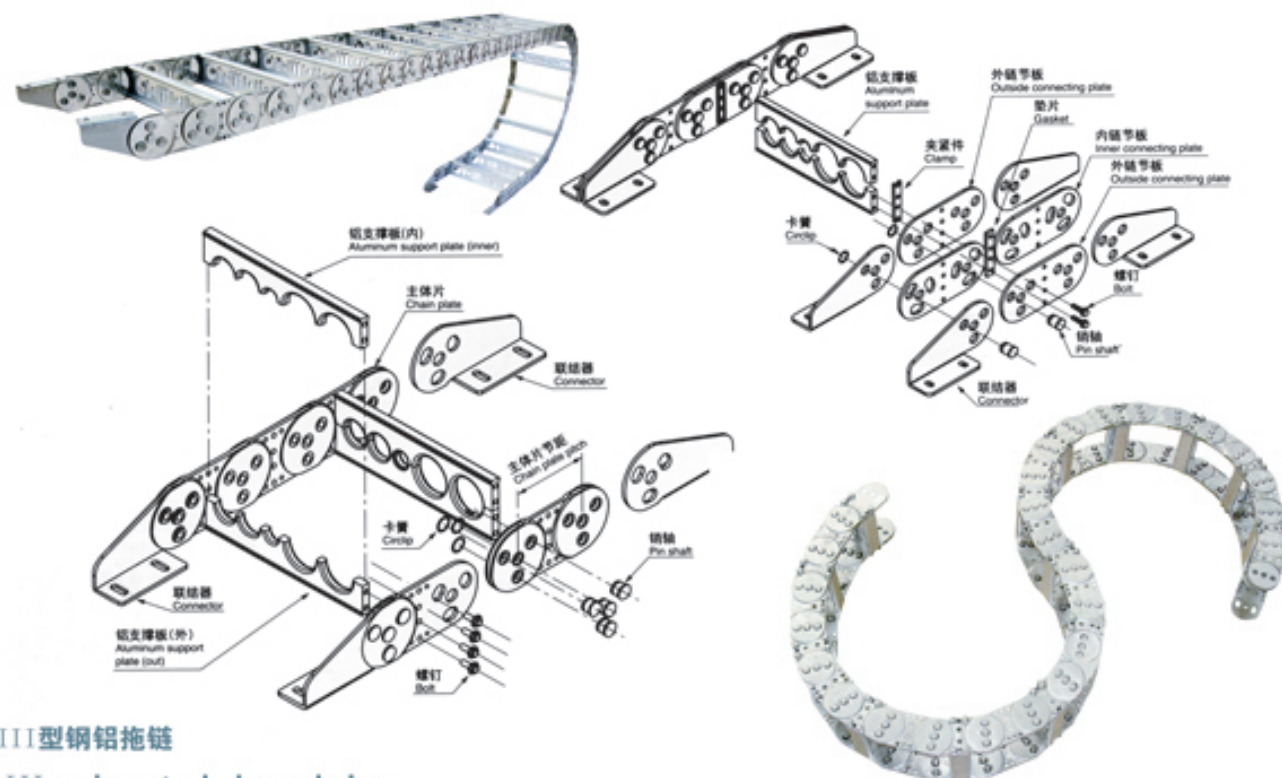


TL型钢制拖链

Steel drag link of model tl

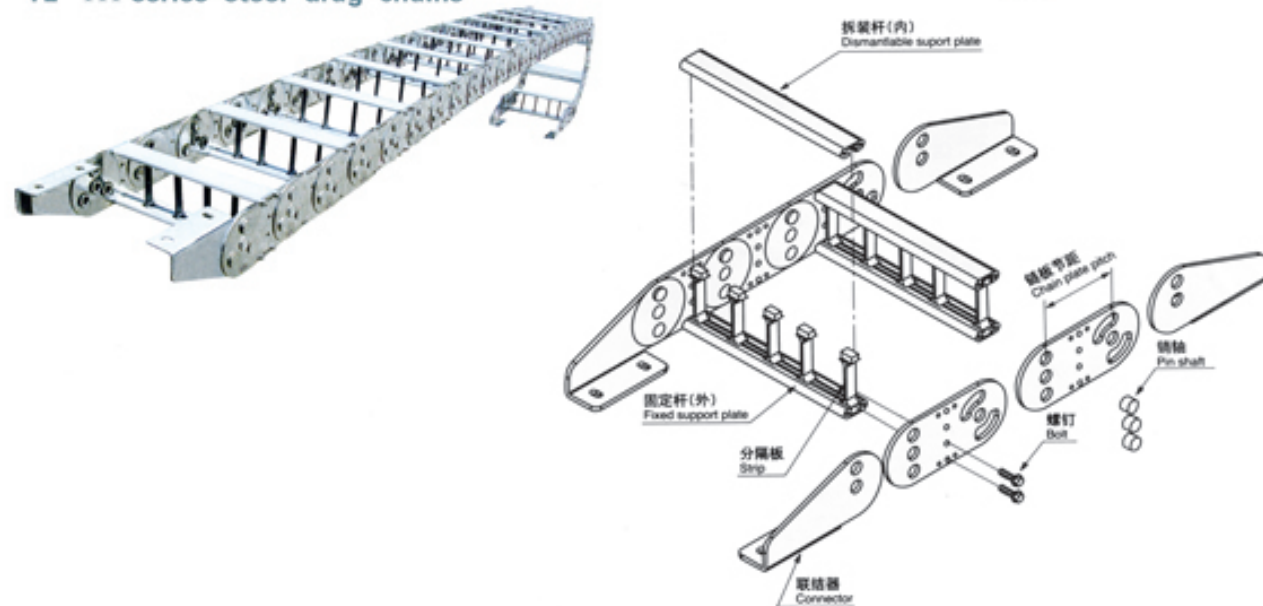
TL II型钢制拖链系列

TL II series steel drag chains



TL III型钢制拖链

TL III series steel drag chains



TL型钢制拖链

Steel drag link of model tl

TL-钢制拖链

TL系列拖链的主体是由链板（优质钢板镀铬）支撑板（挤拉铝合金）轴销（合金钢）等部件组成，使电缆或橡胶管与拖链之间不产生相对运动，不产生扭曲变形，链板经镀铬处理外形效果新颖，结构合理，灵巧强度高，钢性好不变形，安装方便，使用可靠，易拆装，尤其是本产品采用了高强度耐磨材料，合金钢为轴销，提高了产品的耐磨强度，弯曲更灵活，阻力更小，降低了噪音，从而可保证长时间使用不变形，不下垂。

由于本产品外观精美，可在较大程度上增强机床设备的整体艺术美观效果，增强我国机床、机械设备在国际市场的竞争能力。

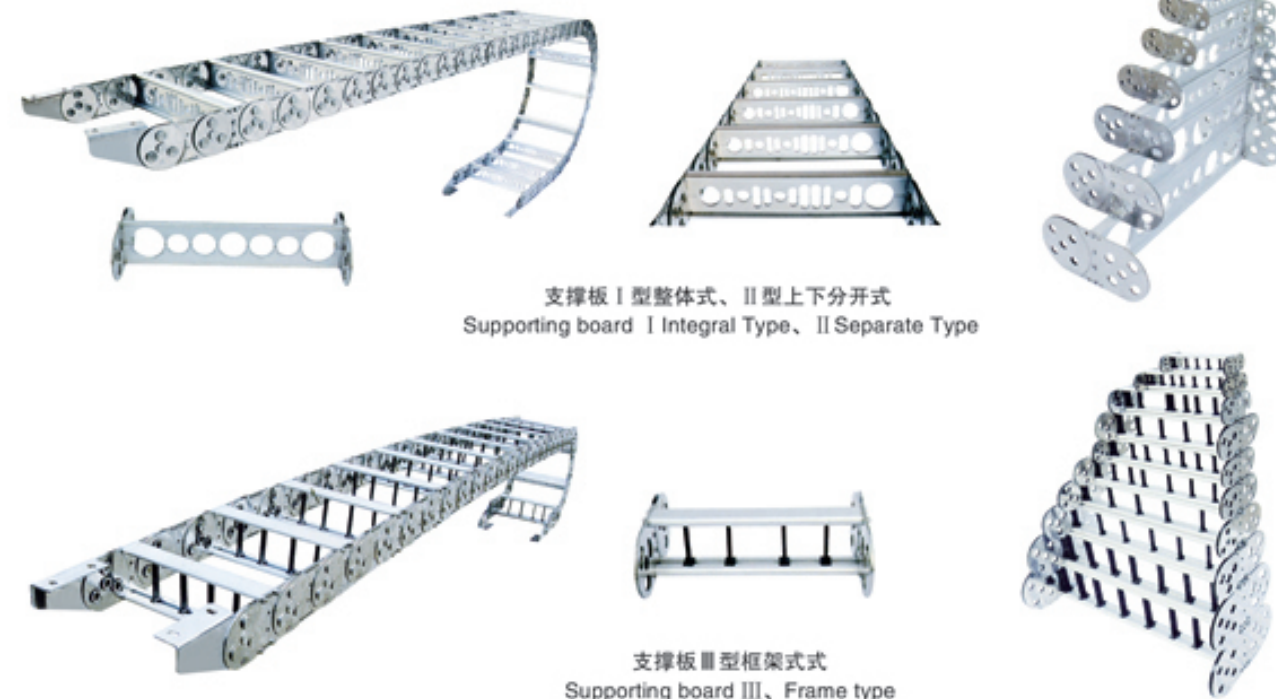
1. 拖链可适应最大移动速度40米/分。
2. 拖链在最大移动速度时，噪声声压级不大于68分贝。
3. 拖链安全使用寿命不小于100万次（往复）。

TL series steel drag chains

TL series drag chains are mainly consisting of chain plate (top quality stainless steel with chromium plated), supporting board (extruded aluminium alloy) and pin shaft (alloy), etc. There is no relative motions between the cables / rubber hoses and the drag chains giving no deforming or twists. The chromium plated chain board has very nice-looking appearance and has very rational construction and flexible and high strength. It is reliable and easy to operate, install, dismantal or assemble. It is worthwhile mentioning that the anti-wearing performance has been improved greatly due to wear resistant material and alloy pin shaft are used. The product is flexible to bending and has low resistance giving low noises. It can be used for a very long period of time without any deformation or hanging down.

The product is nice-looking, which makes the machine tool unit nicer looking as a whole and makes the machine tools and machineries more competitive in the international market.

1. The drag chain can adapt to max. moving speed of 40m/sec.
2. When at the max moving speed, the sound pressure of noises shall not be greater than 68 db.
3. The service life of the drag chain shall not be less than 1 million times (reciprocating).



支撑板 I 型整体式、II 型上下分开式
Supporting board I Integral Type、II Separate Type

支撑板 III 型框架式
Supporting board III、Frame type



TL型钢制拖链

Steel drag link of model tl

TL型拖链主要参数

型号Type 参数Reference	TL45	TL65	TL75	TL95	TL115	TL125	TL155	TL180	TL225	TL250
节距 Pitch t	45	65	75	95	115	125	155	180	225	250
弯曲半径 R	50、75	75、90	100、115、125	115、145	145、200	200、250、300	200、250	250、300、350	400、450、600	400、450、500
Bending radius	90、115	115、125	145、185、200	200、250	225、250	350、470、500	300、350	450、490	750、800	600、750
可根据用户要求定做	145	145、185	250、300	300	300、350	575、700、750	450、500、600	600、650	850、1000	800、1000
拖链最小宽度 B mix	35	50	55	60	70	80	90	100	160	190
Minimum width of drag chain										
拖链高度 L	32	49	50	75	86	100	120	144	200	220
Height of drag chain										
拖链长度	由用户按需要自定									
支撑板最大孔径 D1	—	33	35	55	63	75	97	110	146	166
Max.hole diameter of support plate										
允许不用支撑轮长度	4	8	8	9	10	10	10	10	12	14
Non-support range										

1. 拖链按照意大利技术生产
2. 当需要非标准的弯曲半径或结构与标准有异的拖链时，可与本公司另行协议制造。
3. 当拖链超过允许的最大宽度Bmax时，可采用由三条链带平行组成的复合拖链来完成，见下面图示。

拖链的选用

1. 支撑板内腔孔径D1=d+0.1d(取整数).其中d=电线、电缆、液、气软管的外径。
2. 根据支撑板内腔最大孔径Dmax来确定链板高度hg和拖链型号TLXX。
3. 根据拖链功能要求来确定支撑板式的拖链的弯曲半径：
 - (1)当拖链需承载较大管、缆负荷时，应选用高强度支撑板I型（整块式）
 - (2)当管缆的管接头尺寸大于支撑板内腔孔径或须经常拆装、维修等时，可选用支撑II型。属分拆式类型支撑板。
 - (3)安装管缆的规格品种较多时，可选用支撑板III型（框架式）。
4. 根据安装管缆的数量来决定支撑板宽度B1,从而可得拖链宽度B。
5. 拖链使用场合或受环境影响时，需要采用钢带防护支撑板时，请与本公司另行提出。

带三条链板的拖链

因为支撑板最大长度为600mm-650mm，在较宽拖链上可以装置一个或多个拖链链板。另外的原因是，可提高料窄的拖链的稳定性，此外也可通过第三条链板将套管与电缆隔开。

液压管的弹性状况

要注意，液压管在压力下会伸长或缩短，因此，应考虑到软管的弹性系数，特别是在高压及拖链长度较长的情况下，应引起注意。

1. Drag chains are produced by using Italian technology.
2. When non-standard bend radius or non-standard drag chains are required, we can make them according to the user's requirements.
3. When the max. width Bmax is exceeded, compound type drag chains that consist of 3 chain crawlers can be used. See figure below.

Selection of Drag Chains

1. The hole diameter of the inner cavity of supporting board D1=d+0.1d (take round number) .where, d=outside diameter of cables, wires, liquid/gas hoses.
2. The height of the supporting board and the model number TLXX of drag chains depends on the the max.hole diameter of the inner cavity of the supporting.
3. The bend radius depends on the functions of the drag chains.
 - (1).When there is a large load from larger calibre or cables on the drag chains, high strength model I supporting board(integral) should be used.
 - (2).When the size of the connectors are greater than that of the hole diameter of the inner cavity of supporting board or frequent assembly or dismantal operations are required, type III supporting board (frame type) can be used.
4. The width of supporting board B1 can be decided according to the quantity of the cables installed so that the width of the drag chain B can be arrived.
5. When limited by locations or environment and if bracing board with steel straps are needed ,please contact our company for solutions.

Drag chains with 3 chain board

One or more drag chain boards can be installed on a wider drag chain, because the max.length of the supporting board is 600mm-650mm. This arrangement can also improved the stability of the narrower chains. In this way ,the conduit and the cables can be separated from one another by a third chain board.

Note: parameters D, 12, e be used for GLE type and f, j, k for TL type.

Elastic status for hydraulic pipes

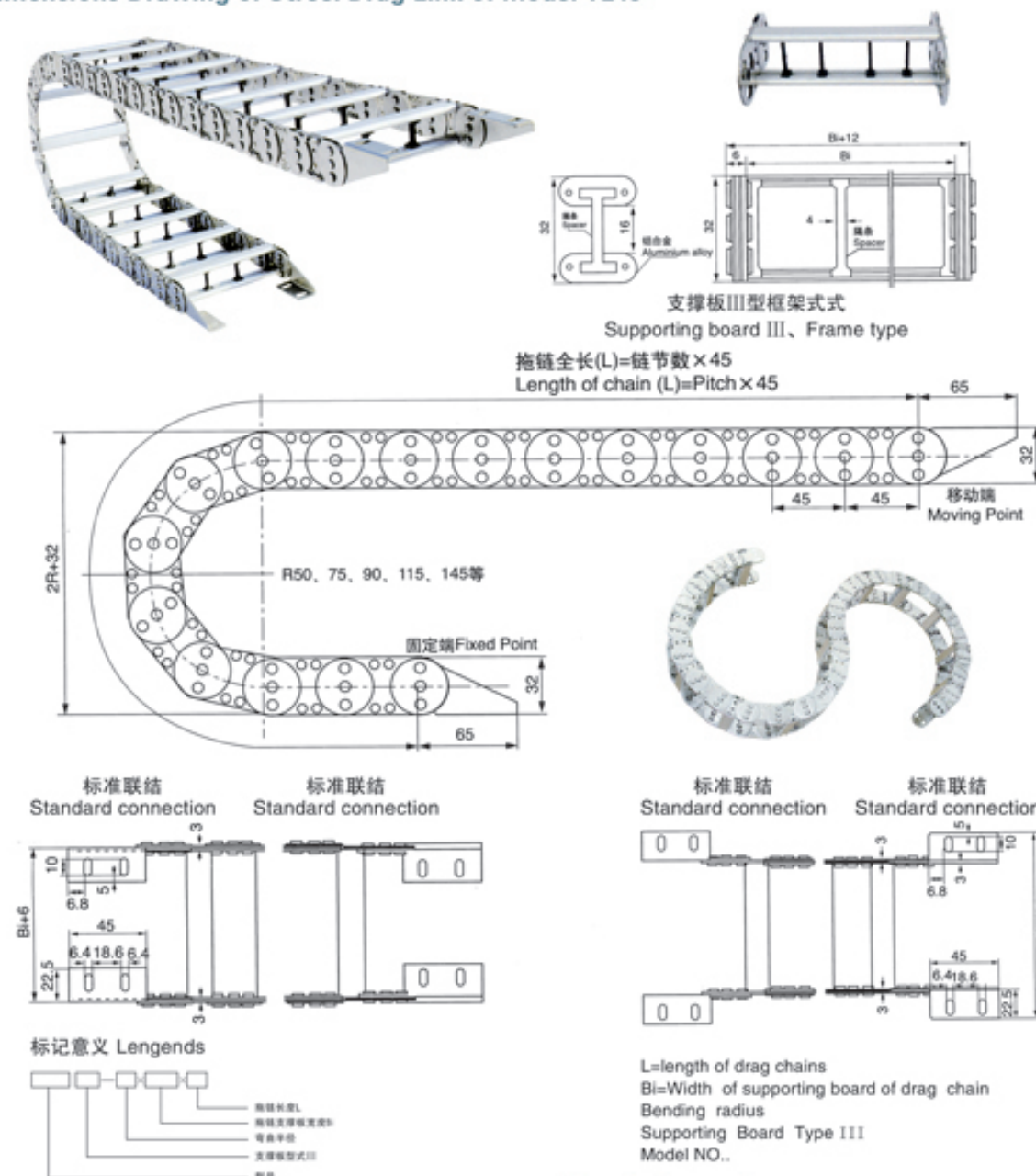
Note that the pressure of a hydraulic pipe may extend or contract downward, so the elasticity should be taken into consideration, especially under high pressure or with long length.

TL型钢制拖链

Steel drag link of model tl

TL45 型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag Link of Model TL45



订货举例

拖链型号 TL45,支撑板III型, 弯曲半径R=90, 拖链长度L=5500
拖链TL45 III-R90 × 5500
III型-上下是铝板内有隔离片（根据用户要求放隔条）

Example for an order

Drag chain model number TL45, supporting board III type, bend radius R=90, length L=5500
Drag chain TL45 III-R90 × 5500
III-type The upper one and the lower one are made of aluminium with spacer inside

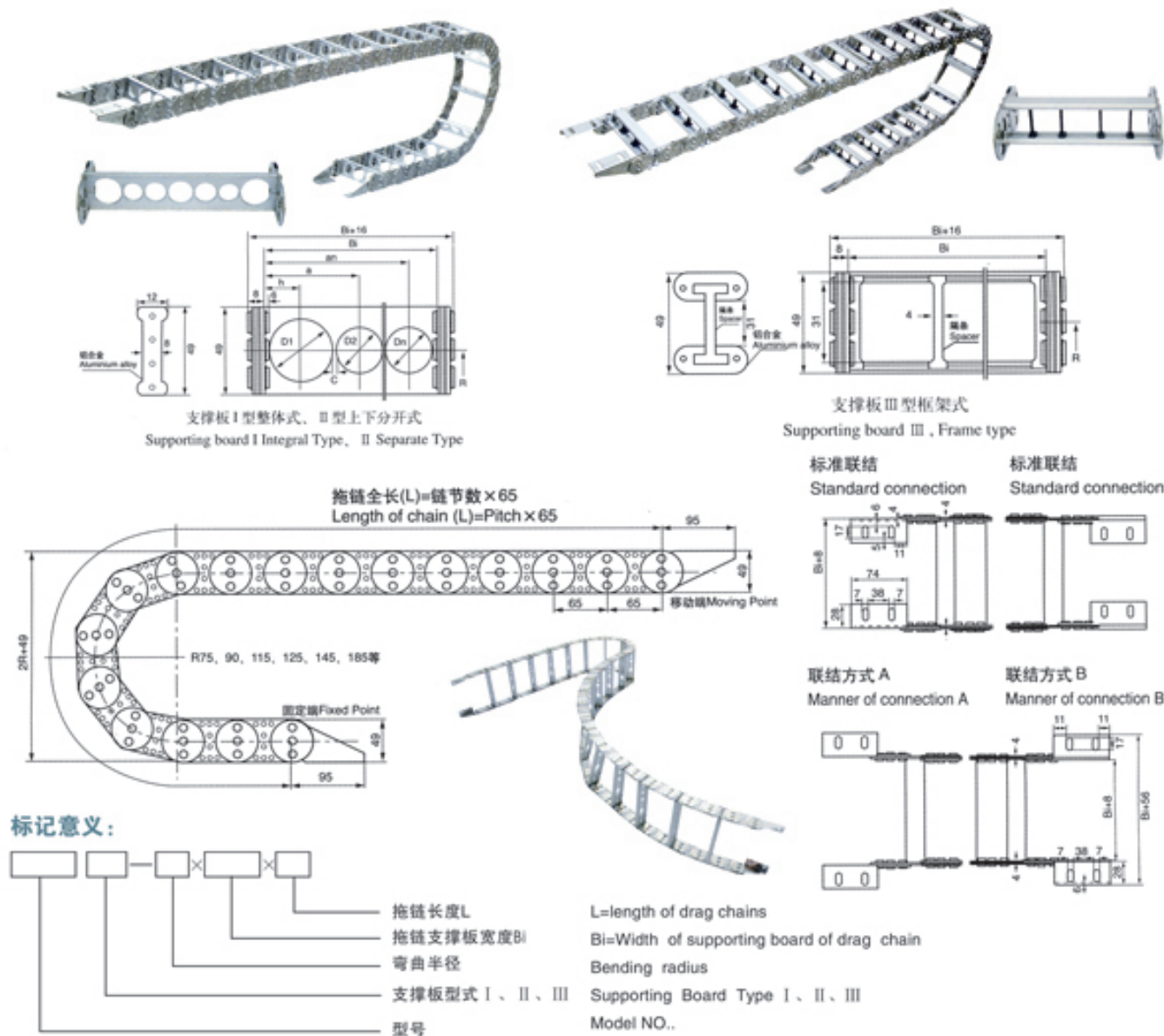


TL型钢制拖链

Steel drag link of model tl

TL65型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag link of Model TL65



订货举例

拖链型号TL65, 支撑板III型, 弯曲半径R=115.

支撑板宽度Bi=200, 拖链长度L=6500

拖链TL65 III-R115 × 200 × 6500

I型-支撑板整体型 (根据用户要求开孔)

II型-支撑板上下分开型 (根据用户要求开孔)

III型-上下是铝板内有隔离片 (根据用户要求放隔条)

Example for an order

Drag chain model number TL65, supporting board III type, bend radius

R=115, supporting board width Bi=200 length L=6500

Drag chain TL65 III-R115 × 200 × 6500

I-type Integral type of support board

II-type Separate type of support board

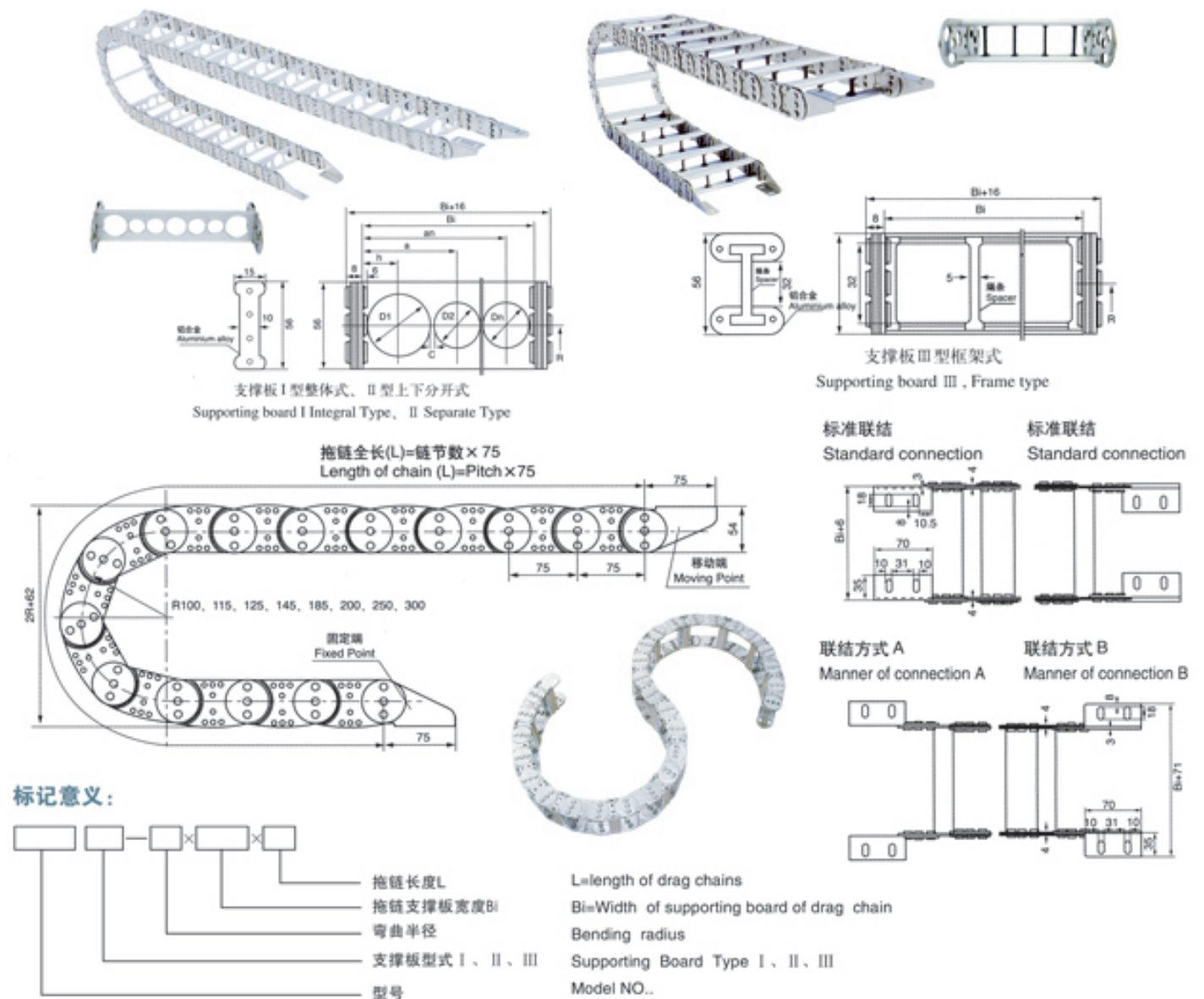
III-type The upper one and the lower one are made of aluminium with spacer inside

TL型钢制拖链

Steel drag link of model tl

TL75型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag Link of Model TL75



订货举例

拖链型号TL75, 支撑板III型, 弯曲半径R=125.

支撑板宽度Bi=200, 拖链长度L=6500

拖链TL75 III-R125 × 200 × 6500

I型-支撑板整体型 (根据用户要求开孔)

II型-支撑板上下分开型 (根据用户要求开孔)

III型-上下是铝板内有隔离片 (根据用户要求放隔条)

Example for an order

Drag chain model number TL75, supporting board III type, bend radius

R=125, supporting board width Bi=200 length L=6500

Drag chain TL75 III-R125 × 200 × 6500

I-type Integral type of support board

II-type Separate type of support board

III-type The upper one and the lower one are made of aluminium with spacer inside

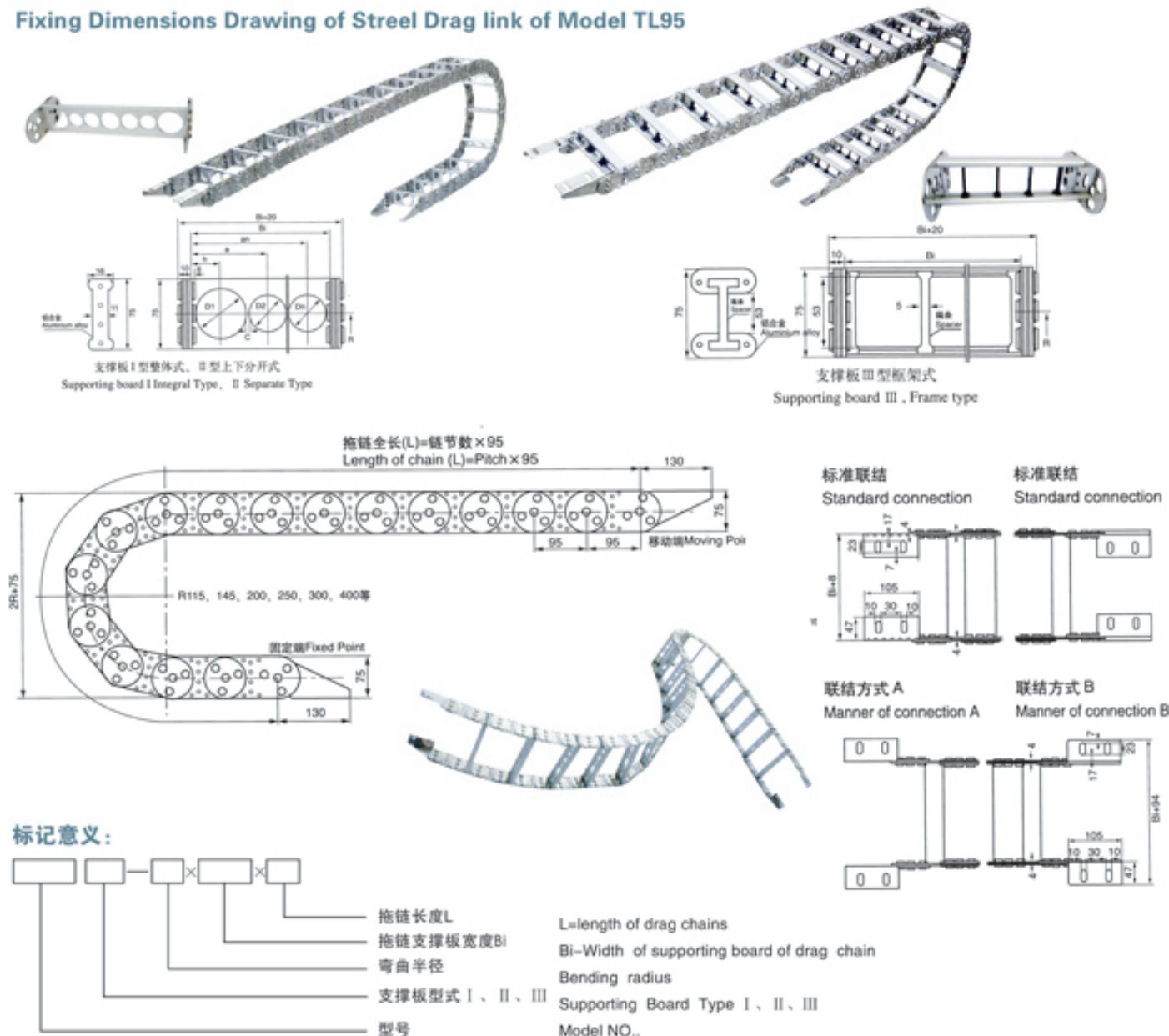


TL型钢制拖链

Steel drag link of model tl

TL95型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag link of Model TL95



订货举例

拖链型号TL95, 支撑板III型, 弯曲半径R=250,
支撑板宽度Bi=3200, 拖链长度L=7500
拖链TL85III-R250×300×7500
I型-支撑板整体式(根据用户要求开孔)
II型-支撑板上下分开式(根据用户要求开孔)
III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

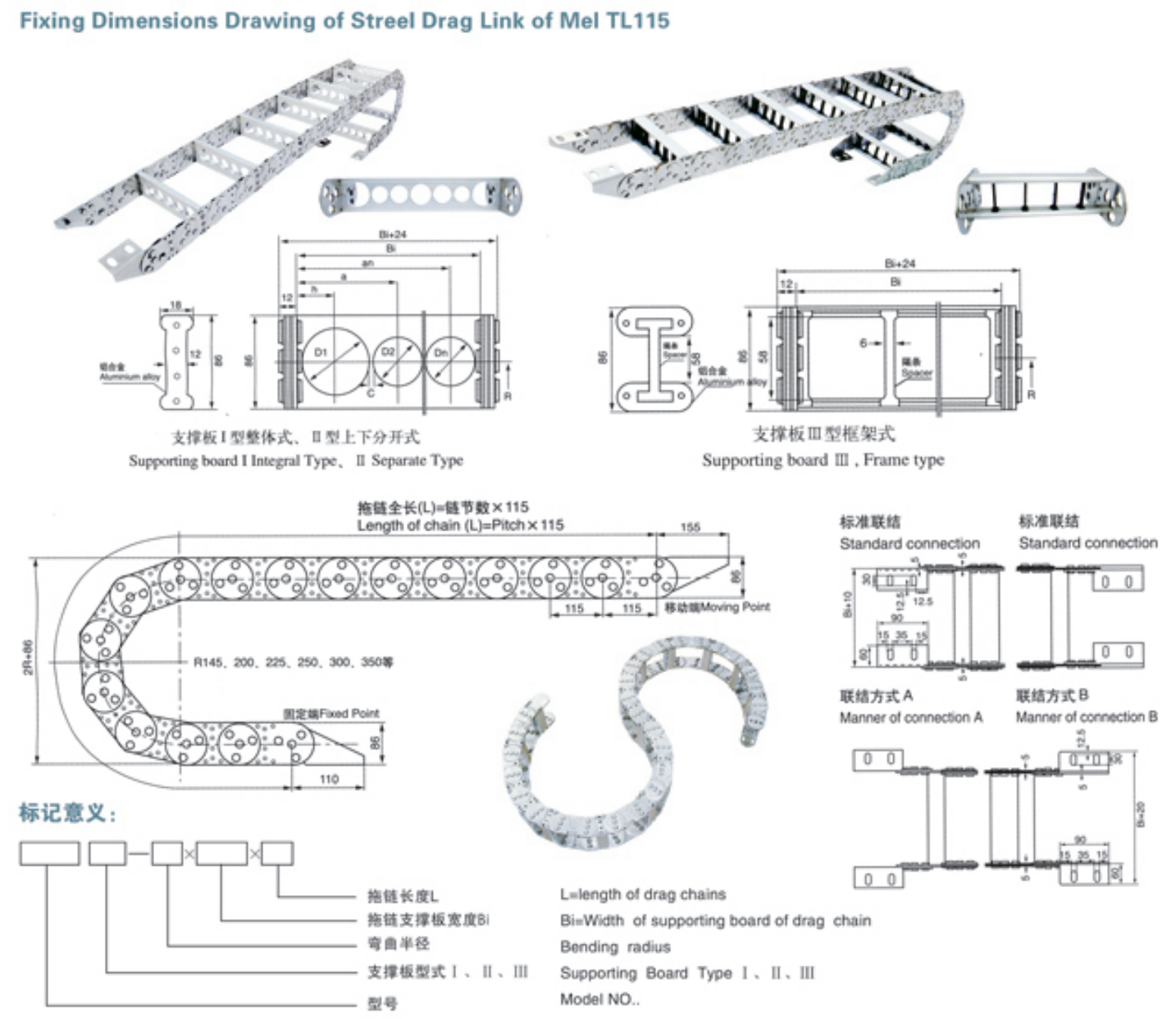
Drag chain model number TL95, supporting board III type, bend radius
R=250, supporting board width Bi=300 length L=7500
Drag chain TL65 III-R250×300×7500
I-type Integral type of support board
II-type Separate type of support board
III-type The upper one and the lower one are made of aluminium with spacer inside

TL型钢制拖链

Steel drag link of model tl

TL115型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag Link of Mel TL115



订货举例

拖链型号TL115, 支撑板III型, 弯曲半径R=250,
支撑板宽度Bi=300, 拖链长度L=7500
拖链TL115III-R250×300×7500
I型-支撑板整体式(根据用户要求开孔)
II型-支撑板上下分开式(根据用户要求开孔)
III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

Drag chain model number TL115, supporting board III type, bend radius
R=250, supporting board width Bi=300 length L=7500
Drag chain TL115 III-R250×300×7500
I-type Integral type of support board
II-type Separate type of support board
III-type The upper one and the lower one are made of aluminium with spacer inside

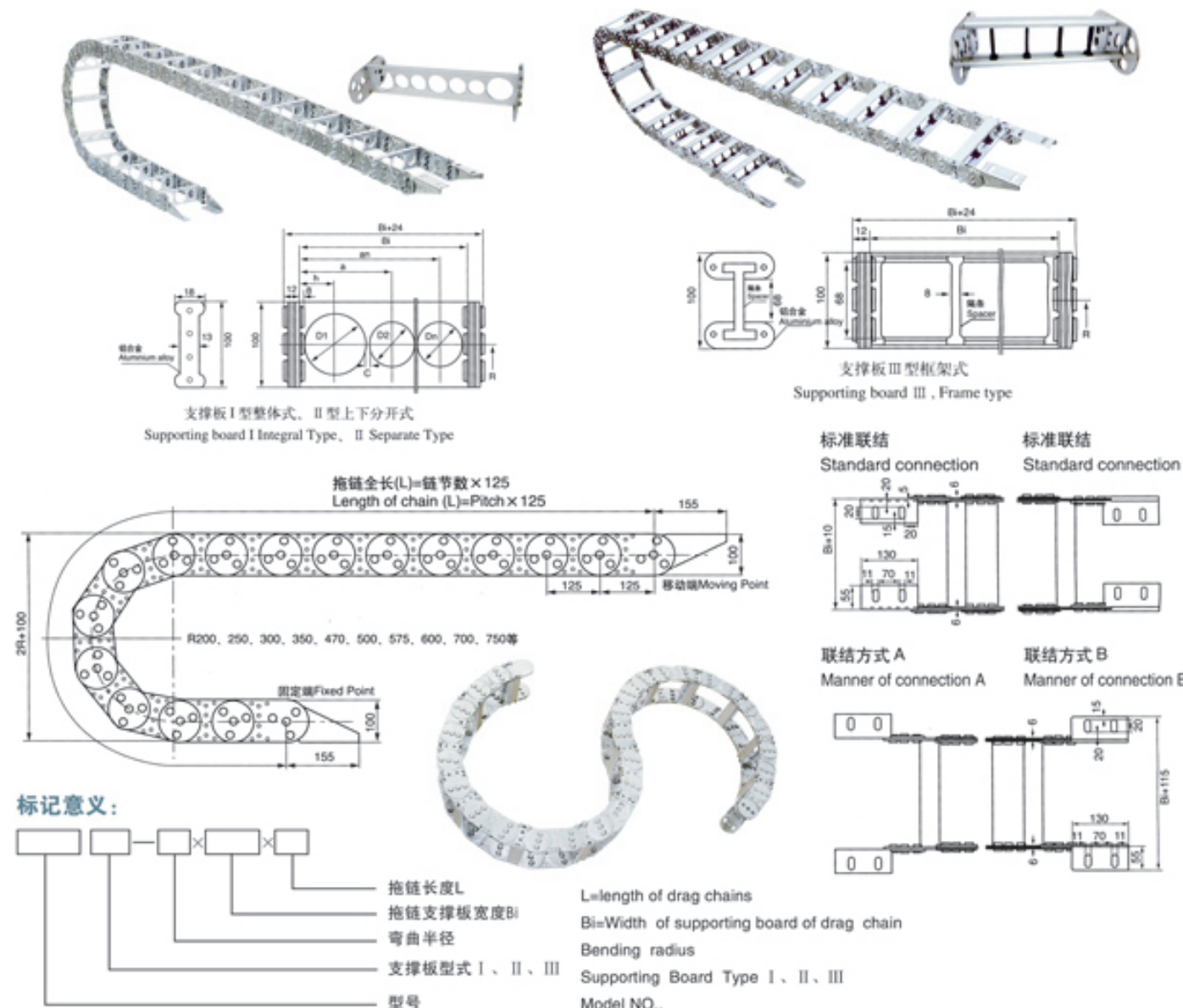


TL型钢制拖链

Steel drag link of model tl

TL125型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag link of Model TL125



订货举例

拖链型号TL125, 支撑板III型, 弯曲半径R=250.
支撑板宽度Bi=300, 拖链长度L=7800
拖链TL125III-R250×300×7800
I型-支撑板整体型(根据用户要求开孔)
II型-支撑板上下分开型(根据用户要求开孔)
III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

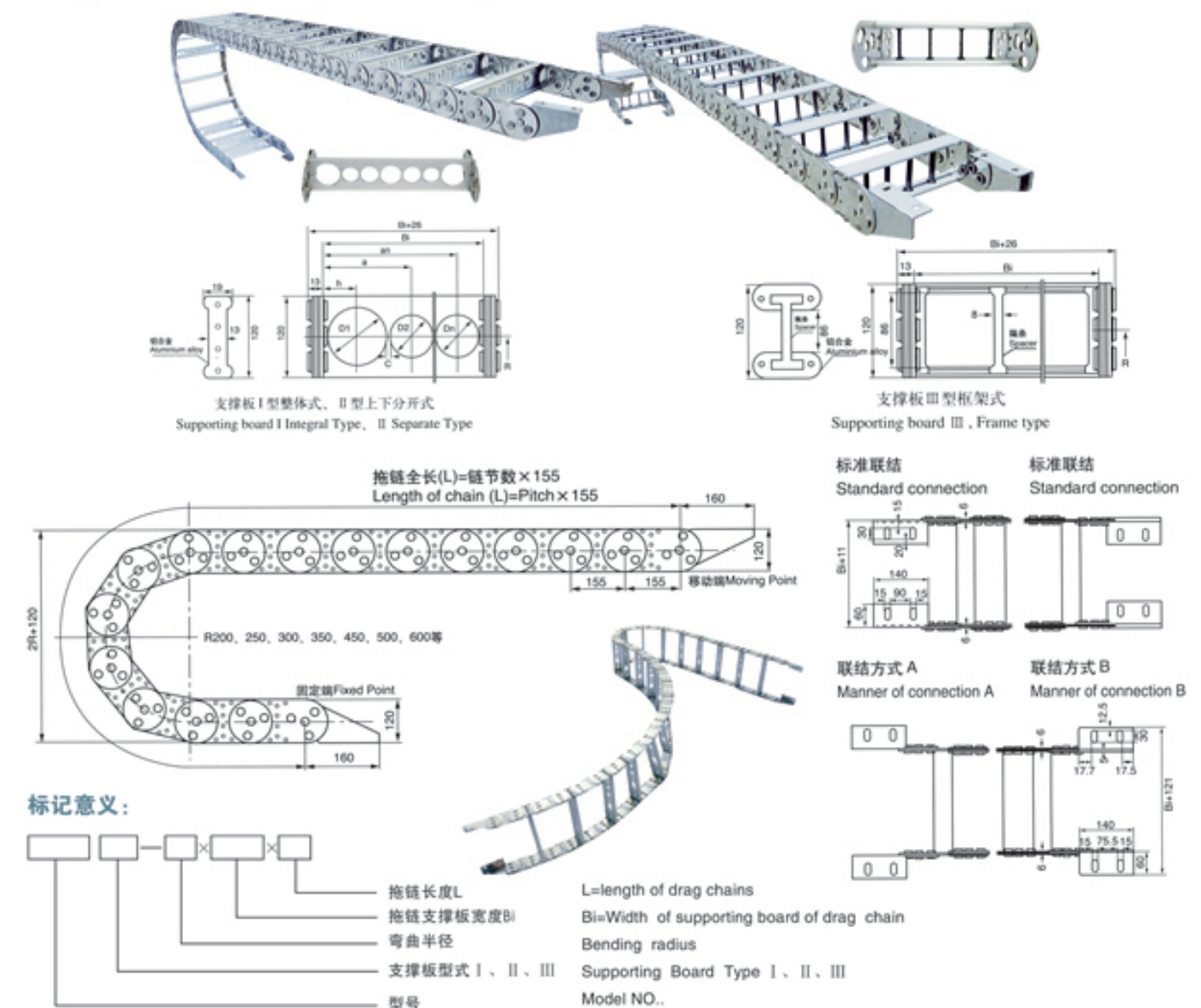
Drag chain model number TL125, supporting board III type, bend radius R=250, supporting board width Bi=300 length L=7800
Drag chain TL125 III-R250×300×7800
I-type Integral type of support board
II-type Separate type of support board
III-type The upper one and the lower one are made of aluminium with spacer inside

TL型钢制拖链

Steel drag link of model tl

TL155型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag Link of Model TL155



订货举例

拖链型号TL155, 支撑板III型, 弯曲半径R=250.
支撑板宽度Bi=300, 拖链长度L=8800
拖链TL155III-R250×300×8800
I型-支撑板整体型(根据用户要求开孔)
II型-支撑板上下分开型(根据用户要求开孔)
III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

Drag chain model number TL155, supporting board III type, bend radius R=250, supporting board width Bi=300 length L=8800
Drag chain TL155 III-R250×300×8800
I-type Integral type of support board
II-type Separate type of support board
III-type The upper one and the lower one are made of aluminium with spacer inside

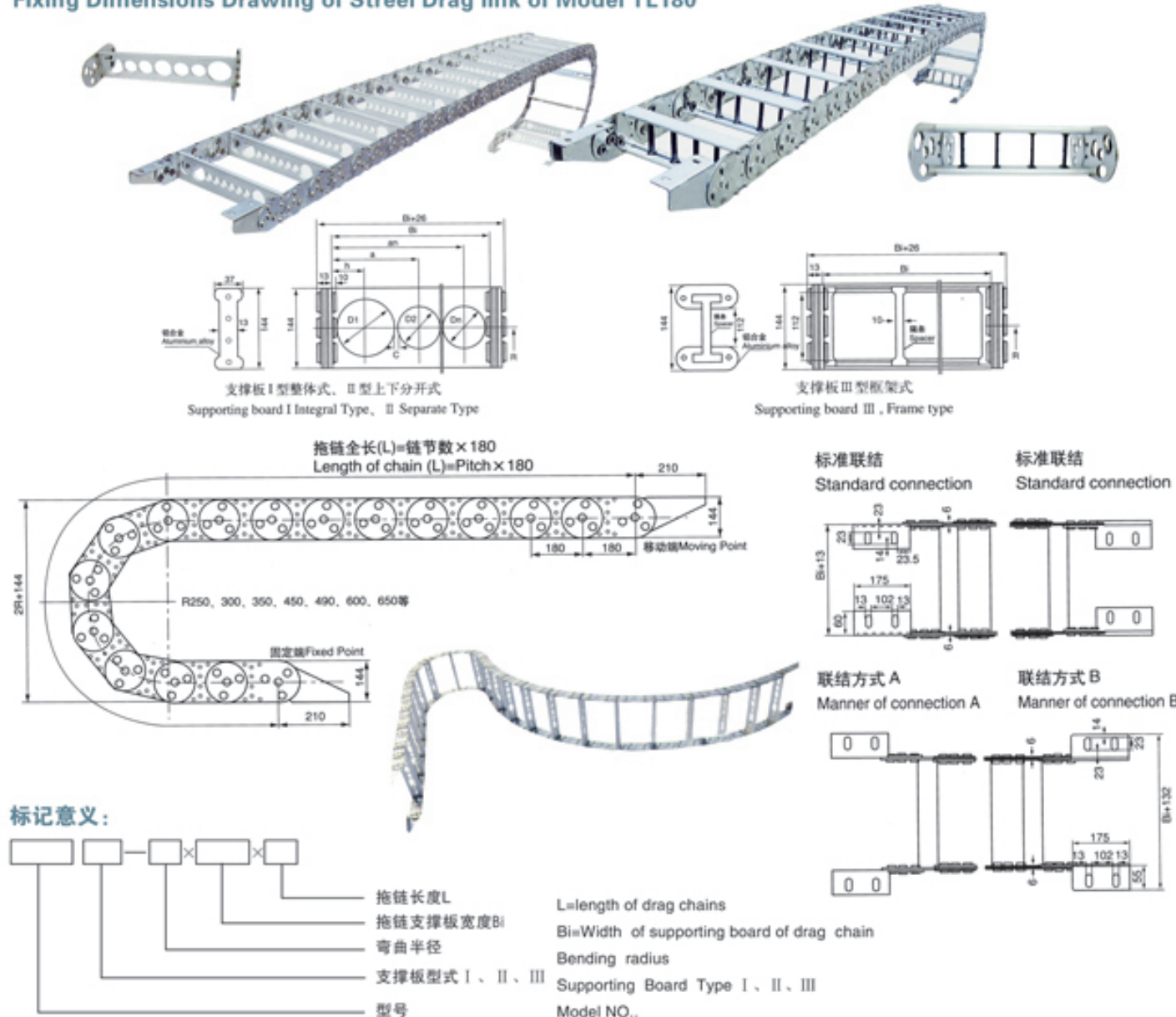


TL型钢制拖链

Steel drag link of model tl

TL180型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag link of Model TL180



订货举例

拖链型号TL180, 支撑板III型, 弯曲半径R=250.

支撑板宽度Bi=300, 拖链长度L=9800

拖链TL180III-R250×300×9800

I型-支撑板整体型(根据用户要求开孔)

II型-支撑板上下分开型(根据用户要求开孔)

III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

Drag chain model number TL180, supporting board III type, bend radius

R=250, supporting board width Bi=300 length L=9800

Drag chain TL180 III-R250×300×9800

I-type Integral type of support board

II-type Separate type of support board

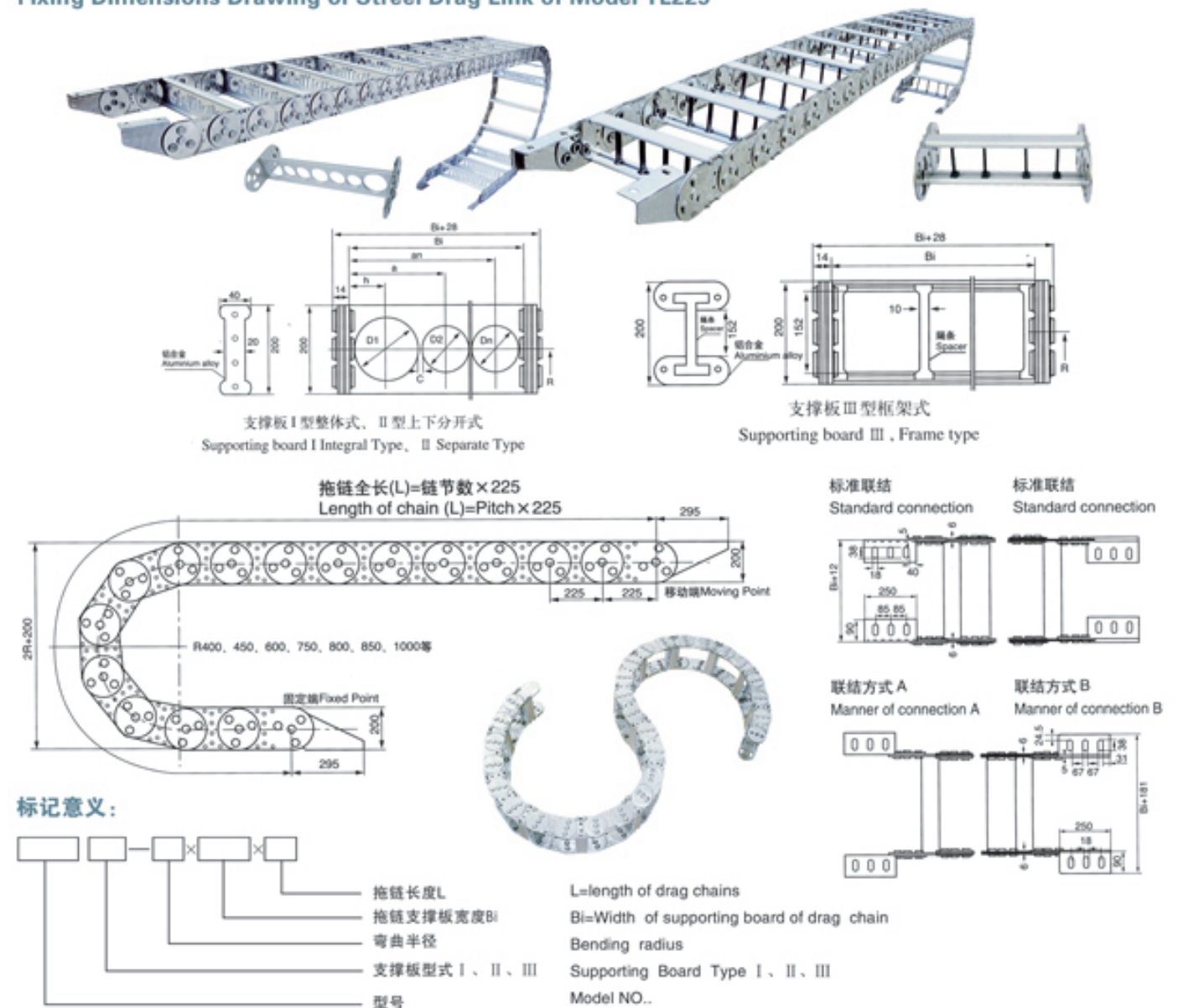
III-type The upper one and the lower one are made of aluminium with spacer inside

TL型钢制拖链

Steel drag link of model tl

TL225型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag Link of Model TL225



订货举例

拖链型号TL225, 支撑板III型, 弯曲半径R=600.

支撑板宽度Bi=400, 拖链长度L=12000

拖链TL225III-R600×400×12000

I型-支撑板整体型(根据用户要求开孔)

II型-支撑板上下分开型(根据用户要求开孔)

III型-上下是铝板内有隔离片(根据用户要求放隔条)

Example for an order

Drag chain model number TL225, supporting board III type, bend radius

R=600, supporting board width Bi=400 length L=12000

Drag chain TL225 III-R600×400×12000

I-type Integral type of support board

II-type Separate type of support board

III-type The upper one and the lower one are made of aluminium with spacer inside

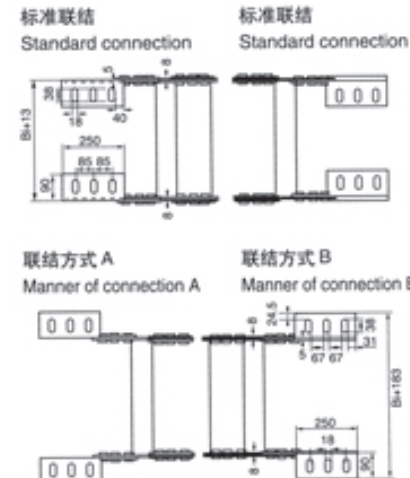
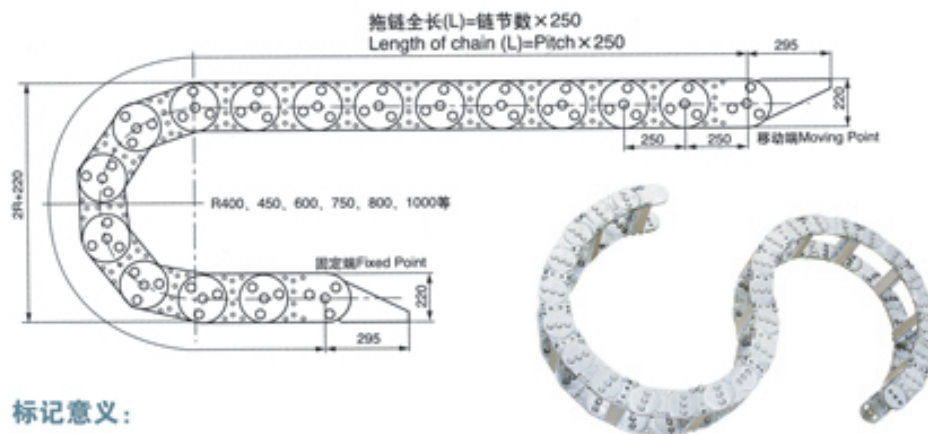
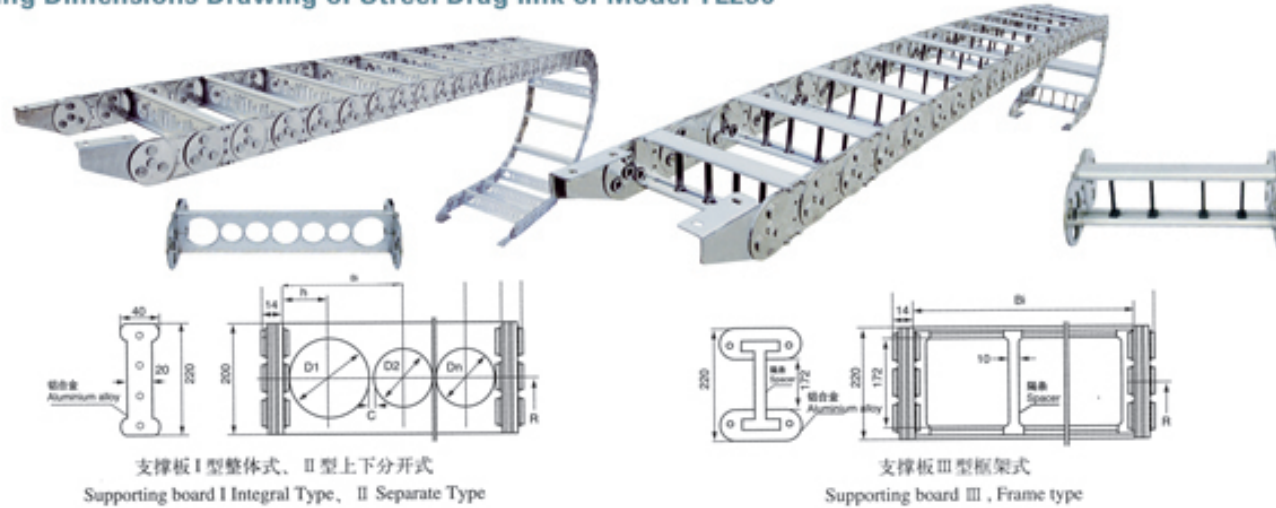


TL型钢制拖链

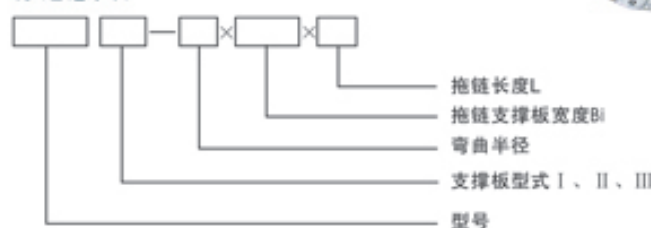
Steel drag link of model tl

TL250型钢制拖链安装尺寸图

Fixing Dimensions Drawing of Steel Drag link of Model TL250



标记意义:



订货举例

拖链型号TL250, 支撑板III型, 弯曲半径R=600.

支撑板宽度Bi=400,拖链长度L=12000

拖链TL250III-R600×400×12000

I型-支撑板整体型(根据用户要求开孔)

II型-支撑板上下分开型(根据用户要求开孔)

III型-上下是铝板内有隔离片(根据用户要求放隔条)

L=length of drag chains
Bi=Width of supporting board of drag chain
Bending radius
Supporting Board Type I、II、III
Model NO..

Example for an order

Drag chain model number TL250, supporting board III type ,bend radius

R=600,supporting board width Bi=400 length L=12000

Drag chain TL250 III-R600×400×12000

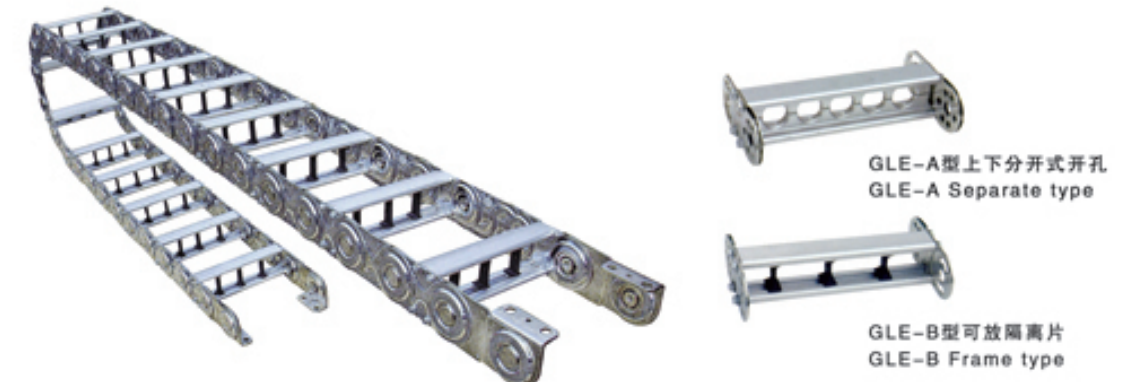
I-type Integral type of support board

II-type Separate type of support board

III-type The upper one and the lower one are made of aluminium with spacer inside

GLE型钢制拖链

Steel drag link of model gle



GLE 型钢制拖链可承载数量多,重量大的电缆及油管,自由悬挂(允许不用支承轮)长度大,支撑板可依顾客需要制作,适用于工作母机,移动机械等。其弯曲半径为50-600mm,链板高度为35-150mm,可任意选用。

GLE 型钢制拖链其使用行程最大为32米。适用于所有传动方式。可随意加长和缩短。此外,可通过改变销轴获得改变弯曲半径。

拖链的支撑板宽度为150mm至600mm,孔与孔之间的间隔量为5mm。

链板的高度,也就是支撑板的高度,是由电缆最大直径决定的,机床最大限度运转时,如拖链的宽度超过300mm,拖链的长度超过4m时出于稳定性原因,应考虑选择加大一号规格的拖链。

弯曲半径要根据电缆的最大直径选择并应达到电缆直径的10倍。弯曲半径可根据所给表格选择50-600mm,行程小的可相应选择较小的半径。

拖链的长=1/2行程+4个弯曲半径,这只适用于当固定联结是在行程的中点时。

拖链的固定可根据机床的位置情况选择。固定角钢可放在外周或内周在拖链内或外部,一般情况联结部分在拖链内,而向外周。

The GLE drag chains are suitable for installing a large quantity and heavy duty of cables which allow suspending installation (supporting is Not allowed) and is lengthy. The supporting plate can be made according to the user's requirements. It is suitable for machine tools and moving machines. Their bent radius ranges from 50-600mm and the chain's height is from 35 to 150mm. Users can make a free selection of them.

The GLE type drag chains has a max. travel range of 32 meters and are suitable for all kinds of transmissions. It can freely be made longer or shorter. In addition, the bend radius can be changed by changing the pin shaft.

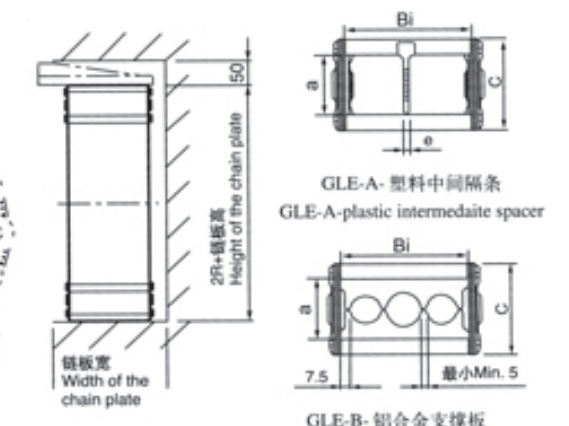
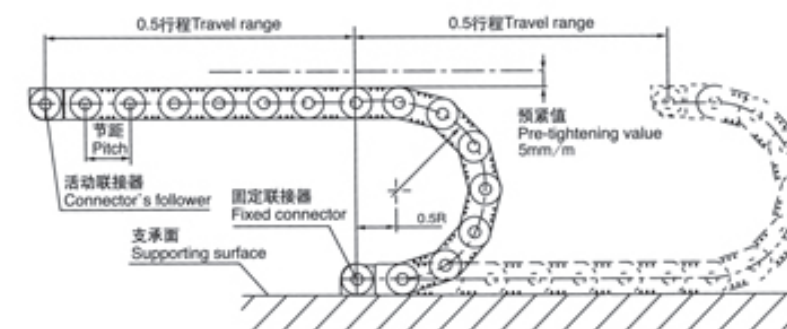
The width of the supporting board is from 150mm to 600mm. The distance between the holes is 5mm.

The height of the supporting board depends on the max. outside diameter of the cables. When the machine tool is working in the highest speed and if the max. width of the drag chain is longer than 300mm with the chain's length longer than 4m, one size larger than normal should be selected just out of consideration of safety.

The bend radius should be selected according to the max. diameter of a cable and should be 10 times of the diameter of the cable used. The bend radius can be selected as 50-600mm according to the given table. Small radius should be selected for those ones with small travel range.

Drag chain length = 1/2 travel range + 4 bend radius, this is only used for the fixed connection which is located at the middle point of the travel range.

The fixation of the drag chains can be done according to the location of the machine tools. The angle steel can be put in the outer or the inner, in other words, in the inner side of the chains or in the outer side. In common cases, it is in the inner side of the chains and face towards outside.





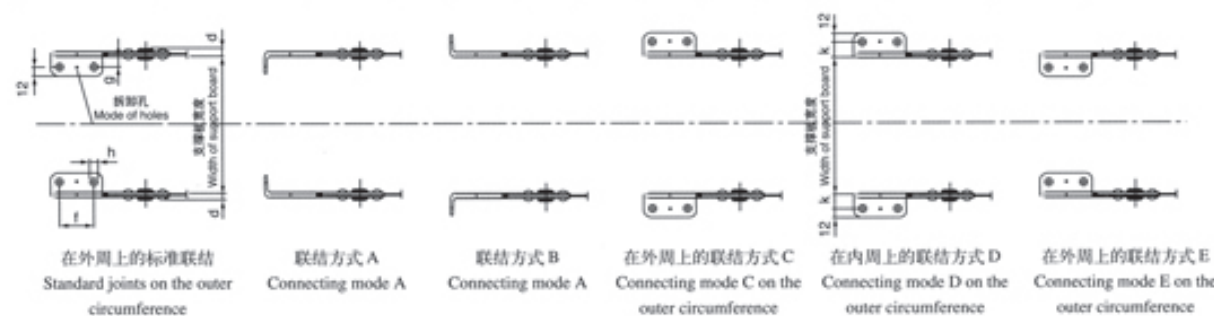
GLE型钢制拖链

Steel drag link of model gle

GLE型钢制拖链主要参数及支撑尺寸

Main parameters & demensions for GEL type steel drag chains

型号 Type	弯曲半径R(mm) Bending radius	节距 Pitch	a	c	d	e	f	g	h	k	允许不用支承轮时 When non-support wheel is allowed		重量 Weight 100mm
											长度m Length	负载kg/m Load	
GLE-A75 GLE-B75	100/150/200/ 250/300	75	31	50	8	4	30	12	9	15	3/4	30/30	4.80/5.50
GLE-A100 GLE-B100	150/200/250/ 300/400	100	49	75	10	4	50	17	11	21	4/8	40/40	9.10/10.00
GLE-A125 GLE-B125	200/25/300/ 400/500	125	68	100	14	4	70	22	13	28	6/12	50/50	18.10/19.30
GLE-A175 GLE-B175	250/300/400/ 500/600	175	118	150	14	8	115	26	13	32	5/10	10/30	25.00



GLE型的多种不同支撑板

GLE铝合金型拖链与一般的拖链不同,它可通过固定的铝型材满足不同要求的需要,支撑板宽可达1200mm,在最高速度和行程速度下,拖链的内部分隔无懈可击,并保证使电缆达到最佳保护。

我们每二节链板提供一条支撑板。如每一节均需支撑板,请在订货时,订10A/20A/30A/40A/50A,而不是10B/20B/30B/40B/50B,即GLE20A/200×2100/200“h”或GLE20B/200×2100/200“h”。

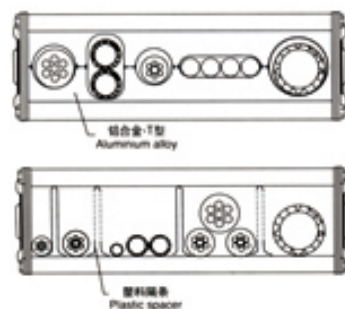
恒特铝合金护板的拖链,订货型号为10B/20B/30B。进一步的了解请参见下图“恒特护板”。即GLE30B/200×2100/200“h”。

GLE type supporting boards in various sepecifications

The GLE type aluminium alloy drag chains are different from the ordinary ones. They can made by using fixed aluminium shape materials to meet the needs of the users. The width of the supporting board can be 1200mm. When operating under high operating speed and high travel speed, the drag chains can be separated from one another so as to ensure the cables being protected in a very safe conditions.

One supporting boards is provided for every two chain joints. If one supporting board is needed for each chain joint, please give a clear indication of the model No. 10A/20A/30A/40A/50A rather than 10B/20B/30B/40B/50B, i.e. GLE20A/200×2100/200“h” or GLE20B/200×2100/200“h”.

The another number for “Silver Star type drag chains with aluminium alloy guard is 10B/20B/30B. For further information, please see below for details, i.e. GLE20B/200×2100/200“h”.



GLE-I铝合金型是解决较大钢链的唯一解决方法。支撑板可根据使用者的要求生产。牢固的结构,使支撑板宽度可达1200mm。
GLE-I aluminium alloy type is the only solution to the larger size chains. The supporting boards can be made according to the requirements of the users. Thanks to the strong construction, the width of the supporting board can be 1200mm.

GLE-II型带塑料隔条,可随意移动调节位置,进行多种分隔,如果电缆规格多,可选用此经济的装置。
GLE-II plastic spacing straps can moved and adjusted in position freely. If cables in many different specifications, you may select this economic device.

GLE 全封闭型钢制拖链

Steel drag link of gle totally enclosed

GLE 型的护板采用铝合金全封闭型——“恒特护板”

型号GLE的拖链是新开发的“恒特护板”,采用铝合金制造,供用户选用。订货号为10B/20B/30B,而不是10A/20A/30A。

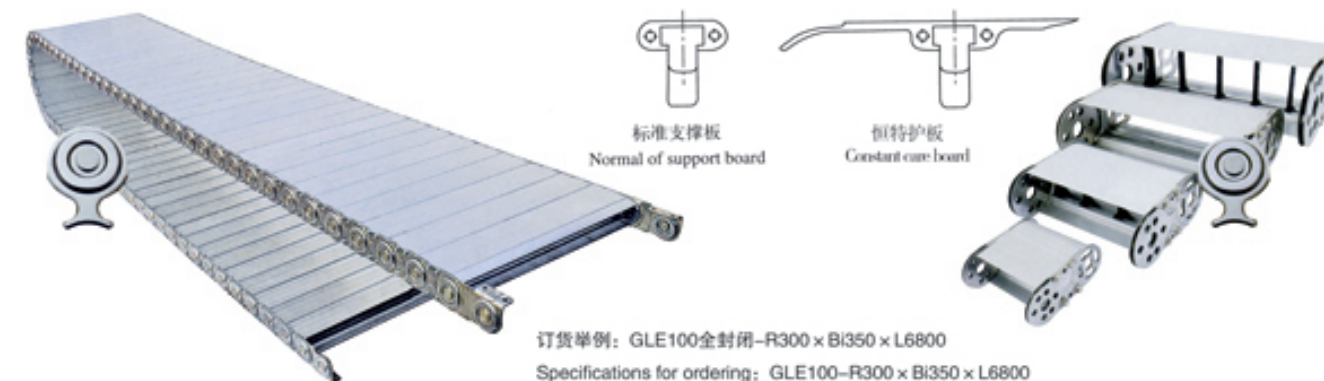
恒特护板的特点:

外形美观。
护板结构装置已经接受了15年以上的考验。
极稳定,坚固的电缆保护,可达1000mm宽。
在任意一个部位都能打开拖链。
根据用户需要可随时加装“恒特护板”。

GLE type aluminium alloy protecting board is of completely enclosed type. GLE type drag chains are newly developed “Constant care board”, which are made by using aluminium alloy. Various types of it are available for selection. The order number are 10B/20B/30B rather than 10A/20A/30A.

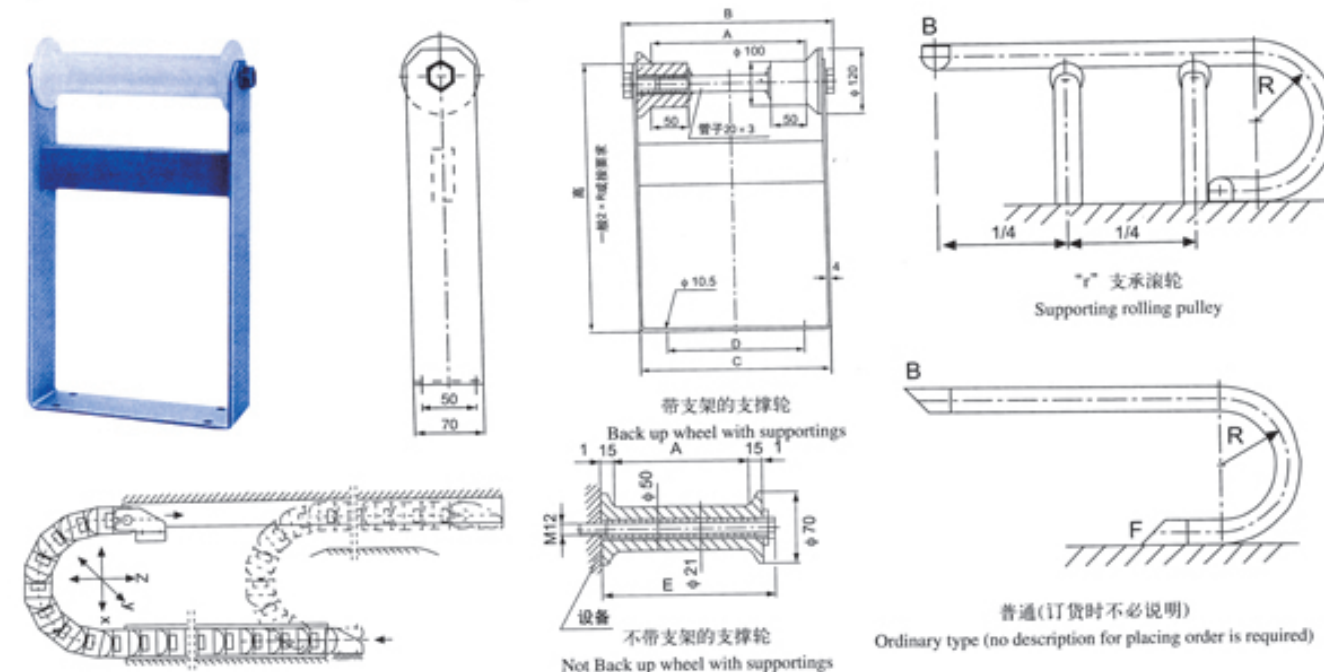
Features of the Silver Star Supporting Board:

Nice-looking appearance.
The shield sturcture device has passed more than 15 years experience successfully. It is very stable and very solid protection for cables. The width can be 1000mm. The drag chains can be opened up at any positions.
The “Constant care board” can be installed according to the user’s request.



支承轮制做图

Drawing for supporting wheel





GLE75型钢制拖链

Steel drag link of gle75

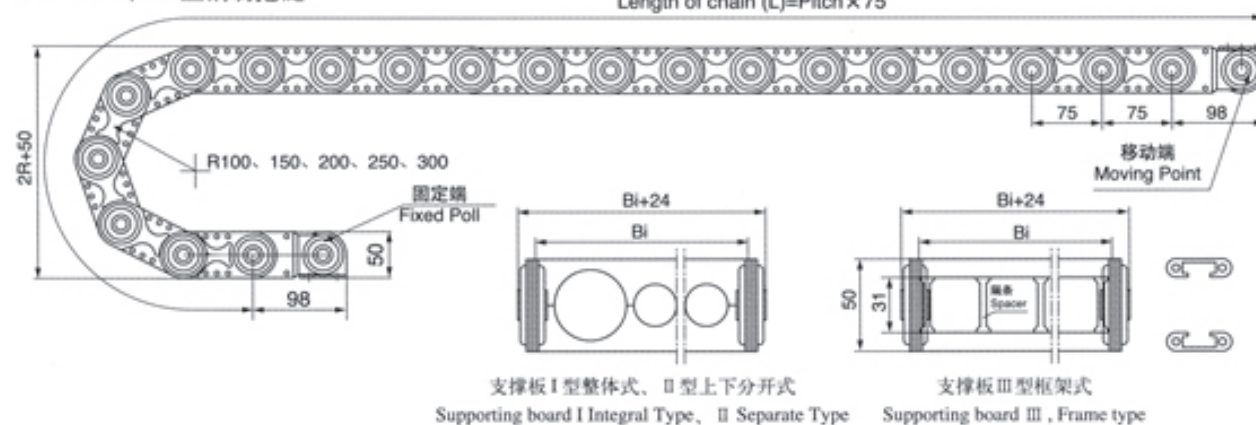


A型

B型

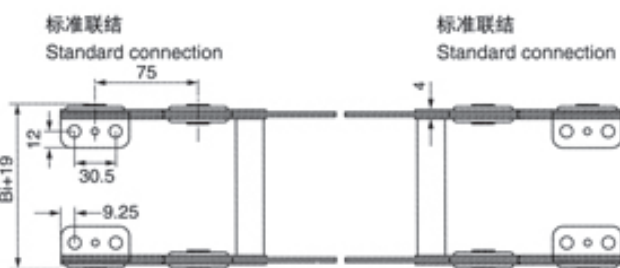
GLE75 II、III型钢制拖链

拖链全长(L)=链节数×75
Length of chain (L)=Pitch×75



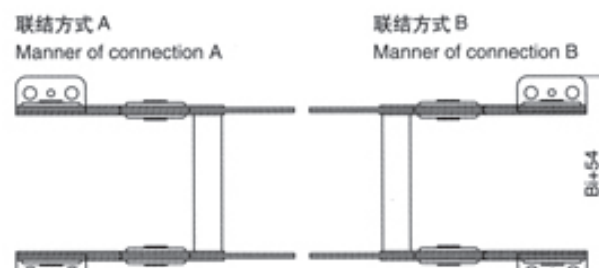
支撑板 I 型整体式、II 型上下分开式
Supporting board I Integral Type, II Separate Type

支撑板 III 型框架式
Supporting board III, Frame type



标准联结
Standard connection

标准联结
Standard connection

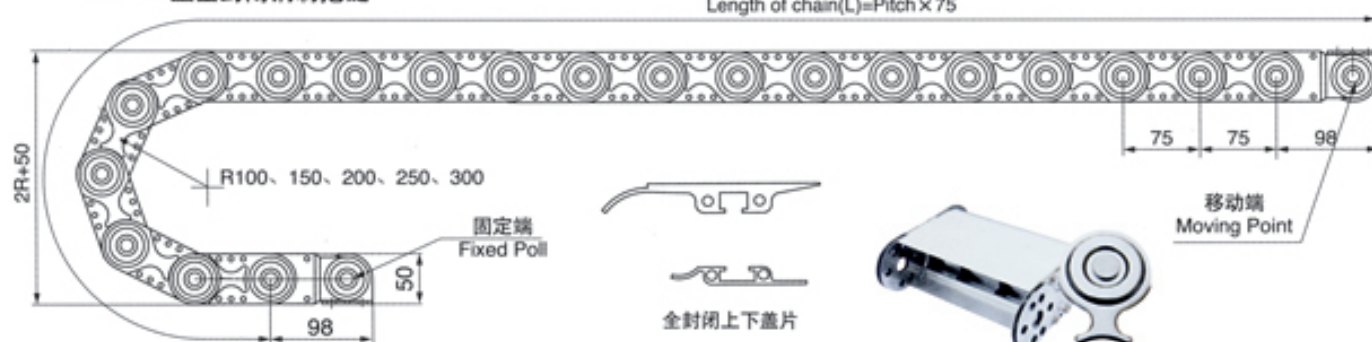


联结方式 A
Manner of connection A

联结方式 B
Manner of connection B

GLE75 型全封闭钢制拖链

拖链全长(L)=链节数×75
Length of chain (L)=Pitch×75



固定端
Fixed Poll

移动端
Moving Point

全封闭上下盖片

GLE100型钢制拖链

Steel drag link of gle100

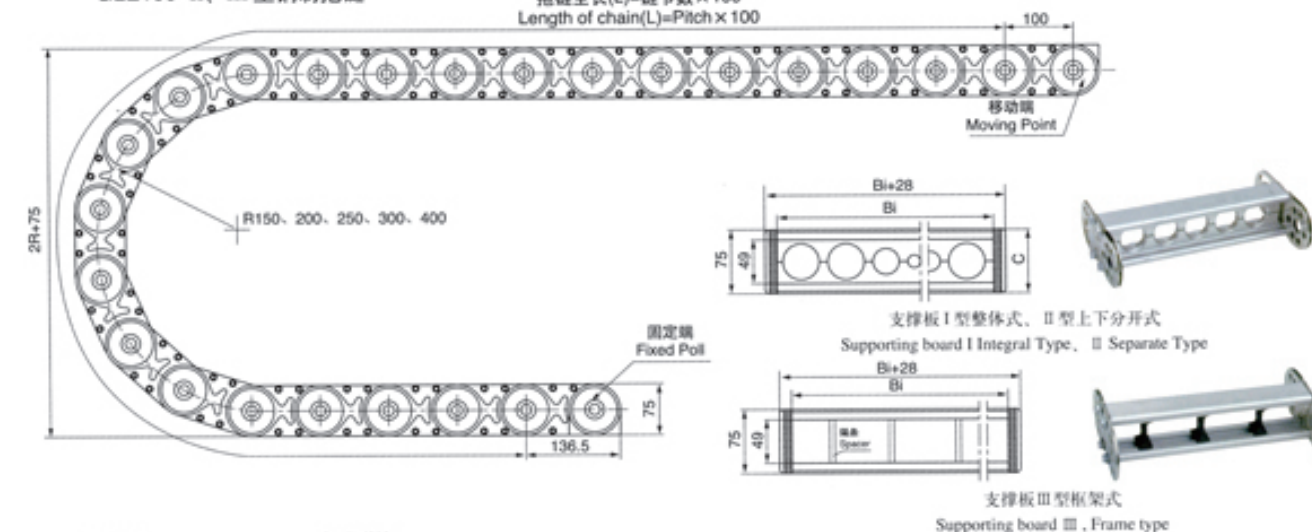


A型

B型

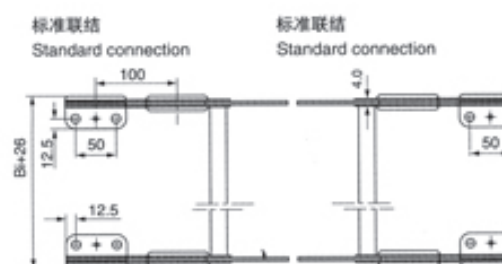
GLE100 II、III型钢制拖链

拖链全长(L)=链节数×100
Length of chain (L)=Pitch×100



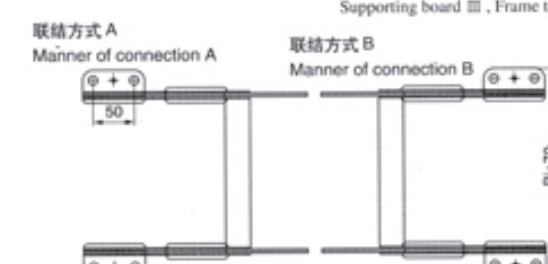
支撑板 I 型整体式、II 型上下分开式
Supporting board I Integral Type, II Separate Type

支撑板 III 型框架式
Supporting board III, Frame type



标准联结
Standard connection

标准联结
Standard connection

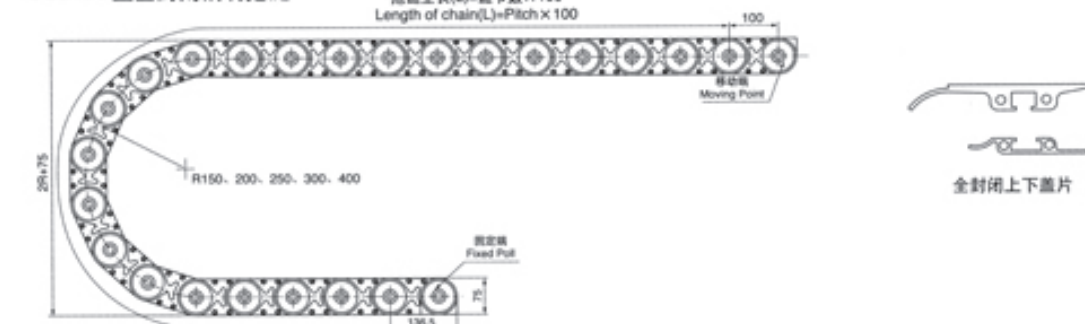


联结方式 A
Manner of connection A

联结方式 B
Manner of connection B

GLE100 型全封闭钢制拖链

拖链全长(L)=链节数×100
Length of chain (L)=Pitch×100



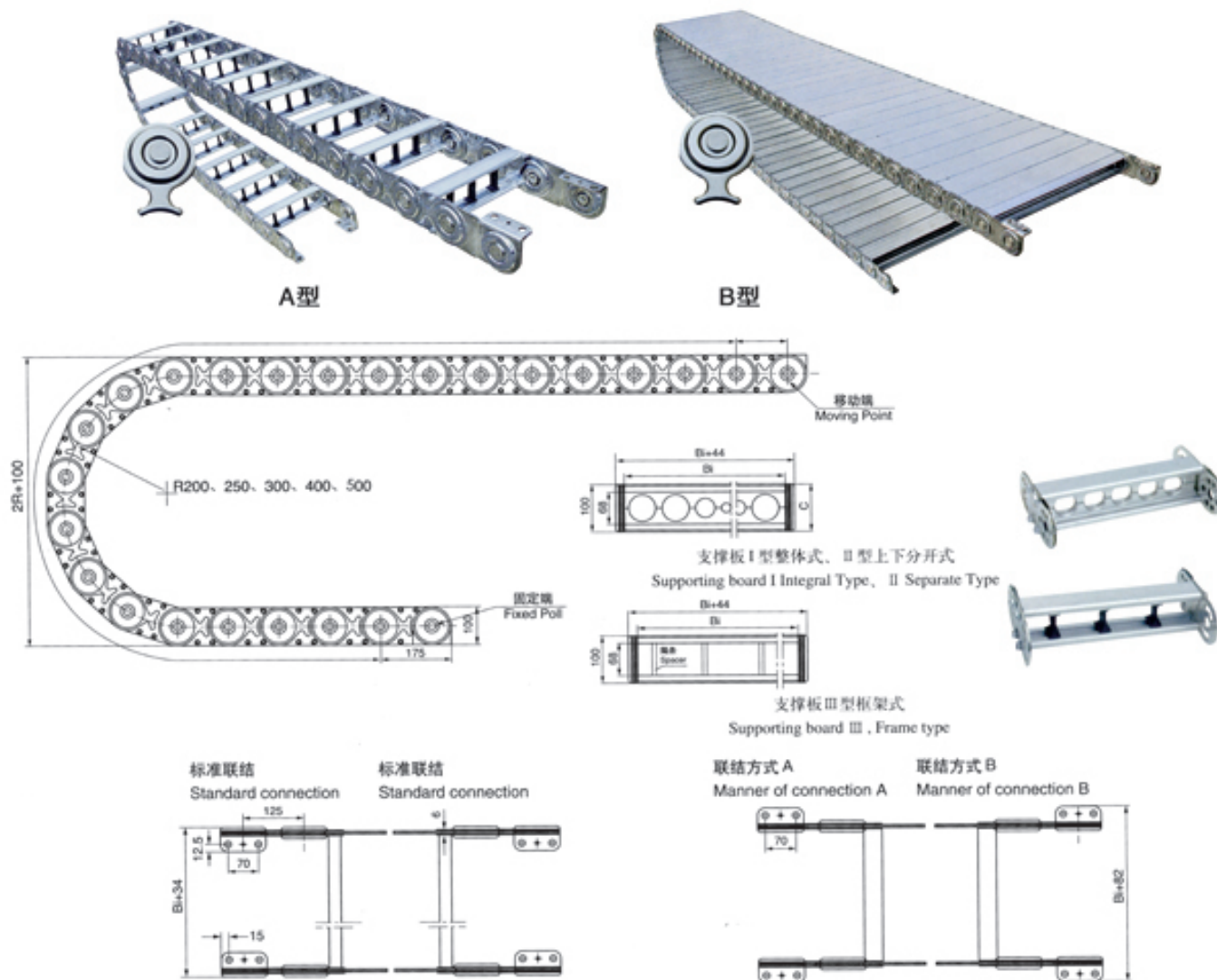
固定端
Fixed Poll

全封闭上下盖片

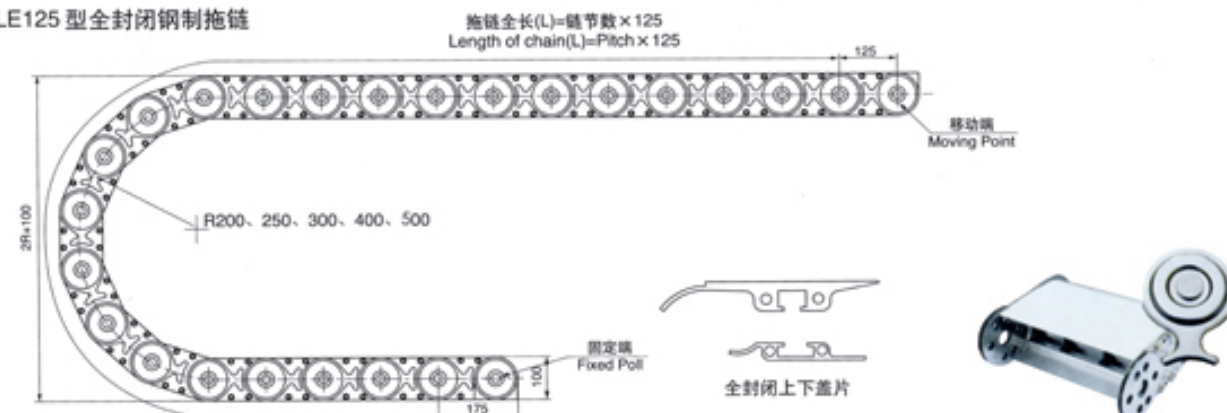


GLE125型钢制拖链

Steel drag link of gle125

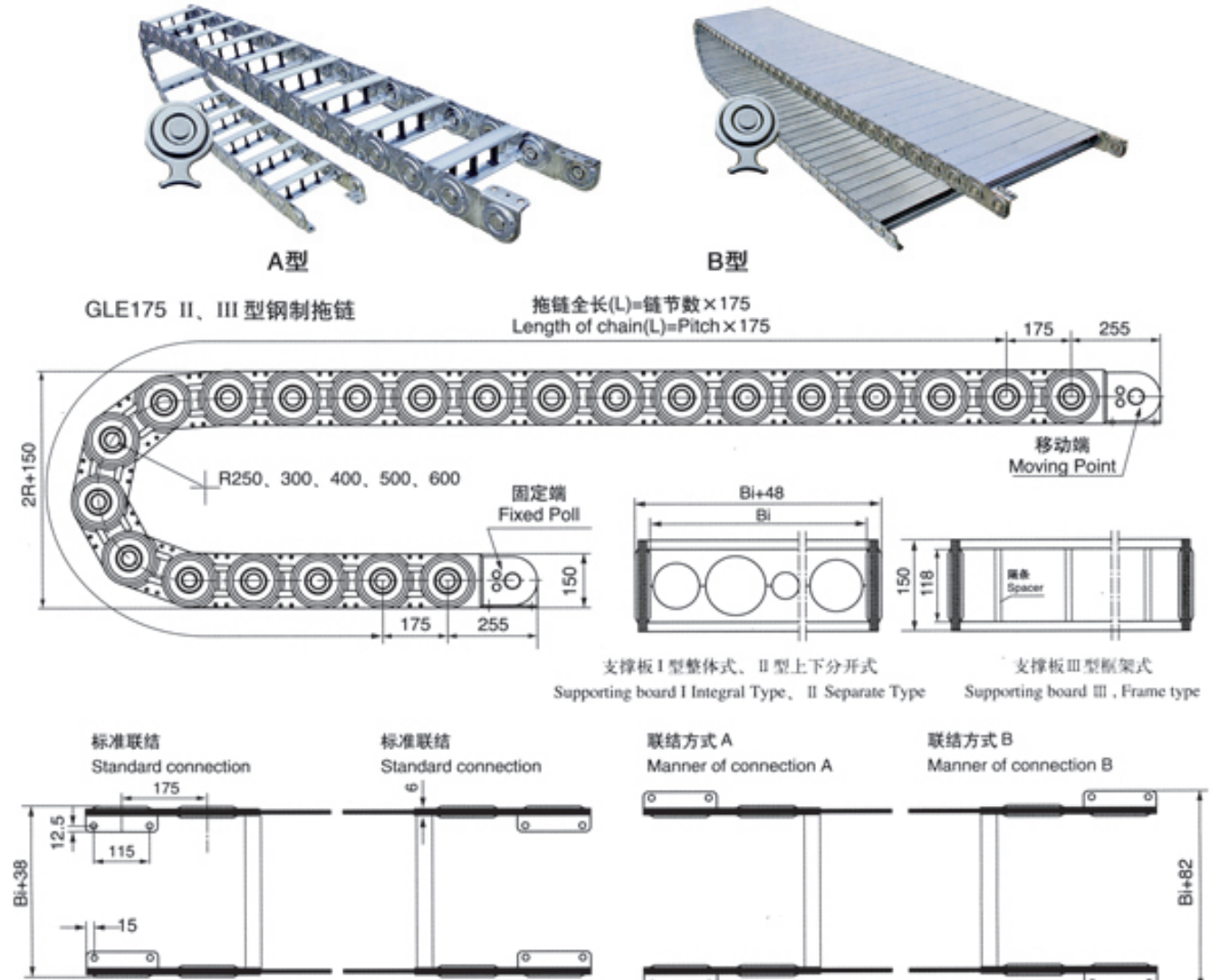


GLE125 型全封闭钢制拖链

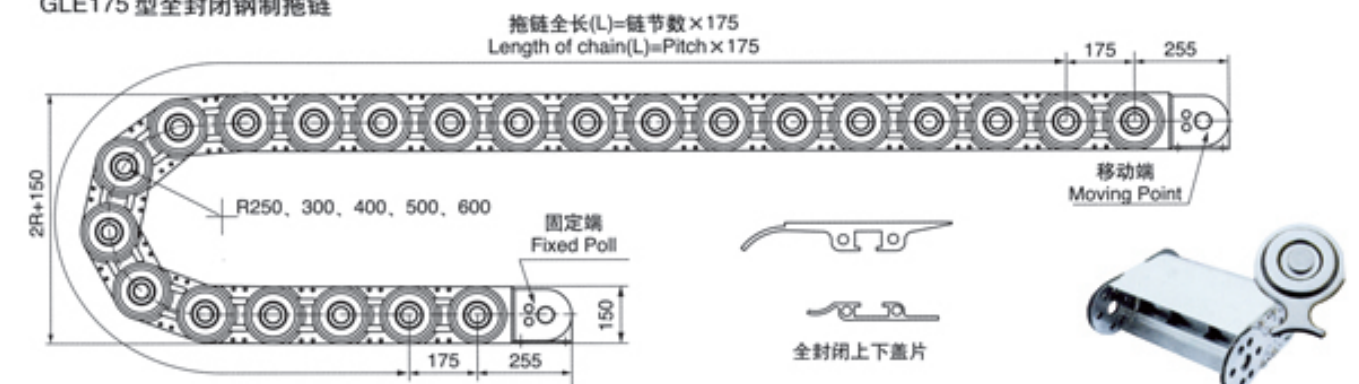


GLE175型钢制拖链

Steel drag link of gle175



GLE175 型全封闭钢制拖链





JR-2型矩形金属软管

Rectangle Metal Soft Tube of Mode JR-2



结构与用途

矩形金属软管采用全金属结构。该产品符合JB/GQ058285企业联合标准，适用于各类金属切削机床及切割机床。防止高热铁屑对您供电、水、汽线路的损伤，保护劳动安全。

选形

1、注明规格与型号如下所示：

A×B×L-装配形式；L-软管长度，包括连接器装配，形式见软管装配形式图：1~IX

2、特殊接头形式：a-c；

例：25×50×1200-1、25×50×1200-AB-III

Construction and applications

The rectangle metallic hose has a totally metallic construction. The product is according to the standard JB/GQ58285 and suitable for all types of metal cutting machine tools and slicing machines. Protect working personnel, electric circuits, water supplying piping systems and and gas loops from damaging or injured.

Model selection

1. Give a clear indication of the specifications and model numbers as given below;

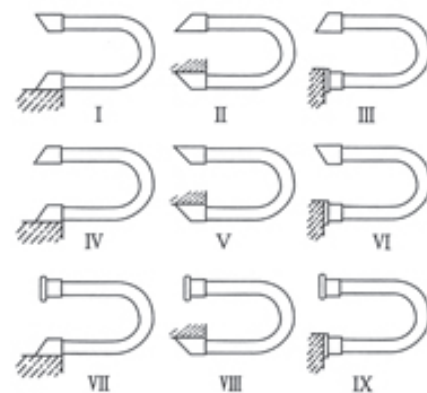
A×B×L-assembly type; L-hose length, including the assembly of the connectors, please see the hose assembly figure for specifics: I-IX

2. Special connector types: a-c;

Example: 25×50×1200-I, 25×50×1200-AB-III

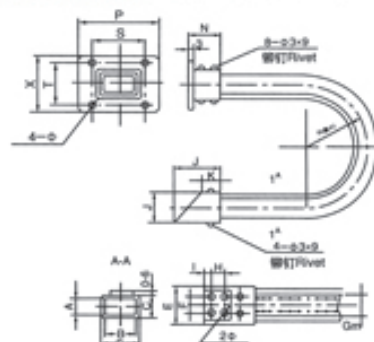
接头尺寸及规格参数表 Connector's dimensions and specifications

内径 A×B	外径 C×D	E	F	G	H	I	L	J	K	N	P	S	X	T	Ø	R	轴向拉力(kg) Axially pulling force	重量(kg/m) Weight
20×30	20×35	38	18	25	22	10	23	45	20	40	75	60	55	38	5.5	60	35	1.3
25×50	30×55	58	30	35	25	10	33	60	25	50	90	75	60	45	5.5	90	40	1.75
35×60	40×65	69	40	45	25	10	44	70	30	50	100	80	70	52	5.5	100	50	2.1
38×73	43×78	82	50	55	35	10	47	75	35	50	105	85	82	62	6.5	110	60	2.36
40×80	45×85	89	50	65	50	15	49	90	40	55	120	100	90	68	8.5	120	70	2.5
52×102	57×107	113	65	80	50	15	63	105	45	60	140	120	100	80	8.5	140	75	2.85
60×120	68×127	131	90	90	80	20	71	135	45	70	170	146	110	84	9	180	80	3.15
60×130	68×138	141	95	100	90	20	71	140	50	75	180	150	120	90	9	180	80	3.25
72×162	82×170	184	120	120	100	20	82	150	60	80	210	180	130	100	9	210	80	4.5
100×165	110×175	179	100	130	110	25	115	160	65	85	219	200	155	135	10	200	85	5.1



软管装配形式图 Hose assembly figure

软管接头尺寸图 Connector dimension figure



注：1、水平放置时下方应设置具有足够长度的拖板。

2、水平放置时允许选用超出表中规定的长度，但建议在适当的位置上设计滚动支承点，以防软管下垂。

Note: 1. When laid horizontally, a drag plate with enough length underneath should be provided.

2. When laid horizontally, a length that exceeds the length as given the table is allowed to use, but a rolling backing point is recommended to add at an appropriate position so as to avoid hose bending.

DGT 型导管防护套

Tubing Lag of Model DGT



结构制作与用途

导管防护套套板外径镀铬处理，和不锈钢及塑料，内有工程塑料增强尼龙66加纤维组合而成；套版不锈钢版抛光处理，内有工程塑料组合而成，结构合理，强度高、不变形、外形精美等优点。

安装方便，适用于种类机床机械电器、液压汽动管线防护和装饰美主机整体造型。确保操作人员劳动安全，增强我国机床、机械设备在国际市场的竞争能力。

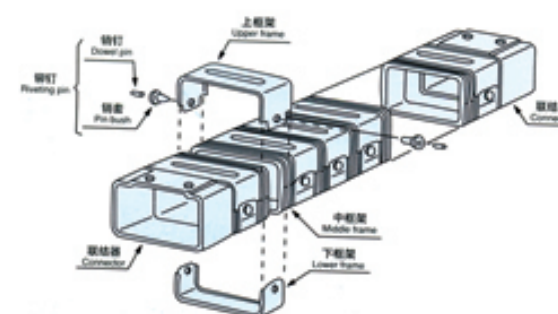
选形

注明规格与型号如下所示：

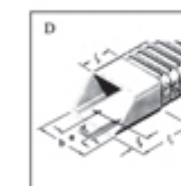
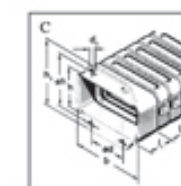
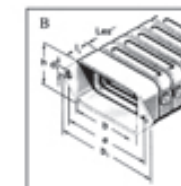
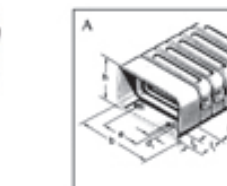
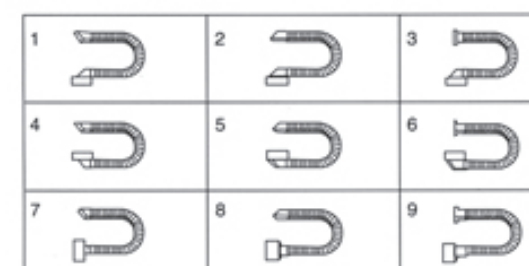
(1) 如1#1200-A- II 或25×45×1200-A- II

(2) 如3#1800-AB- III 或52×102×1800-AB- III

选型请注意规格，型号，装配形式A、B、C、D。



装配示意图



A型接头参数表

规格	参数	h	b	e	d ₁	l ₁	l ₂
25×45	39	62	22	Φ6.5	30	15	
38×73	53	91	50	Φ6.5	30	15	
45×90	61	108	62	Φ6.5	35	15	
52×102	70	122	65	Φ8.5	40	20	
60×120	81	144	70	Φ8.5	40	20	
60×150	81	184	80	Φ8.5	40	20	
72×162	93	186	100	Φ8.5	45	20	

B型接头参数表

规格	参数	h	b	e	d ₁	l ₁	l ₂
25×45	39	62	75	Φ6.5	30	90	
38×73	53	91	105	Φ8.5	35	120	
45×90	61	108	128	Φ8.5	40	137	
52×102	70	122	140	Φ8.5	40	160	
60×120	81	144	155	Φ8.5	45	167	
60×150	81	184	188	Φ8.5	45	197	
72×162	93	186	200	Φ8.5	45	226	

C型接头参数表

规格	参数	h	b	eb	d ₁	l ₁	eh	l
25×45	35	60	18	Φ6.5	30	55	80	
38×73	50	85	45	Φ6.5	35	70	90	
45×90	114	103	52	Φ8.5	42	87	100	
52×102	65	114	60	Φ8.5	40	90	110	
60×120	73	132	68	Φ8.5	42	103	120	
60×150	73	163	83	Φ8.5	44	103	120	
72×162	85	175	95	Φ8.5	45	110	130	

D型接头参数表

规格	参数	h	b	e	d ₁	l ₁	l ₂
25×45	39	62	22	Φ6.5	60	15	
38×73	53	91	50	Φ6.5	65	15	
45×90	61	108	75	Φ6.5	65	15	
52×102	70	122	82	Φ8.5	70	20	
60×120	81	144	100	Φ8.5	70	20	
60×150	81	184	130	Φ8.5	70	20	
72×162	93	186	140	Φ8.5	75	20	

规格参数表

型 号	1#	2#	3#	4#	5#	6#	7#
规 格	25×45	38×73	45×90	52×102	60×120	60×150	72×162
外 型	39×62	59×91	61×108	70×128	81×144	81×184	93×186
弯曲半径	60	100	120	140	160	165	185
不支承长度M	1.5	2	2.2	2.5	2.7	2.9	3.0
负载重量	3	4	5	8	10	14	20