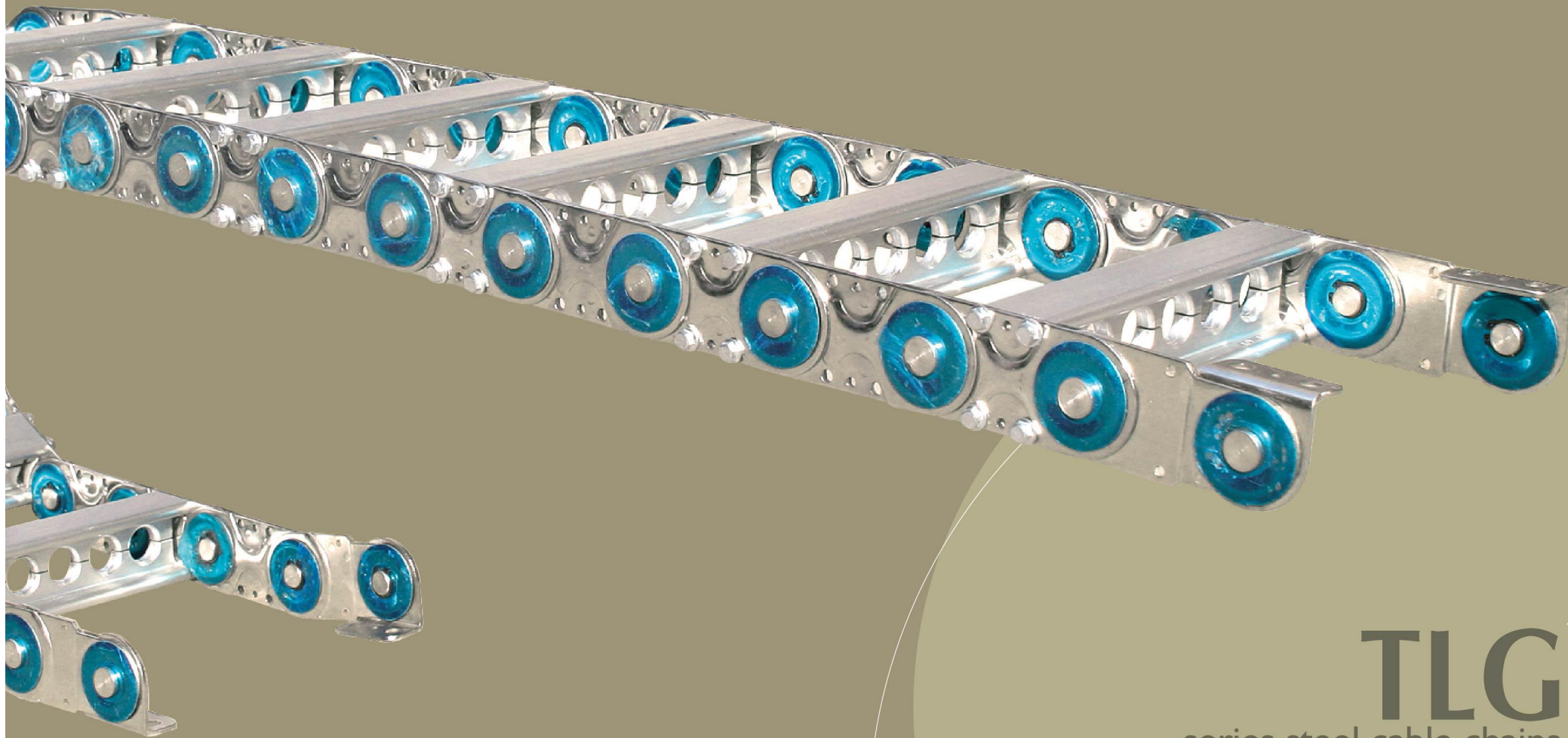


Krius® 科瑞斯



TLG
series steel cable chains
TLG系列钢制拖链

TLG系列钢制拖链

TLG series steel cable chains

功能特点 Features & Benefits

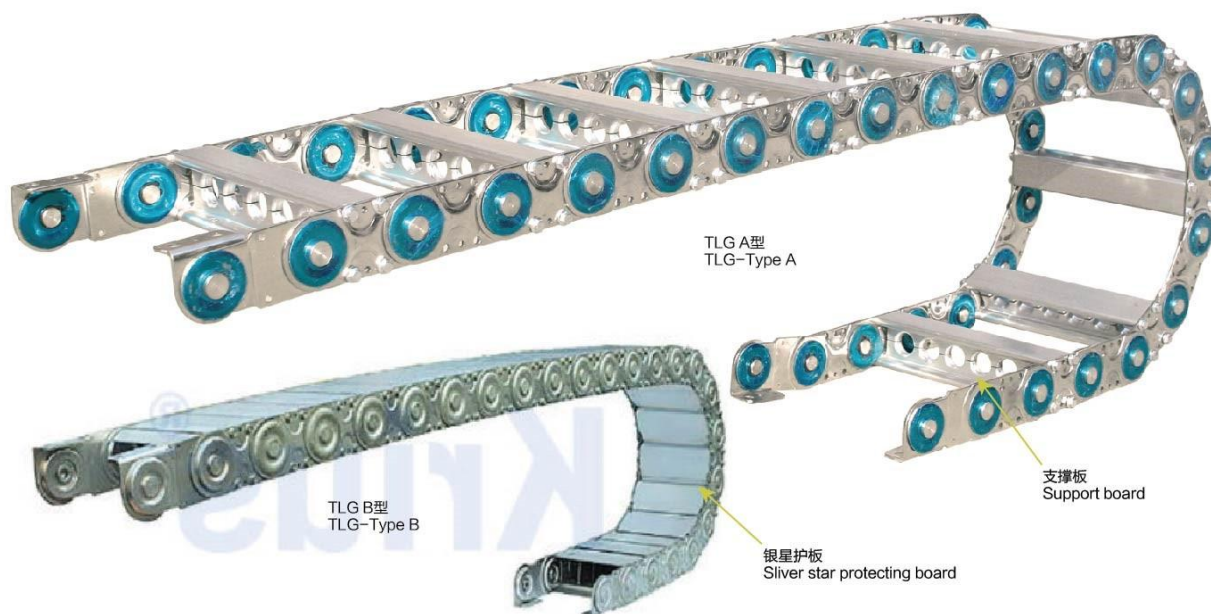
TLG系列拖链是在TL系列拖链的基础上增加了拖链的承载能力及行程长度，可承载重量较大的电缆及油管，自由悬置的长度较大，更加适用于工作母机及移动机械等所有传动方式运行的机械运动中。

由于本产品外观精美，可在很大程度上增强机床设备的整体艺术效果，增强机床、机械设备等在国际市场的竞争力。

- TLG系列根据其支撑板的不同可以分为TLG A型和TLG B型
- TLG A型选用优质的铝合金型材，可以满足客户不同程度的需求，其支撑板的宽度可达到1200mm，即使在最高速度和行程速度下，也可以保证拖链的内部分隔无懈可击，并且保证电缆的最佳保护状态。
- TLG B型带塑料隔条，可随意移动调节位置，进行多种分割，适用于电缆种类较多的场合；此款拖链的护板是新开发的“银星护板”，采用铝合金制造，其外形美观，稳定性极高，电缆保护更为坚固，在其任意部位均能打开拖链，此装置已经接受了15年以上的考验。

TLG series steel cable chain has strengthened the loading ability & stroke length on basis of TL series, it can load more heavy cable and hose, And it has longer unsupported length, so it can be more suitable for machine tool, moveable machinery and all dynamic mechanical movement. Due to the elegant appearance it can strengthen machine tool artistic effect in great degree and promote the product competitiveness In international market.

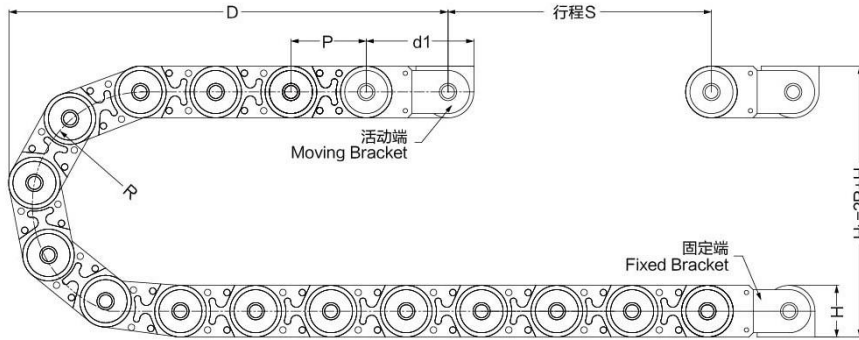
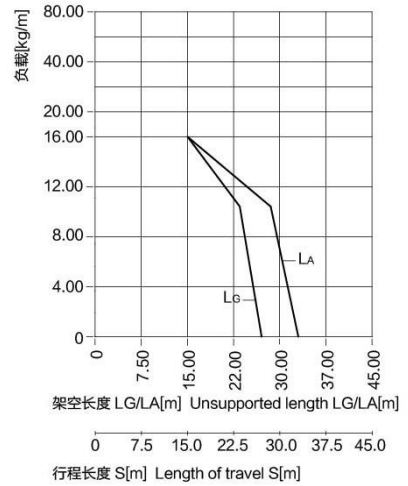
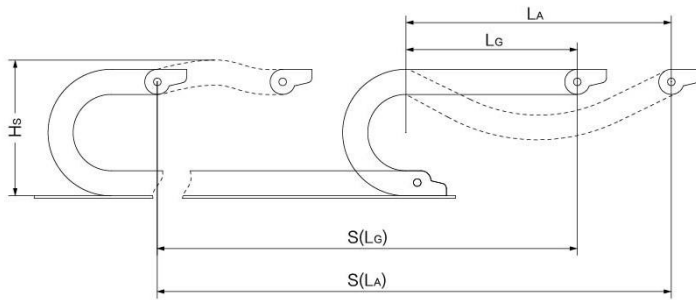
- TLG series included TLGA and TLGB type referring to different support plates.
- TLGA type is made of first-class alloy aluminum profile which could meet customer's different requirement, the support distance can reach 1200mm, even in the highest speed and travel speed it could keep the separator work perfect and guarantee the cable wire protected well.
- TLG B has plastic separator which can adjust location freely and acquired customized space. This mainly is for application when different and various kind of cables are used at the same time. The protection plate is new development called "silver star protection plate" which is made of alloy aluminum, it has elegant appearance, high stability, more firm for cable protection, it can be opened in any placement on itself for easy assemble and dismantle, this device has passed more than 15 years working environment test.



安装尺寸及技术参数 Installation Dimensions and Technical Parameters

架空长度 Unsupported length

- L_G = 直线架空长度
- L_A = 安全塌腰架空长度
- L_G = Unsupported with straight upper run
- L_A = Unsupported with permitted sag



- S = 行程长度
- R = 弯曲半径
- P = 节距
- L = 拖链长度
- N = 每米链节数
- H_L = 理论安装高度
- H_s = 实际安装高度
- D = 拖链退回极限位置时的最小距离
- $K = \pi \cdot R + 2P$
- * K 值可在科瑞斯相关表格中直接查询
- S = Length of travel
- R = Bending Radius
- P = Pitch
- L = Length of chain
- N = Links per meter
- H_L = Nominal clearance height
- H_s = Required clearance height
- D = Overlength Energy Chain radius in final position
- $K = \pi \cdot R + 2P$
- * You can find it from below chart for more details

支撑板形式 Support plate type

I型整体式、II型上下分体式
Type I integral, II type upper and lower split type



III型框架式
III framework



技术参数 Technical Parameters

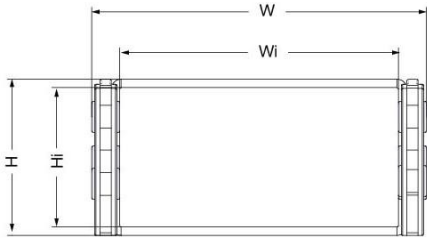
速度/加速度 L_G	Speed/acceleration L_G	max.25[m/s]/max.205[m/s ²]
速度/加速度 L_A	Speed/acceleration L_A	max.5[m/s]/max.8[m/s ²]
滑行速度/加速度	Gliding speed/acceleration	max.5[m/s]/max.12[m/s ²]
材料-允许温度 °C	Material-permitted temperature	igumid G/-40°C至+125°C
阻燃等级, igumid G	Flammability Class, igumid G	VDE 0304 IIC UL94 V2

附表一 (TLG系列拖链技术参数表)
Table 1 (Technical parameter)

型号 Type	R	H _L	D	K	P	N	d1	支撑板最大孔径 Max. hole diameter of support plate	支撑板形式 Support plate type
TLGA75 TLGB75	100 (3.94)	250 (9.84)	210 (8.27)	455 (18.31)	75 (2.95)	13 (0.51)	98 (3.86)	35 (1.38)	II / III
	150 (5.91)	350 (13.78)	310 (12.20)	620 (24.41)					
	200 (7.87)	450 (17.72)	410 (16.14)	780 (32.71)					
	250 (9.84)	550 (21.65)	510 (20.08)	935 (36.81)					
	300 (11.81)	650 (25.59)	610 (24.02)	1090 (42.91)					
TLGA100 TLGB100	150 (5.91)	375 (14.76)	310 (12.20)	670 (26.38)	100 (3.94)	10 (0.39)	136.5 (5.37)	50 (1.97)	II / III
	200 (7.87)	475 (18.70)	410 (16.14)	830 (32.68)					
	250 (9.84)	575 (22.64)	510 (20.08)	985 (38.78)					
	300 (11.81)	600 (26.57)	610 (24.02)	1140 (44.88)					
	400 (15.75)	875 (34.45)	810 (31.89)	1455 (57.28)					
TLGA125 TLGB125	200 (7.87)	500 (19.69)	410 (16.14)	880 (34.65)	125 (4.92)	8 (0.31)	175 (6.89)	75 (2.95)	II / III
	250 (9.84)	600 (23.62)	510 (20.08)	1035 (40.75)					
	300 (11.81)	700 (27.56)	610 (24.02)	1190 (46.85)					
	400 (15.75)	900 (35.43)	810 (31.89)	1505 (59.25)					
	500 (19.69)	1100 (43.31)	1010 (39.76)	1820 (71.65)					
TLGA175 TLGB175	250 (9.84)	647 (25.47)	510 (20.08)	1135 (44.69)	175 (6.89)	6 (0.24)	255 (10.04)	115 (4.53)	II / III
	300 (11.81)	747 (29.41)	610 (24.02)	1290 (50.79)					
	400 (15.75)	947 (37.28)	810 (31.89)	1605 (63.19)					
	500 (19.69)	1147 (45.16)	1010 (39.76)	1920 (75.59)					
	600 (23.62)	1347 (53.03)	1210 (47.64)	2235 (87.99)					

- 链板的高度，即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，若拖链宽度超过300mm，拖链的长度超过4m时，处于稳定原因考虑，应考虑选择加一型号的拖链。
- 弯曲半径要根据电缆的最大直径进行选择，并且应达到其直径的10倍，行程小的可选择较小的半径。
- Steel chain supporter inner height is decided by max diameter of cables. when the machine runs with max speed, and cable chain inner width need to be more than 300mm, the total length need to be more than 4m long, it is better to choose one larger size item for steel chain for better stability.
- Steel chain bending radius is according to max diameter of cable, normally 10 times of max diameter of cables, when the total stroke is shorter, you can choose a little smaller bending radius accordingly.

TLG 系列拖链—产品规格范围 TLG Cable Chain—Product specifications



产品代码结构
Part Number Structure

TLG75III*R*Wi*L*n

- 数量 (Quantity)
- 拖链长度 (Length of Cable chains)
- 内宽 (Inner Width)
- 弯曲半径 (Bending Radius)
- 支撑板类型 (Supporting board type)
- 型号 (Type)



订购示例—整条拖链 Order details—integrated chain

请注明拖链长度或者链节数 如：1米或12节

TLG-A75III*R200*200*1000*2
(2条长度1米的TLG75-A型钢制拖链, 半径为200mm, 内宽为200mm, 选用III型支撑板)

Please mark the length or link number, such as 1 meter or 12 links

TLG-A75III*R200*200*1000*2
(2pcs TLG75-Type A steel chain with L 1m ,bending radius 200, inner width 200mm with III supporter structure.)

附表二 (TLG系列拖链规格表) Table 2 (TLG series steel drag chain specification)

型号 Type	弯曲半径<R> Bending radius	内高<Hi> Inner height	内宽<Wi> Inner width	外高<H> Outer height	外宽<W> Outer Width	重量<G> Weight	备注 Remark
	mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)	kg/m (lbs/ft)	
TLG75	参照附表一 See Table 1	32 (1.26)	可订制	50 (1.97)	(Wi+19mm)	以实际称重为准 Please according to the actual weight	
TLG100		51 (2.01)	可订制	75 (2.95)	(Wi+26mm)		
TLG125		72 (2.83)	可订制	100 (3.94)	(Wi+34mm)		
TLG175		120 (4.72)	可订制	147 (5.79)	(Wi+38mm)		



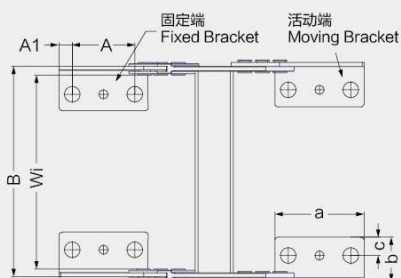
TLG 系列拖链-拖链接头 TLG series Cable Chain-Mounting Bracket

钢制接头，分体式 Steel Mounting Bracket, Splitted structure

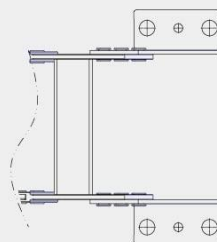
- 双侧独立式钢制接头
 - 耐腐蚀 & 耐摩擦
 - 可实现内外连接
- Independent Steel mounting bracket on the two end
 - Anti-corrosion, Rub-resistance
 - Can realize the internal and external connections

接头安装方式 Installation methods

连接方式一
Connection way 1



连接方式二
Connection way 2



TLG75 / TLG100 / TLG125 / TLG175 接头示意图
TLG75 / TLG100 / TLG125 / TLG175 mounting bracket sketch

附表三 (TLG系列拖链接头参数表)
Table 3 (TLG series drag chain sub parameter table)

拖链型号 Type	孔尺寸 Hole Dimension	A尺寸 Dimension A	A1尺寸 Dimension A1	a尺寸 Dimension a	b尺寸 Dimension b	c尺寸 Dimension c
		mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)
TLG75	Ø9	30 (1.18)	10 (0.39)	50 (1.97)	27 (1.06)	12 (0.47)
TLG100	Ø11	50 (1.97)	12.5 (0.49)	75 (2.95)	33 (1.30)	12 (0.47)
TLG125	Ø13	70 (2.76)	15 (0.59)	100 (3.94)	42 (1.65)	12 (0.47)
TLG175	Ø13	115 (4.53)	16 (0.63)	147 (5.79)	42 (1.65)	12 (0.47)



TLG 系列拖链-元件 TLG series of chain-Elements

- ① III型支撑板—材质为挤拉铝合金
- ② 隔条—材质为铝合金
- ③ 轴销—合金钢
- ④ I/II型支撑板—材质为挤拉铝合金
I型为整体式
II型为上下分开式

- ① III type support plate – material for extruded aluminum alloy
- ② Spacing sticker material for aluminum alloy
- ③ Shaft pin – alloy steel
- ④ I/II type I type support plate – material is extruded aluminum alloy I type for the integral type II type for the upper and lower type



此元件均可以根据客户实际的要求进行订制
Element can be customized according to customer's actual requirements

TLGB 系列—银星护板 TLGB series—Sliver star protecting board

