



Global Conveyor Supplies Limited Company

艾克玛（惠州）输送设备有限公司

Tel: +86-752-2621123 | Mob: 0086-18948254481

QQ: 3521728561

sammilam@gcsconveyor.com | gcs@gcsconveyor.com

www.gcsconveyor.com    www.gcsroller.com



# GCS is 30 years old

**Professional manufacturer  
of high-quality rollers**

## Global Conveyor Supplies Limited Company









E:sammilam@gcsconveyor.com | gcs@gcsconveyor.com

W:www.gcsconveyor.com    www.gcsroller.com



# CONTENTS

## ABOUT GCS

	About GCS	01~02
	GCS Unpowered Series	03~05
	GCS Powered Series	06~08
	GCS Motorized Series	09~11
	GCS Accessories Series	12~13
	GCS Conveyor Equipment Series	14~16
	Our Partner	16
	Company Qualification	17

Global Conveyor Supplies Company Limited (short for "GCS") is a leading manufacturer of roller conveyor equipment and accessories, headquartered in Malaysia.

Since its establishment in 1997, GCS has been dedicated to providing high-quality conveyor solutions to a diverse range of industries, including manufacturing, pharmaceuticals, tobacco, household goods, airports, logistics and other industrial sectors, helping clients in Europe, America, the Middle East, Japan, Australia and Southeast Asia to improve operational efficiency and reduce logistics costs.

With a customer-focused philosophy, GCS provides customized manufacturing services to customers from all regions of the world. Since its inception, the company has been adhering to the scientific concept of development, focusing on improving products, service life and reducing energy consumption, and relying on technological innovation to achieve sustainable growth.

Our vision is to cooperate with clients from all regions and to build GCS into an internationally renowned brand.

30+ Years Experience

20000m<sup>2</sup> Workshop Area

3 Production Base

120 Employees



Company Qualification  
Group Structure



Location: Malaysia  
Founded: 1974  
Main scope: Metal Stamp Parts for Oil,  
Natural Gas, Automobile, Industrial Electric  
Appliance and Electronic Components



Location: Shenzhen (China)  
Founded: 2002  
Main scope: Surface Treatment for  
Hardware



Location: Huizhou (China)  
Founded: 2006  
Main scope: Conveyor Equipment  
and Conveyor Parts



Location: Huizhou (China)  
Founded: 2011  
Main scope: Global Conveyor  
Equipment

Certification and Patent



GCS Unpowered Series

Unpowered Transmission

Unpowered transmission is the simplest and most widely used conveying method. The roller operation is passive, with the goods relying on gravity or human push and pull to facilitate the conveying process. The conveying arrangement is usually horizontal or inclined.

Horizontal Layout

The goods are conveyed by human push and pull or other traction. It is suitable for small weight of goods, short conveying distance, infrequent work occasions



Inclined Layout

The cargo is transported by the force of gravity in the direction of inclination. The greater the angle of inclination, the heavier the cargo, and the faster the decline



型号 (Model)	管外径 (D)mm	管厚度 (T)	滚筒长度 RL RolleLength. mm	轴外径 (d).mm	管体材料 Tube Material	表面处理 Surface Treatment
PP25	φ25	T=1.0	100-1000	φ8	碳钢 Carbon Steel 不锈钢 Stainless	镀锌 Zincorplated 镀铬 Chrameorplated
PP38	φ38	T=1.0、1.2、1.5	100-1500	φ12		
PP50	φ50	T=1.0、1.2、1.5	100-2000	φ12		
PP57	φ57	T=1.0、1.2、1.5、2.0	100-2000	φ12		
PP60	φ28	T=1.2、1.5、2.0	100-2000	φ12、φ15		
PH28	φ38	T=1.5、2.75	100-2000	φ12		
PH38	φ42	T=1.2、1.5	100-2000	φ12、φ15		
PH42	φ48	T=1.5、2.0	100-2000	φ12		
PH48	φ50	T=1.5、2.75	100-2000	φ12		
PH50	φ57	T=1.2、1.5	100-2000	φ12、φ15		
PH57	φ60	T=1.2、1.5、2.0	100-2000	φ12、φ15		
PH60	φ60	T=1.5、2.0	100-2000	φ12、φ15		
PH63.5	φ63.5	T=2.0、3.0	100-2000	φ15		
PH76	φ76	T=1.5、2.0、3.0	100-2000	φ12、φ15、φ20		
PH89	φ89	T=2.0、3.0	100-2000	φ20		



GCS Unpowered Series

NH Nylon Roller



型号 (Model)	管外径 (D) mm	管厚度 (T)	滚筒长度 RL RolleLength. mm	轴外径 (d). mm	管体材料 Tube Material	表面处理 Surface Tre
NH38	φ38	T=1.0、1.2、1.5	300-1600	φ12	碳钢 Carbon Steel 不锈钢 Stainless PVC	镀锌 Zincorplated 镀铬 Chromeorplated
NH50	φ50	T=1.2、1.5	300-1600	φ12		
NH60	φ60	T=1.5、2.0	300-1600	φ12、20		
NH75	φ75	T=2.0、2.5、3.0	300-1600	φ15		
NH80	φ80	T=3.0	300-1600	φ20		

Taper Roller



辊道型号 TR ( 转弯半径 )	锥辊小端直 径 D1	轴径 d	锥度 Taper	最大直径 D2								
				RL=200	300	400	500	600	700	800	900	1000
R900	φ50	12/15	3.18	61.1	66.6	72.2	77.7	83.3	88.8	94.3	99.8	105.4
R790			3.6	62.57	68.9	75.2	81.5	87.8	94.0	100.3	106.6	112.8
R420			6.68	73.3	85	96.6	108.3	120	131.7	/		//

GCS Unpowered Series

Foldable Roller Conveyor



辊筒直径 D (Roller Dia)	轴径 (d) Shaft Dia	宽度 Width L(mm)	长度 Rolle Length(M)	管体材料 Tube Material
50	10/12	300-800	一米一段可连接	工程塑料
60	10/12	300-800	一米一段可连接	工程塑料

Customization

GCS supports customization process requirements such as: surface treatment, materials and process ect.



GCS Powered Series

Power Transmission

In the field of power transmission, goods are transported accurately, smoothly and reliably at a specified speed. There are two main categories of transmission method: 'belt transmission' and 'chain transmission'.

Belt Driven

This product offers smooth running, low noise, and less pollution to the environment, allowing high-speed operation. However, its load capacity is relatively weak, so it should be avoided in conditions of oil pollution.

Chain Driven

This product offers a high load capacity, excellent adaptability to various environments, and the ability to work in close proximity to oil, water, and high temperatures. However, it should be noted that in a dusty environment, the chain may wear more quickly. The conveyor belt can transport goods at a maximum speed of 30 metres per minute.

Single/Double Row Sprocket Roller



辊筒直径 D Roller Dia	管厚度 (T)	轴径 d Shaft Dia	轮轮规格 Sprocket	长度 RL Roller length	筒体材料 Tube Material	表面处理 Surface Treatment
φ38	T=1.2、1.5	12	4 分 14 齿 可按客户 要求定制	300-1000	碳钢 Carbon	镀锌 Zincorplated 镀铬
φ42	T=2.0	12		300-1000		
φ48	T=2.9	12		300-1000		
φ50	T=1.2、1.5	12		300-1500	Steel 不锈钢	Chromeorplated
φ57	T=1.2、1.5	12/15		300-1500		铸胶 Rubberorcasted
φ60	T=1.5 2.0 3.0	12/15		300-1500		包塑 Plasticorcoated
φ76	T=2.0 3.0	12/15/20		300-2000	Alumunium	Plasticorcoated
φ80	T=3.0	20		300-2000		
φ89	T=2.5 3.0	20		300-2000		

GCS Powered Series

Poly Vee Roller



型号 (Model)	管外径 (D)mm	管厚度 (T)	滚筒长度 RL RolleLength. mm	轴外径 (d). mm	管体材料 Tube Material	表面处理 Surface Tre
DX	φ50	T=1.2、1.5	100-2000	φ12、φ15	碳钢	镀锌
DX	φ57	T=1.2、1.5	100-1500	φ12、φ15		镀铬
DX	φ60	T=1.2、1.5、2.0	100-2000	φ15、φ20	不锈钢	镀铬

Single/Double Row Roller



型号 (Model)	管外径 (D)mm	管厚度 (T)	滚筒长度 RL RolleLength. mm	轴外径 (d).mm	管体材料 Tube Material	表面处理 Surface Tre
φ38-12	37.7	T=1.5	300-1200	12	碳钢 Carbon Steel 不锈钢	镀锌 Zincorplated
φ42-12	42	T=2.0	300-1600	12		镀铬 Chromeorplated
φ48-12	48	T=2.9	300-1600	12		铸胶 Rubberorcasted
φ50-12	50.7	T=1.5	300-1600	12		包塑 Plasticorcoated
φ57-12	56.6	T=1.5 2.0	300-1600	12		
φ57-15	56.6	T=1.5 2.0	300-1600	15	Stainless	
φ60-12	59.2	T=2.0 3.0	300-1600	12		
φ60-15	59.2	T=2.0 3.0	300-1600	15		



GCS Powered Series

Powered Taper Roller



TR ( 转弯半径 )	锥辊小端直径 D1	轴径 d	锥度 Taper	最大直径 D2								
				RL=200	300	400	500	600	700	800	900	1000
R900	φ50	12/15	3.18	61.1	66.6	72.2	77.7	83.3	88.8	94.3	99.8	105.4
R790			3.6	62.57	68.9	75.2	81.5	87.8	94.0	100.3	106.6	112.8
R420			6.68	73.3	85	96.6	108.3	120	131.7	/	/	/

Accumulation Sprocket Roller



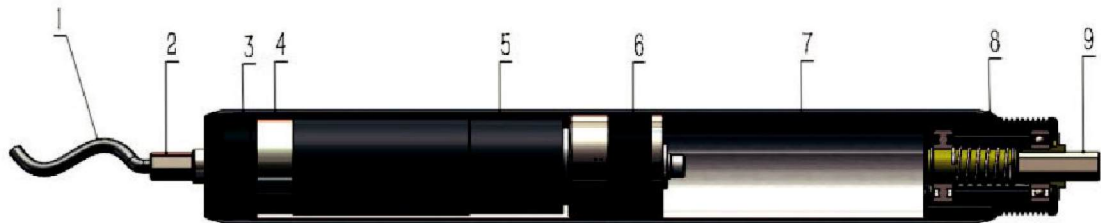
辊筒直径 D Roller Dia	管厚度 (T)	轴径 d Shaft Dia	轮轮规格 Sprocket	长度 RL Roller length	筒体材料 Tube Material	表面处理 Surface Treatment
φ50 φ60	T=1.2、1.5 T=2.0	φ12 φ12 15	4 分 14 齿 可按客户要求	300-1500 300-1500	碳钢 Carbon Steel 不锈钢	镀锌 Zincorplated 镀铬 Chromeorplated 铸胶 Rubberorcasted
φ76	T=2.0 3.0	φ15 20	求定制	300-1500	Stainless	包塑 Plasticorcoated

Motorized Roller

Motorized Roller



The motor drive roller is a self-powered transmission roller with a integrated motor installed inside the roller body. Compared to a traditional motor, the integrated motor has less weight and higher output torque. The high efficiency integrated motor and reasonable roller structure design help to reduce the operation noise by 10% and make the MDR maintenance-free, easy to install and replace.



- 1 电线 2 出线端轴 3 前轴承座 4 电机 5 齿轮箱 6 固定座 7 筒体 8 多楔带轮 9 尾端轴
- 1: Wires 2. Cable end shaft 3. Front axle axle seat 4. Motor 5. Gear box 6. Secure the seat 7. Cylinder 8. Multi-wedge pulley 9. Tai end shaft

Features

Japan NMB Bearing  
ST Microelectronics Control Chip  
Automotive Grade MOSFET Controller

Features

High Stability  
High Efficiency  
High Reliability  
Low Noise  
Low Failure Rate  
Heat Resistance

Pipe: Steel; Stainless Steel (SUS304#)  
Diameter: Φ50MM---Φ76MM  
Length: Customized  
Cable Length: 1000MM  
Power Plug: DC+、DC-  
Voltage: DC 24V/48V  
Rated Power: 80W  
Rated Current: 2.0A  
Working Temperature: -5℃~+60 ℃  
Humidity: 30-90%RH



## RKM 电动辊筒系列:

辊筒



### Features

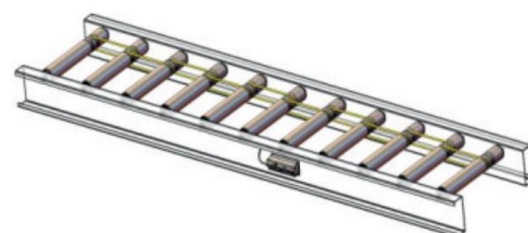
As a plastic steel bearing seat straight roller drive, it has a wide range of applications, especially in the box conveyor field.

- ◇ Precision ball bearings and plastic steel bearing housings, the design of the end caps make up the key bearing assembly part, which is not only beautiful, but more importantly, makes the roller run more quietly.
- ◇ The end cover at the end of the drum effectively prevents the entry of dust and splashing water in the working environment.
- ◇ Flexible layout and easy maintenance/installation.
- ◇ The design of plastic steel bearing seat makes it capable of working in some special environments.

### 产品特点

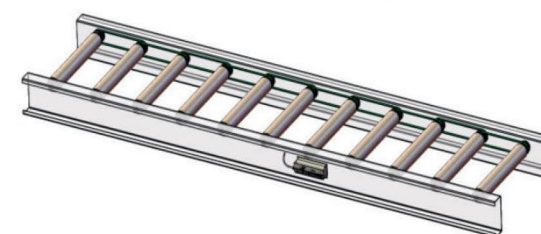
- ◇ O-belt drive features low running noise and fast conveying speed, widely used in light and medium load box conveyor.
  - ◇ Precision ball rubber cover bearings and external plastic steel protective cover can prevent the bearings from being damaged by dust and splashing water.
  - ◇ Roller groove position can be customised according to users' requirements.
  - ◇ Flexible layout and easy maintenance/installation.
  - ◇ Because of the rapid torque decay, a single drum motor can only effectively drive 8-10 passive rollers, and the weight of the goods conveyed by each conveying unit should not exceed 30kg.
- Calculation and installation of O-belt  
 The installation of 'O-belt' requires a certain amount of preload, which varies according to the manufacturer. The circumference of O-belt is generally taken as 5%-8% (i.e. subtracting 5%-8% from the theoretical circumference of the bottom diameter ring).

### O Belt Driven



## RKM 电动辊筒系列:

### Poly Vee Driven Type



### Features

- ◇ ISO9982, PJ type multiribbed belt with 2.34mm groove spacing and 9 grooves in total.
- ◇ Depending on the size of the conveyed load, you can choose either 2-groove or 3-groove multiribbed belts, and even if you choose the 2-groove multiribbed belt unit, the conveyed load can be up to 50KG.
- ◇ The fit of the polycartridge pulley with the barrel makes the driving and conveying area spatially separated and avoids the effect on the polycartridge belt when there is oil on the surface of the conveyed object.
- ◇ Precision ball bearings and plastic steel bearing housings, the design of the end caps form the key bearing assembly part, which is not only aesthetically pleasing, but also more importantly, makes the roller run more quietly.
- ◇ The end cover at the end of the drum effectively prevents the entry of dust and splashing water in the working environment.
- ◇ Flexible layout and easy maintenance/installation.
- ◇ The design of plastic steel bearing seat makes it capable of working in some special environments.

### 产品特点

- ◇ The steel sprocket is welded into one piece with the barrel, and the tooth shape conforms to GB/T1244, which is used in conjunction with the chain belt.
- ◇ The sprocket wheel adopts the design of external bearing, which is easy to maintain and replace the bearing in the later stage.
- ◇ The design of precision ball bearing and plastic steel bearing seat and end cover make up the key bearing component part, which is not only beautiful, but more importantly, makes the drum run more quietly.
- ◇ The end cover at the end of the drum effectively prevents the entry of dust and splashing water in the working environment.
- ◇ Flexible layout and easy maintenance/installation.
- ◇ The design of plastic steel bearing seat makes it capable of working in some special environments.
- ◇ Load capacity of 100kg per zone.

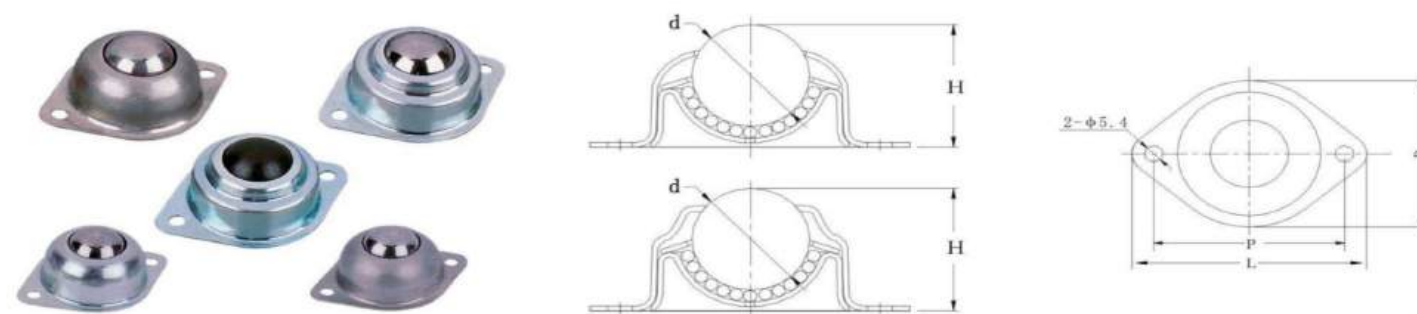
### Sprocket Driven Type





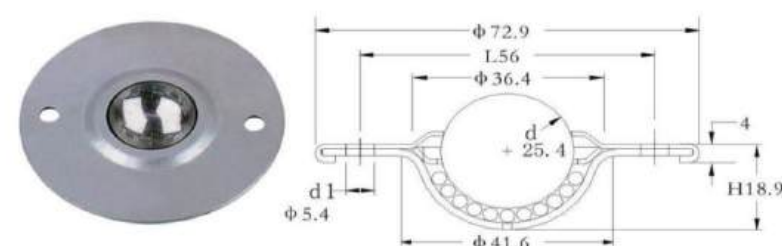
## Accessories

## Tower Type Transfer Unit



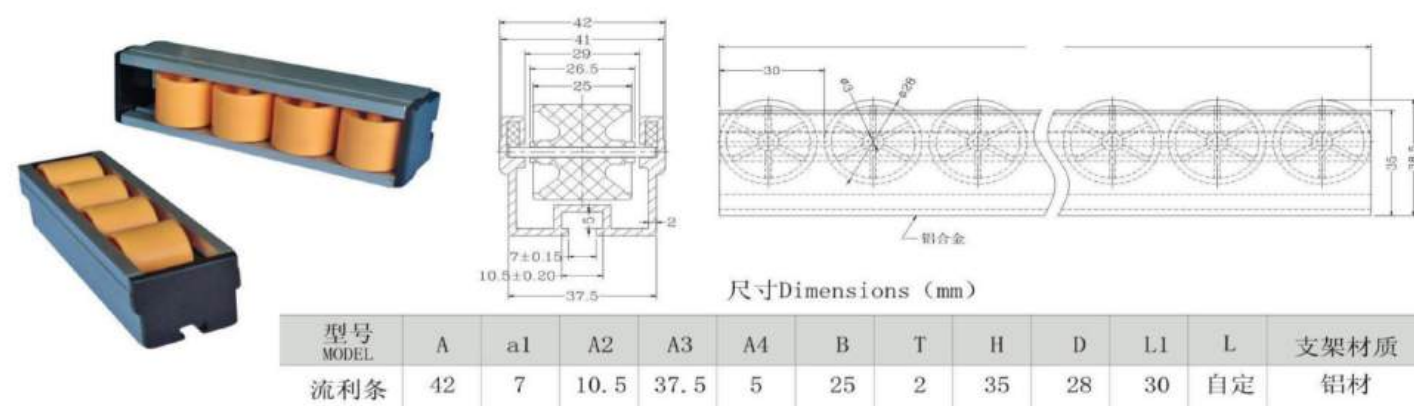
型号 Model	款式 Type	D	尺寸 d	Dimensions, mm p	L	H	球材质 Ball Mat' l
PC254	圆式 塔式	50	25.4	56	70	30.5	碳钢 Steel
PC254SS							不锈钢 Stainless
PC254N							尼龙 Nylon

## Disc Type Transfer Unit



型号 Model	载荷 Load (kg)	球材质 Ball Mat' l	表面处理 Surface Treatment
PD254	35	碳钢 Steel	镀锌 Zincorplated
PD254SS	45	不锈钢 Stainless	
PD254N	35	尼龙 Nylon	

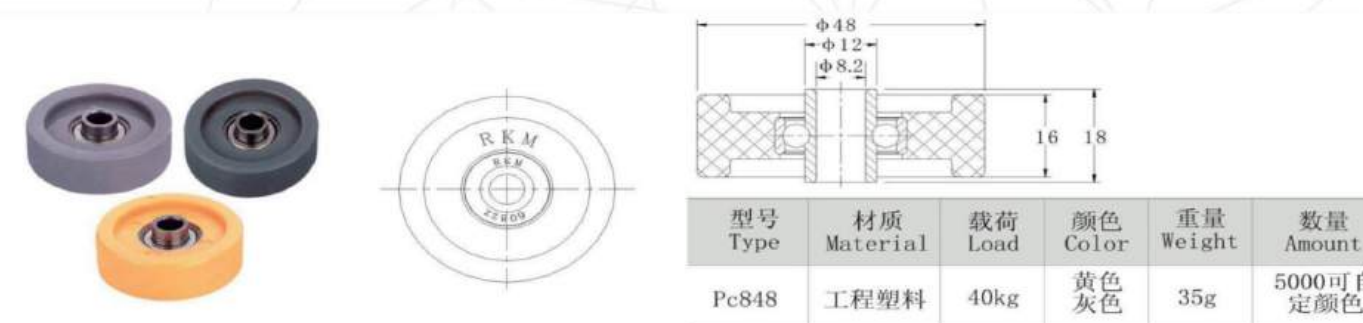
## Flow Rail



型号 MODEL	A	a1	A2	A3	A4	B	T	H	D	L1	L	支架材质
流利条	42	7	10.5	37.5	5	25	2	35	28	30	自定	铝材

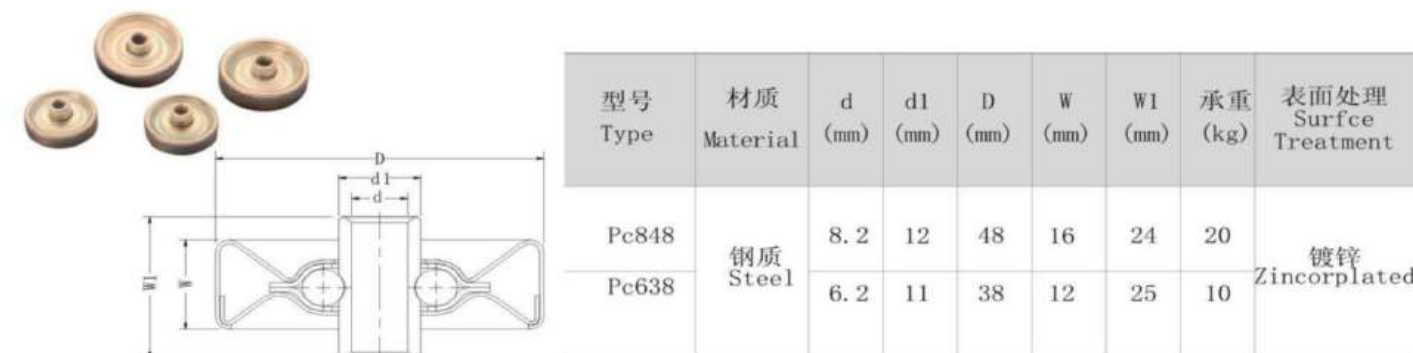
## Accessories

## Plastic Skate Wheel



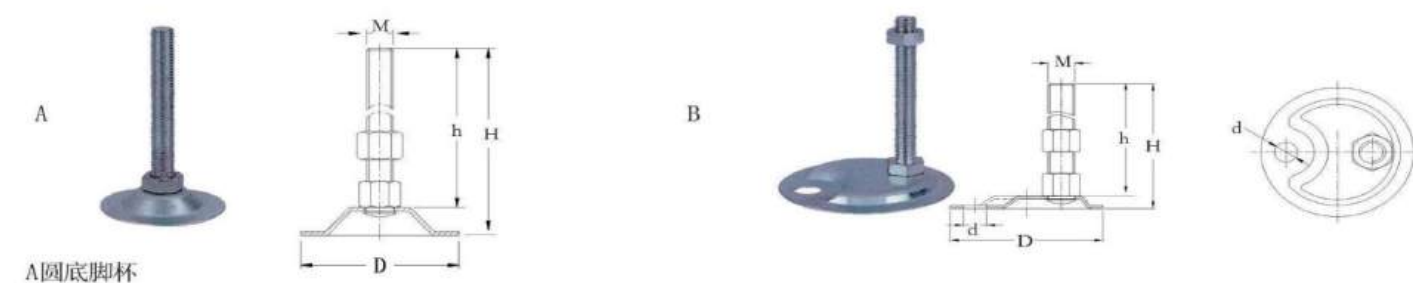
型号 Type	材质 Material	载荷 Load	颜色 Color	重量 Weight	数量 Amount
Pc848	工程塑料	40kg	黄色 灰色	35g	5000可自定颜色

## Zinc Plated Skate Wheel



型号 Type	材质 Material	d (mm)	d1 (mm)	D (mm)	W (mm)	W1 (mm)	承重 (kg)	表面处理 Surface Treatment
Pc848	钢质 Steel	8.2	12	48	16	24	20	镀锌 Zincorplated
Pc638		6.2	11	38	12	25	10	

## Adjustable Foot Cup

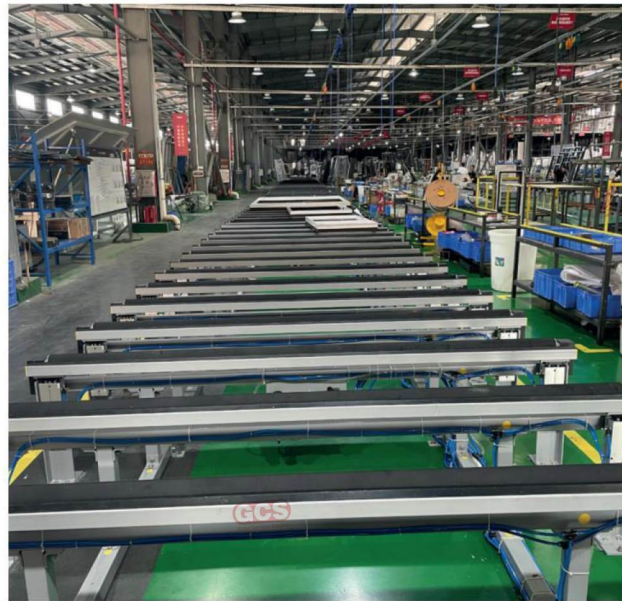


规格 Spec	底座 D	材质 Base Material	螺杆材质 Shaft Material	承重 (kg) load (kg)	表面处理 Surface Treatment	可调高度 h	高度 H	自重 (g) Weight
M12	62/72	钢质 Steel	A3/304	80	镀锌/镀铬 Zincorplated / Chromorplated	106	120	154
M14	62/72		A3/304	100	镀锌/镀铬 Zincorplated / Chromorplated	106	120	181
M16	62/72		A3/304	140	镀锌/镀铬 Zincorplated / Chromorplated	106	120	120



## GCS Conveyor Equipment Series

### Building Material



### Household Furniture Industry



### Industrial Production



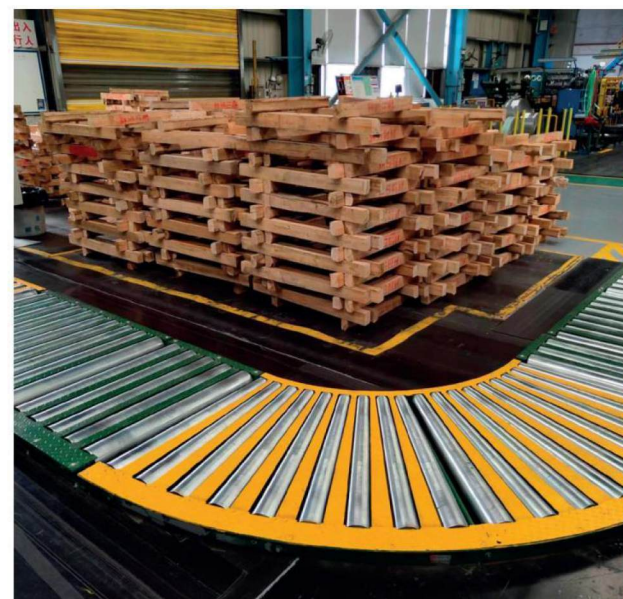
### Airport



### New Energy Industry



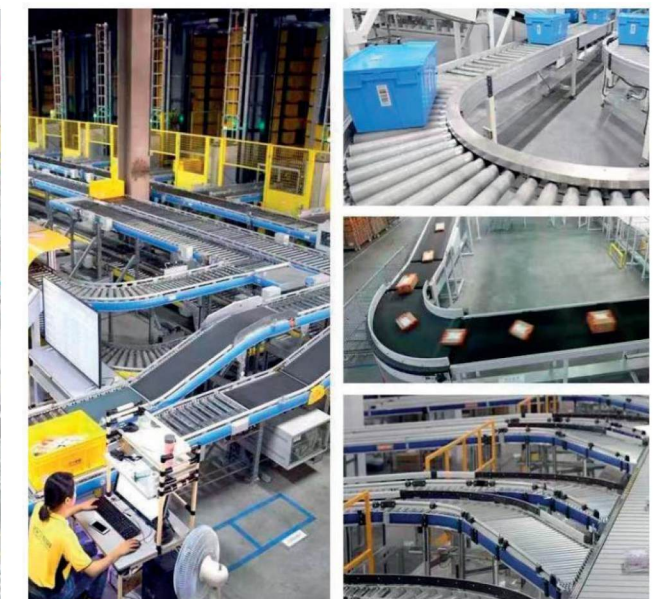
### Electrical Appliance



### Chemical Industry



### Logistics Industry





## GCS Conveyor Equipment Series

### Glass Production Industry



### Paper Industry



## PARTNERS



## COMPANY QUALIFICATION

### Workshop Area



### Packing and Shipment

