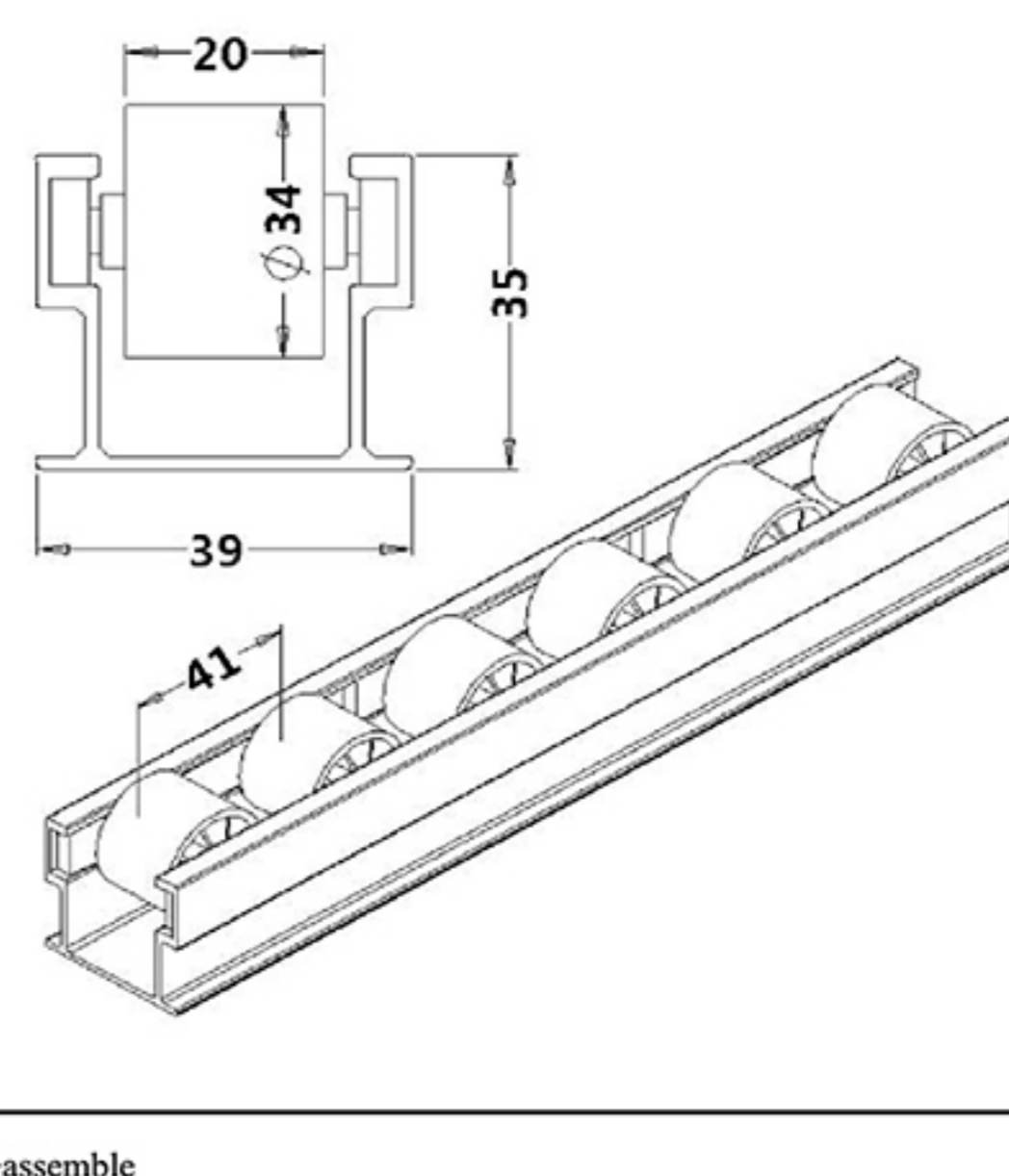


Product description :4 meters length,ESD wheel aluminum roller track

The specification of empty roller track		The specification of wheel		The height of roller track	Weight		
Length	4000MM	wheel Diameter	34MM	43MM	3.56KG/PC		
Wide	39MM	Wide	20MM				
Heigh	35MM	Thickness	2MM				
Package quantity	4 PCS						
Packing specification	4050*130*95MM						
The material of wheel	PP/PP+ESD						
The color of wheel	Yellow PP wheel/back PP wheel/ESD black wheel						
The requirement of chute thickness	The thickness of the plane is require in 1.6mm. The thickness of the structural beam is require in 2.5mm.						
Production technology	Extrusion+assemble						
Production process	Heating the aluminium ingot	Squeezing	Cooling	Cutting	Surface oxidization	Assemble the wheel	Package
	Electric heating machine	Extruding machine	Air cooling/wir cooling	Cutting machine	Oxidation pond	Assembly machine	PVC plastic bag

Raw material characteristics

The raw materil of aluminum roller track:6063-T5 aluminium ingot

6063-T5 aluminium ingot's chemical component

Elements	Mg	Si	Fe	Cu	Chemical	Cr	Zn	Ti	Al
Standard %	0.45-0.9	0.2-0.6	≤0.20	≤0.05	Composition	≤0.05	≤0.05	≤0.05	Rem.
Test Result %	0.501	0.372	0.07	0.0105	0.0115	0.0096	0.005	0.0225	Rem.


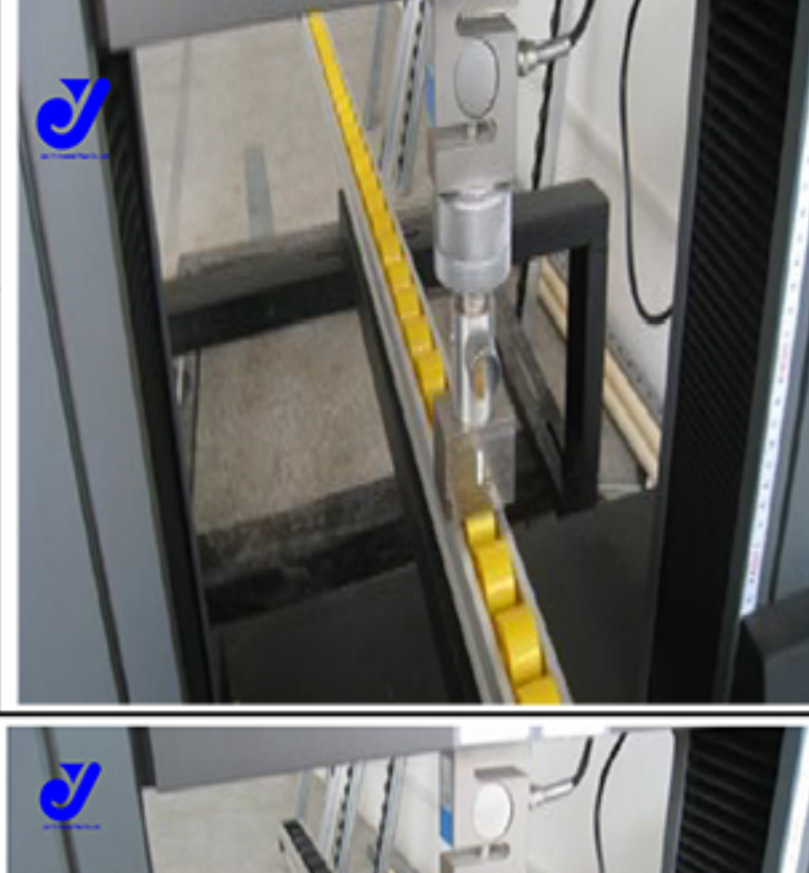

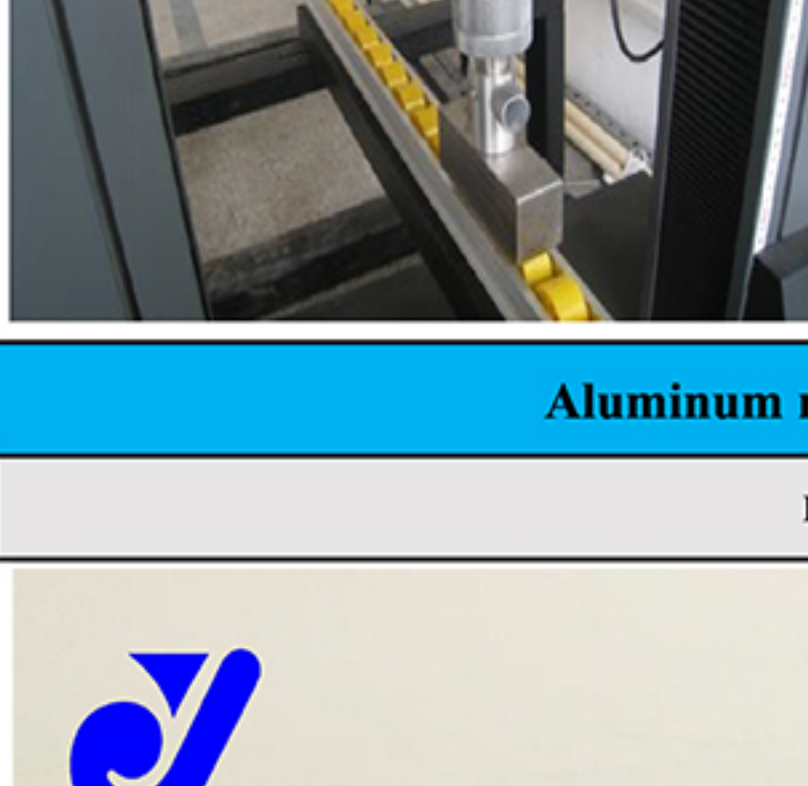
Mechanical properties of 6063-T5 aluminium ingot

Items	Tensile strength (Mpa)		延伸率	Hardness	
	极限	屈服	δ	维氏	韦氏
			Elongation (%)		
Ultimate(σ _b)	Yield(σ _{0.2})		Vickers (Hv)	Webster (Hw)	
Standard	≥160	≥110	≥8	≥58	≥8
Test Result	185	130	10	67	10
The raw material of wheel	NINGBO Formosa Plastics:No.3015 PP				

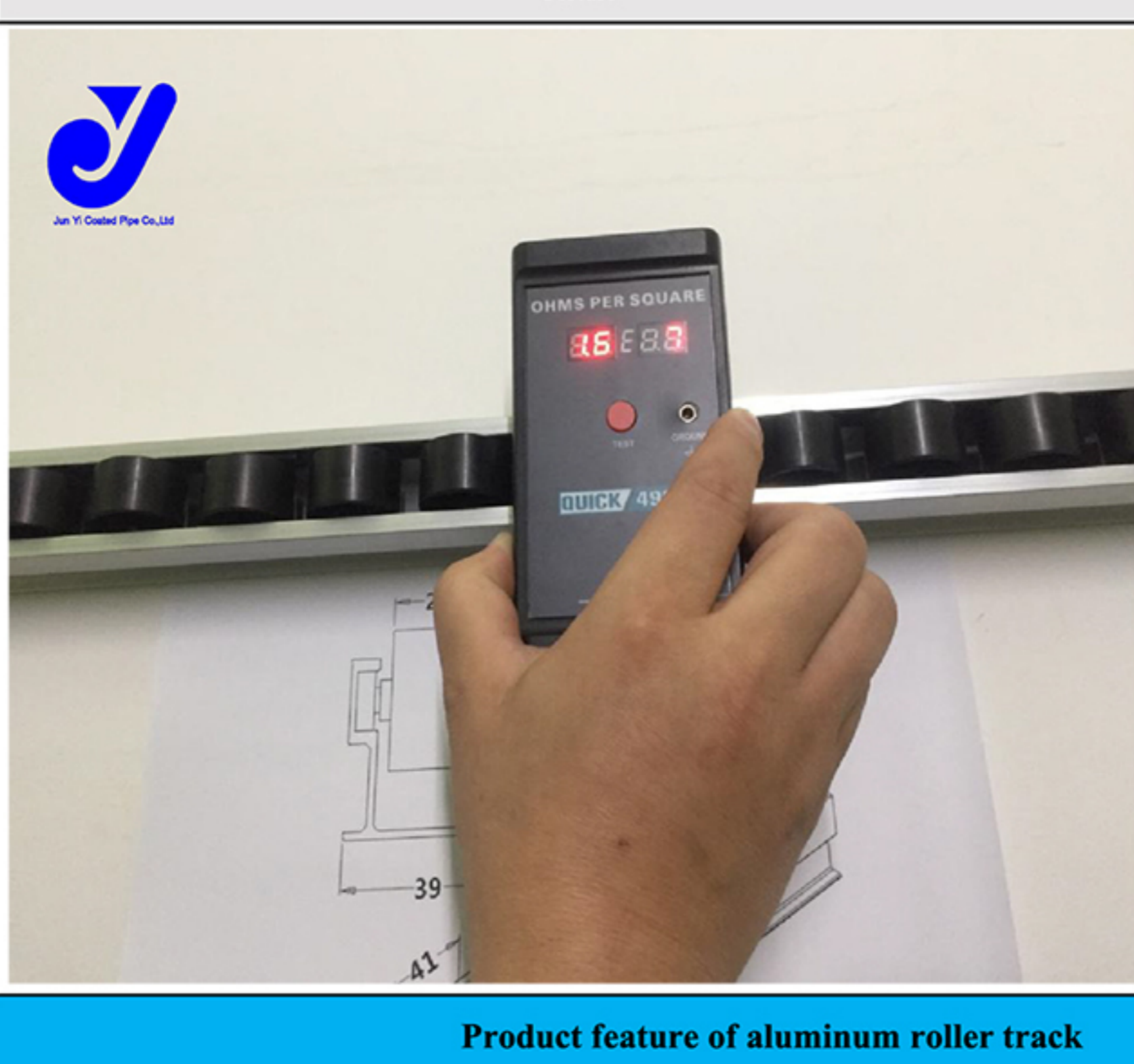
The 3015PP Material properties data

Capability item	Test condition	Test way	Test date	Test unit	
Basic characteristics	Melt flow rate	---	ASTM D-1238	2	g/10min
	Density	---	ASTM D-792	0.9	g/cm ³
Mechanical characteristics	Tensile strength at the yield point	---	ASTM D-638	250	kg/cm ²
	Elongation at break	---	ASTM D-638	450	%
	Rockwell hardness	---	ASTM D-785	95	R标尺
	Stiffness coefficient	---	ASTM D-790	11200	kg/cm ²
	IZOD Notched Izod impact strength	23°C	ASTM D-256	45	kg.cm/cm
	IZOD Notched Izod impact strength	-20°C	ASTM D-256	13	kg.cm/cm
Heat characteristics	Shrinkage	---	YCCI	0.5-1.7	%
	Ageing resistance	---	ASTM D-3045	> 500	Hours
	Combustibility	---	UL 94	HB	Grade(等级)
Heat Deflection Temperature	---	ASTM D-648	110	°C	

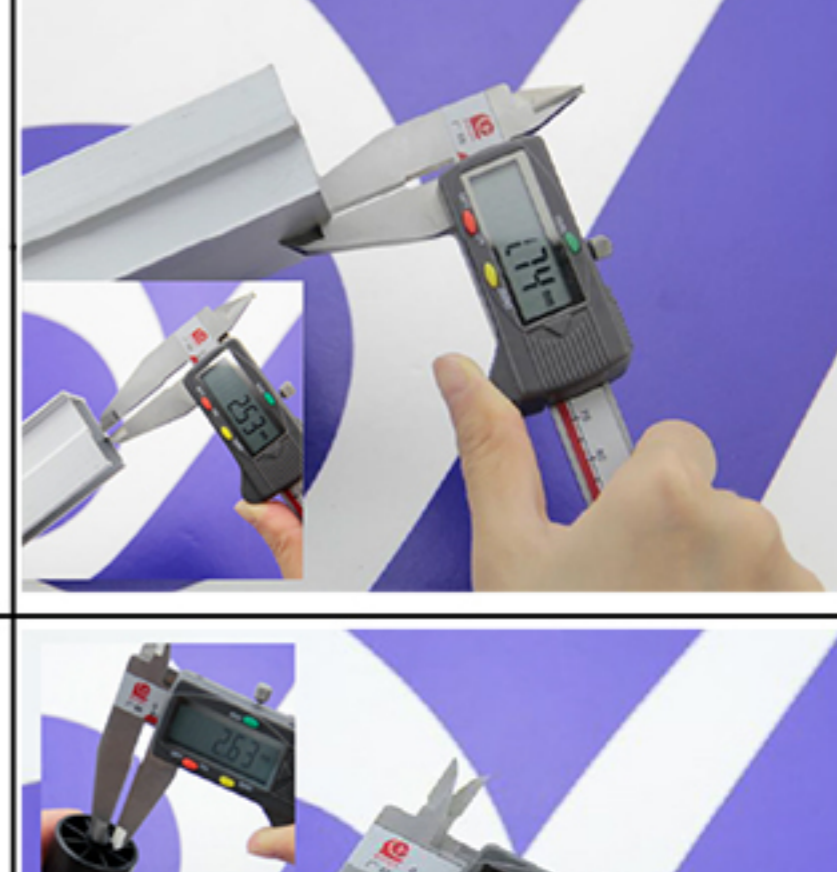

Aluminum roller track's pressure bearing performance table

Bearing pressure						
Test condition		Pressed depth <mm>	Pressure Speed <mm/min>	Test Length <mm>	Pressure <kgf>	Product status after testing
Empty chute		25	50	1000	204	Deformation,unable to rebound, no rupture.
Bearing pressure						
Test condition		Pressed depth <mm>	Pressure Speed <mm/min>	Pressure <kgf>	Product status after testing	
One wheel		11	50	143	The wheel broke and the adhesive tape was damaged.	
Double wheel		11	50	295	The wheel broke and the adhesive tape was damaged.	
Third wheel		11	50	407	The wheel broke and the adhesive tape was damaged.	




Aluminum roller track's ESD data performance table

Test product	Picture	Test equipment	ESD data performance
ESD wheel		Surface resistance tester	The aluminum roller track's anti-static index will be keep in 10 ⁶ -10 ⁹ .


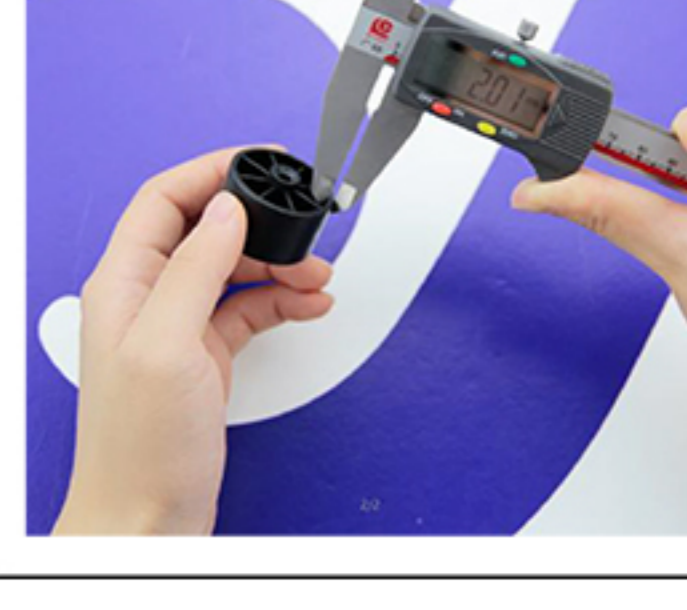
Product feature of aluminum roller track

Feature	Description	Function	Introduction
The design of load-bearing structure(chute)	The planer pivot and bearing support of aluminum roller track is T1.6MM and T2.5MM.	The design requirements of bearing capacity improve the bearing capacity of roller track.It is meet the use requirements of carrying capacity.	
The design of load-bearing structure(wheel)	Higher requirements were made for the wheels responsible for transportation and high frequency work. 1.The outer diameter of the center shaft of the wheel shall be 9.5mm,the thickness shall be 2.5mm. 2.The thickness requirement of the working face of the wheel is T 2.0mm.	The special design extends the service life of the wheel,increased wear resistance of the wheel and save the cost of replacement and maintenance.	

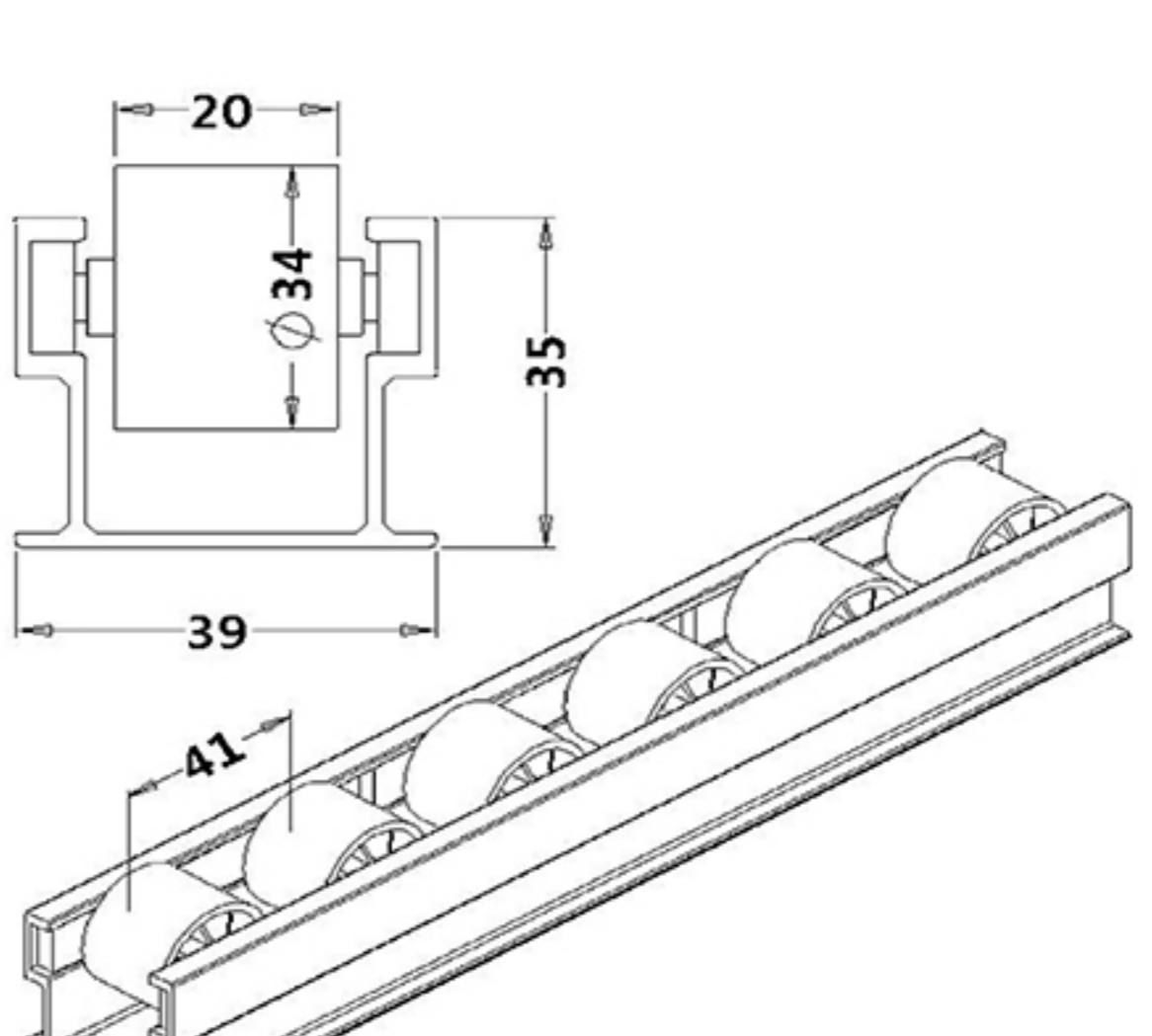
Aluminum roller track's pressure bearing performance table(铝滑轨承压能力性能表)

Bearing pressure (承压能力)						
Test condition (测试状态)		Pressed depth 压入深度 <mm>	Pressure Speed 下压速度 <mm/min>	Test Length 测力跨度 <mm>	Pressure 压力 <kgf>	Product status after testing 测试后产品状态
Empty chute (空滑槽)		25	50	1000	204	Deformation,unable to rebound, no rupture.(滑槽变形无法回弹, 无断裂)
Bearing pressure (承压能力)						
Test condition (测试状态)		Pressed depth 压入深度 <mm>	Pressure Speed 下压速度 <mm/min>	Pressure 压力 <kgf>	Product status after testing 测试后产品状态	
One wheel (单轮)		11	50	143	The wheel broke and the adhesive tape was damaged. (轮子破裂、胶条损坏)	
Double wheel (双轮)		11	50	295	The wheel broke and the adhesive tape was damaged. (轮子破裂、胶条损坏)	

Product feature of aluminum roller track铝滑轨系列产品特点

Feature(特点)	Description(描述)	Function(功能)	Introduction(介绍)
The design of load-bearing structure(chute) 承重结构设计(滑槽)	The planer pivot and bearing support of aluminum roller track is T1.6MM and T2.5MM. (铝滑轨的平面支点和承重支设计为: T1.6MM和T2.5MM)	The design requirements of bearing capacity improve the bearing capacity of roller track.It is meet the use requirements of carrying capacity. (承重的设计要求, 提高滑轨的承载力, 满足承载力的使用要求。)	
The design of load-bearing structure(wheel) 承重结构设计(轮子)	Higher requirements were made for the wheels responsible for transportation and high frequency work. 1.The outer diameter of the center shaft of the wheel shall be 9.5mm,the thickness shall be 2.5mm. 2.The thickness requirement of the working face of the wheel is T 2.0mm. (对负责运输和高频率工作的轮子做了更高的要求: 1、轮子的中心轴外径要求为: 9.5MM、厚度要求为: T 2.5MM. 2、轮子的工作面厚度要求为: T 2.0MM)	The special design extends the service life of the wheel,increased wear resistance of the wheel and save the cost of replacement and maintenance. (特殊的设计延长了轮子的使用寿命, 提高了轮子的抗磨损程度, 节约了后期的更换和维护成本。)	

Product description :4 meters length,ESD wheel aluminum roller track (产品描述:4米长防静电轮子的铝滑轨)

The specification of empty roller track (空滑槽规格):		The specification of wheel (轮子规格)		
Length(长)	4000MM	Diameter(直径)	34MM	
Wide(宽)	39MM	Wide(宽度)	20MM	
Height(高)	35MM	Thickness(厚度)	2MM	
The height of roller track (滑轨高度)	43MM	Weight(重量)	3.56KG/PC	
Packing specification (包装规格)	4050*130*95MM (包)	Package quantity (包装数量)	4 PCS	