

Escalator Handrail Belt



- The factory was established in 2004- a professional manufacturer of escalator handrail.
- The largest domestic handrail manufacturer in southern China, with an annual production capacity of 800,000 meters.
- 20 automatic 4m vulcanization production lines.
- Supply for Schindler, Mitsubishi, Kone, Otis, etc., customers worldwide.
- According to the different needs of customers, two materials-rubber and polyurethane are available for free choice.

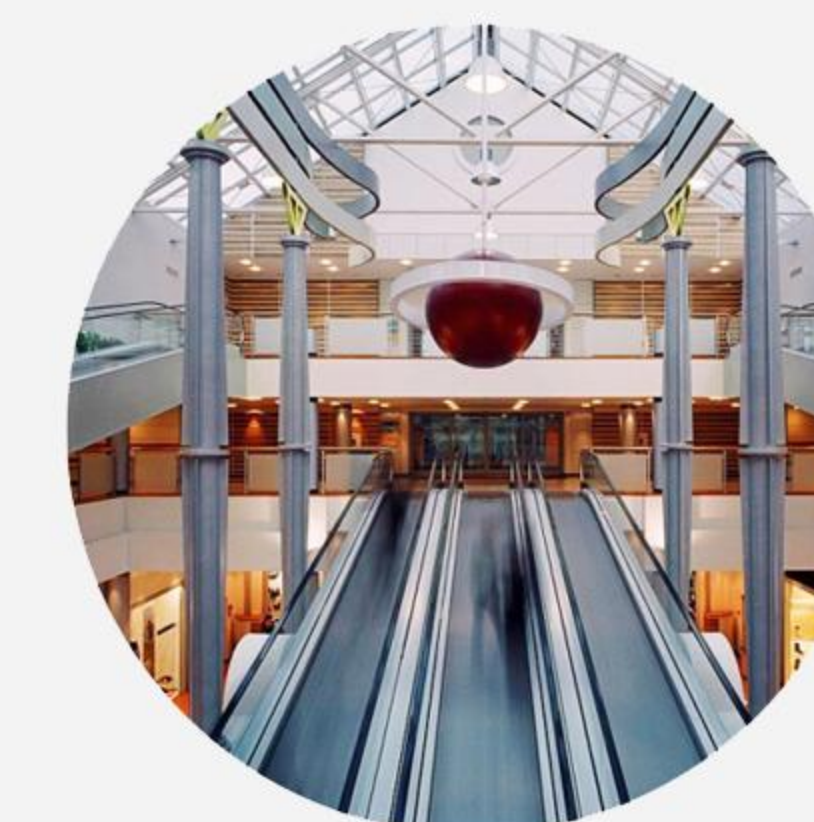
01/Our Certificates



02/Case Show



Shopping center
"Aura" Novosibirsk



Latvia shopping mall
DOMINA

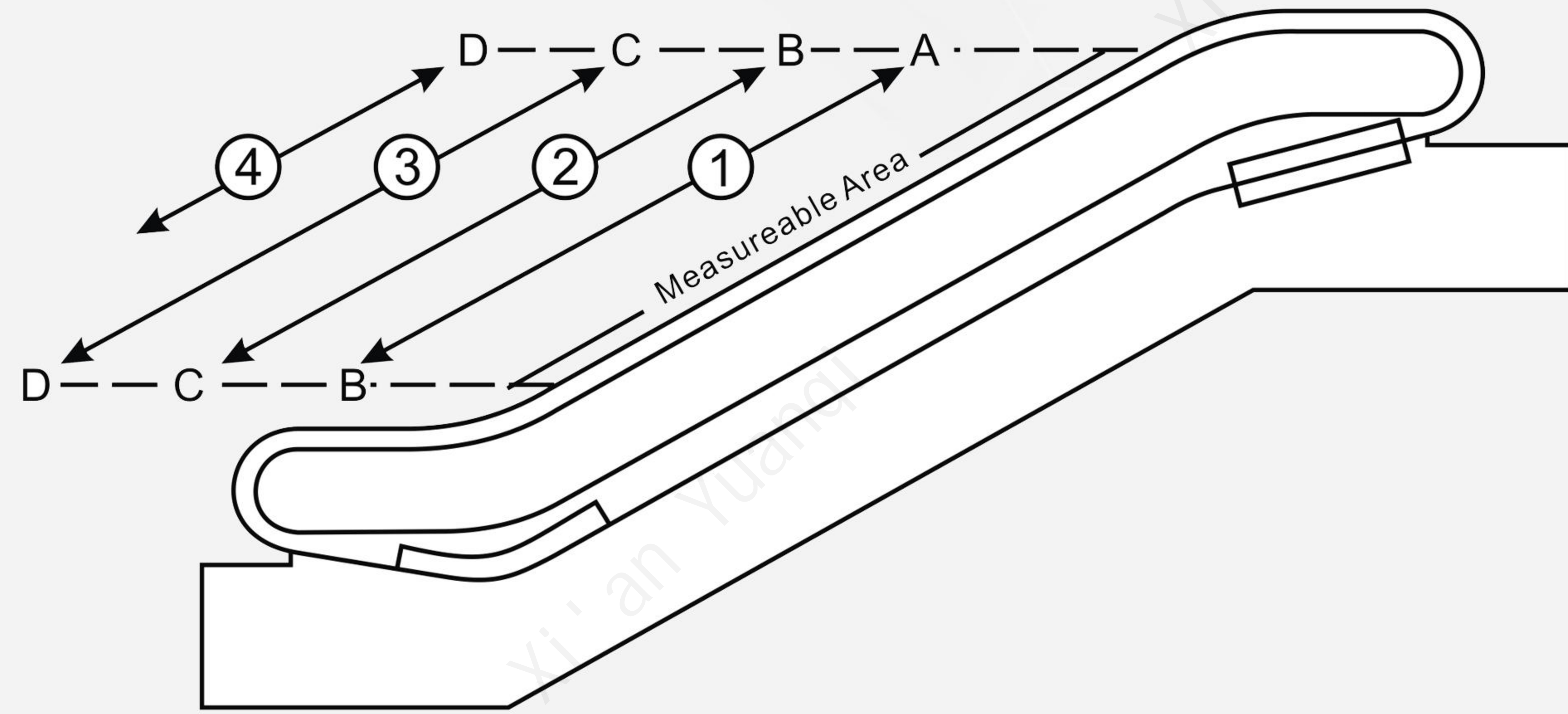


Egypt Metro

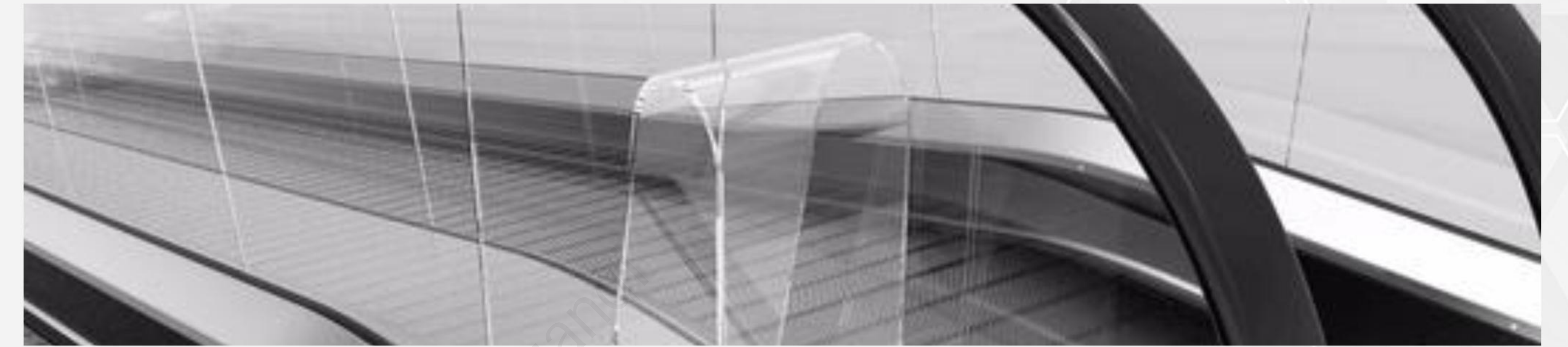


Shopping center
Prince Plaza Moscow

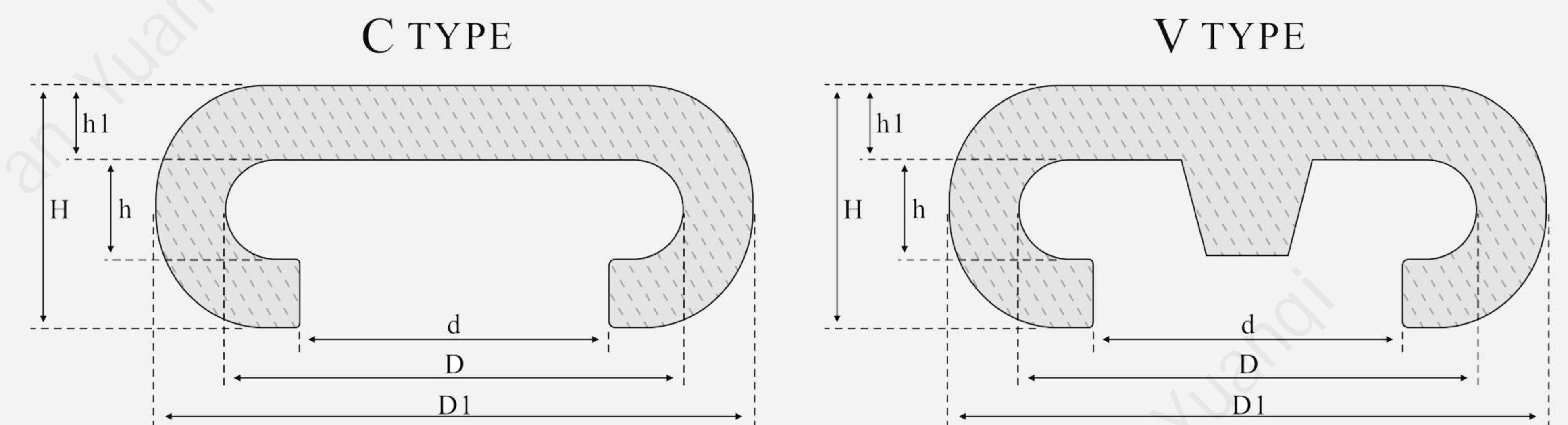
03/Measuring Instructions



- Place your start mark on the incline of the handrail. On an up unit, the starting mark will be at the top (A) and the measurements will be at the bottom measuring up the incline.
- Place your next mark at the other end of the incline (B) and measure the distance between the two marks.
- Once you have recorded your first measurement, rotate the escalator so as to take another measurement down (or up) the incline.
- Repeat Step 3 (usually 3 times) until the start mark reappears.
- Measure the distance between your last mark and the start mark (D & A) and add to your other measurements (1, 2, & 3) to obtain the total handrail length.



04/Dimensions of Handrail



Type/Size/Code		Mouth Width(d)	Inner Width(D)	Total Width(D1)	Inner High(h)	Top Thickness(h1)	Total High(H)
Schindler Fuji	SWE	33+3-1	62±1	82±1	12±0.8	12±1	34±1
	SDS	39+3-1	62+1	80±1	10.6±0.8	9.5±1	28.5±1
Otis ThyssenKrupp Sigma	OTIS	38+2-1	64±1	82±1	16.5±0.8	9.5±1	35.5±1
	OTIS-800	39+2-1	60±1	76±1	9.5±0.8	10±1	28±1
Mitsubishi	J	41+2-1	62±1	80±1	10±0.8	9.2±1	27±1
Hitachi	GRF	41+2-1	63±1	80±1	10.6±0.8	10±1	27.5±1
	GRF-1	40+2-1	63±1	82±1	11.5±0.8	10.4±1	31.7±1
GW	XF	35+2-1	64±1	82±1	14±0.8	12±1	35±1
Hyundai	W-BT2	40+1-0.5	64±0.5	80±0.5	12±0.5	10+1-0.5	30±0.5
	W-BT3	39.6+2-1	63.5±1	79.3±1	10.6±0.8	10.4±1	28.4±1
LG	LG	39.5+2-1	63.5±1	82±1	12.5±0.8	12±1	33±1
	LG-1	42+2-1	64.5±1	82±1	16.5±0.8	12±1	36±1
	LG-2	36+2-1	62±2	86±2	12	12±1	32±1
Fujitec	STD	40+2-1	63+2-0	80+0-1	10+1.5-0	10+0-1	28.5+0-1
ThyssenKrupp	FT-300	40+3-1	68-2	88+4-2	15±1	12	35±1
Kone	ECO-3000	37.5+2.5	62.8+1.5	79.2+2.5	10.6±0.5	9.5+1-0.5	28.2+1.5-1
	HD560359	42±1.5	68±1	88±1.5	15±1	10±1	35±1
	HD967826	42±1.5	68±1	88±1.5	15±1	10±1	35±1
	PTK2146675	37.5-1.5	62.8+1.5	79.2+2.5	10.6±0.5	9.5+1-0.5	28.15+1.5-1

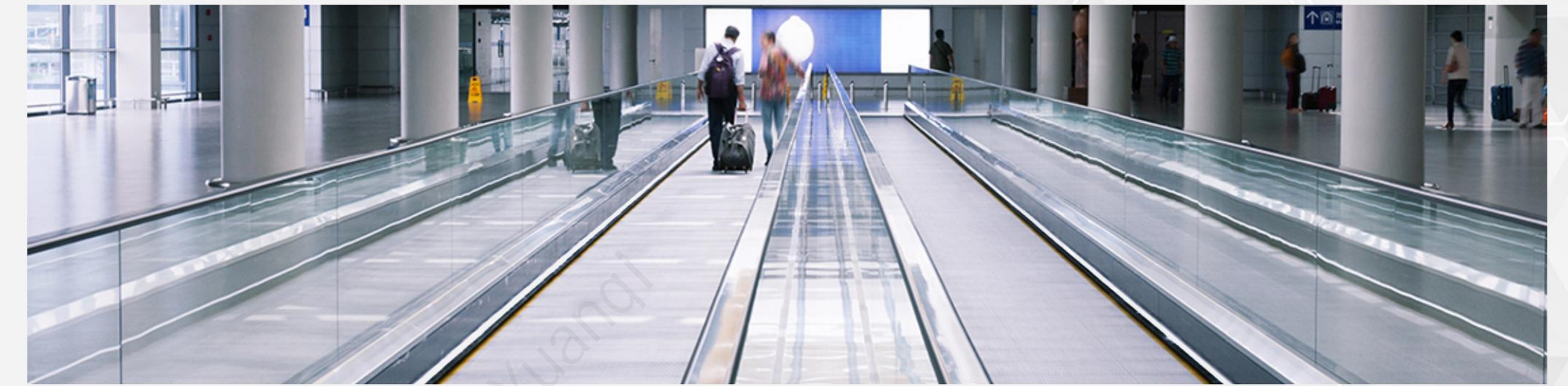
05/Handrail Colour



06/Standard Colour



■ Support colour customization.



07/Steel Cable Layer&Surface Layer Material Selection

Operating conditions such as outdoor, extreme temperature, heavy concentrations ozone, and constant running will affect the life span of the handrail. Choosing the appropriate material and layer will improve the duration of the handrail.

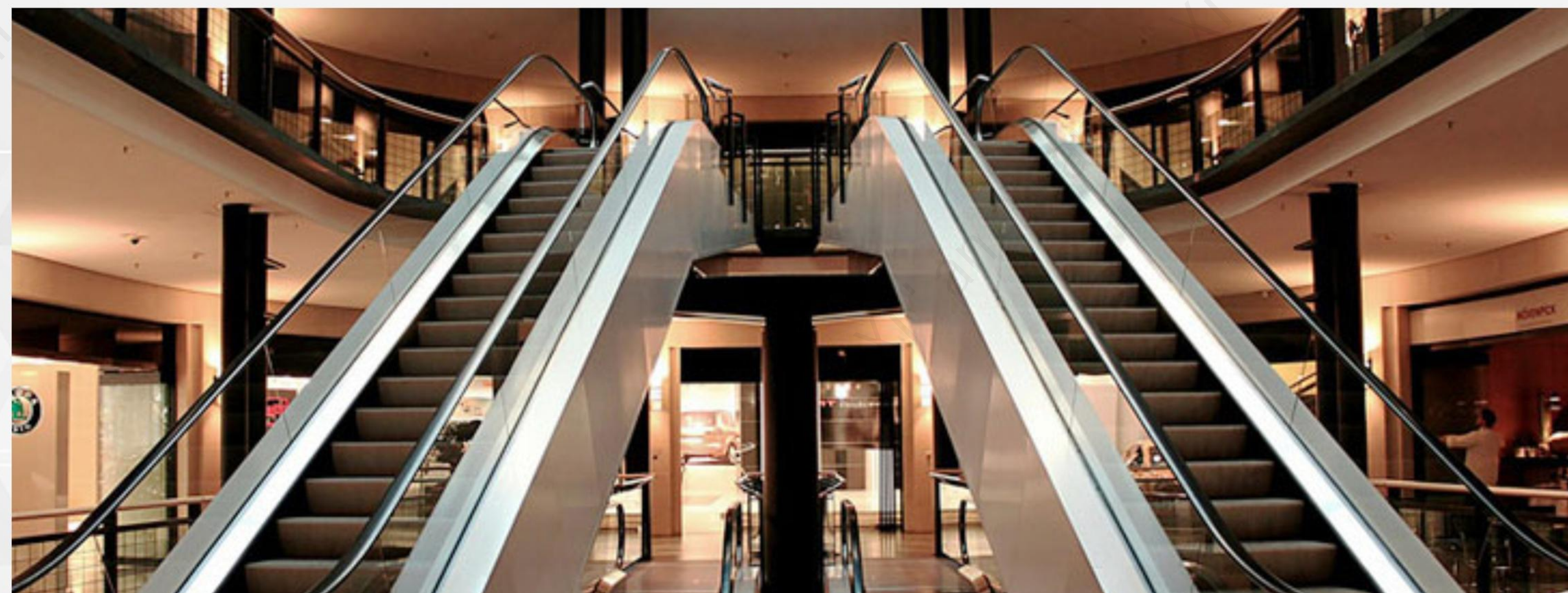


Environmental Conditions	Indoor	Semi-outdoor	Outdoor	Outdoor (Tropical)
Application	Department Stores, Supermarkets	Stations with canopies, air passages, subways	Open Subway Entrance and Overpass	Outdoor in High Temperature and High Humidity Environment
Impact of Climate on Handrails	Small	Large (ozone, high temperature causes rubber aging)	Very Big (UV, ozone, precipitation, high temperature causes rubber aging)	Great (UV, ozone, precipitation, high temperature causes rubber aging)
Ambient Temperature	+12 ° C / +35 ° C	-18 ° C / +43 ° C	-18 ° C / +43 ° C	-18 ° C / +43 ° C
Humidity	75% at +35 ° C	100% at +43 ° C	100% at +43 ° C	100% at +43 ° C
Face Glue Material	SBR or CSM	SBR or CSM	SBR or CSM	CSM
Sliding Layer Material	Cotton or Nylon	Nylon	Nylon	Nylon

Sliding Layer Material	Cotton	Nylon (Tropical)
Applications	Can Only Be Used Indoors, No Water Can Enter The Sliding Layer	Outdoor, Public Transportation Stainless Steel, Galvanized Steel
Adapt to Friction Noise of Rail Material	Stainless steel, galvanized steel, plastic	Stainless Steel and Galvanized Steel Sheet for Public transportation
Friction	Big	Ordinary
Noise	Small	Ordinary
Wear to Rails	Small	Big
Fabric Overlap	Endless handrails with 1 or 2 connectors, reels may be	Sliding Layer Is Cut Diagonally, Need to Overlap Every 2 Meters

08/Physical Performance & Standards of Handrail

	Property Name	Unit	Target
Overlaid Glue Film	Tensile Strength	Mpa	≥12
	Elongation At Break	%	≥350
	Performation After Break	%	≤20
	Hardness	Shore Hardness	75±5
	Resistance-temperature	°C	≤-30
	Abrasion Loss	Cm ³ /1.6km	≤0.28
	Rate	70°C × 72h	≥0.75
	Bending Times	Times	No Cracks After 100000 Times
	Anti-ozone Performance	50PPhm 200PPhm 96h 40°C Stretch20%	0 Level
Proofings	Adhesion Intensity	KN/M	≥5
Finished product	Tensile Strength	KN	≥25
	Grip Strength of Handrail Lips	N	≥50



09/Handrail Splice Mould & Controller

Our engineers have developed the most sophisticated and versatile field splicing equipment on the market, and provide free technical training.

Aluminum Type

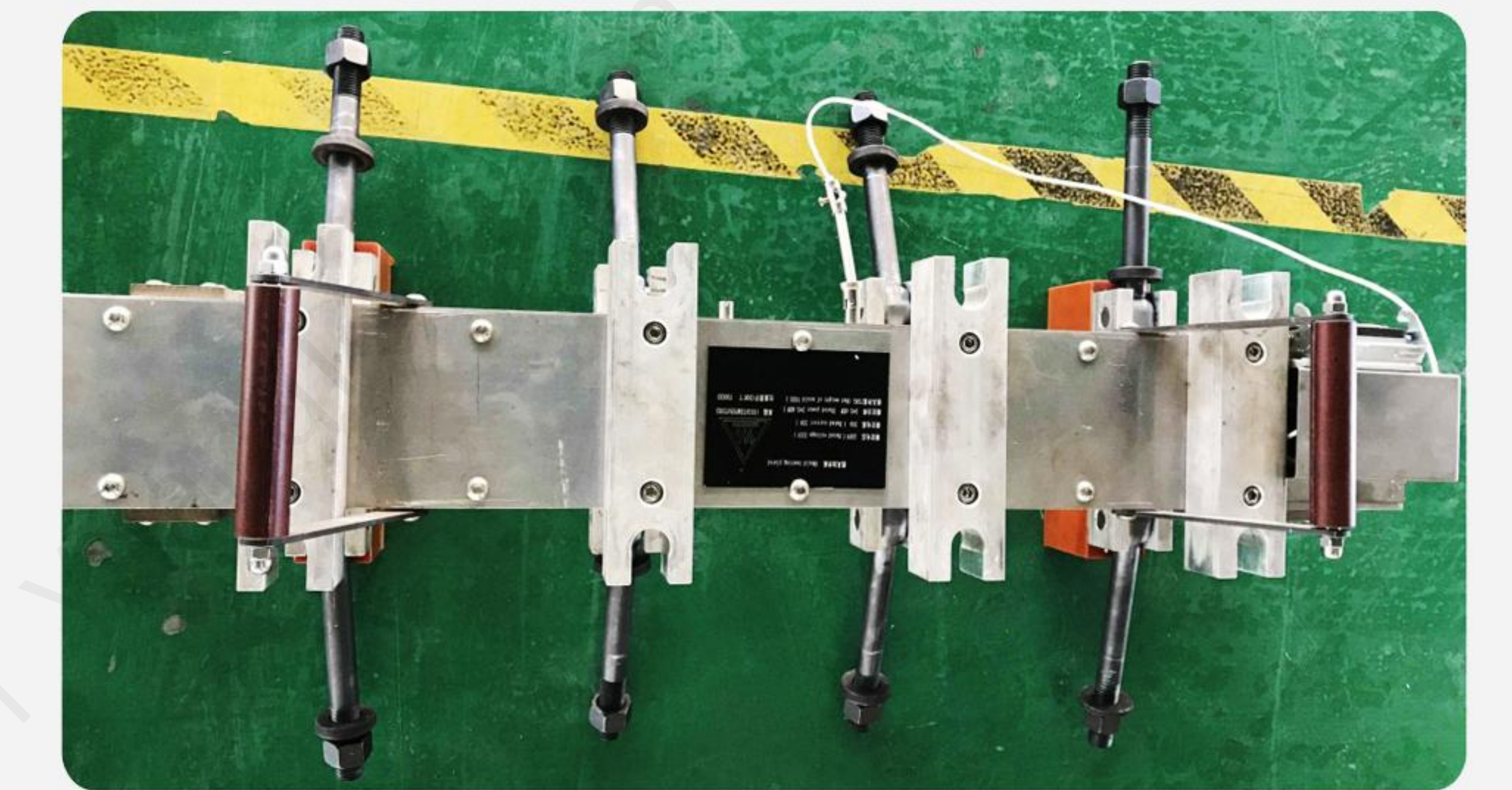
Advantage - Low weight, easy to carry.

Disadvantages - Soft and easy to be deformed after frequent use.

Stainless Steel Type

Advantage - Durable.

Disadvantage - Weight about 75 KG, not easy to carry.



Use heating plate is easier to control temperature, so that handrail can be heated evenly instead of heating rod.

Offer a technical support professionally to customers.

Handrail Installation Tool

This specialty tool makes quick and easy work of handrail removal and installation.

Made of high-grade structural steel, the tool is an essential piece of equipment designed to protect handrail slider from damage.



10/Different Handrail Joint Types

Rubber or polyurethane handrail can be customized according to different requests.

01 . EL (Endless, Ring Type)



Applicable to the accurate length of handrail.
Can be installed directly, no need vulcanization.

02 . EO (One End Open Type)



Applicable to without accurate length of handrail and need to rechecked on site.
One pole vulcanized, the other pole unvulcanized, need to be cut and vulcanized on site with splicing machine.

03 . BO (Both End Open Type)



Applicable to the accurate length of handrail, but need to vulcanize both poles on site with splicing machine.

04 . OV (Two Ends Vulcanized)



Applicable to no accurate length of handrail yet. Both poles need to be vulcanized on site with splicing machine after the length cut per exact request.

