

EHC GLOBAL

About EHC

*“EHC Global takes great strides to
set examples in sustainability.
Ask us about recycling options.”*



www.ehc-global.com

Creating products
that are reflections of
excellence.



Global Locations

- Australia
- Austria
- Barbados
- Brazil
- France
- Hungary
- Israel
- Italy
- Japan
- Mexico
- Netherlands
- Poland
- Portugal
- Singapore
- South Africa
- South Korea
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom
- United States
- Venezuela

Manufacturing Facilities

- Canada
- China
- Germany

Design and manufacturing experts.

Launched in 1977, EHC is a privately owned Canadian company with more than 20 service locations around the world. EHC manufacturing facilities are ISO9001 and ISO14001 certified.

EHC's Head Office in Canada developed the world's first recyclable escalator handrail that features built-in antimicrobial properties and the ability to display custom graphics.

At our Engineered Polymer division in China, EHC develops custom urethane products for many industries including automotive.

Growth in the scrap metal industry has spawned an increased demand for radiation detection equipment. EHC has partnered with RadComm, a world leader in detection equipment to manufacture and market in Asia.

To meet customer production and lead-time objectives, EHC relies on its world class Enterprise Resource Planning (ERP) system. EHC's ERP system increases efficiency, and improves service through controlled and accurate planning.

EHC reinvests 5% of annual revenues into research and development and it is EHC's commitment to escalator safety and engineering excellence that led to the development of D-Flector Safety Brush, a gentle reminder to passengers to avoid dangerous side-step entrapments.

EHC GLOBAL

Ordering

*"Need Help? Email us at
info@ehc-global.com."*



Handrail Order Form

Customer Name:	Order Date:
Purchase Order #:	Contract or Service Order #:

Billing Address:	Ship Address:	<input type="checkbox"/> Same as billing address
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Ship Via: ☐ SOS ☐ Ground ☐ Air Overnight ☐ Ocean

Requester's Name:	Telephone #:
Title:	Fax #:
Signature:	Email Address:
Comments:	Box Markings:

Please confirm my order by: ☐ Phone ☐ Fax ☐ Email

Escalator Model:	Ship Date:
Handrail Part #:	Location: <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor
# of Handrails / Length:	<input type="checkbox"/> Solid Balustrade <input type="checkbox"/> Glass Balustrade
@	<input type="checkbox"/> Black <input type="checkbox"/> Color:
@	<input type="checkbox"/> Black <input type="checkbox"/> Color:
@	<input type="checkbox"/> Black <input type="checkbox"/> Color:
Configuration:	<input type="checkbox"/> Endless <input type="checkbox"/> EHC Field Splice <input type="checkbox"/> Customer Field Splice <input type="checkbox"/> End Preparation

Motion Indicators: ☐ None ☐ Dots ☐ Diamonds ☐ Both

Dimensions: Spacing:

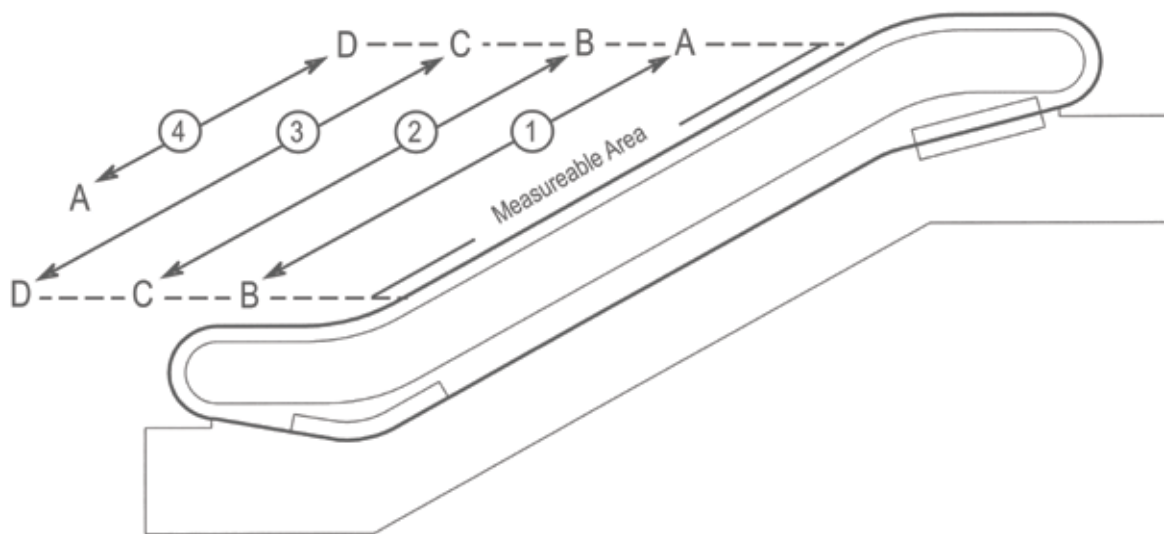
Handrail Cleaner:	<input type="checkbox"/> Trial Size <input type="checkbox"/> 12 oz. <input type="checkbox"/> 1 Gallon	Quantity:	<input type="checkbox"/> RapidRail Handrail Installation Tool
Handrail Polish:	<input type="checkbox"/> Trial Size <input type="checkbox"/> 12 oz. <input type="checkbox"/> 1 Gallon	Quantity:	

Send Order Form to: EHC

Region	Telephone	Fax	Email
Americas	(905) 432-3200	(905) 432-2906	wr-sales@ehc-global.com
Europe/Middle East	+49 (0)2401 91 60 11	+49 (0)2401 91 60 10	cr-sales@ehc-global.com
Asia Pacific	+86 21 69153031	+86 21 69153231	er-sales@ehc-global.com

How to Measure Your Escalator Handrails - Handrail Length

When measuring a handrail, it is critical that measurements are taken accurately. The following steps will help you when measuring an installed handrail.



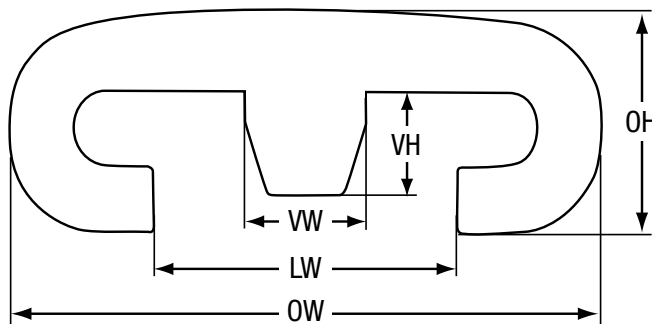
Measuring Instructions

- 1) 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.
- 2) Place your next mark at the other end of the incline (B) and measure the distance between the two marks.
- 3) Once you have recorded your first measurement, rotate the escalator so as to take another measurement down (or up) the incline.
- 4) Repeat Step 3 (usually 3 times) until the start mark reappears.
- 5) 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.

How to Measure Your Escalator Handrails - Handrail Width

Use the diagram and size chart below as a guide for determining the replacement requirements for your handrail style. If you need more help contact EHC. We can review your order history and help you.

Cross Section



LW- Lip Width
OW- Overall Width
OH- Overall Height
VW- Vee Width
VH- Vee Height

Handrail Style	Manufacturer	LW		OW		OH		VW		VH	
		Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
7500	Otis, Thyssen, Sumitomo, SJEC, CNIM	1 9/16	39	2 15/16	75	1 1/8	28				
7500V	Otis, Thyssen, Sumitomo, CNIM	1 9/16	39	2 15/16	75	1 1/8	28	5/8	15.5	1/2	13
7800	Montgomery, O&K, KONE, Hitachi, Thyssen, Mitsubishi	1 1/2	38	3 1/8	80	1 1/8	28				
7800V	Montgomery, O&K, KONE	1 1/2	38	3 1/8	80	1 1/8	28	5/8	15.5	1/2	13
8000	Westinghouse, Hyundai, Fujitec, Mitsubishi, Dong Yang, Schindler, SJEC, Otis	1 9/16	39	3 1/8	80	1 1/8	28				
8100	Fujitec, LGIS, Hitachi, SJEC	1 5/8	41	3 1/4	82	1 5/16	33				
8100S	Schindler	1 5/16	33	3 1/4	82	1 5/16	33				
8300	Otis, Mitsubishi, Hitachi, Toshiba, Dong Yang, CNIM, Fujitec	1 9/16	39	3 1/4	82	1 3/8	35				
8300V	Westinghouse, Westmount, Houghton	1 9/16	39	3 1/4	82	1 3/8	35	5/8	15.5	11/16	18
8900	Montgomery, KONE, O&K, Thyssen, Vickers	1 11/16	42	3 1/2	89	1 3/8	35				

D-Flector Order Form

Customer Name:	Order Date:
Purchase Order #:	Contract or Service Order #:

Billing Address:	Ship Address:	<input type="checkbox"/> Same as billing address
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Ship Via: ☐ SOS ☐ Ground ☐ Air Overnight ☐ Ocean

Requester's Name:	Telephone #:
Title:	Fax #:
Signature:	Email Address:
Comments:	Box Markings:

Please confirm my order by: ☐ Phone ☐ Fax ☐ Email

Escalator Make:	
Escalator Model:	
Escalator Rise:	inches* mm*
Escalator Incline:	degrees
Type of Balustrade:	<input type="checkbox"/> Metal <input type="checkbox"/> Glass

Number of D-Flector Kits Required**:

Finish of Brush Holder: ☐ Silver ☐ Black

* If you do not know the exact rise of the escalator, fill out a D-Flector Field Survey Form to calculate the proper dimensions and submit with this order form.

** Use a new order form for any additional escalators that are not the same make, model and rise as indicated on this form.

Send Order Form to: EHC

Region	Telephone	Fax	Email
Americas	(905) 432-3200	(905) 432-2906	wr-sales@ehc-global.com
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Asia Pacific	+86 21 69153031	+86 21 69153231	er-sales@ehc-global.com

D-Flector Field Survey Form

Escalator Information

Location:

Manufacturer:

Model:

ID or Contract Number:

Total Number of Visible Steps:
(include each step partially hidden by
the comb as one full step - required to
calculate rise)

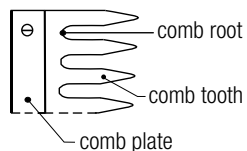
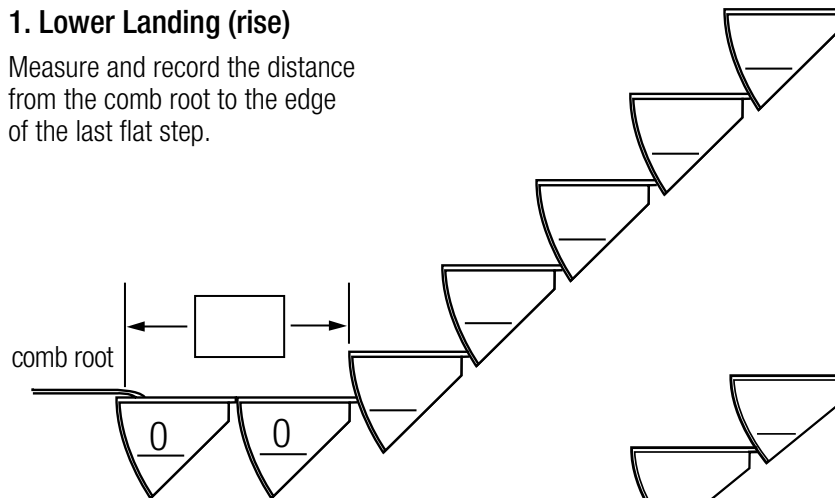
For assistance with this form,
call 1-905-432-3200 Monday to
Friday 8:00am to 4:30pm EST or
1-905-431-6103 after hours.

Measuring Landing Areas

Measure the step height from one step to the next and record the dimensions inside the step. For lower landing, measure the rise from the previous step. For upper landing, measure the drop from the previous step. Measurements should be within 1mm or 1/16 of an inch. (See example, bottom right.)

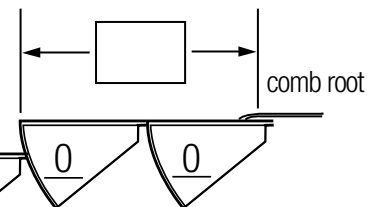
1. Lower Landing (rise)

Measure and record the distance from the comb root to the edge of the last flat step.



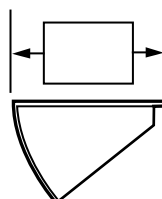
2. Upper Landing (drop)

Measure and record the distance from the comb root to the edge of the last flat step.

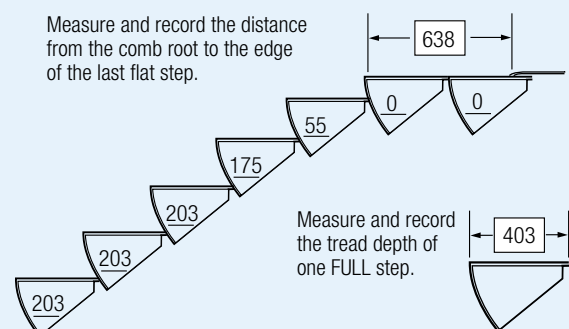


3. Step Width

Measure and record the tread depth of one FULL step.



Measure and record the distance from the comb root to the edge of the last flat step.



Measure and record the tread depth of one FULL step.

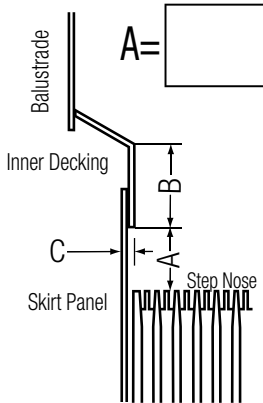
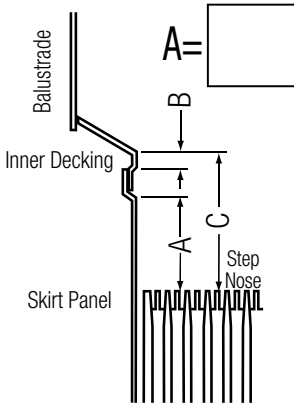
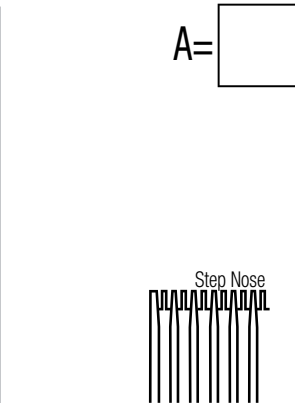
Example

D-Flector Field Survey Form (p. 2)

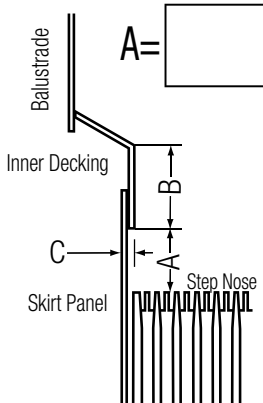
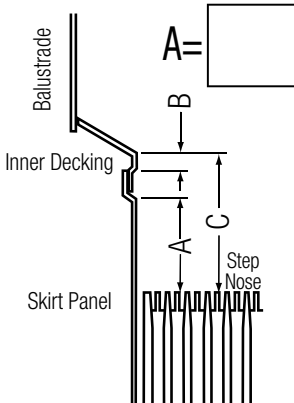
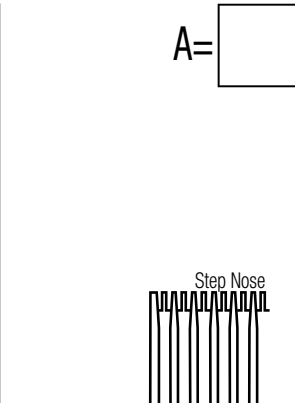
Skirt Panel Measurements

Choose the diagram that best resembles the escalator and document the dimensions measured vertically above the step nose. If none of the drawings resemble the skirting, sketch and document the dimensions in the space provided. (Dimensions within 1 mm or 1/16 inch.)

Landing Measurements

 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>	 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>	 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>
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Incline Measurements

 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>	 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>	 <p>A= <input type="text"/></p> <p>B= <input type="text"/> C= <input type="text"/></p>
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Materials

Balustrade:	<input type="checkbox"/> Glass	<input type="checkbox"/> Solid (i.e. metal)	<input type="checkbox"/> Other:			
Inner Decking:	<input type="checkbox"/> Steel	<input type="checkbox"/> Stainless Steel	<input type="checkbox"/> Aluminum	<input type="checkbox"/> Plastic	<input type="checkbox"/> Wood	<input type="checkbox"/> Other:
Skirt Panel:	<input type="checkbox"/> Steel	<input type="checkbox"/> Stainless Steel	<input type="checkbox"/> Aluminum	<input type="checkbox"/> Plastic	<input type="checkbox"/> Wood	<input type="checkbox"/> Other:

Polyurethane Rollers Order Form

Customer Name:	Order Date:
Purchase Order #:	Contract or Service Order #:

Billing Address:	Ship Address:	<input type="checkbox"/> Same as billing address
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Ship Via: ☐ SOS ☐ Ground ☐ Air Overnight ☐ Ocean

Requester's Name:	Telephone #:
Title:	Fax #:
Signature:	Email Address:
Comments:	Box Markings:

Please confirm my order by: ☐ Phone ☐ Fax ☐ Email

EHC Part #:	Quantity:
OEM Part #:	Unit Type: <input type="checkbox"/> Elevator <input type="checkbox"/> Escalator
Manufacturer:	Model:
Roller Type: <input type="checkbox"/> Door Hanger <input type="checkbox"/> Guide <input type="checkbox"/> Step <input type="checkbox"/> Other	

Size: <input type="checkbox"/> Inches <input type="checkbox"/> Millimeters	Outer Diameter:	Width:	Inner Diameter:
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Durometer:	Hub:
Bearing Type:	Notes:

Send Order Form to: EHC

Region	Telephone	Fax	Email
Americas	(905) 432-3200	(905) 432-2906	wr-sales@ehc-global.com
Europe/Middle East	+49 (0)2401 91 60 11	+49 (0)2401 91 60 10	cr-sales@ehc-global.com
Asia Pacific	+86 21 69153031	+86 21 69153231	er-sales@ehc-global.com

Artwork Specifications

Simple logos often make the most effective ADRail™ campaigns. Bright colours and bold accents make the most visually appealing DecoRail™ designs. Our four colour process printing allows for a wide variety of creative options. Please avoid the use of light colour backgrounds as handrails may accumulate residue from constant contact of escalator passengers. Use these products to transform your escalator into moving works of art.

Design Workspace (Parameters):

Artwork is printed endless and virtually seamless. For optimum visual effect, ensure design will transition smooth when artwork repeats.

Centre Area (60mm):

Primary Visual Elements.

Side Area (30mm):

Secondary Visual Elements. Visible from several angles.

Bleed Area (16mm):

Extend Background. Avoid Text.

Colour Matching:

Pantone numbers should be supplied for specific spot colour matching. For critical colour matching, a print proof should be submitted.

Design Template (Adobe Illustrator):

To obtain a template for assistance with design, contact your distributor.



Artwork Specifications:

Dimensions: 152mm x Up To 2000mm

File Formats: .eps, .ai, .pdf, .tif

Fonts: Embed & convert all fonts to outlines or curves.

Images: Embed all images & convert to CMYK (300dpi)

Submit Artwork:

www.ehc-global.com/uploader

For more information, please contact your EHC distributor.

Artwork Specifications

Permanent branding solutions offer style and safety in the hands of millions of escalator passengers. For the best results use clear and concise design elements. Four colour printing allows for a wide variety of design possibilities, while our processing techniques permanently bond brands to NT handrails. Use bright colours and bold fonts to enhance your brand or message and capture the audience. Permanent brands can be applied to AMRail™ or ColourRail™.

BrandRail™:

Strategically target high volume locations and put your logo or message into the hands of consumers - permanently!

SafeRail™:

We offer a wide selection of preconfigured safety symbols and messages to choose from, or you can simply design your own to meet specific site criteria.

MotionRail™:

Motion indicators assist with heavy traffic flow in dense areas. Available in an assortment of shapes and colours, motion indicators advise passengers of escalator speed and direction - ensuring they step safely.

Colour Matching:

Colour references or a print proof should be supplied for specific spot colour matching. Brands are subject to shade variance from underlying handrail colour.

Spacing:

The quantity of brands applied to an individual handrail is determined by handrail length. Typical spacing is one brand every 500mm.



Artwork Specifications:

Dimensions: 55mm x 130mm

File Formats: .tif, .jpg, .png, .eps, .ai, .pdf, .svg

Fonts: Embed & convert all fonts to outlines or curves.

Images: Embed all images & convert to CMYK (300dpi)

Submit Artwork:

www.ehc-global.com/uploader

For more information, please contact your EHC distributor.

EHC GLOBAL

D-Flector

"Our flexible brush allows for quick installation, and easy maintenance."



What is D-Flector?

EHC's D-Flector brush has been designed to stringent quality and safety specifications and is suited to a wide range of escalators and moving walks, while meeting global escalator safety code requirements. D-Flector installs in less than half the time of other deflector devices because of its revolutionary flexible brush spine. This flexible spine also allows for easy removal for regular maintenance of the escalator.

Features and Benefits

- D-Flector meets escalator safety code requirements around the world including A17, EN115 and B44.
- Small profile ensures a sleek, unobtrusive appearance.
- Flexible spine allows for simple installation and escalator maintenance.
- Installs in half the time of other deflector devices, saving you time and money.
- Light weight for reduced shipping and handling costs.



Components

EHC's D-Flector kits consist of four primary components:



Brush Holder

- Tough aluminum construction
- Available in silver or black



Brush Section

- Flexible plastic brush slides easily into the brush holder
- Easy removal and insertion of the brush section improves the ease of maintenance



End Caps

- Durable, black plastic
- Secured by tamper proof screw and alignment tab



Alignment Insert

- Bridges section ends to help ensure perfect alignment
- Slotted to aid installation

D-Flector Performance Specifications

1.0 Brush Holder

General Criteria	Specified Value
Base Material	6060 T5 Aluminum
Corrosion Resistance Surface Finish	Anodized 0.005 mm +/- 10%
Colour	Clear (Silver) or Black
Section Length	3000 mm +/- 2 (Custom lengths also available)
Weight / Meter	0.40 kg (0.87 lb)
Supply of Curved Sections	Supplied pre-bent to predetermined radii and arc
Target Installation Time	Target is 8 labour hrs (expressed in labour hours per 4.5 meter rise unit)
Deflection	Meets min specified by A17 & EN115 code

2.0 Brush Section

General Criteria	Specified Value
Spine Material	ABS
Supply of Curved Sections	Bends easily on site to conform to brush holder
Moisture Resistance	Good
Length	3000 mm +/- 2
Flexural modulus, spine	2,137 Mpa 310,000 psi
Flame class rating	UL-94 HB (Spine) UL-94 V2 (Filaments)
Bristle Material	Nylon Resin
Pull Force	36 - 53 N (8-12 lb)
Bristle Deflection	Meets min specified by A17 & EN115
Abrasiveness	Reduced by flagging of bristle tips
Bristle Length	41.1 mm +/- 0.5
Bristle Diameter	0.3 mm +/- 10%
Bristle Style	Straight, flagged at one end 8 mm +/- 2
Colour	Black
Melting Point	210-224°C
Heat Distortion Temperature	121°C
Resistance to Hot Water	Fair to Good
Resistance to Petroleum Distillates	Excellent
Resistance to Benzene Aromatic Hydrocarbons	Good
Resistance to Acetone & Ketones	Good
Resistance to Ethyl Acetate Esters	Good
Resistance to Trichlorethylene Hydrocarbons	Good

D-Flector Performance Specifications

3.0 End Caps

General Criteria	Specified Value
Base Material	Nylon Resin
Surface Finish	Injection molded
Colour	Black
Dimensional Detail	As per technical drawings
Flame Class Rating	UL -94 V2

4.0 Alignment Inserts

General Criteria	Specified Value
Base Material	ABS
Method of Attachment	Pinned by brush holder fastener at each end
Colour	White
Dimensional Detail	As per technical drawings
Flame Class Ratings	UL-94 HB

5.0 Fasteners

General Criteria	Specified Value
Screw Diameter	4 mm +/- 0.05
Length	12 mm +/- 0.05
Head Diameter	7.5 mm +/- 0.05
Head Type	Philips (pozi-drive) flat head
Countersink Angle	90 degrees
Threads	Trilobal thread forming
Material	Steel
Coating	Zinc plated
Corrosion Resistance	36 hour salt spray
Skirt Material Compatibility	Aluminum, stainless steel, bronze
Colour	Gray metal

EHC GLOBAL

RiteLine™ Rollers & Roller Guides

*“Escalator and elevator rollers,
built to specification. Whatever
you need, we’ve got it.”*



Polyurethane Rollers

One size does not fit all. Ask us about custom rollers.



UltraTred™

Premium Wear Resistance:
Suitable for Extreme Applications.

DuroTred™

Industry Leading Durability:
Suitable for Heavy Load Applications.

TruTred™

Our Standard Formulation:
Suitable for a wide range of General Purpose Applications.

SofTred™

Our Softest Formulation:
Engineered to provide the Comfort & Vibration Resistance of rubber.

EHC manufactures hundreds of roller designs for a wide range of industry applications.

Since 1977, EHC has been supplying the lift industry with high quality products and services worldwide.

Quality Manufacturing & Performance

RiteLine rollers are manufactured using high-grade materials and are made available in your choice of polyurethane tread material to provide optimum balance between performance and durability.

With our customization options, non-standard product requests are possible.

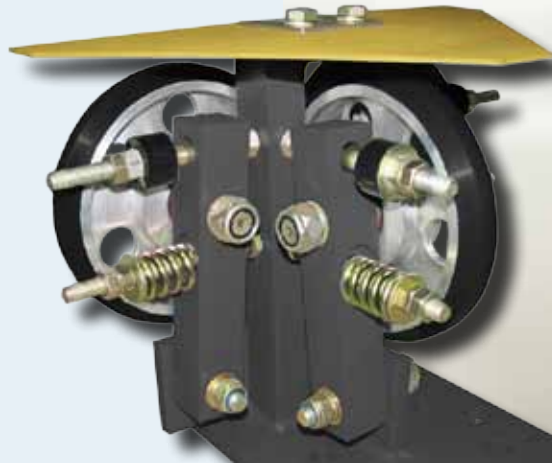
PYROGuard™

EHC PyroGuard™ technology has been developed to enable our roller tread material to exceed the global fire resistance requirements of the UL 94 V-0 rating.

High-quality bearings and hubs are used during assembly to reduce noise and undesired vibration.

Roller Guides

Strong. Smooth.
Silent.



MODEL	SPEED	QUANTITY	DIAMETER (mm)
RG1 (Capacity: 4,500kg)	10.0 m/s	6	152.40
RG2 (Capacity: 1,600kg)	3.5 m/s	3	158.75
RG3 (Capacity: 4,500kg)	6.0 m/s	6	82.55
RG4 (Capacity: 1,800kg)	2.5 m/s	3	82.55
RG5 (Capacity: 2,500kg)	10.0 m/s	6	254.00
RG6 (Capacity: 1,600kg)	3.5 m/s	3	88.90

ROLLERS

All values above are shown with TruTred⁹⁵ rollers installed.

RiteLine Roller Guides are specially engineered to dramatically improve ride quality and reduce noise.

EHC's Roller Guides are designed for strength and durability. Only high quality components are used during assembly to ensure longevity and ease of adjustment in the field.

Quality Manufacturing & Performance

EHC is ISO9001 / ISO14001 certified. Our quality inspections include examining guides for structural integrity and alignment.

Our guides are designed using high-grade polyurethane rollers which are made available in a wide range of hardnesses to provide the optimum balance between ride quality and durability.

With proven EHC engineering expertise, each stage of manufacturing and assembly integrates complementing components to ensure maximum quality and performance.

Our custom blend of polymers provide ideal shock absorbing and noise isolating properties.

EHC GLOBAL

Handrails

*"The industry leader in handrail
design, manufacture and distribution."*



World's 1st Recyclable Handrail



NT3000 Technology:
Unrivaled.



- Smooth tracking ensures longer operational life of all handrail & drive components.
- Easy to clean - no harsh solvents required.
- Superior vandalism resistance.
- Recyclable.

Thermoplastic urethane handrails provide diverse solutions for all of your custom requirements.

World's Most Popular Escalator Handrail

NT3000 combines unique aesthetics, durability and ease of installation while being kind to the environment.

Energy Efficient

NT3000 is straighter than other handrails and requires less energy to travel through escalator drive systems - making it the most energy efficient escalator handrail available. Smooth tracking ensures optimum alignment and operation of all handrail drive components.

Manufactured in an ISO14001 facility, NT3000 has been engineered to meet environmental standards, and are free of ozone depleting substances such as chlorosulphonated rubber compounds and PVCs.



NT3000 is available in any custom colour or with permanent antimicrobial protection.

Antimicrobial Protection

Passenger Protection:
Permanent.

- 70% of consumers stated that they would be more likely to hold a handrail that was antimicrobial.
- Effective, non-toxic & durable.
- Recyclable.

Give passengers a sense of comfort knowing the handrails they hold are cleaner because they inhibit the growth of bacteria.

Consumer Concern

Globally, escalator handrails are often listed among the top ten surfaces where the public is directly exposed to germs and other harmful bacteria. Antimicrobial handrails are equally important for passenger safety, as holding the handrail is one of the best ways to defend against accidental falls.

Antimicrobial Protection

EHC has specially selected an antimicrobial additive that is safe, effective and permanent for the life of the handrail. The cleansing compounds provide an added level of protection which keep AMRail handrails clean.

AMRail not only defends passengers, it prevents the accelerated growth of bacteria that can cause product deterioration.



**Stop the spread of germs and bacteria:
Specify AMRail handrails on all of your
escalators & moving walks!**

Custom Colour Handrails



Designer Options:
Unlimited.



- EHC is the only handrail manufacturer that can match or create any custom colour.
- Custom colours are easy. Send us a colour swatch - we will match it!
- ColourRail stays vibrant & glossy.
- Recyclable.

Revolutionize your escalators by adding colour!

Vibrant & Glossy

EHC is proud to be the only handrail manufacturer that offers an unlimited selection of custom colour handrail options. ColourRail is easy to clean and stays vibrant & glossy for the life of the handrail.

Custom Colours

Consider matching your new handrails with your surroundings or to make the escalator and environment more appealing. More than ever, building owners are pushing the limits beyond black handrails and realizing the endless possibilities.

Getting a custom colour handrail is as simple as sending EHC a colour swatch or pantone number. Once we receive your desired colour we will send you a thermoplastic chip for approval.



ColourRail can also be recycled, reducing its environmental impact.

Give Your Brand Centre Stage

Brand Recall:
Outstanding.



Worldwide ADRail Customers:



Imagine your company's message in the hands of millions of consumers – in full brilliant colour.

Whether you want to make your campaigns interactive or simply maintain brand awareness, add value to your promotional mix with this highly visible medium. Spend your advertising budget wisely by incorporating ADRail into your marketing strategy.

Where There's Traffic, There's ADRail

ADRail is a popular advertising medium in shopping malls, hotels, sports arenas, transit stations and airports. When given an option 80% of the public use escalators opposed to stairways, with an average duration of 30 seconds in transit. Studies have shown an impressive 54% of escalator passengers recalled the brand name advertised on ADRail.

Features:

Vibrant Colours	Glossy Finish	UV Stability
High Resolution	Antimicrobial	Easy Maintenance
Maximum Coverage	Durability	Quick Installation/Removal

245 million people ride escalators in North America each day; 500 million in Europe; 700 million in Asia.

Temporary Handrail Designs

Design Options:
Unlimited.



Design Inspiration:



Make an impression by adding custom designs to your escalator handrails.

Unique Colours & Patterns

EHC Global is the world's largest escalator handrail manufacturer and the only manufacturer that specializes in custom colours and designs. Using modern colour combinations or textured patterns can add sophisticated touch to highlight surrounding architecture. DecoRail is a specialty film that can be installed in less than two hours by a qualified EHC technician.

Seasonal Decor

DecoRail offers the freedom to change the appearance of your escalators as often as you want without having to commit to one handrail colour. Use DecoRail to promote a special event, an upcoming holiday or change it with each season.

Wow Factor

We can help you create your own unique look. Contact your EHC distributor for a personalized solution that will enhance your environment.

Our patented applicator can quickly transform your escalator handrails into moving works of art!

Custom. Unique. Permanent.



Brand Impact:
Phenomenal.



- Endless personalization possibilities.
- State of the art digital printing process produces rich colours.
- Style and information at your fingertips.
- Recyclable.



BrandRail provides custom personalization options for escalator handrails.

Permanent Branding Solutions

Our BrandRail handrails offer a permanent branding solution for logos, directional information, messages or decorative graphics.

Point-Of-Sale

Customers now have the ability to strategically target high traffic locations and put their brand into the hands of millions - permanently! Our innovative printing technology allows for full colour graphics and high resolution, while our processing techniques permanently bond graphics to NT handrails.

Manufactured in an ISO14001 facility, BrandRail has been engineered to meet environmental standards and can be recycled.

Whether applied to EHC's black antimicrobial handrails or custom colour choices, BrandRail is sure to capture an audience.

**Communicate with consumers at the
Point-Of-Sale.**

Revolve. Remind. Protect.



Passenger Safety: Priority.



- Wide variety of safety messages and symbols to choose from.
- Available on handrails of any colour.
- Available in any language.
- Recyclable.



SafeRail provides permanent safety signage for passengers in motion.

Handrail Safety Solutions

EHC's SafeRail handrails offer permanent safety signage solutions. Customers can select from a wide variety of preconfigured safety designs and messages, or design their own to meet local code requirements.

Whether applied to EHC's black antimicrobial handrails or custom colour choices, SafeRail is sure to encourage safe and responsible escalator use.

Engineered For Performance

Our innovative printing technology allows for full colour graphics and high resolution, while our processing techniques permanently bond safety messages to NT handrails.

Mitigate the risk of escalator accidents with SafeRail!

Detect. Approach. Acknowledge.

Motion Awareness:
Profound.



- NT MotionRail offers a limitless variety of shapes, symbols and colours.
- NT MotionRail can be recycled.
- TufFlex MotionRail offers a select range of configurable shapes and sizes.



MotionRail provides passengers with a visual reference of travel speed and direction.

Handrail Safety Solutions

EHC is the world leader in custom escalator handrails. Our MotionRail handrails offer customers comfort in providing helpful motion indicators to alert passengers, young and elderly, of the speed and direction of travel - ensuring safe escalator entry and exiting.

TufFlex MotionRail (Rubber Handrails)

Available in bold yellow or high contrast white, dot and diamond configurations can be applied to rubber handrails in various select sizes to assist with heavy traffic flow in dense areas.

NT MotionRail (Thermoplastic Handrails)

MotionRail for thermoplastic handrails retains vibrancy and offers full colour capabilities with advanced bonding properties. Customers can select indicators from a wide variety of preconfigured shapes and symbols, or design and submit their own.

Keep your escalator passengers moving naturally & safely with MotionRail!

Geared Towards Strength

Structural Integrity:
Unsurpassed.



- Trouble-free operation on the most severe reverse bend drive systems.
- Withstands extensive wear and tear.
- Reliable, robust & stable.

TufFlex handrails are constructed and designed for any application or environment.

Durable & Ozone Resistant

TufFlex withstands environmental exposure without cracking, and has an exceptionally high resistance to ozone. It's flexible enough to bend through the most extreme drive systems, yet durable enough to endure the constant pressure of drive rollers.

Dimensionally Stable & Dependable

TufFlex preserves the dimensions of the handrail profile through its ability to maintain its structural strength. This is accomplished by utilizing built-in stretch inhibitors to prevent the handrail from growing or shrinking during operation.

TufFlex will not **shrink**, avoiding friction, excess dust, and premature wear. Likewise, TufFlex will not **grow**, avoiding handrail slippage which could displace a handrail from its guide.



No other rubber handrail can compare to the patented inner construction design and performance of TufFlex!

EHC GLOBAL

Maintenance

*"Saving you downtime and money,
anywhere in the world."*



Fully Insured & Certified Technicians

Customer Savings:
Guaranteed.



- EHC can field splice one handrail in less than five hours, two in less than eight!
- Fully supported by the original manufacturer's warranty when spliced by EHC technicians.
- Our experts can identify and provide solutions to maximize handrail life.



Our Service Experts will provide you with the highest level of handrail support and service, saving you downtime and money.

Repetition Is Key

Our Service Technicians undergo extensive splice and handrail repair training. They only service escalator handrails, having an average of 10 years experience or 5000 splices. The splice is the weakest point on any handrail - trust only EHC Certified Technicians to perform all of your field splices.

For new construction projects, it may be difficult to accurately determine the length of the handrail needed - the best solution is to overestimate the length and have the handrail spliced to fit at the jobsite. Field splicing can be especially difficult for maintenance companies if they only maintain a few escalators. Rely on EHC to perform field splices allowing mechanics to focus on other projects.

Customer Cost Savings Through EHC Field Splicing

- Eliminates disassembling and reassembling processes.
- Significantly reduces labour hours and downtime required to change handrails.
- Includes costs for splice kits, end preparations, and mould equipment shipping.

Trust only EHC Certified Technicians for all handrail related needs in the field - while saving valuable time and money.

Engineered For Reliability

Escalator Technicians: **Equipped.**



- High-grade construction.
- Customer convenience.
- Minimal downtime.

Our handrail installation tools and supplies exceed expectations of even the most experienced escalator technicians.

Without proper installation tools, time and money are often wasted. EHC Engineers are at the forefront of industry development exploring new tools and methods that minimize downtime and inconvenience.

RapidRail Handrail Installation Tool

This specialty tool makes quick and easy work of handrail removal and installation. Made of high-grade structural steel, the RapidRail tool is an essential piece of equipment designed to protect handrail slider from damage.

TuffFlex Splice Kit

Include materials which allow escalator technicians to perform their own field splicing work. Custom splice or repair kits are also available, composed of individual kit components in the quantities required.



Reduce installation time by ensuring escalator technicians are equipped with the proper tools and supplies.

Factory Quality In The Field

Maximum Portability:
Achieved.



Specifications Available:

	NT	TufFlex
7400	✓	
7500	✓	✓
7500V		✓
7800	✓	✓
7800V		✓
8000	✓	✓
8100	✓	✓
8100S		✓
8300	✓	✓
8300V		✓
8900	✓	✓
9900		✓

Complete Kits Include:

Controller	✓	✓
Cooling Reservoir & Pump	✓	
Buffer		✓
Electrical Tools	✓	✓
Hand Tools	✓	✓
Heat Gun	✓	
Pelican Case	✓	

Moulds & Cores can be purchased separately.
Complete kits are available.

Our service equipment and in-depth training programs deliver results.

EHC Engineers have developed the most sophisticated and versatile field splicing equipment on the market. Comprehensive training programs and annual requalification services ensure EHC Certified technicians maintain the level of skill needed to meet industry standards.

NT (Thermoplastic) Field Splice Mould & Controller

120V / 240V



TufFlex (Rubber) Field Splice Mould & Controller

120V / 240V

**Trained technicians with EHC field
equipment will be able to splice 2 handrails
in less than 8 hours.**

Protect Your Handrails

Brilliance & Luster:
Restored.



- Easy to use.
- No harsh chemicals.
- Protects warranty.
- Available Sizes:

Small	750mL / 26oz
Large	3.75L / 1gal



Take years off of the appearance of your handrails by regular cleaning and conditioning!

Dull or dirty handrails are not only unattractive, they can harbour bacteria and deter passengers from safely holding them. Rubber handrails contain compounds that preserve integrity and enhance performance. These compounds eventually migrate to the handrail surface and require proper cleaning.

Cleaner - Thermoplastic & Rubber Products

EHC Handrail Cleaner has been specially formulated to remove stubborn grease and grime that accumulates on the surface of handrails. Escalator handrails cycle through an internal drive system attracting substances collected by other components. Our cleaner provides the strength you need without harsh chemicals.

Polish - Rubber Products

EHC Handrail Polish revitalizes and conditions the surface of your rubber handrails. When left untreated, rubber handrails can crack as they are exposed to elements. Our polish restores luster, and provides a protective barrier.

For extra protection ask us about AMRail™ our permanent antimicrobial solution!

With proper cleaning and polishing your handrails can look new again!

Cleaning Instructions - TufFlex

The following are recommendations for a proper rubber handrail cleaning program. Daily or weekly cleaning maximizes the handrail's operating efficiency and service life and promotes a satisfying ride for pedestrians. The handrail underside requires extra attention as it can accumulate dust from the handrail guides.

New Rubber Handrails:

Always clean the rubber cover of all protective wax and installation grime after installation of a new EHC handrail by following the cleaning and polishing instructions below.

Cleaning Instructions:

- Apply cleaner to a damp cotton cloth or spray directly onto the handrail and wipe across handrail face, paying special attention to handrail underside. Wipe cleaner off of the handrail with a damp cloth.
- For handrails or motion indicators that need extra attention, use a non-abrasive nylon plastic scouring pad soaked with EHC Handrail Cleaner. Handrails in high traffic areas with increased exposure to environmental elements may require cleaning with Ethyl Alcohol.
Warning: Excessive scouring may damage the handrail surface, use moderate to light pressure.
- Rotate the handrail around the escalator or walk until entire handrail has been cleaned. Clean entire handrail before polishing.

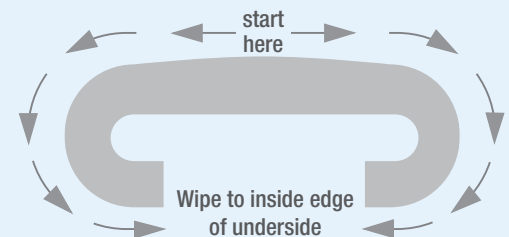
Polishing Instructions:

- Spray EHC Handrail Polish liberally onto a dry soft cotton cloth. Wipe generously across the surface of handrail rubber cover and allow to sit for 1-2 minutes.
- Using a fresh cotton cloth, remove excess polish using a light circular motion until handrail no longer feels "greasy".

Cleaning Schedule:

New Handrails: Clean immediately following installation

Existing Handrails: Daily or weekly is recommended



Start from centre and wipe outwards including underside.



Motion indicators on escalator handrails advise passengers of travel speed and direction. Keep motion indicators looking bright by regularly scheduled cleaning.

Warning:

Do not use abrasive cleaners or solvents as they will damage handrail surface finish. Do not use wax and other lubricants to improve the sliding ability of the handrail. If the lubricants come into contact with the drive sheave, the handrail will begin to slip.

Cleaning Instructions - NT

The following are recommendations for a proper thermoplastic handrail cleaning program. Daily or weekly cleaning maximizes the handrail's operating efficiency and service life and promotes a satisfying ride for pedestrians. For an added level of cleanliness ask EHC about AMRail, our anti-microbial handrails.

New Thermoplastic Handrails:

Always remove protective film after installation of a new EHC thermoplastic handrail and before following the cleaning instructions below.

Cleaning Instructions:

- Apply EHC Cleaner to a damp cotton cloth or spray directly onto the handrail and wipe across handrail face, paying special attention to handrail underside. Wipe cleaner off of the handrail with a damp cloth.
- Rotate the handrail around the escalator or walk until entire handrail has been cleaned.

Motion Indicators & Brands:

- Apply EHC Cleaner to a damp cotton cloth or spray directly onto the motion indicator or brand and gently wipe across surface. Wipe cleaner off of location with a damp cloth.

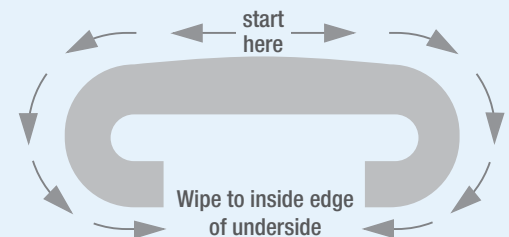
Warning: Excessive rubbing may damage the motion indicator or brand surface, use moderate to light pressure.

Do not use Ethyl Alcohol.

Cleaning Schedule:

New Handrails: Clean immediately following installation

Existing Handrails: Daily or weekly is recommended



Start from centre and wipe outwards including underside.



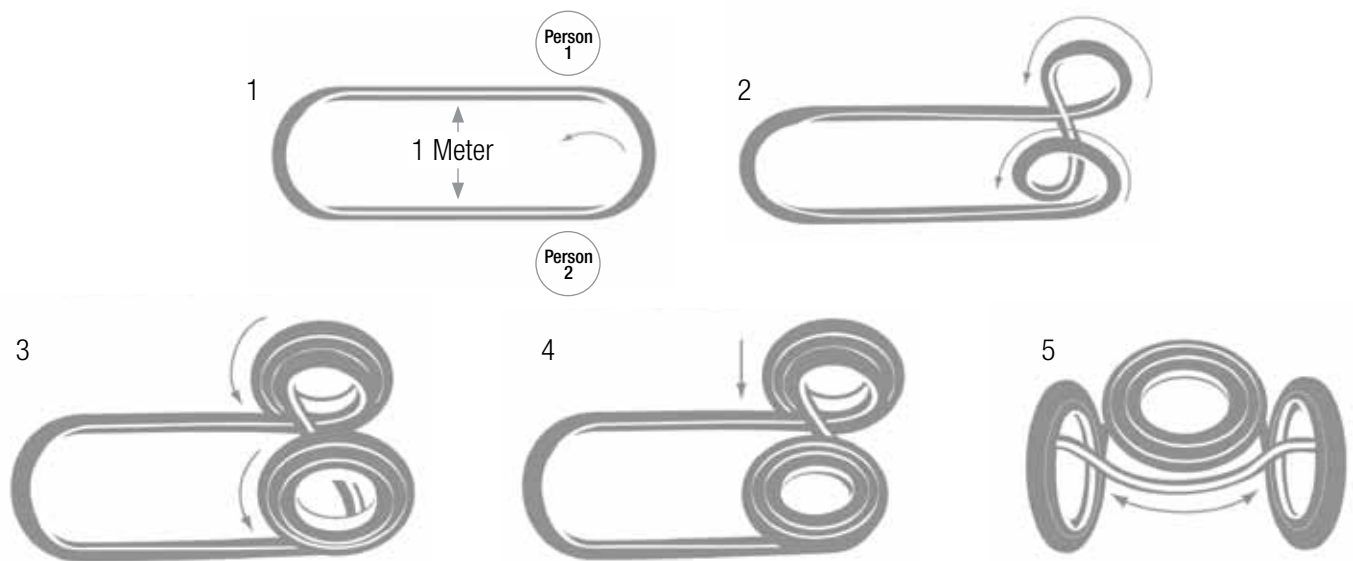
Keep motion indicators and brands looking their brightest by scheduling regular cleaning sessions.

Warning:

Do not use abrasive cleaners or solvents as they will damage surface finish. Do not use wax and other lubricants to improve the sliding ability of the handrail. If the lubricants come into contact with the drive sheave, the handrail will begin to slip.

Coiling Instructions

The most effective way to package, store, and ship handrails is to coil them. Extra long handrail should be stored on a reel. A properly coiled handrail can be packaged and stored to extended periods of time with minimal handrail distortion. An improperly coiled handrail can be very difficult to package, will not store well, and can often be damaged beyond repair because of permanent distortion. The following 5 steps describe a simple method for properly coiling an endless handrail.



Coiling Instructions:

- 1) Choose a clean, flat area large enough to accommodate the entire handrail. Lay the handrail in an oblong shape making sure it is free of twists, with the slider side up (rubber side down). Straighten the handrail lengthwise so that the side of the oval shape are parallel and approximately one meter (or one yard) apart.
- 2) With one person on either side of the handrail, begin at one end by lifting the handrail edge and turning it towards the floor.
- 3) The handrail can now be “rolled” along, creating two separate coils. With each rotation, be sure that the handrail is wound neatly on top of itself.
- 4) When the handrail is wound, place one of the two coils inward on the floor then place the other coil on top of the first.
- 5) If the handrail is longer than 25 meters (82 feet), stop coiling the handrail when you reach half the handrail’s length and repeat the same procedure from the other end. This will result in four individual coils placed on top of each other. It is important that the loop of the second end is large enough to fit around the base of the previously coiled end. This will prevent any kinks or dents in that section of the handrail. Place these last two coils over the previously coiled handrail.

To uncoil the handrail, repeat these steps in reverse order.

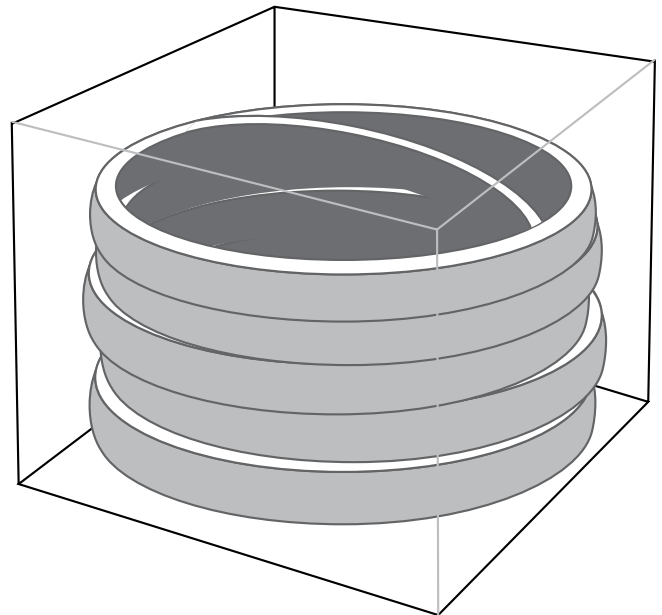
Storage Guidelines

As a general rule handrails do not store well over extended periods of time.

Even under ideal conditions, handrails will continue to age during storage, with sunlight, heat, and humidity accelerating the process. During storage, rubber handrails will often develop a waxy, protective haze. This is normal and by design, as the migration of the protective wax to the surface guards the handrail throughout its lifetime. Simply give the handrails a good cleaning after installation.

Storage Recommendations:

- Store in a dark, cool, and dry environment, with a low relative humidity.
- New handrails are best stored in their original packaging.
- Used handrails should be coiled up according to EHC Handrail Coiling procedures, avoiding excessively tight coils or kinks in the handrails. Once properly coiled, the handrails should be placed in a protective bag or box.
- Handrail containers should be stored flat and not be subjected to added weight or stress imposed by other materials being stacked or stored on top of the handrails.
- Avoid storing in penthouses or elevator pits, as both locations leave the handrail susceptible to high temperatures as well as oil and moisture contamination.
- A handrail can remain in storage for approximately 3-4 years. Handrail stored for this length of time, however, may not perform for a full service life compared to a new handrail from the factory.
- The surface of a stored handrail will require cleaning before installation. (See EHC Cleaning & Polishing procedures).
- Remove protective film from NT (Thermoplastic) handrails after they have been installed onto the escalator or moving walk. Do not operate with film applied.

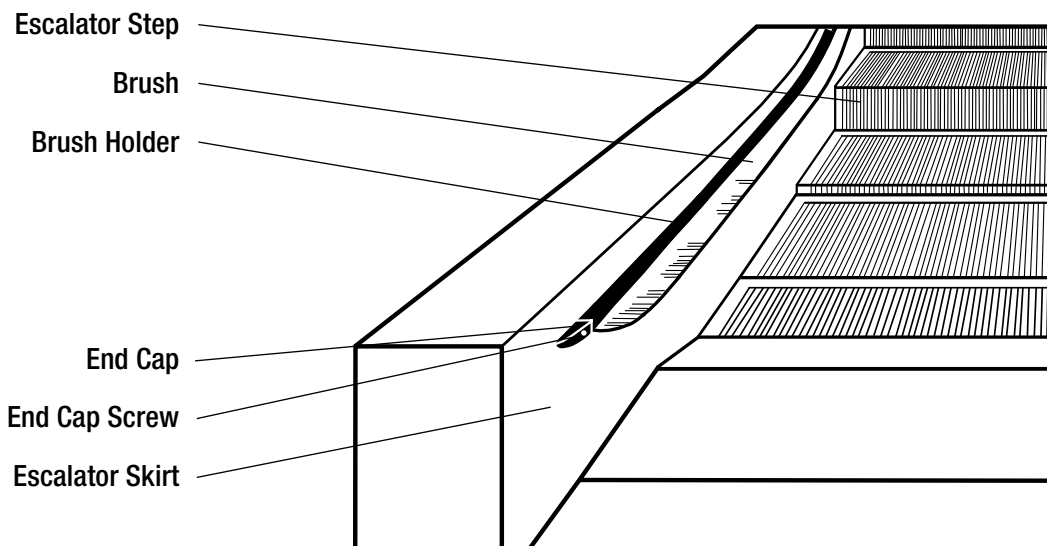


Important Reminder

After storage, uncoil handrail and let it “relax” in that state for at least 24 hours before installing on the escalator.

D-Flector Care & Maintenance

EHC's D-Flector brushes are extremely easy to clean and maintain and have been designed to ensure durability, even on high traffic escalators. Although brush holders and brush bristles may get dirty from daily traffic, by regularly following the maintenance and care procedure described below, your D-Flector brushes will provide many years of service.



Cleaning

Apply a mild, non-abrasive cleaning solution to the aluminum brush holders and end caps with a soft cloth and wipe sections as needed to maintain a shine.

Do not use corrosive or flammable cleaners on any part of the safety brushes.

Dusting

Periodically vacuum the brush bristles to prevent the build-up of dust or lint which could become a fire hazard. This will also keep the brush bristles from becoming unsightly from dirt build-up.

Replacement parts

If any part of the brush, brush holder or end cap becomes damaged, contact EHC for replacement parts.