



# ESCALATOR HANDRAIL

## Product Introduction

Elevator Parts Australia and  
New Zealand Pty Ltd  
[www.epanz.com.au](http://www.epanz.com.au)

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# INTRODUCTION

## EPANZ ESCALATOR HANDRAIL

### Our Products

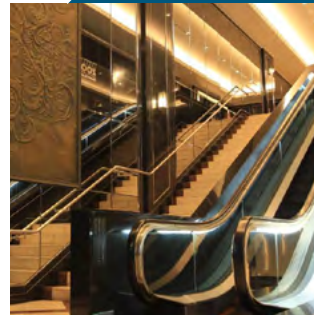
We offer high quality rubber and PU escalator handrails tailored for the Australian market with an aim to provide cost effective solution for escalator maintenance and upgrades. Our handrails are suitable for most popular escalator models found in Australia and exhibit high T peel strength as well as high tensile strength, thanks to robust construction and materials used in design and manufacturing. Not just that, they manifest unique qualities of UV resistance, Ozone resistance and aging resistance. Our handrails are specially designed for use in public places such as airports, subways, shopping malls, and hotels.



Subways



Hotels



Shopping malls



Airports



## OUR PHILOSOPHY

### Customer satisfaction is our greatest achievement

We adhere to the business philosophy of “customer satisfaction first” and insists on the brand purpose, constant innovation, improvements and enhancements which enable us to provide our customers with highest quality products. Our superior products help our customers to achieve efficiency, and provide cost-effective solutions for their needs.

# PRODUCT EQUIPMENT

Rubber Rheometer and Tensile tester



Rubber preforming machine



Escalator handrail vulcanization production line



Escalator handrail automatic molding machine



# MODEL SPECIFICATIONS

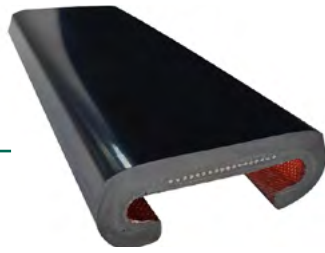
Side

Top

Bottom

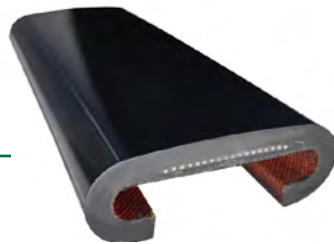
## EPS SERIES

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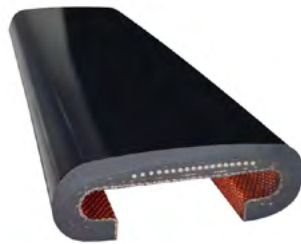
## EPK SERIES

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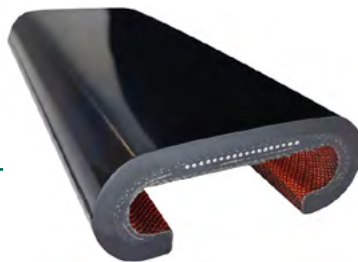
## EPO SERIES

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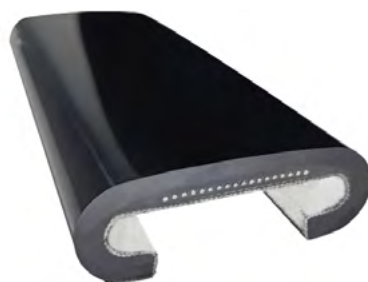
## EPT SERIES

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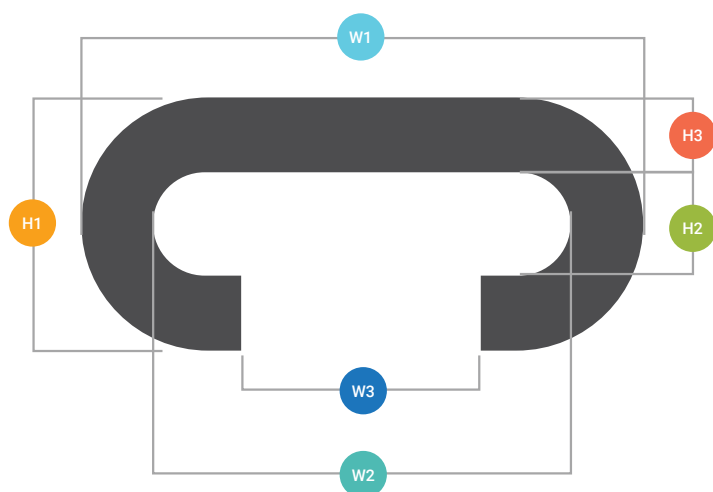
## EPH SERIES

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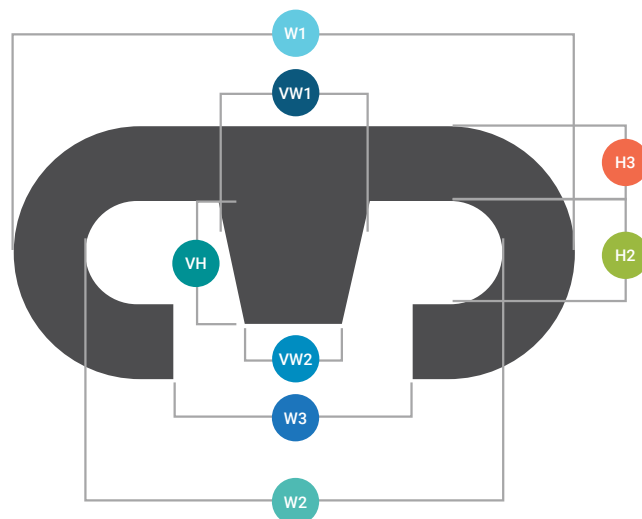


# MODEL SPECIFICATIONS

## C-TYPE



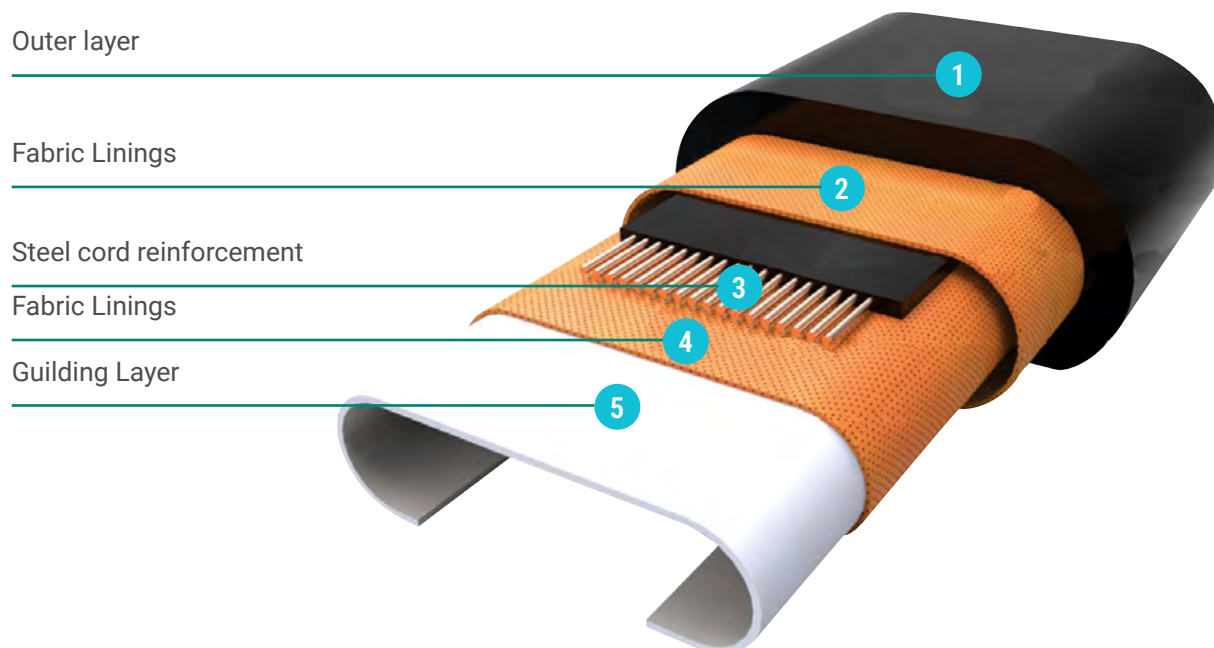
## V-TYPE



Model No	H1	H2	H3	W1	W2	W3	VH	VW1	VW2	Suitable for
EPS1	28.5±1	10.6±0.8	9.5±1	80±1	62±1	39(+3)(-1)				Schindler
EPS2	34±1	12±0.8	12±1	82±1	62±1	33(+3)(-1)				Schindler
EPO1	28±1	9.5±0.8	10±1	76±1	60±1	39(+2)(-1)				Otis
EPO2	35.5±1	16.5±0.8	9.5±1	82±1	64±1	38(+2)(-1)				Otis
EPO3	28±1	9.5±0.8	10±1	76±1	60±1	39(+2)(-1)	13	15.5	10	Otis
EPK1	28.5±1	10.6±0.5	9.2±1	79.2(+2.5)(-0)	62.8(+1.5)(-0)	37.5(+2.5)(-0)				Kone
EPT1	35	15	10	88	68	42(+2)(-1)				TKE
EPT2	35	15	10	88	68	42(+2)(-1)	18	18	7	TKE
EPT3		15±0.75		99(+2.5)(-1)	75±1.5	47(+3)(-0)				TKE
EPH1	27.5±1	10.6±0.8	10±1	80±1	63±1	42(+2)(-1)				Hitachi

# HANDRAIL COMPOSITION

## ESCALATOR HANDRAIL BELT OF SPECIFICATIONS



Outer layer

Fabric Linings

Steel cord reinforcement

Fabric Linings

Gliding Layer

**1** **Outer layer** is divided into two formulas to adapt to different environmental requirements – indoor type and outdoor type. The outdoor type handrail has better ozone and ultraviolet resistance than the indoor type. The indoor type is suitable for escalators inside buildings, and the outdoor type is suitable for escalators in open-air places.

**2** **Fabric linings** are wrapped around the upper and lower sides of the steel cord, increasing the strength of the handrail.

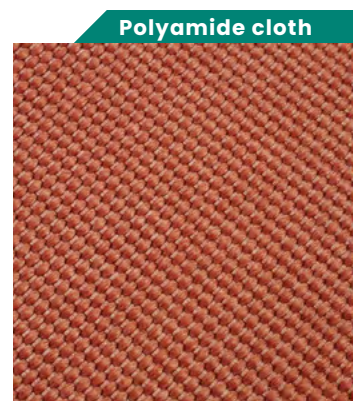
**3** **Steel cord reinforcement** can ensure that the handrail can withstand strong tension without being elongated or broken during operation.

**4** **Fabric linings** are wrapped around the upper and lower sides of the steel cord, increasing the strength of the handrail.

**5** **Gliding layer** is used for the friction drive between the driving wheel and the sliding layer cloth, which mainly has two type: Cotton cloth and Polyamide cloth.



Cotton cloth



Polyamide cloth

# PRODUCT PACKAGING

## PU FILM

The escalator handrail is covered with transparent PE film for protection after production.



## PE FILM

The escalator handrail is wrapped with a black PE film for packaging.



## CARTON

The escalator handrail is wrapped in carton for customised length.



## WOODEN DRUM

The escalator handrail in wooden drum packaging need to be connected by a vulcanising machine.

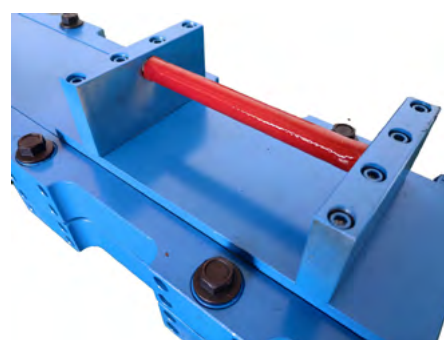
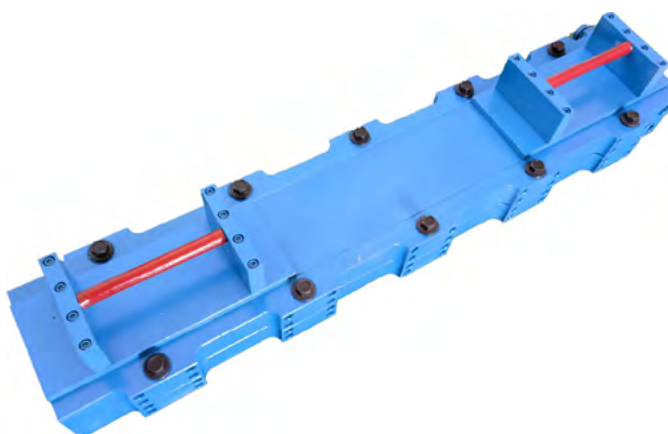




# VULCANISING MACHINE

## CONNECTING HANDRAILS

A Vulcanising machine is a machine that is specially designed to connect escalator handrails. It works by using high-temperature vulcanization to bond the two ends of the escalator handrail together, forming a complete ring. Our machines are made of aluminium, which is light in weight and easy to carry and comes with a digital control console equipped with a display screen which makes monitoring easier during the process of vulcanisation. However, it should be noted that different models of escalator handrails require corresponding vulcanising machines, otherwise it may affect the connection quality and warranty terms.



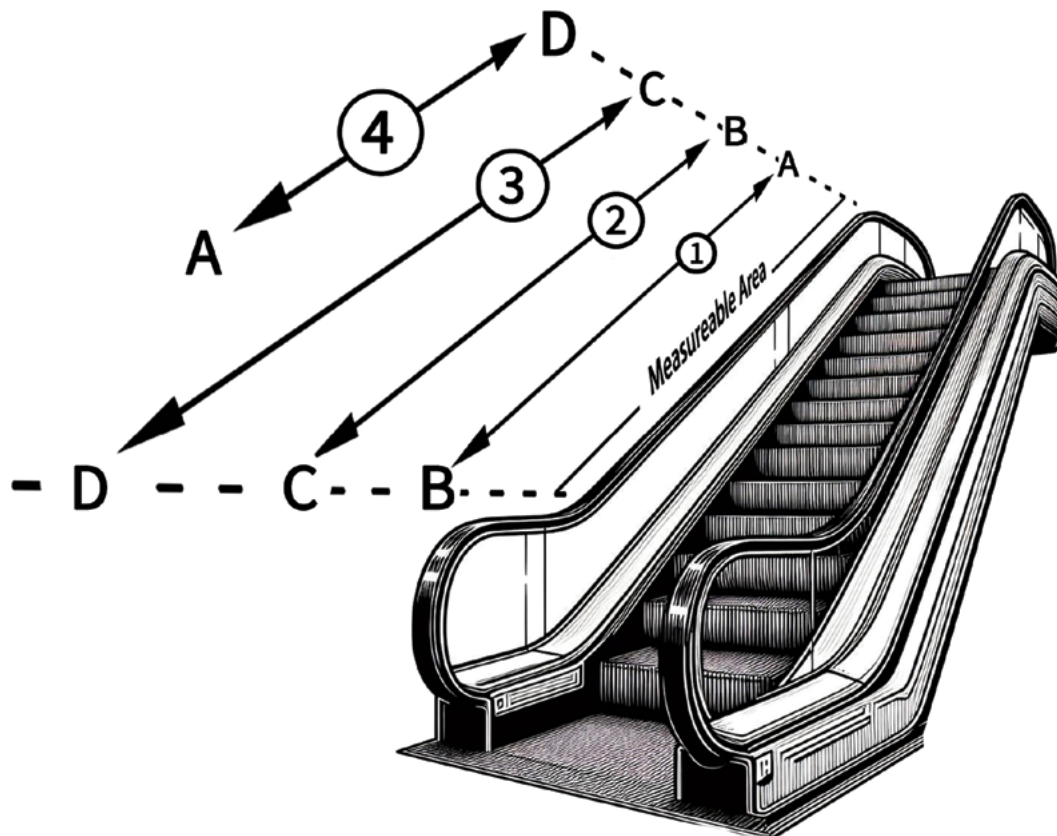
# INSTALLATION

## TOOLS AND EQUIPMENT

# MEASURING INSTRUCTIONS

## MEASURING THE LENGTH

- 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 escalators 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 (1s, 2, & 3) to obtain the total handrail length.





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