

OTIS
The established world leader

With more than 1,7 million elevators and 110,000 escalators installed worldwide, Otis is the world's leading manufacturer of escalators, Trav-O-Lators® and elevators. Since pioneering the world's first safe elevator more than 150 and the first escalator more than 100 years ago, Otis has established manufacturing, sales and service organizations in more than 100 countries.

Today, Otis Escalators s.r.o. is supplying world markets with commercial and public escalators and Trav-O-Lators® from Breclav, Czech Republic (EU).

Pioneering safety measures and ecological initiatives

Sustained commitment to research and development has maintained Otis' position as the market leader in innovation and safety. Otis was first to introduce many of the safety advances that have since become industry standards.

Continuous improvement and commitment to technical excellence have also driven our products to become more environmentally friendly. Otis is leading the industry in providing environmentally conscious solutions to eliminate lubrication, lower material and energy consumption.

Accent on service

With the world's largest network of branch offices and service centers, Otis is able to provide unmatched customer service. The international team of industry professionals, supported by state of the art technology, provides the highest level of service in the fastest possible time.

At Otis, the commitment to excellence has produced the highest quality products and services that deliver unrivalled customer satisfaction.



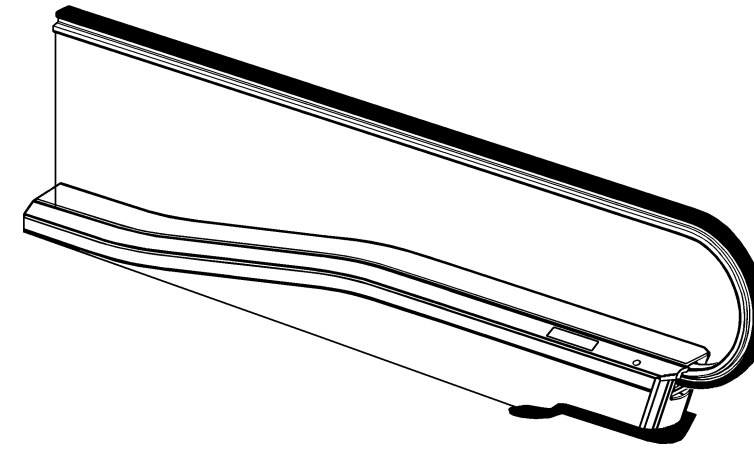
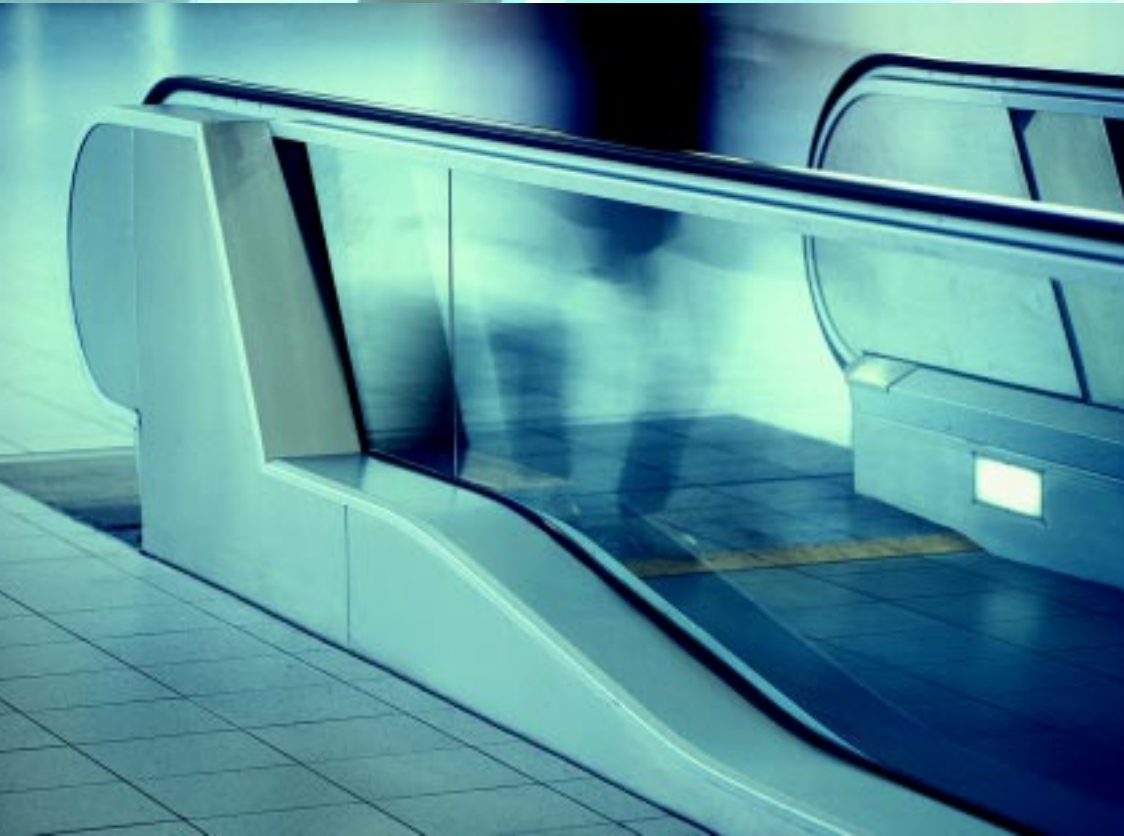
Otis 610 NPT

Otis 610 NPT

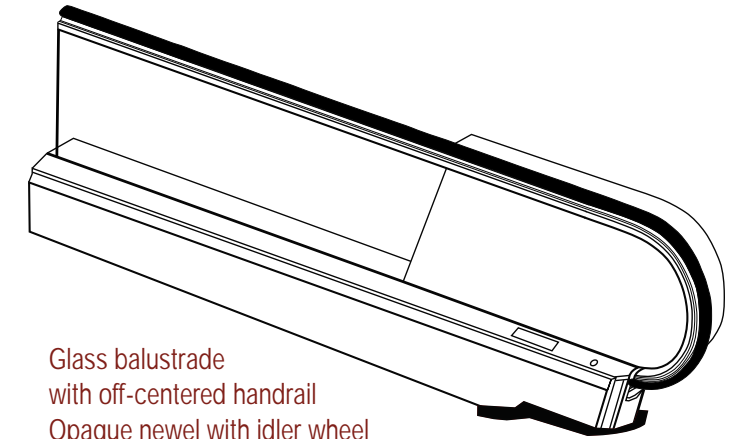
Engineered for safety, designed for reliability

*The design makes the difference.
A Trav-O-Lator® which sets new
standards for airports, metros, fairs,
pedestrian under- and overpasses.*

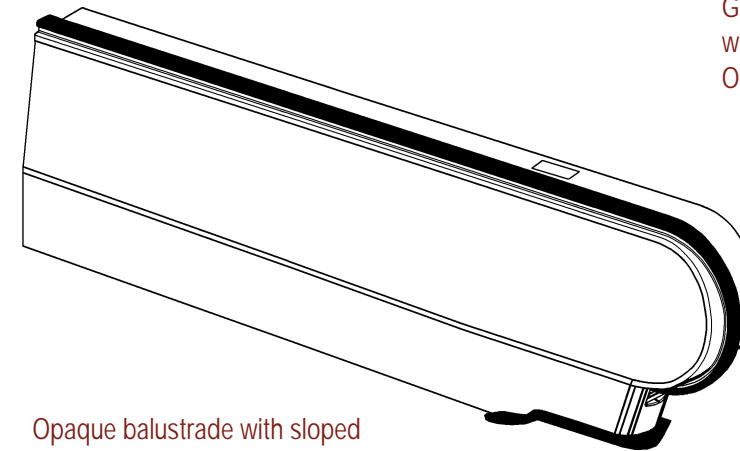
*Safety, elegance, reliability, availability
and lifetime all comply with the highest
requirements of the passenger
transport sector in accordance with all
international codes.*



Glass balustrade with off-centered handrail



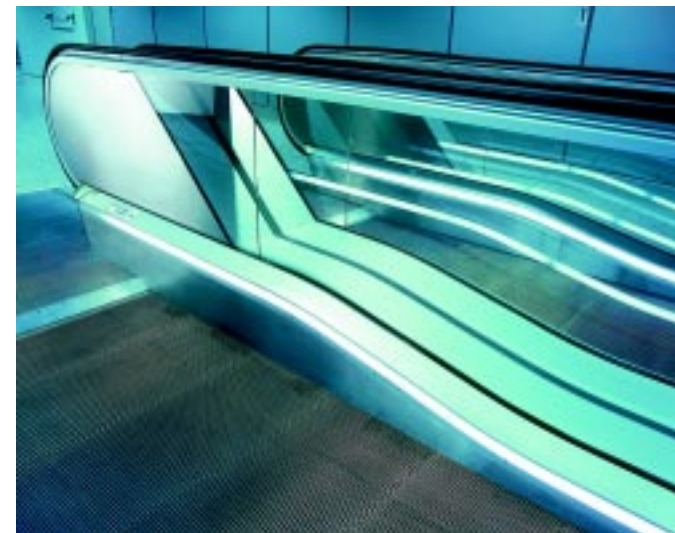
Glass balustrade
with off-centered handrail
Opaque newel with idler wheel



Opaque balustrade with sloped
interior panels and high deck

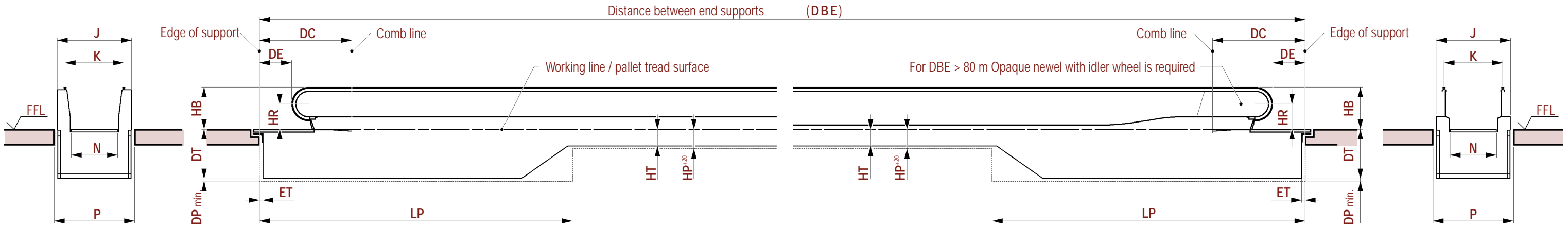
Aesthetics

Different balustrade designs allow for optimal adaptation to the surroundings. A wide variety of decking finishes, handrail colors, glass or opaque interior panels are all available to blend with the individual building requirements. Unique to the industry is the availability of different truss (supporting frame) heights in connection with the distance between supports for easy integration into the building conditions.



Opaque Balustrade

Glass Balustrade



NOTE: Take care of water in the pit
 Based on local weather conditions arrange for:
 - Connection of Trav-O-Lator® to local drainage system or pump unit within pit.
 - Float switch to stop Trav-O-Lator® in case of water level exceeds 50 mm within the Trav-O-Lator®.
 - Check need for oil separator
 - In case of connection to local drainage system the dimension DP min = 300 mm (1'-0")

NOTE: Data of tables shown in columns are valid for arrangement according to code EN 115.
 Data of tables shown in columns are valid for arrangement according to code ASME - A 17.1.

Duty table

Machine EC H2										Distance between end supports (DBE)					
EN 115 400 – 415 V 50 HZ IEC 38										Pallet width N					
ASME-A 17.1 400 – 480 V 60 HZ										1000 mm	40'	1200 mm	48'	1400 mm	56'
Nominal		Current				Power		Speed		Length (DBE)		Length (DBE)		Length (DBE)	
Delta	Star	Delta	Star	Delta	Star	kW	HP	m/s	ft/min	m	feet	m	feet	m	feet
A	A	A	A	A	A										
17	13	44,5	32	152	109	7,5	10,2	0,50	100	75	209'-11 11/16"	56	177'-2"	49	154'-2 3/8"
								0,65	125	57	167'-3 7/8"	43	137'-9 9/16"	38	121'-4 11/16"
								0,75	-	49	-	37	-	32	-
25	19,7	47	38	175	132	11,7	15,9	0,50	100	118	324'-9 5/8"	89	262'-5 5/8"	78	232'-11 1/4"
								0,65	125	90	255'-10 7/8"	68	206'-8 5/16"	60	183'-8 3/4"
								0,75	-	78	-	59	-	51	-
30	26	58	51	215	168	15,0	20,4	0,50	100	120	393'-8 7/16"	115	334'-7 3/4"	100	298'-6 11/16"
								0,65	125	116	324'-9 5/8"	88	262'-5 5/8"	77	232'-11 1/4"
								0,75	-	100	-	76	-	66	-
36	30,5	79	48	250	157	18,6	25,3	0,50	100	-	-	120	393'-8 7/16"	120	341'-2 1/2"
								0,65	125	120	393'-8 7/16"	109	324'-9 5/8"	95	288'-8 9/16"
								0,75	-	120	-	95	-	82	-
43,5	39,5	89	77	280	229	24,0	32,6	0,50	100	-	-	-	-	-	-
								0,65	125	-	-	120	393'-8 7/16"	120	341'-2 1/2"
								0,75	-	-	-	120	-	107	-

Duty table for installations up to 1000 m altitude above sea level (NN)

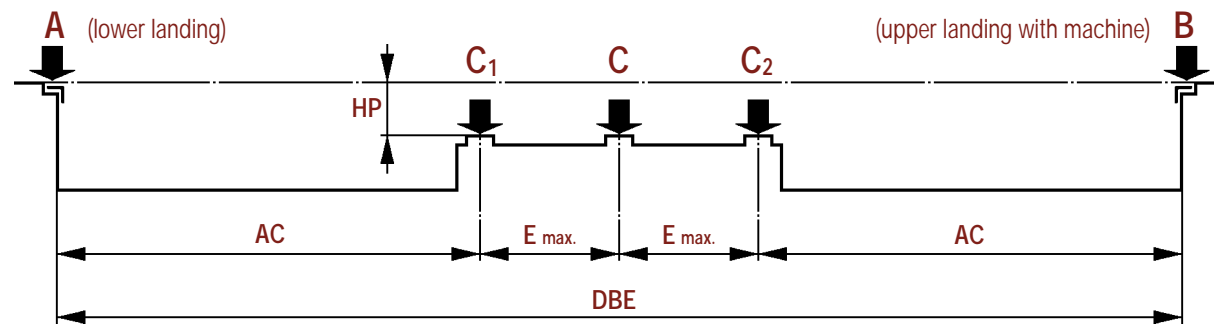
Dimensions

	Distance between supports		Dimension	Pallet width N					
				1000 mm	40'	1200 mm	48'	1400 mm	56'
				Length		Length		Length	
	mm	feet	mm	feet	mm	feet	mm	feet	
Balustrade			J	1650	5'-4 15/16"	1853	6'-0 15/16"	2057	6'-9"
			K	1282	4'-2 1/2"	1485	4'-10 7/16"	1688	5'-6 7/16"
			HB	1000	3'-3 3/8"	1000	3'-3 3/8"	1000	3'-3 3/8"
			HR	600	1'-11 5/8"	600	1'-11 5/8"	600	1'-11 5/8"
			DE	698	2'-3 1/2"	698	2'-3 1/2"	698	2'-3 1/2"
			DC	1807	5'-11 1/8"	1807	5'-11 1/8"	1807	5'-11 1/8"
Pit			P	1730	5'-8 1/8"	1933	6'-4 1/8"	2136	7'-0 1/8"
			DP	60	0'-2 3/8"	60	0'-2 3/8"	60	0'-2 3/8"
			LP	6185	20'-3 1/2"	6185	20'-3 1/2"	6185	20'-3 1/2"
	10000	32'-9 11/16"	HP	630	2'-0 13/16"	680	2'-2 3/4"	730	2'-4 3/4"
	7000	22'-11 9/16"		-	-	-	-		
	6500	21'-3 7/8"		-	-	405	1'-3 15/16"	-	-
6000	19'-8 1/4"	-		-	-	-	405	1'-3 15/16"	
Truss			DT	1155	3'-9 1/2"	1155	3'-9 1/2"	1155	3'-9 1/2"
			ET	75	0'-2 15/16"	75	0'-2 15/16"	75	0'-2 15/16"
	10000	32'-9 11/16"	HT	580	1'-10 13/16"	630	2'-0 13/16"	680	2'-2 3/4"
	7000	22'-11 9/16"		355	1'-2 "	-	-	-	-
	6500	21'-3 7/8"		-	-	355	1'-2 "	-	-
	6000	19'-8 1/4"		-	-	-	-	355	1'-2 "

Minimum clear floor access area in front of the landings measured from newel end: 2,5 x Trav-O-Lator® width or 2,0 m twice of Trav-O-Lator® width

Supports

Otis 610 NPT

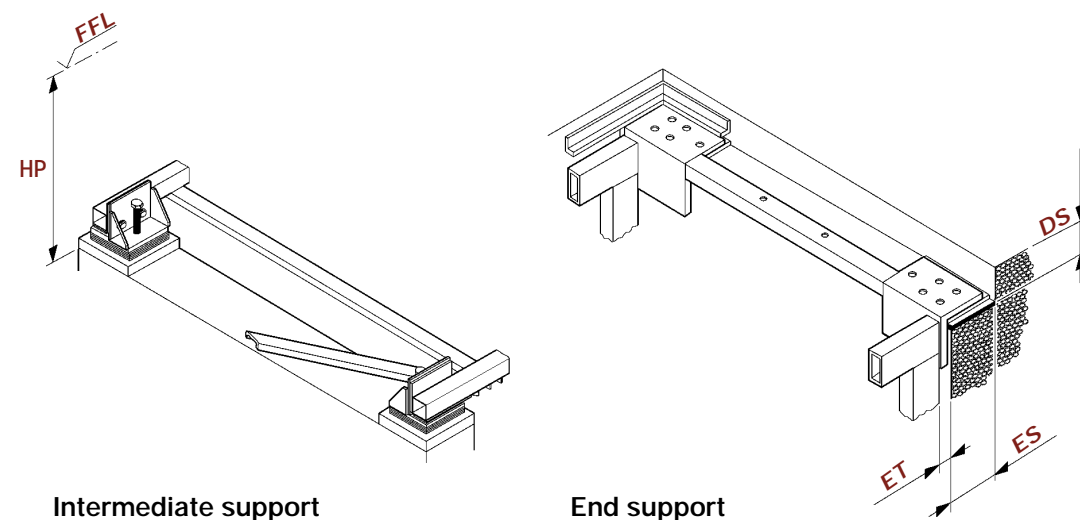


Reactions to support for STANDARD truss height at intermediate section

Distance	Pallet width N					
	1000	40'	1200	48'	1400	56'
AC	10,0 m	32'-9 11/16"	10,0 m	32'-9 11/16"	10,0 m	32'-9 11/16"
E max.	10,0 m	32'-9 11/16"	10,0 m	32'-9 11/16"	10,0 m	32'-9 11/16"
ES	225 mm	0'-8 7/8"	225 mm	0'-8 7/8"	225 mm	0'-8 7/8"
DS	160 mm	0'-6 5/16"	160 mm	0'-6 5/16"	160 mm	0'-6 5/16"
Support	Reaction to support					
	kN (E in m)	Pound (E in ft)	kN (E in m)	Pound (E in ft)	kN (E in m)	Pound (E in ft)
A	52	11700	60	13500	68	15300
B	61	13700	70	15700	76	17100
C ₁	4,4 x E + 45	301 x E + 10100	5,15 x E + 52	353 x E + 11700	5,8 x E + 59	397 x E + 13250
C ₂	4,4 x E + 46	301 x E + 10300	5,15 x E + 54	353 x E + 12100	5,8 x E + 60	397 x E + 13500
C	8,8 x E	602 x E	10,3 x E	706 x E	11,6 x E	794 x E

Reactions to support REDUCED truss height at intermediate section (Standard Option)

Distance	Pallet width N					
	1000	40'	1200	48'	1400	56'
AC	7,0 m	22'-11 9/16"	7,0 m	22'-11 9/16"	7,0 m	22'-11 9/16"
E max.	7,0 m	22'-11 9/16"	6,5 m	21'-3 7/8"	6,0 m	19'-8 1/4"
ES	225 mm	0'-8 7/8"	225 mm	0'-8 7/8"	225 mm	0'-8 7/8"
DS	160 mm	0'-6 5/16"	160 mm	0'-6 5/16"	160 mm	0'-6 5/16"
Support	Reaction to support					
	kN (E in m)	Pound (E in ft)	kN (E in m)	Pound (E in ft)	kN (E in m)	Pound (E in ft)
A	37	8300	44	9900	48	10800
B	46	10350	53	11900	58	13000
C ₁	4,4 x E + 34	301 x E + 7650	5,15 x E + 40	353 x E + 9000	5,8 x E + 43	397 x E + 9600
C ₂	4,4 x E + 35	301 x E + 7860	5,15 x E + 41	353 x E + 9200	5,8 x E + 44	397 x E + 9900
C	8,8 x E	602 x E	10,3 x E	706 x E	11,6 x E	794 x E



Safety comes first

As safety is an ongoing process, each new generation of Trav-O-Lator® is an improvement over its predecessor.

The optimized handrail entry box minimizes the risk of objects becoming trapped.

Full-width pallet axles prevent pallet deformation and help to ensure minimum gap clearances between the pallet and the skirt panel.

Reliability through 'Passport'

Fundamental to our reliability program is a design process known as 'Passport'. An initiative unique to Otis, the Passport process establishes strict checkpoints from planning and development through to manufacture and delivery to site.

Specifically, it means the product has to be approved at each checkpoint before it can proceed to the next stage.

And, importantly, it involves staff at all levels including Otis Senior Management. Main components are tested and proven to ensure an average life expectancy in excess of 20 years.



Comfort and performance

Ride comfort is directly related to the precision with which Trav-O-Lator® is engineered. Balustrade rigidity, the synchronization of pallet and handrail movement all play a part in providing a qualified and reliable Trav-O-Lator®.

Components and sub-components have been designed and qualified within ISO 9001 and ISO 14001 certified procedures.

Passports acts as a constant reminder that quality is paramount. It is a linchpin in our quality assurance strategy and our commitment to ensure reliability.



Otis 610 NPT - the standard of moving walkways for heavy traffic - elegant, robust, reliable, environment and service friendly.