

TUGELA

Heavy-duty escalator

Our heavy-duty tugela escalator is ideal for high-rise applications, convention centers, stadiums, smaller airports or locations with heavy traffic. The reinforced balustrade provides additional strength against bumps from bags and cases. You can customize the look with glass colors and optional under-handrail lighting.

The tugela features oversized motors, gearboxes and chains. A sprocket-type tension carriage reduces wear on the chain rollers and a handrail pressure system improves handrail drive traction.



Retail



Office



Hospital



Hotel



Airport



Transport



Entertainment

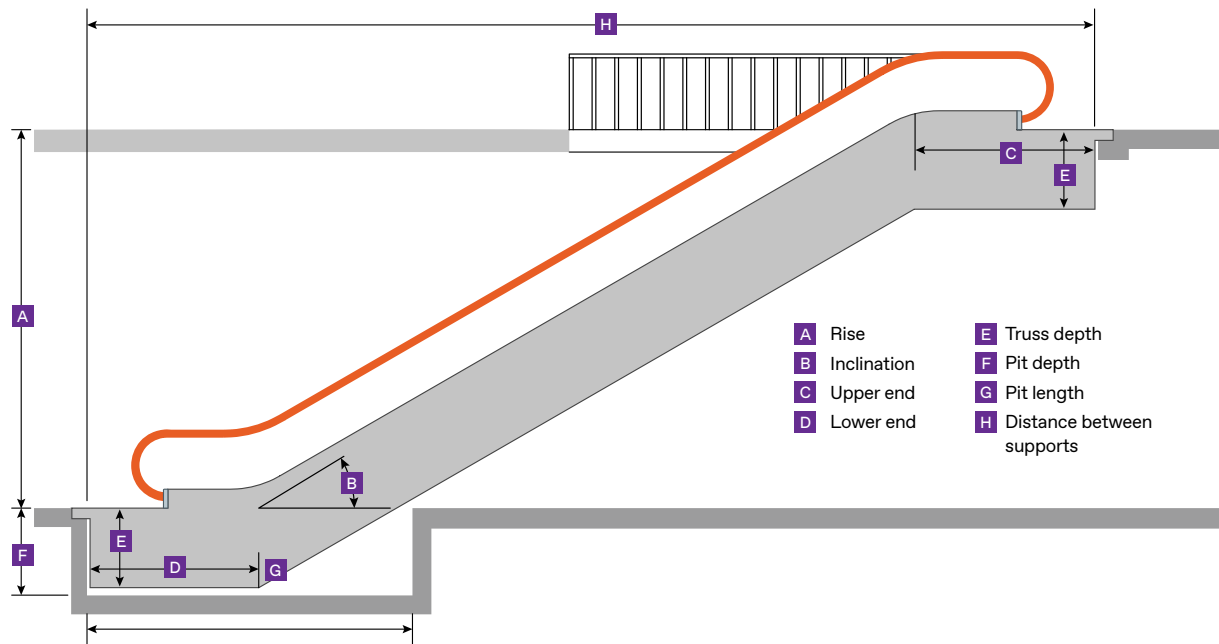
Overview

Application	High traffic, heavy duty	Step load	Rated for 265 lbs/step	Handrail shape	U-shape V-shape
Climate conditions	Indoor Outdoor	Drive unit	Chain drive Direct drive	Aesthetic lights	Balustrade Skirt Truss Ambient cladding Soffit cladding
Usage factor	20-24 hours/day	Step chain roller	Inside	Traffic lights	Floor plate Decking Newel Column
Average life span	25 years	Location handrail drive	Truss	Safety lights	Step gap Comb plate
Max capacity (people/hour)	6000	Balustrade	Robust Metal		

CONTACT US: 788 CIRCLE 75 PARKWAY SE, SUITE 500 ATLANTA, GA 30339 | P: +1 844 427 5461

Dimensions and data*

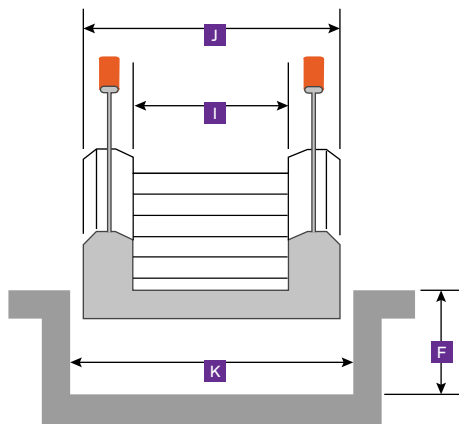
Side elevation



tugela dimensions

Flat steps	Rise (m) A	Inclination B	Transition radius (mm) Top Bottom	Upper end (mm) C	Lower end (mm) D	Truss depth (mm) E	Pit depth (mm) F	Pit length (mm) G
2	Up to 72'-2" (22)	27.3° 30°	3'-5 ⁵ / ₁₆ " 3'-5 ⁵ / ₁₆ " (1050 1050)	8'-2 ¹ / ₈ " (2490)	7'-3" (2210)	3'-5 ⁵ / ₁₆ " (1050)	3'-9 ¹ / ₄ " (1150)	14'-1 ¹ / ₈ " (4300)
3	Up to 72'-2" (22)	27.3° 30°	4'-11 ¹ / ₁₆ " 3'-5 ⁵ / ₁₆ " (1500 1050)	9'-8 ¹ / ₈ " (2950)	8'-6 ³ / ₄ " (2610)	3'-5 ⁵ / ₁₆ " (1050)	3'-9 ¹ / ₄ " (1150)	15'-5 ⁵ / ₁₆ " (4700)

Cross-section



tugela dimensions

Nominal step width (mm) I	Truss width (mm) J	Pit width (mm) K	Persons per hour 100 fpm (0.5 m/s)
24" (600)	3'-8 ¹ / ₂ " (1130)	3'-10 ⁷ / ₈ " (1190)	3600
32" (800)	4'-4 ³ / ₈ " (1330)	4'-6 ³ / ₄ " (1390)	4800
40" (1000)	5'-0 ¹ / ₄ " (1530)	5'-2 ⁵ / ₈ " (1590)	6000

- F Pit depth
- I Nominal width
- J Truss width
- K Pit width

Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from national codes.
 *Some options/features may affect wellway dimensions. Consult your local TK Elevator representative for details.
 Depending on the application and location of the escalator equipment, TK Elevator recommends that customers consult with their architect, engineer or other consultant with respect to the need for any additional safety features including, without limitation, fall protection.