



Alternating Tread Stair: Technical and Dimensional Data

	56° STEEL	68° STEEL	68° ALUMINUM
MINIMUM HEIGHT, FLOOR TO FLOOR	36" (91.44 cm)	42" (106.68 cm)	24" (60.96 cm)
MAXIMUM HEIGHT, FLOOR TO FLOOR*	240" (609.60 cm)	240" (609.60 cm)	216" (548.64 cm)
OVERALL HEIGHT, STANDARD HANDRAILS	H + 42" (H + 106.68 cm)	H + 42" (H + 106.68 cm)	H + 42" (H + 106.68 cm)
OVERALL HEIGHT, OPTIONAL PARAPET	H + 5¼" (H + 14.61 cm)	H + 5¼" (H + 14.61 cm)	H + 3¾" (H + 9.53 cm)
OVERALL WIDTH	23" (58.42 cm)	23" (58.42 cm)	23" (58.42 cm)
RUN, WITHIN +/- 1" (+/- 2.54 CM)	0.675 (H – 6.42") + 9.5" 0.675 (H – 16.301 cm) + 24.13 cm	0.404 (H – 7.517") + 9.5" 0.404 (H – 19.093 cm) + 24.13 cm	0.404 (H – 7.175") + 9.5" 0.404 (H – 18.225 cm) + 24.13 cm
RECOMMENDED MINIMUM FLOOR OPENING, WIDTH	30" (76.20 cm)	30" (76.20 cm)	30" (76.20 cm)
RECOMMENDED MINIMUM FLOOR OPENING, LENGTH	72" (182.88 cm) + 2/3 Floor Thickness	54" (137.16 cm) + 2/5 Floor Thickness	54" (137.16 cm) + 2/5 Floor Thickness
MINIMUM RISER HEIGHT	6.417" (16.299 cm)	7.517" (19.093 cm)	7.175" (18.225 cm)
MAXIMUM RISER HEIGHT	7.700" (19.558 cm)	9.020 (22.911 cm)	9.566" (24.298 cm)
APPROXIMATE NET WEIGHT	1.428(H) + 32 lbs. (H < 120") 1.688(H) + 32 lbs. (H ≥ 120") 0.255(H) + 14.52 kg (H < 3.05m) 0.301(H) + 15.42 Kg (H ≥ 3.05m)	1.332(H) + 21 lbs. (H < 144") 1.488(H) + 31 lbs. (H ≥ 144") 0.238(H) + 9.53 kg (H < 3.66m) 0.266(H) + 14.06 Kg (H ≥ 3.66m)	.690 (H) + 20 lbs. 0.1232 (H) + 9.07 Kg

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*To reduce vibration, stairs in excess of 15' (4.57M) may require customer supplied sway bracing. For vertical heights in excess of 15' (4.57M) an intermediate platform with two stairs of equal height is recommended.

H = Height from upper finished floor to lower finished floor in inches (centimeters.) Customer supplied bracing/support is required for all platforms. The above formulas are for estimating purposes and are subject to change without notice. For more complete data, call for a complimentary dimensional print.