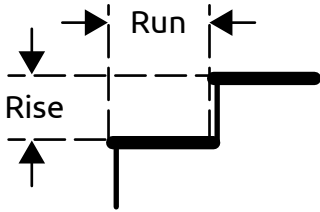


Handrail installation on stairs

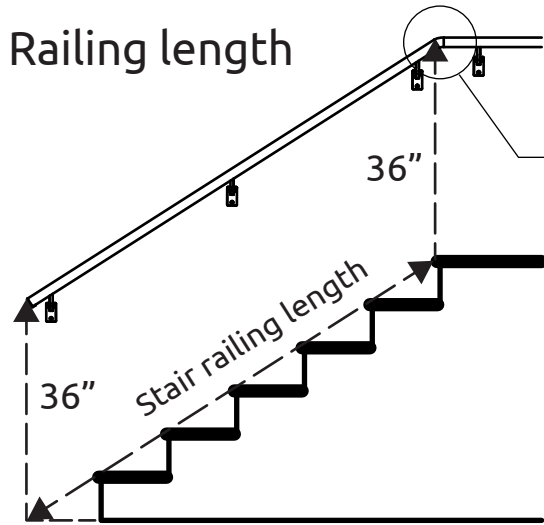
Stair pitch (angle)



Measure the rise and tread run as shown, and use the table to determine the pitch in degrees

Rise (in)	Run (Tread) (in)							
	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
6.0	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6
6.5	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4
7.0	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3
7.5	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0
8.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7
8.5	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3

Railing length



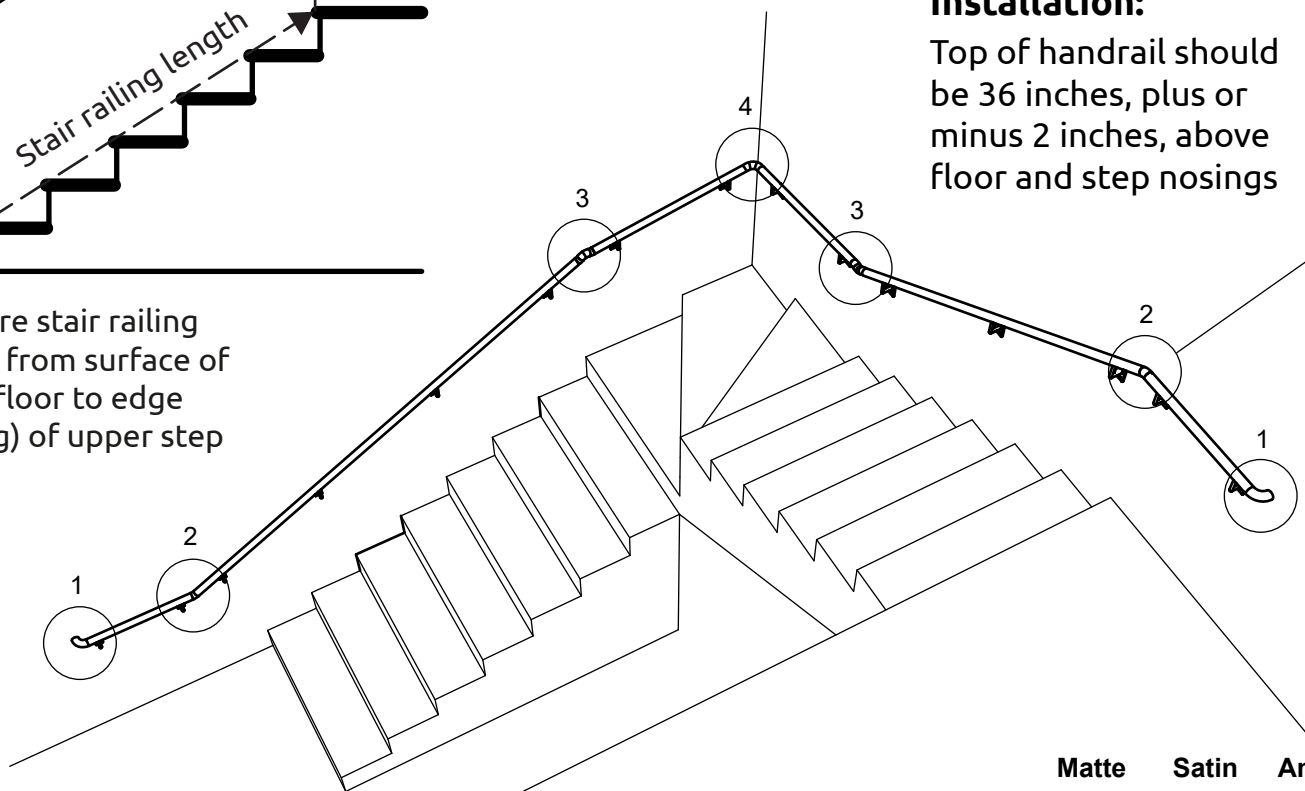
Measure stair railing length from surface of lower floor to edge (nosing) of upper step

If pitch is between 30 and 34 degrees, use 32-degree bends (PromenAid J32) between horizontal and sloped sections

For all other pitch angles, use PromenAid JU60 Universal bends

Installation:

Top of handrail should be 36 inches, plus or minus 2 inches, above floor and step nosings



Winding staircase Handrail fittings selection

Key	Description	Matte Nickel	Satin Black	Antique Brass
1	ADA return (shown) or Flush-fit endcap	AM EM	AB EB	AA EA
2	32-degree bend (standard pitch) or 0-60-degree bend (see table)	J32M JU60M	J32B JU60B	J32A JU60A
3	0-60-degree bend	JU60M	JU60B	JU60A
4	25-92-degree bend	JU90M	JU90B	JU90A