



# WALCOOM

Walcoom Corporation



## CHAIN LINK FENCE GATE

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# CHAIN LINK FENCE

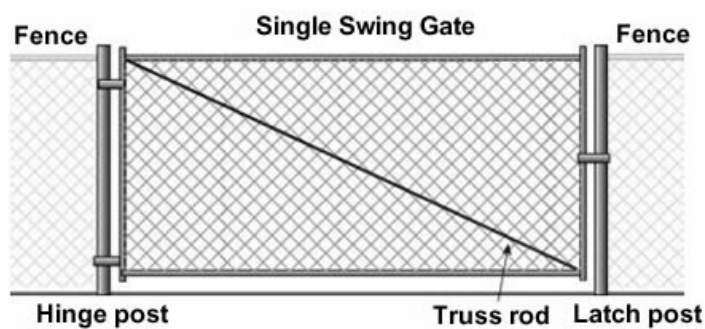
**Chain link fence gate** is a versatile product in many aspects, here, Walcoom provides buyers with sufficient strength and durability chain link fence gate for using in residential, commercial and industrial area.

Chain link fence gate general has two types, the first one is swing gate and the second is slide gate. Swing gate can be classified as single-leaf and double-leaf swing gate. Chain link slide gate basically with rollers and wide use at entrance area.

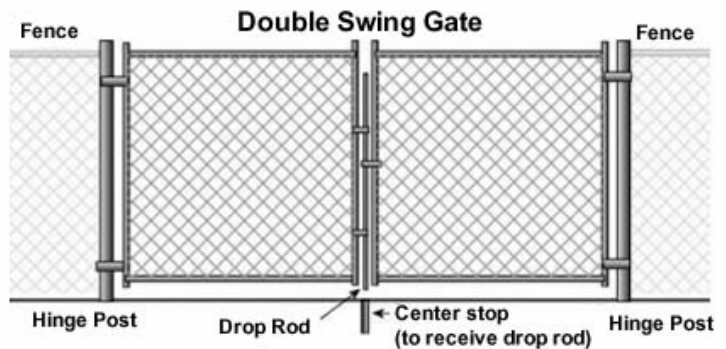
This PDF covers detail requirements for chain link fence gate, gate posts and accessories.

## Chain link fence gate

Chain link swing gate is one of the most popular tool for controlling people, vehicle or other things get in and get out. Chain link swing gates are classified into double swing gate and single swing gate.



Chain link single-leaf swing gate



Chain link double-leaf swing gate

Tables as bellow covers requirements dimensions for chain link fence gate accessories.

**Table-1: Minimum Dimension of Gate Frame**

Material: steel	Outside Dimension Pipe (in)	Wall Thickness (in)	Nominal Weight (lb/ft)
Round tube	1.315	0.065	0.8681
Square tube	1.25 by 1.25	0.065	1.05

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**Table-2: Gate Posts Gate Leaf Width**

**for gate leaf width of 48 in**

Material: steel	Outside Dimension Pipe	Wall Thickness (in)	Nominal Weight (lb/ft)
Round post	1.90	0.065	1.274
Square post	2 by 2	0.08	2.09

**for gate leaf width over 48 in**

Material: steel	Outside Dimension Pipe	Wall Thickness (in)	Nominal Weight (lb/ft)
Round post	2.375	0.095	2.31
Square post	2.5 by 2.5	0.083	2.73

## Requirements for chain link swing gate accessories

**Gate post:** all gate posts shall be strength enough that the deflection of the gate frame and the gate post at the end of the gate leaf shall not exceed the lesser of 2 % of the gate leaf width or 4".

### Direction of chain link swing gate

- 180°outward.
- 180°inward.
- 90°in and out.

### Latch

- **For single gate latch**
  - ◆ The latch shall be lockable design.
  - ◆ The latch shall be able to hold the gate in the closed position and provide padlock.
- **For double gate latch**
  - ◆ The latch shall be a drop rod or plunger bar to engage the stop.
  - ◆ The latch devices shall be have provision for a padlock.

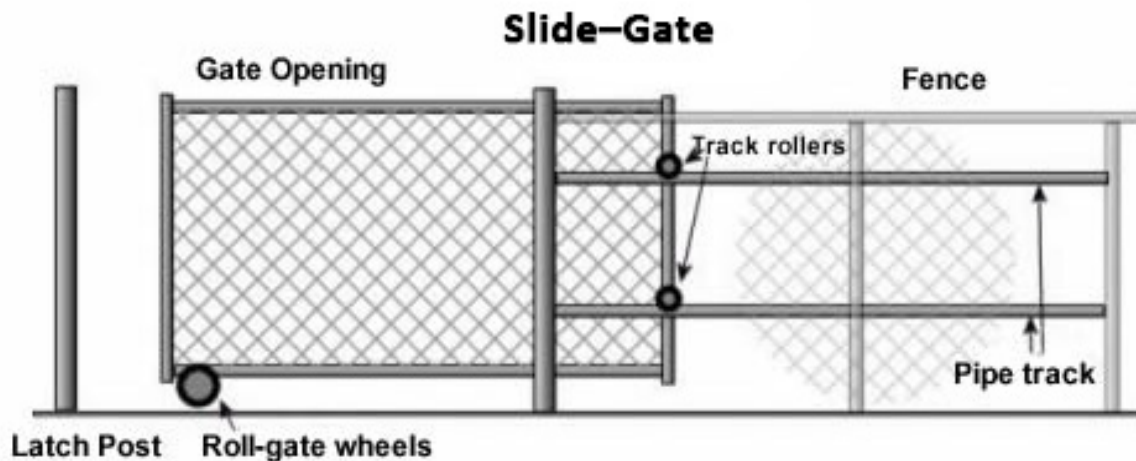
### Gate stops

- Gate stops shall be provided for all double gate.
- Gate stops shall be fit for mounting in concrete for the center drop rod or plunger bar.

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## Chain link slide gate

Chain link slide gate is equivalent to cantilever gate. It can be classified into two types. The first one is that steel frame gates and aluminum frame gate using external rollers. And the second is that steel frame gates and aluminum frame gate using internal rollers. Chain link slide gate is suitable to large-scale entrance area for example industrial entrance, warehouse entrance and public parking lot.



Chain link slide gate

Tables as bellow covers requirements dimensions for chain link slide gate.

**Table-1: Gate Frame Dimension**

Shape	Outside Dimensions (in)	Nominal Weighta
<b>6 ft (1.8 m) or less</b>		
Round tubular (steel)	1.66	1.83
Rectangle tubular (steel)	1.5	1.84
Round tubular (aluminum)	1.90	0.91
Rectangle tubular (aluminum)	2.00	0.91
<b>Over 6 ft (1.8 m)</b>		
Round tubular (steel)	1.90	2.28
Rectangle tubular (steel)	2.00	2.52
Round tubular (aluminum)	1.90	0.91
Rectangle tubular (aluminum)	2.00	0.91

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## Interior bracing<sup>b</sup>

Round tubular (steel)	1.66	1.83
Rectangle tubular (steel)	1.50	1.84
Round tubular (aluminum)	1.90	0.91
Rectangle tubular (aluminum)	2.00	0.91

## Note

- ※ Weight<sup>a</sup>, a means weight tolerance:  $\pm 5\%$ .
- ※ Bracing<sup>b</sup>, b means that gate shall have vertical interior bracing at maximum intervals of 8 ft (2.4 m), and shall have a horizontal interior member if fabric height is 8 ft (2.4 m) or more.

**Table-2: Gate Opening Width and Height**

Frame size	Outside diameter of pipe (in)	Nominal minimum weight of pipe (lb/ft)
4 ft (1.2 m) width or less	1.90	2.28
6 ft (1.8 m) height or less	2.375	3.11
<b>All heights, interior bracing</b>		
All gates	1.90	2.28
<b>All height, diagonal bracing</b>		
All gates	1.90	2.28

## Gate post

- **External rollers** shall be galvanized, malleable iron riding on a caged cylindrical roller or needle bearing. The bearing shall be a minimum of 90% of the width of the inside of the roller wheel. In addition, the roller shall be drilled, tapped and equipped with grease fitting. The gate posts with a minimum of two 5/8 in. (15.9 mm) diameter "U" bolts, nuts, and lock washers for each assembly.
- **Internal rollers** shall be composed by two swivel type trucks having sealed lubricant ball bearing wheels.

## Barbed wire

Barbed wire at the top of chain link slide gate, shall be extension to gate frame to confirm three strands of barbed wire. Except the minimum height for barbed wire mounted at the top of slide gates, the top barbed wire strand shall be approximately 1 ft above the top horizontal member.

## Gate support parts

The gate support parts shall coated with corrosion protection and shall be extend over the gate opening span.



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