

Series 5000 Specifications



DOOR

Series 5000 and Series 5250 (insulated version) roll-up doors are wind load certified up to a 20'-0" opening width and 20'-0" opening height. They are certified to the following design pressures:

Door width	Design pressure (psf)*
≤ 10'-0"	+60.4 / -68.2
11'-0"	+51.4 / -58.2
12'-0"	+44.4 / -50.5
13'-0"	+39.0 / -44.4
14'-0"	+34.6 / -39.5
15'-0"	+31.0 / -35.4
16'-0"	+28.0 / -32.0
17'-0"	+25.5 / -29.1
18'-0"	+23.3 / -26.6
19'-0"	+21.4 / -24.5
20'-0"	+19.8 / -22.7

*psf represents lb per square foot.

CURTAIN

The curtain has a thickness of 26 gauge (min. 0.016" in.) and is made of ASTM A653 structural steel, grade 80 with a full coat of primer and baked polyester finish coat. The corrugated sheets are interlocked mechanically to form the curtain.

The curtain add for steel mount (STL) doors is 4.5" and for masonry mount (CMS) doors is 6".

Series 5000 Specifications



WINDLOCKS

The windlocks for Series 5000 and Series 5250 are the “J” type with a gusset. There are six windlocks on each panel (three per side).

The windlocks are made of ASTM A653 G40 galvanized commercial steel Type B.

GUIDES

The guides thickness is 12 gauge (min. 0.097” in.) and are made of ASTM A653 G40 galvanized commercial steel Type B.

No angle or clips are to be welded to the guides for masonry jambs (CMS).

The anchor hole placement in the guides for both steel and masonry is the same. The rule developed for the anchors is as follows: 4” from bottom, then every 8” on center from the first bottom hole, with the last hole not closer than 8” from top and not farther than 10” from top.

WINDBARS

The windbars thickness is 12 gauge (min. 0.097” in.) and is made of ASTM A653 G40 galvanized commercial steel Type B.

The windbars have holes punched for attachment to the jambs together with the guides (from the inside of the guides). The rule developed for the position of these holes is as follows: 4” from bottom, then every 8” on center from the first bottom hole, with the last hole not closer than 6” from top and not farther than 8” from top.

FASTENERS

The fasteners for guide attachment to steel jamb are ITW Buildex self-drilling screws 1/4”-14 x 1”. For mounting the bracket to the 1/4” steel plate, two 3/8”-16 x 1-1/4” HH Grade 5 bolts with flat washers and Grade 2 nuts are used.

The fasteners for guide and bracket attachment to masonry jamb are ITW Tapcon XL 5/16” x 2-1/4”.

Series 5000 Specifications



BOTTOM ANGLE

The bottom angle is made from 2 x 1-1/2" x 11 gauge (min. 0.108" in.) galvanized steel angle ASTM A653. The bottom angle is bolted to the bottom bar using sets of two bolts and lock nuts spaced at max. 31-3/8" center to center of sets. Each set consists of two bolts spaced 6-1/4" on center. The bottom angle is notched at 3" from each end of the aluminum extrusion (bottom bar).

BOTTOM BAR

The bottom bar is made of 6063-T6 aluminum alloy extrusion.