



TITAN ALUMINUM ROLLING DOORS 500 SERIES



HIGHLIGHTS

- **Heavy duty construction**
- **Auto locking design**
- **Tubular profile 16ga. walls**
- **Torsion spring counterbalance**
- **Cast iron endlocks**
- **3" Extruded aluminum guides**
- **Pocket seal technology**
- **Full weatherstripping**
- **Slim line bottom bar**
- **Quiet operation**

CUSTOM COLOR PALETTE

- **Natural mill finish**
- **Anodized Finishes**
Clear • Bronze • Black
- **Powder coating**
Hundreds of colors to choose from!

SPECIFICATIONS

Furnish Titan Aluminum Rolling Doors, series 500 as manufactured by "USP" complete with curtain, hood, guides, counterbalance and options as specified.

Operation

- chain hoist using gear reduction and galvanized hand chain
- internal or external industrial motors
- hand crank using gear reduction

CURTAINS consists of interlocking AT3 TITAN slats extruded aluminum type 6061-63. Designed to offer a flush appearance on both sides. Auto locking feature causes the curtain to resist opening when force is applied from under the bottom bar. Tubular construction minimizes bilateral deflection. Wall thickness is (.055") 16 gauge per side. Each end of alternate slats are to be assembled with end locks to maintain slat alignment and to act as a wearing surface inside the guides. Slats are designed to withstand windloads of a 20 psf.

BOTTOM BAR to be extruded aluminum type 6061-63. Designed specifically for the TITAN SERIES Bottom bar shall have a rubber astragal to form a weather tight seal upon closing of service door.

SPRING COUNTERBALANCE is to be housed in a steel pipe of the appropriate diameter

and wall thickness as to support curtain. Deflection shall be limited to a maximum of .03" per ft. of door width. Springs are to consist of helical torsion type designed to meet a 25% safety load factor. Safety factor allows for safe operation, ease of use, and longer spring life. Springs are to be grease packed and anchored, using a cast iron anchor, to a cold rolled steel inner shaft. Spring tension shall be fully adjustable from outside of end bracket plate. To insure smooth operation end bracket plates shall contain sealed ball bearings to minimize wear of pipe shaft.

END BRACKET plates shall consist of steel plate no less than 3/16" thick. Bracket plates are to house pipe shaft and counterbalance assembly. Shaft is attached to plate by sealed ball bearings fitted onto plate.

POCKET SEAL GUIDES shall consist of extruded aluminum of adequate depth to provide for proper slat penetration and windloading. Guides to be fitted with nylon brush pile on inner walls. This sandwiches the curtain on both surfaces forming a seal between the curtain and guide, prohibiting airflow through the guides.

HOODS shall consist of a minimum of #24 U.S. gauge steel. Hoods are designed to protect and house counterbalance assembly.

FULL WEATHER STRIPPING shall include

- Neoprene hood baffle
- Nylon pile on all ends of guides
- Neoprene astragal attached to bottom bar

LOCKING for chain operated doors to be slidebolts mounted on bottom bar with provisions for padlocks. Gearing within motors to be self locking.

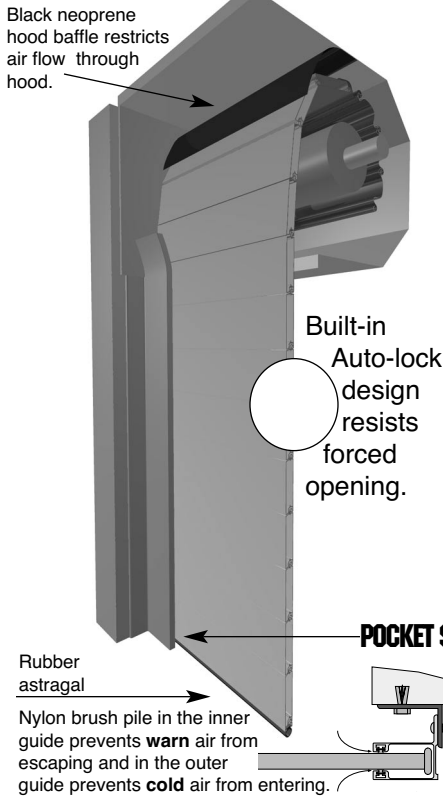
FINISH all non-galvanized surfaces shall receive a shop coat of rust inhibiting primer. Aluminum to have mill, anodized, or Powder Coated finish. Field painting not included in this section.

INSTALLATION to be by USP or by an authorized dealer.

OPTIONS

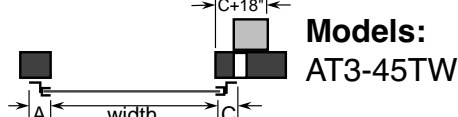
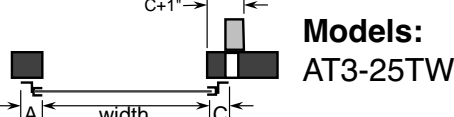
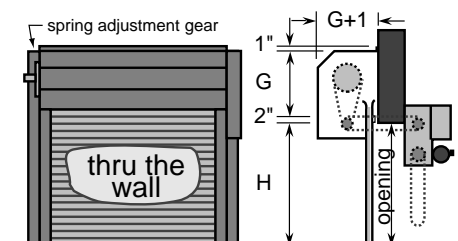
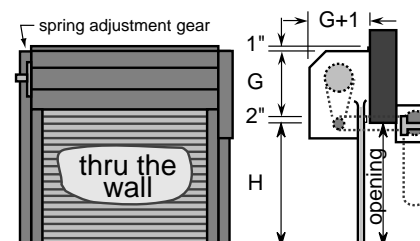
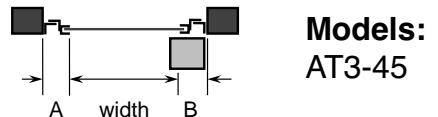
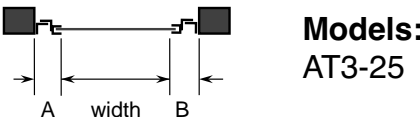
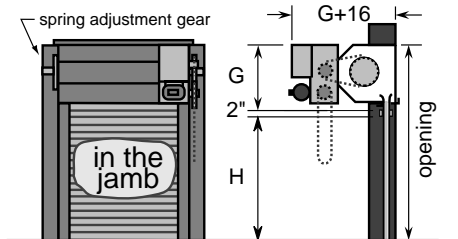
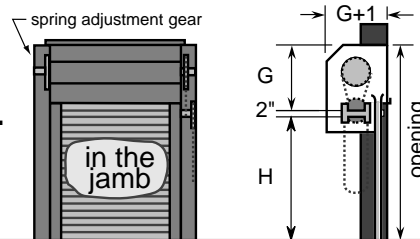
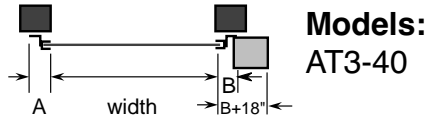
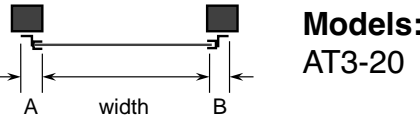
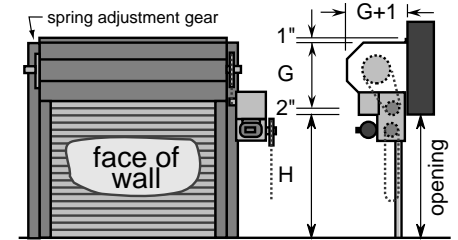
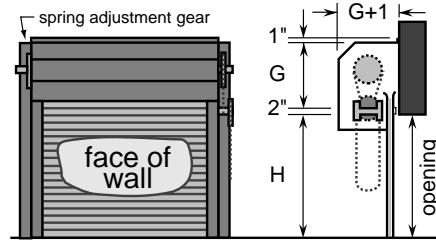
- High cycle springs
 - Powder coated slat finish
 - Vision lites
 - Pass door
 - Security panel
 - Designer Hood
 - Lintel baffle
 - Remote control*
 - Safety edge*
 - Timer to close*
- * Available only with motorized units.

CLEARANCE DETAILS 500 SERIES

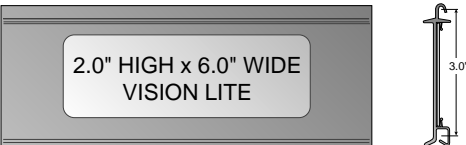


CHAIN OPERATION

MOTOR OPERATION



TITAN VISION



Our vision panels are made of the same aluminum as our Titan slats. The vision panel offers the same protection while allowing the secured area to remain visible. The standard configuration consists of 3 consecutive vision panels with acrylic windows at eye level.

CURTAIN TYPE

AT3 Aluminum Titan service door

CURTAIN FINISH

- MA** Natural Mill Finish
- CA** Clear anodized
- BLA** Black anodized
- BRA** Bronze anodized
- PC** Powder Coated (consult factory)

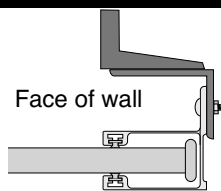
WIDTH	A	B	C
to 12'6"	6	8	9
12'6" to 18'6"	6	8	9
18'6" to 24'6"	6.5	9	9.5

HEIGHT	G
to 9'6"	16
9'6" to 11'6"	17
11'6" to 13'6"	18
13'6" to 16'6"	20
16'6" to 19'6"	22

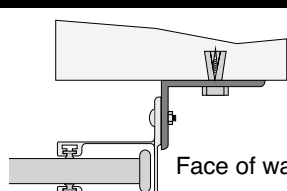
E-MOUNT

Z-MOUNT

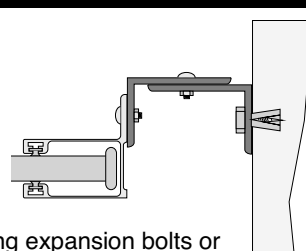
BETWEEN THE JAMBS



For fastening to steel using machine bolts or welding



For fastening to masonry using expansion bolts or through the wall threaded rods (if required.)



Where clearances are critical, dimensions may be reduced. Refer inquiries to our Engineering Department.

United Steel Products, Inc.
 33-40 127th Place
 Flushing, New York 11368
(718) 478-5330
<http://www.unitedsteelproducts.com>