Tell Manufacturing, Inc.

COMMERCIAL DOORS & HARDWARE

DOORS

Spartan Door

Made in USA

Tell MFG offers a complete line of standard hollow metal doors to fit your needs. Spartan Doors are available in 20 and 18 gauge steel. All doors come with a polyethylene core as standard, making every door smoother, flatter, and stronger. Spartan Doors are available in complete range of fire ratings (up to 3 hours) and are certified by Underwriters Laboratories. All door panels are manufactured from high quality galvanized steel and are thoroughly cleaned inside and out to ensure excellent corrosion resistance and paint adhesion. Spartan Doors come standard with a prime coat, ready to be finished. Factory applied finish coat paint is available in many colors. Contact customer service for pricing and quantities required.

Tell MFG follows the same set of performance specifications as other door manufacturers, as set forth in the Steel Door Institute (SDI) requirements.

Fire rated up to 3 hours

Non-handed

Insulated with polystyrene core

Galvannealed (standard)

Reinforced 16L hinge prep

Closer reinforcement (standard)

Meet ANSI standards

Universal 4 ½" hinge prep

Inverted top and bottom channel

Installed steel cap standard

Profile

TISR 2

NRKF

MB

MS2

DV

TR

TS

TI

16

ASA

A

WH

CR

Handing

RH

LH

Right Hand

Left Hand

Frame Series

SPARTAN FRAME

3070

3068

30HD

68HJ

70HJ

68SJ

70SJ

Profile

Gauge

14

16

Gauge

Optional

14 GAUZNEAL

16 GAUZNEAL

Lock Option

ASA IDB

ASA DB

Blanks

ASA DB

ASA DB

ASA DB

Paint Options

(ALL COLORS NOT LISTED)

BZ

PR

GR

OW

NP

WH

BZ

PR

GR

OW

NP

WH

*FIRE RATED FRAMES - STANDARD

— 1.5 HOURS ON 16 GAUZNEAL

— 3 HOURS ON 16 GAUZNEAL, OPTIONAL

— OPTIONAL - 3 HOURS UPON REQUEST

— AS PERMITTED

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— 1.5 HOURS ON 16 GAUZNEAL

— 3 HOURS ON 16 GAUZNEAL, OPTIONAL

— OPTIONAL - 3 HOURS UPON REQUEST

— AS PERMITTED

— Hinge Pattern Options

— 16 GAUZNEAL — STEELCRAFT (REPUBLIC)

— 16 GAUZNEAL — AMWELD

— 16 GAUZNEAL — REVERSIBLE

— 16 GAUZNEAL — BLANK (NOS TRIM)

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**Masonry Frames (MS)**

Tell MFG offers Spartan Masonry Frames in 16 gauge galvannealed steel. Frames are knock-down construction designed to be installed as a welded frame, or can be used as non-welded. Spartan Masonry Frames are available for 1 ¾” thick doors as standard. Precision interlocking corners provide a smooth attractive design and allow easy installation. Spartan Masonry Frames come standard with a prime coat, ready to be finished. Factory applied finish coat paint is available in many colors. Contact customer service for pricing and quantities required, for factory finish paint.

**Standard Features:**
- Spartan Masonry Frames come with ½” returns. Masonry, Wood, and Existing Opening Anchoring (E.O.A.) systems are all available.
- 16 gauge for 1-3/4” doors
- Precision fitted corners
- Galvannealed (standard)
- 7 gauge hinge reinforcements

**Stock Profile**

![Diagram of Typical Base and Wall Anchors](Diagram)

- 1-9/16” Throat Size
- Jamb Size = Throat Size + 1”
- 2” x 2-1/4” x 1-15/16”

**Door Dimensions**

![Diagram of Door Dimensions](Diagram)

**Door Height**

<table>
<thead>
<tr>
<th>Door Height</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>6’8”</td>
<td>7-3/8”</td>
<td>67-1/4”</td>
<td>39-9/16”</td>
<td></td>
</tr>
<tr>
<td>7’0”</td>
<td>7-3/8”</td>
<td>71-1/4”</td>
<td>43-9/16”</td>
<td></td>
</tr>
</tbody>
</table>

*With 3/4” undercut

**Other Sizes and Hinge Locations Available on Request**
Handing of doors and frames present a problem for many, even within the door industry. The below chart is designed to make your choice easy, reducing the chances of error.

**Spartan Doors Color Options**

- **Bronze BZ** (Toga)
- **Medium Gray** (MSD/Primer Gray) PR
- **Light Gray** (Telstar) GR
- **Off White** (Telstar) OW
- **True White** (Toga) WH
- **Bright White** (Telstar) BW
- **No Paint** NP

**SPARTAN DOORS HANDLING CHART**

Handing of doors and frames present a problem for many, even within the door industry. The below chart is designed to make your choice easy, reducing the chances of error.

**DOOR HANDING CHART**

1. Will accommodate 1-3/4” doors.
2. Frames are manufactured from 16 gage steel. A1008, or Galvannealed ASTM A653.
3. Frames are knocked down and field assembled with mitered corner joint. Welded frames are available.
4. Integral compression anchors allow easy adjustment.
5. Snap-in, strap or dimple base anchors available.
6. Head jams are reinforced with closer reinforcements when required.
7. Hinge reinforcements are 10 ga (.125 Min) steel.
8. Strike preparation is 4-7/8 ASA with integral box. Deadbolt strike preps available.
9. Hinge and strike locations are available in manufacturers standard locations. Custom locations are available special order.
10. Frames are prepped for three silencers per single frames.
11. Frames are e-coated with environmentally friendly water base gray. E-coat will serve as primer or top coat. Special colors available on volume orders.
12. Shim plate is attached for on-site vertical shimming.
13. Fire rating (UL) is available for most sizes.
15. Hardware preparations, reinforcements and locations comply with ANSI A250.6-2003 and ANSI/BHMA A156.115.
**D R Y W A L L  F R A M E S (D W)**

**STANDARD FEATURES:**

All **S P A R T A N  D R Y W A L L  F R A M E S** come with adjustable compression anchors in each jamb. These anchors provide a tight rigid fit in the opening.

- 16 gauge for 1-3/4” doors
- Precision fitted corners
- Galvannealed (standard)
- 7 gauge hinge reinforcements
- Heavy duty strike reinforcements

- Fire rated up to 1-1/2 hours. Available on frame openings up to 8”-0” high and 3’-8” wide single door, 7’-4” double door.
- Meets ANSI standards
- Universal 4 1/2” hinge prep

**TYPICAL WALL CONSTRUCTION**

Unequal Rabbet Frame

**COMPRESSION ANCHOR**

**STANDARD FEATURES:**

- All **S P A R T A N  D R Y W A L L  F R A M E S** come with adjustable compression anchors in each jamb. These anchors provide a tight rigid fit in the opening.
- 16 gauge for 1-3/4” doors
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- Meets ANSI standards
- Universal 4 1/2” hinge prep

**FEATURES AND BENEFITS:**

Spartan Series Doors offer the following standard unique features, which enhance long term performance and durability:

1. Polystyrene core system enhances the structural integrity of the door, while significantly reducing the weight.
2. Full height, epoxy filled mechanical interlock edges provide structural support and stability along the full height of the door edges.
3. Polished universal hinge preparations allow for easy field conversion from standard weight (150) hinges to heavy weight (180) hinges.
4. 18 gauge top and bottom channels provide stability and protection for the top and bottom edges from abuse.
5. Square hinge and lock edges allow for non-handed options and eliminate handling issues in the field.
6. All steel glass trim provides a clean, neat, and flush finish with the door surface.
7. Factory applied baked on rust inhibiting primer in accordance with ANSI A250.7b.
8. Calculated R-Value of 7.14

**SPECSIFICATION COMPLIANCE:**

1. Door construction for the Spartan Series Hollow Metal Doors meets the requirements of ANSI A250.8-1998 (commonly referred to as S2A-103).
2. Hardware preparations and reinforcements are in accordance with ANSI A250(6-1997) Locations are in accordance with ANSI/DHI AT15.

**FIRE RATINGS:**

The Spartan Series doors meet the broadest fire rating requirements. They are listed for installations requiring compliance to both negative pressure testing (ASTM E152 and UL-10B) and positive pressure standards (ULC 7-2 and UL-10C).

**STEEL THICKNESS:**

<table>
<thead>
<tr>
<th>Steel Thickness</th>
<th>Opening</th>
<th>Usage Frequency</th>
<th>Frame Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-Gage Galvanized</td>
<td>Interior &amp; Exterior</td>
<td>Extra-Havy Duty</td>
<td>16 &amp; 16-Gage Steel Frames</td>
</tr>
<tr>
<td>18-Gage Galvanized</td>
<td>Interior &amp; Exterior</td>
<td>Heavy Duty</td>
<td>18-Gage Steel Frames</td>
</tr>
<tr>
<td>23-Gage Galvanized</td>
<td>Interior &amp; Exterior</td>
<td>Standard Duty</td>
<td>16-Gage Steel Frames</td>
</tr>
</tbody>
</table>

**MATERIAL:**

All doors are supplied with a factory applied baked on coat of paint. Depending on environmental conditions this factory applied paint may serve as a finished paint or may be finish painted in the field.

**PROPRIETARY AND CONFIDENTIAL:**

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FRAMES

TELL MFG offers Spartan Frames in 16 gauge galvannealed steel. Frames are knock-down construction and are designed to be installed on standard and non-standard wall sizes over pre-finished or unfinished drywall. Spartan steel frames are available for 1-3/4” thick doors. They have precision mitered corners, providing a smooth attractive design and easy installation. Spartan Frames come standard with a prime coat, ready to be finished. Factory applied finish coat paint is available in many colors. Contact customer service for pricing and quantities required, for factory finish paint.

TELL MFG follows the same set of performance specifications as other door manufacturers, as set forth in the Steel Door Institute (SDI) requirements.
R-U Value Insulation Specs for Spartan Doors

Specifications:
1. Doors shall be formed from two 20 or 16 gauge Galvanized Steel per ASTM A524 and A653 and shall be 1-3/4" thick.
2. Doors shall have a core of rigid Polystyrene. The core shall have a nominal density of 1.0 #/ft³ with a calculated "R" factor of 5.12. The door panels shall have a calculated "U" factor of 0.14.
3. Doors shall have vertical mechanical interlocking seams on hinge and lock edges. There shall be no seam on the faces of door.
4. Exterior doors shall be caulked to retard moisture penetrating the door.
5. All hinge reinforcement shall be 3/16" thick.
6. All doors shall be internally reinforced with a 12 gauge plate on both sides of the door for application of surface applied door closures and hold downs.
7. All doors shall be sprayed and given one coat of baked-on rust inhibitive primer in accordance with ANSI A250.10-2004. All fire rated doors, where indicated, shall be manufactured in accordance with UL procedures and bear the appropriate classification mark (label).
8. Door construction complies with ANSI A250.8-2003 (SD 100)
9. Doors shall be packaged to minimize damage in transit and handling.
10. Hardware reinforcements are in accordance with ANSI A250.6-2003. Locations are in accordance with ANSI/BHMA A156.115