



# HOLLOW METAL DOOR COMMON INFORMATION

## GAUGES/USAGE:

- 20-gauge, light used, interior
- 18 gauge, medium to heavy use, interior and exterior
- 16-gauge, heavy use interior and exterior
- 14-gauge, extremely heavy use, interior and exterior

## MATERIAL:

- Galvannealed Steel

## SEAMS:

- LS (Lockseam): This is the most common seam used by manufacturers to construct doors.
  - Fully Welded Seams: This is a process that must be done by the manufacture and is typically only available on 16 and heavier doors.
  - \*Tackwelded Seams: This is typically performed by the distributor. This process may vary from distributor to distributor: Tack weld every approx. 6", grind and prime. This is not as cosmetically appealing as Tackweld & Filled Seams.
  - \*Tackweld & Filled Seams: This is typically performed by the distributor. This process may vary from distributor to distributor: Tack weld seams, grind, fill and prime. This is more cosmetically appealing than Tackwelded only seams.
- \* These processes prolong the life and strength of the door, reducing or lengthening the time before the door will delaminate.

DOOR CORES	* Thermal Insulation			**Acoustic Insulation	Note: Information is only an estimate - not certified.
	U-FACTOR	R-VALUE	(RSI)	STC RATING	
Honeycomb	0.40	2.5	(0.4)	32	* The lower the U-FACTOR, or the higher the R-VALUE, the better the insulation properties of the door.
Polyurethane	0.09	11.1	(1.9)	34	
Polystyrene	0.15	6.6	(1.1)	34	
Temperature Rise	0.30	3.25	(0.6)	34-35	** The higher the SCT RATING, the better the sound-deadening characteristics of the door.
Steel-Stiffened	0.85	1.2	(0.2)	24	
Solid Core Wood Door	(0.45)	(2.2)	(0.4)	(26)	

## STANDARD PREPERATIONS:

- Hinges: 3 (1-1/2) Pairs of Regular Weight 0.134"(3.4) thickness with "dimples" that can be removed (grinding) for use with Heavy Weight Hinges 0.180" (4.57mm) thickness. Hinges not included.
- RP (Rim Panic): Blank door that is reinforced for and can be prepared for Exit Device if required.
- 161: Standard cylindrical lock prep
- Many other optional preparations are also available as required.

## STANDARD SIZES:

- Widths: 2'0" (610) to 3'0" (914) in 2" (51) increments, 3'2" (965), 3'6" (1066), 4'0" (1219)
- Heights: 6'8" (2032), 7'0" (2134)