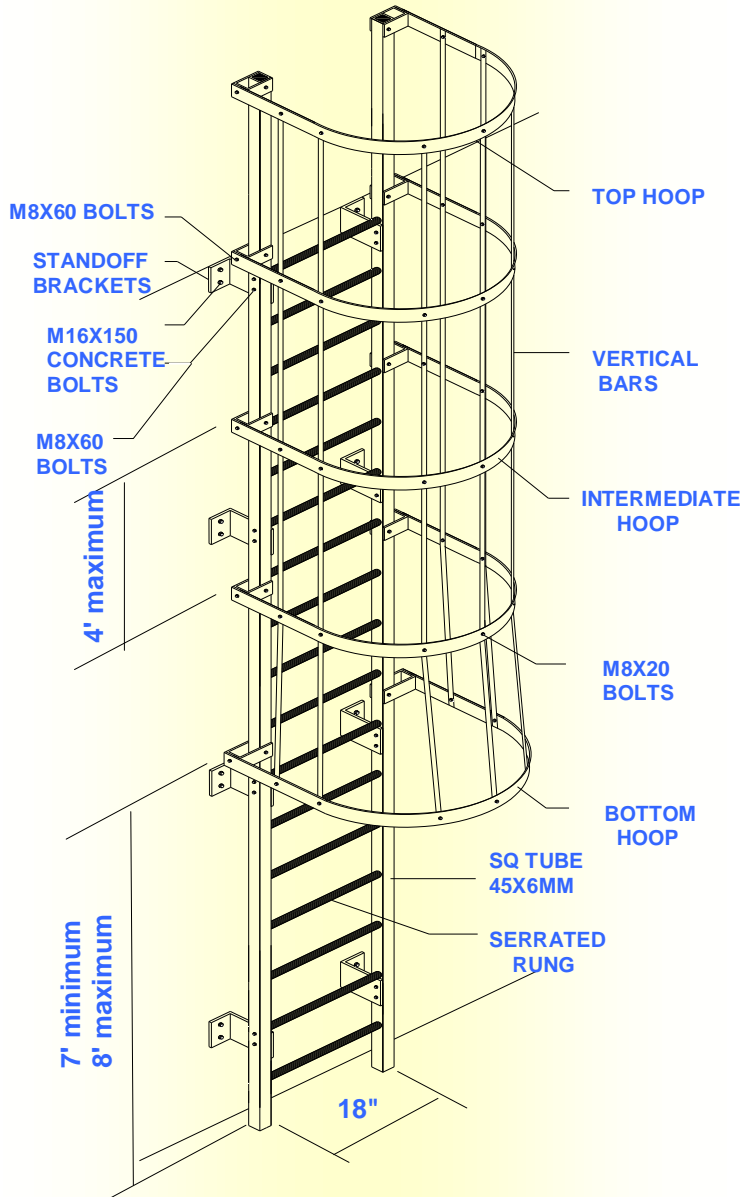


LADDER AND SAFETY CAGE TECHNICAL DATA



LADDER SYSTEM

1.0 LOADING REQUIREMENTS

- 1.1 SPI ladder system is designed to directly meet the specified loading requirements of the Occupational Safety and Health Administration (OSHA) federal register, volume 39, no.125, section 1910.27, "fixed ladders" minimum live load requirement of a 200 lb concentrated load at the mid-point of the rung with a safety factor of 4.0.
- 1.2 Load / Deflection test will be conducted at SPI own QC premises using the Ladder Rail Horizontal beam deflection Test.

2.0 LADDER ARRANGEMENT AND DIMENSIONS

- 2.1 SPI ladder system consist of ladder side rail 1-3/4 square tube with wall thickness of 1/4" or greater. The rung shall be 1-1/4 diameter x 1/4" thick. Rungs that are gritted as a secondary operation shall not be permitted.
- 2.2 Ladders shall be in vinyl ester and polyester fire-retardant resin formulation in a safety yellow color.
- 2.3 Type 316 SS bolts/nuts/washers shall be provided for attaching ladder.

3.0 LADDER TECHNICAL DATA

- 3.1 Rung Spacing (center to center) 12"
- 3.2 Inside width (inside rail to rail) 18"
- 3.3 Outside width (outside rail to rail) 21-1/2"

4.0 SAFETY CAGE TECHNICAL DATA

- 4.1 Cage shall begin minimum of 7' to maximum of 8' above base of ladder (floor).
- 4.2 Cage shall not be less than 27" of width
- 4.3 Cage to extend minimum of 42" above top of landing
- 4.4 Cage hoop to hoop spacing (center to center) 4' maximum.

ITEMS	DESCRIPTION
Top Hoop	27" from center line of rung to inside of hoop
	3" wide x 1/4" flat bar
Intermediate Hoop	27" from center line of rung to inside of hoop
	3" wide x 1/4" flat bar
Bottom Hoop	31" from center line of rung to inside of hoop
	3" wide x 1/4" flat bar
Vertical Bars	1 1/2" wide x 1/4" flat bar
	Maximum spacing of 40° around the cage
Standoff Brackets	3" x 6" x 1/3" Angle, 6-1/2" Long
	7" from wall to center of rung

FOR FURTHER INFORMATION, PLEASE CONTACT

SAUDI PULTRUSION INDUSTRY

P. O. BOX 2531

ALKHOBAR 31952, KSA

Tel. No. 038580404 Fax No. 038580202

Website: www.saudi-pultrusion.com OR info@saudi-pultrusion.com