

## Steel: Ultimate Loads Capacities for Vertical Steel Hangerz <sup>1,2,3,4</sup>

ASTM A36 Steel, ASTM A572 Purlins

Rod Dia. (in.)	Style	Screw Thread Size and Length (in.)	Minimum Steel Gauge (Thickness)				
			20	18	16	14	12
1/4	Vertical	1/4-20 x 1-1/2	350	570	800	1000	2000
3/8	Vertical	1/4 x 1	1300	1900	3400	3800	3750
3/8	Vertical	1/4 x 1-1/2	1300	1900	3400	3800	--
3/8	Vertical	12-20 x 1-1/2	1300	1900	2000	2000	2500

1. Allowable load capacities for Vertical Steel Hangerz were calculated using an safety factor of 4:1
2. In some states, design codes may accept lower allowable loads- please make sure to check your local codes to see what applies.
3. Minimum edge distance must be 1" and spacing must be 2".
4. Consideration of safety factor of 20 or higher may be necessary depending on certain applications, such as, sustained tensile loading applications.

## Steel: Allowable Loads Capacities for Vertical Steel Hangerz <sup>1,2,3,4</sup>

ASTM A36 Steel, ASTM A572 Purlins

Rod Dia. (in.)	Style	Screw Thread Size and Length (in.)	Minimum Steel Gauge (Thickness)				
			20	18	16	14	12
1/4	Vertical	1/4-20 x 1-1/2	87	143	200	250	500
3/8	Vertical	1/4 x 1	325	475	850	950	935
3/8	Vertical	1/4 x 1-1/2	325	475	850	950	935
3/8	Vertical	12-20 x 1-1/2	325	475	500	500	625

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