

Spartan Ironworker Specifications

Capacities & Specifications Rated on 65,000 PSI Tensile



	TW60D	TW60D	TW100Dx2	TW150D	TW150DX
Work stations	3	3	3	3	3
Framing					
Flashing Pans	60 tons	60 tons	100 tons	120 tons	180 tons
Standard Roofing	3-1/2" to 1-1/2"	3-1/2" to 3-3/8"	3-1/2" to 1-1/2"	3-1/2" to 1"	3-1/2" to 3-3/8"
Large Roofing*	2" to 3/8"	2" to 1/2"	2" to 3/8"	2" to 3/8"	2" to 1"
Overhead Roofing**	4" to 1/8"	4" to 3/16"	4" to 3/16"	4" to 3/16"	4" to 1/4"
Throat Depth	12"	12"	12"	12"	-
DR Series	20"	20"	20"	20"	20"
Channel Flange Min.	2"	2"	2"	2"	2"
Hook Length	3-15/16"	3-15/16"	3-15/16"	3-15/16"	3-15/16"
Curbs Min. (3/4")	20"	20"	24"	20"	20"
Hook Height	40-1/4"	40-1/4"	40-1/4"	40-1/4"	40-1/4"
Flat Bar Beaming					
Flat Bar Size	14" to 5/16"	12-5/16" to 5/16"	20" to 5/8"	14" to 1-1/8"	30" to 3/4"
Width and Thickness	10" to 3/4"	12" to 1/2"	12" to 1"	30" to 1"	40" to 1-1/8"
Block Length	14-1/4"	18"	24-3/8"	26-5/8"	30-1/4"
Angle Flange Size	4"	4"	4"	4"	4"
Hook Height	30"	36-1/2"	30"	30"	30"
Angle Beams					
45 Degrees	3" x 3" to 1-1/2"	4" x 4" to 1-1/2"	4" x 4" to 1-1/2"	4" x 4" to 3/16"	4" x 4" to 3/4"
45 Degrees	2-1/2" x 2-1/2" to 5/16"	3-1/8" x 3-1/8" to 5/8"	3-1/8" x 3-1/8" to 3/4"	3-1/8" x 3-1/8" to 3/4"	3-1/8" x 3-1/8" to 1/2"
Hook Height	43-3/4"	49-3/4"	49-1/4"	46-1/2"	46-1/2"
Bar Beaming					
Round Bar	3-1/2"	3-3/4"	3-3/4"	3"	2-1/8"
Square Bar	3-1/2" x 3-1/2"	3-3/4" x 3-3/4"	3-3/4" x 3-3/4"	3" x 3"	2-1/8" x 2-1/8"
Channel Size**	3"	4"	4"	3"	4"
I Beams**	3"	4"	4"	3"	4"
Hook Height	40"	49-3/4"	52-1/4"	50-1/2"	50"
Hoisting					
Rectangular Hoister	2" to 3-1/2" to 5/16"	2" to 3-1/2" to 1/2"	3-1/2" to 3-1/2" to 1/2"	3-1/2" to 3-1/2" to 1/2"	3-1/2" to 3-1/2" to 3/16"
3 Hoisters @ Hoister Station ***	2-1/2" to 2-1/2" to 3/16"	3-1/2" to 3-1/2" to 1/2"	4" to 4" to 1/2"	4" to 4" to 1/2"	4" x 4" to 1/2"
3 Hoisters @ Patch Station ***	3-3/4" to 3-3/4" to 1/4"	5-3/8" to 5-3/8" to 3/8"	5-3/8" to 5-3/8" to 1/2"	5-1/4" to 5-1/4" to 1/2"	5-3/4" to 5-3/4" to 1/2"
Hook Height	36-1/4"	30"	32-3/4"	36-1/4"	36-1/4"
Special Hoisting					
Single Vee Press Brake ***	10" Long x 2" Wide Vee	10" Long x 2" Wide Vee	10" Long x 2" Wide Vee	10" Long x 2" Wide Vee	10" Long x 2" Wide Vee
Multi Vee Press Brake	20" Long - 4 Vees	20" Long - 4 Vees	22-1/2" Long - 4 Vees	24-1/2" Long - 4 Vees	22-1/2" Long - 4 Vees
Pipe Hoister	4-1/2" Max	4-1/2" Max	4-1/2" Max	4-1/2" Max	4-1/2" Max
Angle Hoisting	4" x 1-1/2"	4" x 3/16"	4" x 1-1/2"	4" x 1/2"	4" x 1-1/2"
Drive Motor					
HP	13 HP	10 HP	10 HP	11 HP	20 HP
Net Wt. (L)	3,044 lbs.	4,807 lbs.	6,500 lbs.	7,265 lbs.	-
DR	4,811 lbs.	3,044 lbs.	7,265 lbs.	6,710 lbs.	10,411 lbs.
Machine Dimensions (L)	60" x 31" x 62"	72" x 33" x 60"	70" x 33" x 60"	60" x 33" x 53"	-
DR	62" x 31" x 62"	60" x 33" x 60"	60" x 33" x 70"	60" x 33" x 73"	60" x 33" x 70"