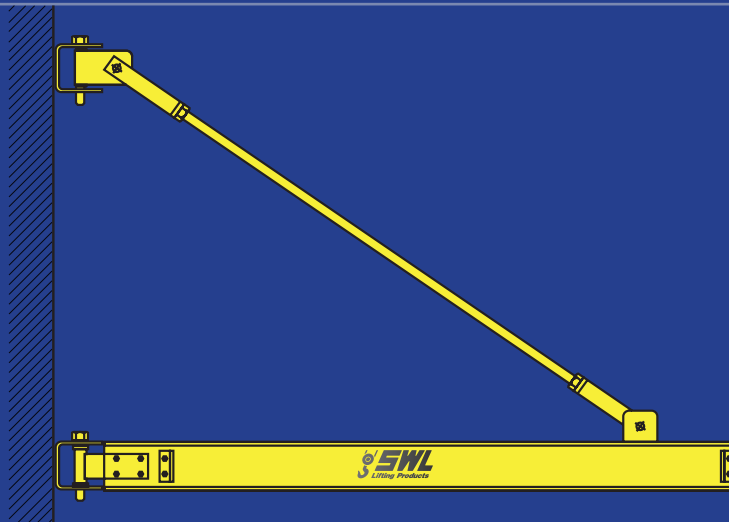




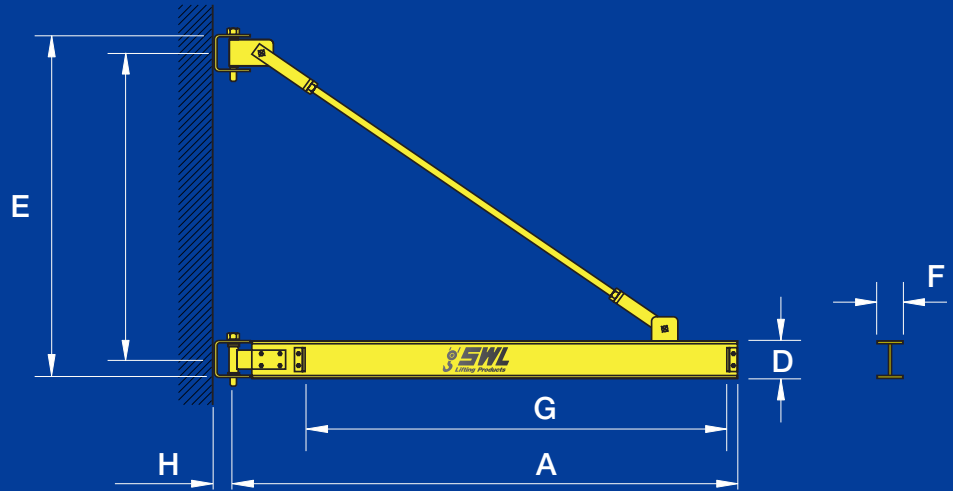
# Wall Bracket Jib Cranes

## Series WB-180



The excellent design and heavy duty construction of SWL jib cranes provide a superior quality product that will offer years of long term value.

All SWL jib cranes are pre-engineered for powered hoist operation. The hoist and trolley allowance is 15% of the capacity.



# Specifications

Capacity [tons]	Span	Hinge Kit No.	B (a) Bracket Centers	D	W (b) Beam	C Cap Channel Length	Tie Rod Diameter	Tie Rod Length (d)	Thrst and Pull (c) [lbs.]	Net Weight of Crane [Approx. lbs.]	Suggested Beam Length
½	8'	WB-1	2' - 9"	1' - 3"	6		1"	6' - 1½"	3720	265	7' - 7½"
	10'		3' - 0"	1' - 6"	6			7' - 10¼"	4420	300	9' - 7¾"
	12'		3' - 9"	1' - 9"	6			9' - 9"	4360	335	11' - 7¾"
	14'		4' - 6"	2' - 0"	6			11' - 7½"	4330	375	13' - 7¾"
	16'		5' - 6"	2' - 6"	6			13' - 10½"	4120	410	15' - 7¾"
	18'		6' - 0"	2' - 0"	7			15' - 11"	4400	495	17' - 7¾"
	20'		6' - 6"	2' - 3"	8			17' - 8½"	4680	600	19' - 7¾"
	22'		7' - 0"	2' - 3"	8c6	18' - 9"		19' - 9¼"	5130	905	21' - 7¾"
	24'		7' - 6"	2' - 6"	8c6	20' - 6"		21' - 7"	5350	975	23' - 7¾"
	26'		8' - 0"	2' - 0"	10c6	22' - 6"		23' - 8½"	5810	1230	25' - 7¾"
	28'		9' - 0"	3' - 0"	10c6	24' - 0"		25' - 4¼"	5680	1315	27' - 7¾"
30'	10' - 0"	3' - 6"	12c8	25' - 6"	27' - 1"	6040	1710	29' - 7¾"			
1	8'	WB-1	2' - 9"	1' - 3"	6		1"	6' - 1½"	7280	265	7' - 7¾"
	10'		3' - 0"	1' - 6"	6			7' - 10¼"	8620	300	9' - 7¾"
	12'		3' - 9"	1' - 9"	6			9' - 9"	8640	335	11' - 7¾"
	14'		4' - 6"	2' - 0"	7			11' - 7½"	8440	415	13' - 7¾"
	16'		5' - 6"	2' - 3"	7			13' - 7½"	8010	455	15' - 7¾"
	18'		6' - 0"	2' - 6"	8			15' - 5"	8450	555	17' - 7¾"
	20'		6' - 6"	2' - 6"	10			17' - 5¼"	8980	745	19' - 7¾"
	22'		7' - 0"	2' - 9"	10c6	18' - 3"		19' - 3¼"	9580	1065	21' - 7¾"
	24'		7' - 6"	2' - 9"	10c6	20' - 3"		21' - 3¼"	9890	1150	23' - 7¾"
	26'		8' - 0"	3' - 0"	10c6	22' - 0"		23' - 1½"	10190	1230	25' - 7¾"
	28'		9' - 0"	3' - 6"	12c8	23' - 6"		24' - 10¼"	10320	1610	27' - 7¾"
30'	10' - 0"	3' - 6"	12c8	25' - 6"	27' - 1"	10100	1710	29' - 7¾"			

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# Wall Bracket Jib Cranes Series WB-180

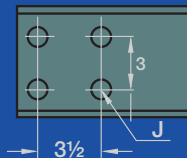
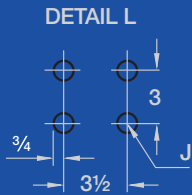
## Specifications (cont.)

Capacity [tons]	Span	Hinge Kit No.	B (a) Bracket Centers	D	W (b) Beam	C Cap Channel Length	Tie Rod Diameter	Tie Rod Length (d)	Thrust and Pull (c) [lbs.]	Net Weight of Crane [Approx. lbs.]	Suggested Beam Length
2	8'	WB-2	2' - 9"	1' - 3"	8		1½"	6' - 0½"	14480	375	7' - 7¼"
	10'		3' - 0"	1' - 6"	8			7' - 10"	17170	435	9' - 7¼"
	12'		3' - 9"	1' - 9"	8			9' - 8½"	16790	495	11' - 7¼"
	14'		4' - 6"	2' - 0"	8			11' - 7¼"	16590	550	13' - 7¼"
	16'		5' - 6"	2' - 3"	10			13' - 6½"	16880	720	15' - 7¼"
	18'		6' - 0"	2' - 3"	10			15' - 7¼"	16570	795	17' - 7¼"
	20'		6' - 6"	2' - 6"	12			17' - 4½"	17320	1000	19' - 7¼"
	22'		7' - 0"	2' - 6"	8c6	12c8		19' - 15½"	18320	1420	21' - 7¾"
	24'		7' - 6"	3' - 0"	8c6	12c8		21' - 0½"	18860	1535	23' - 7¼"
	26'		8' - 0"	3' - 6"	10c6	12c8		22' - 7¼"	19360	1650	25' - 7¼"
	28'		9' - 0"	3' - 6"	10c6	12c8		24' - 10"	18720	1760	27' - 7¼"
30'	10' - 0"	3' - 0"	12c8	12c8	27' - 6¼"	18220	1895	29' - 7¼"			
3	8'	WB-3	2' - 9"	1' - 3"	6		1½"	6' - 1¼"	21600	435	7' - 6⅝"
	10'		3' - 3"	1' - 6"	6			7' - 11'	23550	490	9' - 6⅝"
	12'		4' - 0"	1' - 9"	6			9' - 9½"	23570	630	11' - 6⅝"
	14'		4' - 9"	2' - 0"	7			11' - 8¼"	23530	700	13' - 6⅝"
	16'		5' - 6"	2' - 3"	7			13' - 7"	23510	765	15' - 6⅝"
	18'		6' - 3"	2' - 3"	8			15' - 8¼"	23680	950	17' - 6⅝"
	20'		7' - 0"	2' - 6"	10	16' - 6"		17' - 7¼"	24060	1340	19' - 6⅝"
	22'		7' - 9"	2' - 6"	10c6	18' - 6"		19' - 9"	14240	1450	21' - 6⅝"
	24'		8' - 6"	3' - 0"	10c6	20' - 0"		21' - 5"	24220	1565	23' - 6-5/8"
	26'		9' - 3"	3' - 0"	10c6	22' - 0"		23' - 6½"	24310	1940	25' - 6⅝"
	28'		10' - 0"	3' - 0"	12c8	24' - 0"		25' - 8"	24410	2065	27' - 6⅝"
30'	11' - 0"	3' - 0"	12c8	26' - 0"	27' - 10½"	23950	2185	29' - 6⅝"			
5	8'	WB-5	3' - 0"	1' - 6"	12		2"	5' - 10¼"	33000	780	7' - 6-1/4"
	10'		3' - 3"	1' - 6"	12			7' - 10'	39260	860	9' - 6¼"
	12'		4' - 0"	1' - 9"	12			9' - 7"	39070	940	11' - 6¼"
	14'		4' - 9"	2' - 0"	12			11' - 7½"	38970	1020	13' - 6¼"
	16'		5' - 6"	2' - 6"	15			13' - 3"	39180	1280	15' - 6¼"
	18'		6' - 3"	3' - 0"	15			14' - 11"	39150	1385	17' - 6¼"
	20'		7' - 0"	3' - 6"	15c10	15' - 3"		16' - 7"	39660	1755	19' - 6¼"
	22'		7' - 9"	3' - 6"	15c10	17' - 3"		18' - 8½"	39740	1885	21' - 6¼"
	24'		8' - 6"	3' - 6"	15c10	19' - 3"		20' - 10¼"	39850	2015	23' - 6¼"
	26'		9' - 3"	3' - 6"	15c10	21' - 3"		23' - 0"	39960	2145	25' - 6¼"
	28'		10' - 0"	3' - 6"	15c10	23' - 3"		25' - 1½"	40070	2690	27' - 6¼"
30'	11' - 0"	3' - 6"	15c10	25' - 3"	27' - 4¼"	39280	2835	29' - 6¼"			

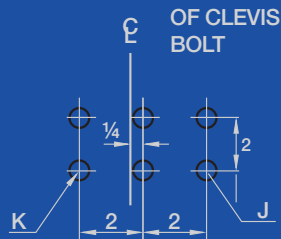
# Bolt Mounting Pattern

## WB-1

A = SPAN-16      E = 13½  
 F = 3½          G = 3½  
 J = ¾" bolts      K = ½" bolts  
 M and H Hardware kit No. 4110110  
 Tie Rod No. 4110210 (Specify Length)



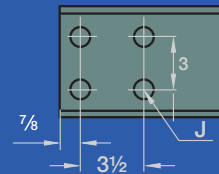
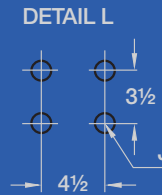
DETAIL M



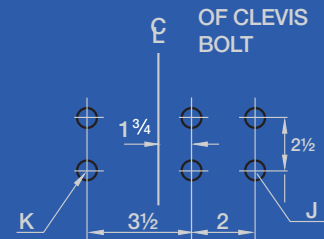
DETAIL N

## WB-2

A = SPAN-16      E = 13½  
 F = 4              G = 4 1/8"  
 J = ¾" bolts      K = 5/8" bolts  
 M and H Hardware kit No. 4110120  
 Tie Rod No. 4110220 (Specify Length)



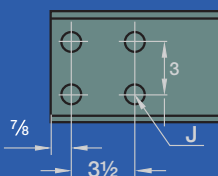
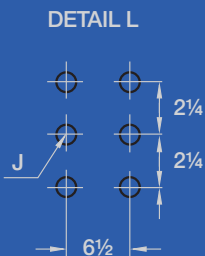
DETAIL M



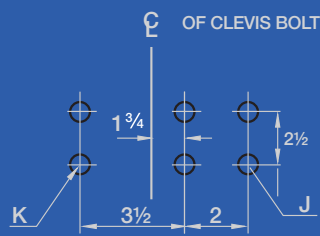
DETAIL N

## WB-3

A = SPAN-16½      E = 14  
 F = 4              G = 4 5/8"  
 J = ¾" bolts      K = 5/8" bolts  
 M and H Hardware kit No. 4110130  
 Tie Rod No. 4110230 (Specify Length)



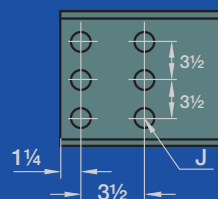
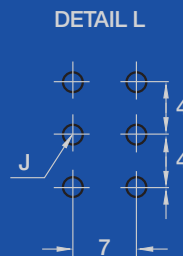
DETAIL M



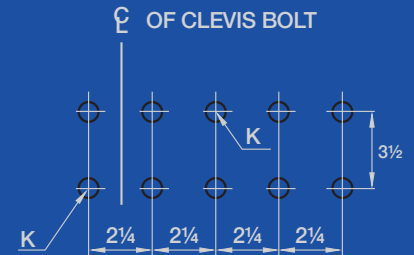
DETAIL N

## WB-5

A = SPAN-17¾      E = 15¼  
 F = 6              G = 7"  
 J = 1 1/4" bolts      K = 3/4" bolts  
 M and H Hardware kit No. 4110150  
 Tie Rod No. 4110250 (Specify Length)

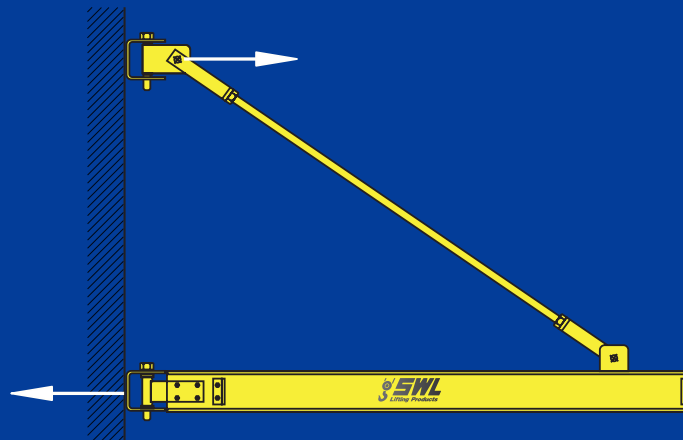


DETAIL M



DETAIL N

# Wall Bracket Jib Cranes Series WB-180



- Do not deviate from “B” dimension
- The “W” dimension indicates the size S-beam to be used. If a cap channel needs to be stitch welded to the top of the S-beam, the letter “C” will follow the S-beam size. The last number indicates the size of the cap channel.
- The diagram to the right, details the thrust and pull forces that this jib crane applies to the supporting structure when a load is lifted. The chart above details in pounds the thrust at point T and the pull at point P. It is essential that a structurally adequate wall, column or truss exist to support the jib crane.
- One tie rod required per crane. Tie rods threaded 6 inches on each end.

## Suggested Maintenance

1. LUBRICATION	Renew grease in upper and lower pivot assemblies every six (6) months with Lubriplate no. 630-AA or equivalent.
2. ADJUSTMENTS	Check: Level of boom and tighten all hardware every three (3) months
3. INSPECTION	Every six (6) months perform general check

## Kit Prices

Capacity [Tons]	Model Numbr	Net Price [\$]	Weight	Tie Rod Net Price [\$]
½ Ton - 1 Ton	WB-1	575	111	135 + 5/lin.ft.
2 Ton	WB-2	775	133	135 + 5/lin.ft.
3 Ton	WB-3	1085	195	135 + 10/lin.ft.
2 Ton	WB-5	2525	425	135 + 14/lin.ft.



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