

## Swift Lift Anchor Effective Tensile Capacity in Thin Walls

Swift Lift Anchor Tons x Length	Effective Wall Thickness 2 de	Actual Edge Distance de	Tensile Safe Working Load Per Anchor				
			Actual Corner Distance				
			8"	12"	18"	24"	30"
2 Tons x 6-3/4" Long	3"	1-1/2"	1,500 lbs.	1,700 lbs.	2,000 lbs.	2,000 lbs.	2,000 lbs.
	3-1/4"	1-5/8"	1,600 lbs.	1,900 lbs.	2,100 lbs.	2,200 lbs.	2,200 lbs.
	3-1/2"	1-3/4"	1,700 lbs.	2,000 lbs.	2,300 lbs.	2,300 lbs.	2,300 lbs.
	4"	2"	2,000 lbs.	2,300 lbs.	2,600 lbs.	2,700 lbs.	2,700 lbs.
	5"	2-1/2"	2,500 lbs.	2,900 lbs.	3,300 lbs.	3,400 lbs.	3,400 lbs.
	6"	3"	3,000 lbs.	3,500 lbs.	4,000 lbs.	4,000 lbs.	4,000 lbs.
2 Tons x 11" Long	3"	1-1/2"	1,900 lbs.	2,300 lbs.	2,700 lbs.	3,000 lbs.	3,200 lbs.
	3-1/4"	1-5/8"	2,100 lbs.	2,500 lbs.	3,000 lbs.	3,300 lbs.	3,500 lbs.
	3-1/2"	1-3/4"	2,200 lbs.	2,700 lbs.	3,200 lbs.	3,500 lbs.	3,700 lbs.
	4"	2"	2,500 lbs.	3,100 lbs.	3,700 lbs.	4,000 lbs.	4,000 lbs.
	5"	2-1/2"	3,200 lbs.	3,900 lbs.	4,000 lbs.	4,000 lbs.	4,000 lbs.
	6"	3"	3,800 lbs.	4,000 lbs.	4,000 lbs.	4,000 lbs.	4,000 lbs.

Safe Working Load provides a factor of safety of approximately 4 to 1 in 4,500 psi normal weight concrete.

Swift Lift Anchor Tons x Length	Effective Wall Thickness 2 de	Actual Edge Distance de	Tensile Safe Working Load Per Anchor				
			Actual Corner Distance				
			10"	15"	20"	24"	30"
4 Tons x 9-1/2" Long	3-3/4"	1-7/8"	2,500 lbs.	3,000 lbs.	3,300 lbs.	3,400 lbs.	3,500 lbs.
	4"	2"	2,600 lbs.	3,200 lbs.	3,500 lbs.	3,700 lbs.	3,800 lbs.
	5"	2-1/2"	3,300 lbs.	4,000 lbs.	4,400 lbs.	4,600 lbs.	4,700 lbs.
	6"	3"	4,000 lbs.	4,800 lbs.	5,300 lbs.	5,500 lbs.	5,700 lbs.
	7"	3-1/2"	4,700 lbs.	5,600 lbs.	6,200 lbs.	6,500 lbs.	6,600 lbs.
	8"	4"	5,300 lbs.	6,400 lbs.	7,000 lbs.	7,400 lbs.	7,600 lbs.
4 Tons x 19" Long	3-3/4"	1-7/8"	3,500 lbs.	4,300 lbs.	4,900 lbs.	5,300 lbs.	5,800 lbs.
	4"	2"	3,800 lbs.	4,600 lbs.	5,300 lbs.	5,700 lbs.	6,200 lbs.
	5"	2-1/2"	4,700 lbs.	5,700 lbs.	6,600 lbs.	7,100 lbs.	7,800 lbs.
	6"	3"	5,700 lbs.	6,900 lbs.	7,900 lbs.	8,000 lbs.	8,000 lbs.
	7"	3-1/2"	6,600 lbs.	8,000 lbs.	8,000 lbs.	8,000 lbs.	8,000 lbs.
	8"	4"	7,600 lbs.	8,000 lbs.	8,000 lbs.	8,000 lbs.	8,000 lbs.

Safe Working Load provides a factor of safety of approximately 4 to 1 in 4,500 psi normal weight concrete.

Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY: NVDB, JUI, KM, TM OK'D BY: JG  
 March 21, 2017  
 RESUBMIT No Approved  
 BY: K. Higgins DATE: 03/23/17