

1. Positive self-locking
2. Or, all cows can go in or out freely
3. All cows can be released at one time.
4. Or one cow can be released at any time.
5. One or more cows can be retained in lock (option)
6. Quick, auto-release of any down cow
7. No need to be present when cows lock themselves in.
8. All operations are done from the top. IT IS SAFE.
9. Helps to do a better job of breeding your cows on time.
10. Prevents loss of production by not breeding on time.
11. All stanchions fall open as soon as you release them.
12. Fool-proof. Cows can't open them..
13. Positive non-sagging clamps. (No welding)
14. Panel sizes available for all animal sizes.

Patents: 4,037,566 4,051,813 5,309,869 4,185,592 4,476,815 4,495,897 Re: 32-728

ALBERS Self Locking Auto-Release (SLAR) Stanchion – Material Specifications

Pipe material used on the 4/9', 4/10', 5/10', & Super 6/10' SLAR (Self-Locking Auto Release)

1. All horizontal pipes to be 1.638", (1-5/8" O.D.), hi-tensile tubing, (50,000 P.S.I. yield strength). All other intermediate pipes to be 1.029", (1-1/6" O.D.) tubing.
2. Tubing Gauge to be 10, 11 & 12 gauge (.134", .120", & .109")
3. Galvanized coating to be 4 ounces +/- 1 ounce per square foot.
4. Top rail locking bar to be .995 (1") x 12 gauge hi-tensile tubing.

Pipe material used on 7/10' & 8/10' SLAR (Self-Locking Auto Release)

1. All horizontal and main upright pipes to be 1.638", (1-5/8" O.D.) hi-tensile tubing, (50,000 P.S.I. yield strength).
2. All vertical main upright pipes to be 1.290", (1-3/8" O.D.) tubing. All other intermediate pipes to be 1/2" pipe (.875).
3. Tubing gauge to be 11 & 12 gauge, (.120" & .109").
4. Galvanized coating to be 4 ounces +/- 1 ounce per square foot.
5. Top rail locking bar to be .995 (1") x 12 gauge hi-tensile tubing.

Fabrication Specifications for Steel Components

1. Locking flaps: Made of 11 gauge galvanized material with minimum G-90 galvanized coating.
2. Lock head assembly: To be of 12 gauge galvanized material with minimum G-90 galvanized coating.
3. Pivot pipe bracket: To be one singular "U" shaped bracket, 1/4" x 1-1/2" hot rolled strip, pickled and oiled, with edges rounded, then zinc plated.
4. All mounting clamps, for wood or steel posts, to be 12 gauge galvanized steel with minimum G-90 coating.

Bolt Specifications and Bolt Sizes:

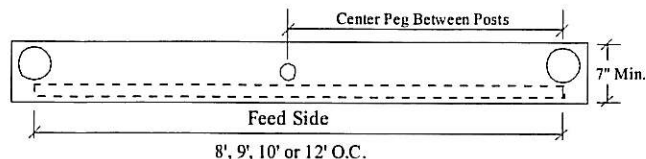
1. ALL bolts used on the Albers stanchions conform to ASTM specifications for A 307, (Low Carbon), hex cap screws and/or carriage bolts.
2. ALL bolts zinc coated to conform to A-152 standard specifications for zinc coating on iron and steel hardware.
3. On 4/9', 4/10', 5/10' & SUPER 6/10'
 - A. Lock Head assembly to moveable pipe – 5/16" x 2-1/4" with 5/16" nylon insert locknuts.
 - B. Pivot Bolt – 5/16" x 2-1/2" with 5/16" nylon insert locknuts.
4. On 7/10', 8/10' SLAR
 - A. Lock Head assembly to moveable pipe – 5/16" x 2" with 5/16" nylon insert locknuts.
 - B. Pivot Bolt – 5/16" x 2-1/4" with 5/16" nylon insert locknuts.
5. ALL LOCKHEAD ASSEMBLIES:
 - A. Top spacer Bolt 1/4" x 2-3/4" with 1/4" nylon insert locknut. Spacer is 18 gauge round tube – 5-1/6" in diameter by 2-1/4" long.
 - B. Lock Flap Bolts – 5/16" x 2-3/4" with 5/16" nylon insert locknuts.

Other:

1. All tubing to be notched to fit profile of horizontal pipe, and fully welded to.
2. All welds covered with rustproof zinc coating.
3. All pivot points (moveable) to be bushed
4. Locking handles made of galvanized steel.

Curb Construction for ALBERS Self-Locking Stanchions

Stanchions may be mounted on either cow stand side or feed alley side. We recommend installation on the feed side if installation is a standard one. **NOTE:** Center support pipe (1-1/4" x 12") should be set in the cement as shown below, minimum of 5-1/2" above finished curb.

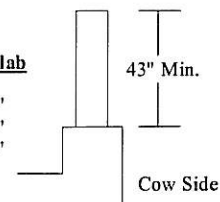


Suggested Curb Details

Clamps are available for 2-3/8", 2-7/8", 3-1/2", 4", 4-1/2" and 5" O.D. Pipes. Clamps are also available for wood posts. The recommended standard is 2-7/8".

Curb Heights: recommended

Mature Cow and Heifers (Above includes 7/10', 4/9')	Cow Side	Feed Slab
5/10', "Super" six	16"	14"
7/10'	14"	11"
8/10'	12"	9"



The Above Backed by over 50 Years of Experience in Dairy Equipment Design, Manufacture and Service