

# FREESTALL SYSTEMS

Complete Cow Comfort

5DOC50500

**SENECA**

DAIRY SYSTEMS



Innovation - Experience - Support

POWERED BY SENECA IRON WORKS



**Designed for Comfort  
Built to Last**



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NEW YORK - MICHIGAN - GEORGIA

[senecadairysystems.com](http://senecadairysystems.com)

### MAKING A BETTER STALL

It is important to know that not all stalls are created equal. While trends of today find most manufacturers using thinner and lesser quality materials, Seneca Dairy Systems continues to build our products with the same high quality materials and superior craftsmanship that you've come to expect from the Seneca name.

Seneca Stalls and mounting systems are designed with "ultimate cow comfort" in mind to help create a restful, stress-free environment where cows can be happy and produce more milk.

Each Stall is manufactured from high quality, heavy-duty steel and fabricated using precision bending technology, resulting in a strong, consistent product. Our superior quality, coupled with the proper mounting system will deliver the very best in cow comfort and a stall that is built to last through years of use; long after other stalls need to be replaced.



### FREESTALL SYSTEM FEATURES

- Standard cow stalls are constructed using true 10 gauge 2.375 OD galvanized steel.
- Offered in 9 gauge hot-dipped galvanized for farms using manure solids or sand bedding.
- Systems come complete with high-quality mounting hardware for a secure system.
- Systems include 1.900 12 gauge galvanized neck rail with swaged ends.
- Complete with mounting options to accommodate a variety of barn configurations.
- All stalls come finished with horizontal holes for easy mounting.
- Systems are designed and installed by professionals.

### LOOP BENDS

*Mega Bend*



*Quad Bend*



*Dual Comfort Bend*



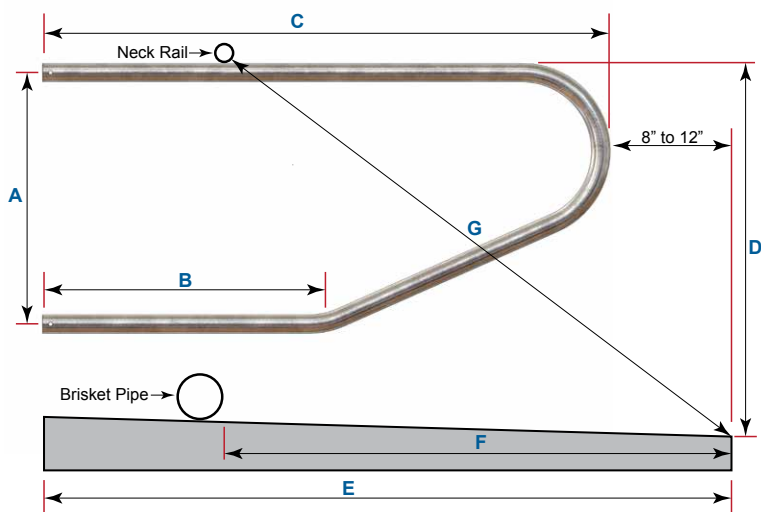
*UltiMAX Bend*



### LOOP & STALL SIZING CONSIDERATIONS

Here are a few important factors to consider when choosing the right size stall.

1. Will the stall be positioned in a head-to-head row?  
The larger value of each range below should be used for closed front stalls. (end rows)
2. What are the ages and weights of the animals?
3. What type of bedding will you be using?



#### DIAGRAM CONSTANTS:

$C = 8 - 12$  inches less than  $E$

Example: If your bed is 7' long you will want 6" or 6'6" loop

$B = 36$ " less than  $C$

Example: Your loop is 6' long so  $B = 36$ "

Note: Specifications above are for Mega Bend style stalls.

### PROPER NECK RAIL POSITIONING

A misplaced neck rail can make it difficult for cows to enter and exit a stall, which can lead to minimized stall use and less rest for the animal. Refer to the chart to the left for our recommendations.

Note: Dimensions below are recommended estimates only

*Let our experts help choose the right stall for your needs!*

Weight (lbs)	Stall Loop Height (A)	Mount Height (D)	BED LENGTH (E)	Brisket Pipe (F)	Neck Rail Mount (G)	Bed Width
300-400	18"-24"	30"-33"	46"-52"	41"-44"	51"-55"	30"-32"
400-700	22"-25"	33"-38"	50"-69"	44"-55"	55"-67"	32"-36"
700-900	24"-28"	38"-42"	69"-75"	55"-60"	67"-73"	36"-41"
900-1100	26"-30"	42"-44"	75"-84"	60"-64"	73"-78"	41"-45"
1100-1300	30"-34"	44"-48"	84"-90"	64"-66"	78"-82"	45"-48"
1300-1700	32"-36"	48"-51"	90"-96"	66"-70"	82"-87"	48"-51"
1700 +	36"	53"	102"	71"	89"	53"

### WHAT IS A DUAL RAIL SUSPENDED SYSTEM?

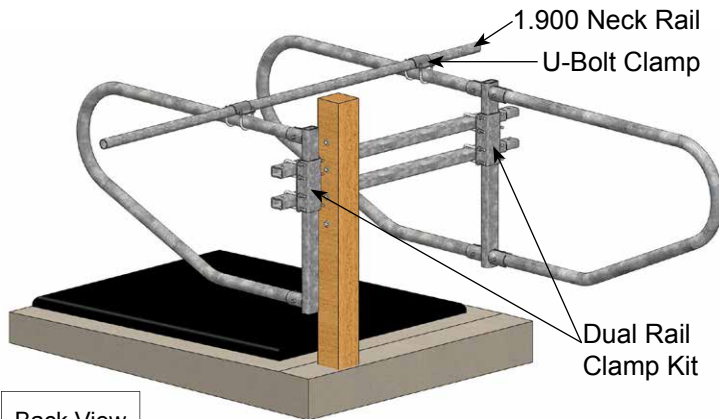
A Dual Rail Suspended System is exactly what it sounds like: A freestall system that is “suspended” in mid-air on two (or dual) rails.

### WHY CHOOSE A SUSPENDED SYSTEM?

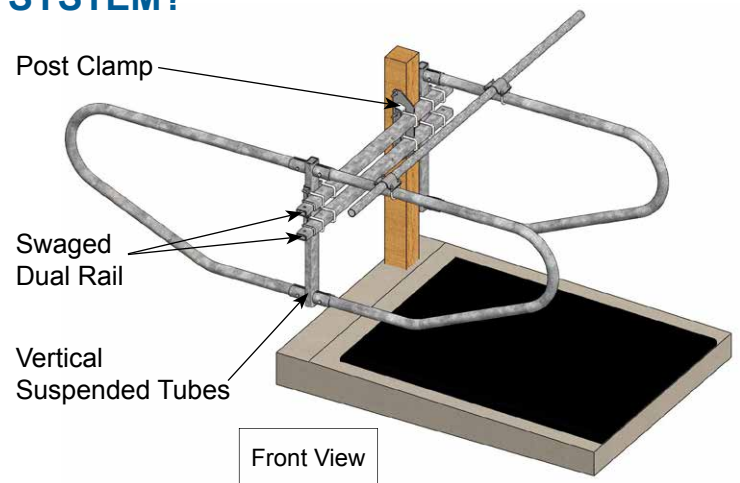
Our Dual Rail Suspended System is the flagship of all the stall systems we sell. Farmers are choosing this system for its outstanding strength and the vast amount of lunge space it offers the cow. A suspended system creates an open concept so cows can comfortably get in and out of beds. Additionally, there is no welding or concrete work required, so installation is simple, and the swaged dual rail makes for easy adjustments. Longevity is also key, as the stall is up and out of bedding so there is less corrosion.



### WHAT MAKES UP A DUAL RAIL SUSPENDED SYSTEM?



Back View



Front View

### BENEFITS OF A SENECA DUAL RAIL SUSPENDED STALL SYSTEM

- Works for any size animal using a stall.
- Designed to last through harsh conditions and retain its integrity for many years.
- Ideal for farms using sand or manure solids as bedding, as the vertical tube suspends the stall and hardware above the bedding and away from rotting moisture.
- Great for both inside (head-to-head) and outside (single or end) rows.
- It's a flexible system. Unlike other suspended stall systems, Seneca Dual Rail Suspended Systems are easy to install and **adjustable**. That means if you have to move a stall or adjust stall size, you can do so without removing the entire system!

### SYSTEM COMPONENTS:

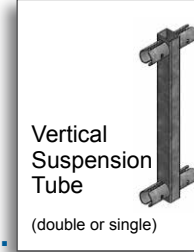
(featured on pg. 2) Galvanized or hot dipped galvanized stall loop.

- A. 2" x 3" x 3/16" galvanized steel dual railing w/ swaged ends
- B. 2" x 3" x 1/4" hot-dipped galvanized vertical suspension tubes
- C. Vertical suspension tube clamp kit. 1/4" thick w/ 1/2" u-bolts
- D. U-Bolt cross clamp for neck rail. 1/4" thick w/ 7/16" u-bolts
- E. 1.900 12 gauge galvanized neck rail w/ swaged ends
- F. Post clamp kit, painted. 1/4" thick steel w/ 1/2" u-bolts (for wooden or steel posts)
- G. Optional neck rail wall bracket

Item #1S28241



Item # varies



Item #3F01470



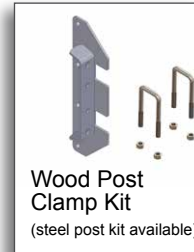
Item #3K00143



Item #1S30250



Item #3F01465



Item #3F01625



### INSTALL INSTRUCTIONS:

- Fasten post clamps to support posts. Use the chart on page 3 to determine the mounting dimensions.
- Once all post clamps are installed, fasten the rectangle dual rail tube into the post clamps
- Next, fasten the vertical suspension tubes to the dual rail using the (vertical) V Tube clamp kit. (figure C. above)
- With the vertical mounting tube in place, slide the freestall onto the mounting sleeves and bolt them in place.
- Finally, position and fasten the neck rail with the U-bolt cross clamps.

**Important - DO NOT over tighten the clamp, as this could dimple the stall loop and lessen the integrity of the system.**

### GENERAL SYSTEM RECOMMENDATIONS:

- If your are using sand or manure solids bedding we recommend our 9ga HDG stall loop for better corrosion protection.
- When using a mattress we recommend a brisquet locator system to help cows position themselves properly within the bed to deter them from lying sideways or too far into the stall. This will also result in cleaner stalls.
- Use through bolts instead of lags when attaching the post clamp to a wooden post. This will provide you with a more secure connection and bolts won't rip out.



### INSTALLATION VARIANCES:

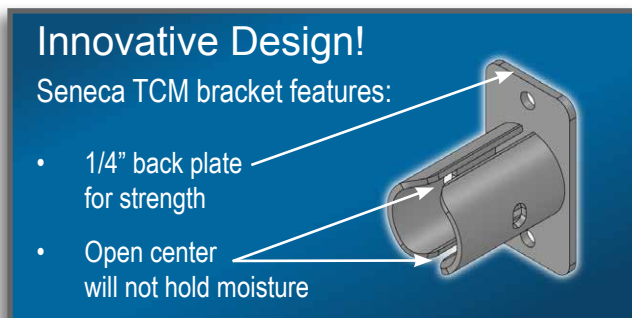
- If stalls are 50" spacing on an 8' center post there will be a post in between two stall loops.
- When mounting stalls on end rows, depending on the height of the knee wall, the vertical tube may need to be positioned in front of the dual rail. This could affect the length of the loop needed and should be considered when sizing the stall loop.

### UNIVERSAL MOUNT STALL SYSTEM

Our Universal Mount System allows for easy installation and flexibility to adjust the size of your stalls as needed.

#### Features:

- 4" channel mount for the option of either head-to-head or outside row stalls.
- Heavy-duty TCM brackets provide:
  1. A sturdy, long-lasting stall mounting system,
  2. Easy installation; secure the bracket and insert the stall,
  3. Flexibility to be able to move or replace stalls
- Can be mounted to either channel iron or wood/steel supports.



### STAND POST MOUNT STALL SYSTEM

Our Stand Post mount can be mounted to either steel or wood posts. This system is the least flexible of our systems but offers the most lunge space for your cows.

#### Features:

- 2 1/2" HDG steel posts interchangeable with 6"x6" wood posts.
- Heavy-duty TCM brackets provide:
  1. A sturdy, long-lasting stall mounting system,
  2. Easy installation; secure the bracket and insert the stall
- Offers maximum lunge space with no cross members.





### SUPERIOR NECK RAIL SYSTEM

Every successful freestall system must have a properly secured, yet easily adjustable neck rail.

#### Features:

- 1.900 12 gauge galvanized pipe. Won't crush.
- Swaged ends eliminate the need for clamps and allow for easy adjustment.
- Heavy-duty U-bolt cross clamps and universal end brackets complete the system, creating a secure and stable neck rail system.



### BRISKET PIPE AND BRACKETS

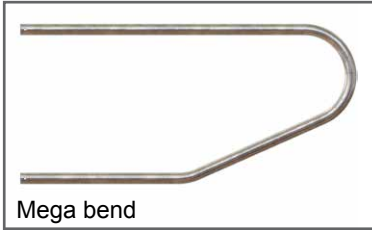
A properly installed brisket pipe will help the cows position themselves in the stalls properly. Straight lying cows that are positioned the proper distance in from the curb will keep your stalls cleaner and allow full use of all of your stalls. Additionally, your cows will be more comfortable and more well rested so they can produce more milk.

#### Features:

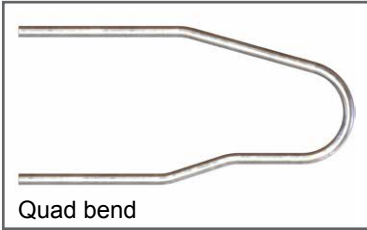
- Durable 6" HDPE round poly tube is safe for cows.
- Guides cows to lay properly for a safe, comfortable rest.
- Less risk of injury and more comfortable when compared to wooden brisket boards.



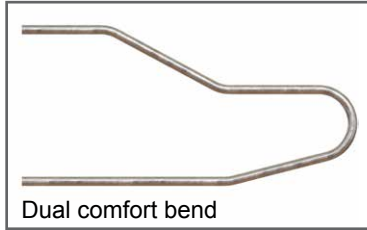
### LOOP STYLES:



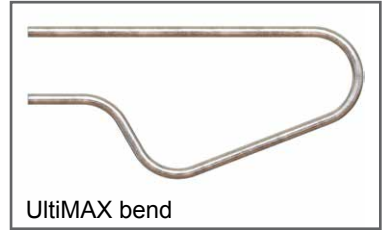
Mega bend



Quad bend



Dual comfort bend



UltiMAX bend

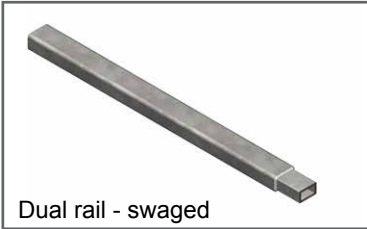
Item numbers vary greatly depending on loop size. Contact a Seneca Dealer or Sales Representative for assistance measuring your stall.

### DUAL RAIL SUSPENSION SYSTEM:



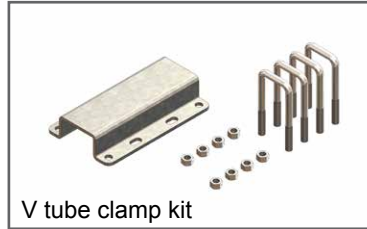
Wood post clamp kit  
(Steel Post Kit Available)

Item #3F01465



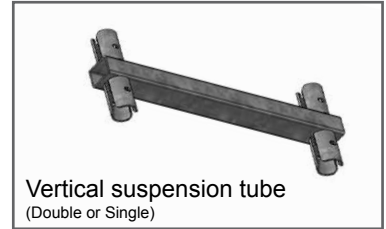
Dual rail - swaged

Item #1S28241



V tube clamp kit

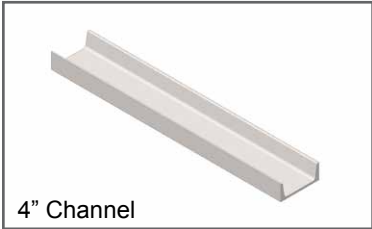
Item #3F01470



Vertical suspension tube  
(Double or Single)

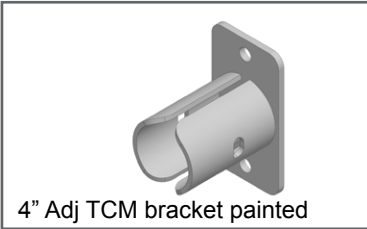
Item # varies by style/size

### UNIVERSAL SYSTEM:



4" Channel

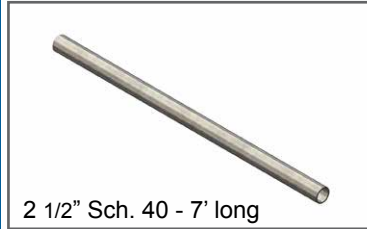
Item #1S18820



4" Adj TCM bracket painted

Item #3F01181 3" - Item #3F01170

### STAND POST SYSTEM:



2 1/2" Sch. 40 - 7' long

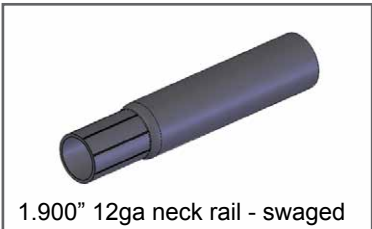
Item #3K01127 6' - Item #3K01126



2 1/2" TCM half clamp painted

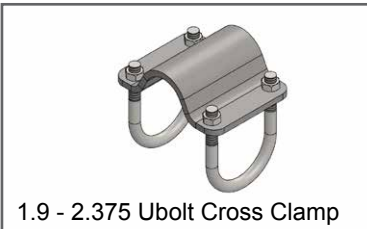
Item #3F01274

### UNIVERSAL NECK RAIL:



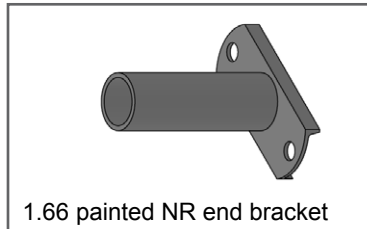
1.900" 12ga neck rail - swaged

Item #1S30250



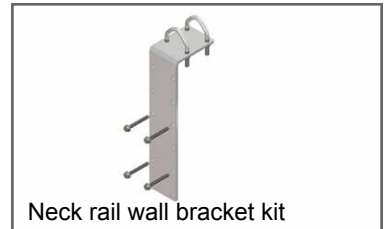
1.9 - 2.375 Ubolt Cross Clamp

Item #3K00143



1.66 painted NR end bracket

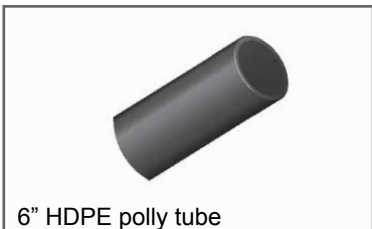
Item #3F01560



Neck rail wall bracket kit

Item #3F01625

### BRISKET HARDWARE:



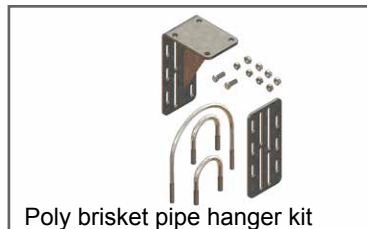
6" HDPE polly tube

Item #1H05809 4" - Item #1H05800



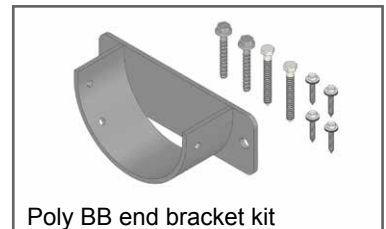
6" Poly BP hold-down bracket

Item #3F01700 4" - Item #3F01696



Poly brisket pipe hanger kit

Item #3F01685



Poly BB end bracket kit

Item #3F01705