Welcome to our Tie Stall Equipment Guide. Tie stall barns have been the center of the family farm for many decades. As dairy farming continues to modernize, some dairymen still prefer traditional tie stall barns because it puts them in touch with their cows.

Sturdy Built tie stalls have been designed to enhance both the animal’s comfort and personnel convenience. For example, the Generation II Tie Stall System is engineered “from the curbline up” to promote flexible stall and neck rail height, making it easier to fit your tie stalls to your dairy cows. The popular Liberty Loop stall eliminates uncomfortable pressure points while cows are resting.

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“tie stalls designed to enhance both animal’s comfort and personnel convenience”
GENERATION II TIESTALL SYSTEM

*Fully Adjustable Neck Rail, Stalls and Waterbowls*

1 - Galvanized Stall Loops
2 - Stall Dividers are Bolted for Adjustable Height
3 - Neck Rail is Bolted for Adjustable Rail Height
4 - Generation II Liberty Loops
   Designed for Cow Comfort
5 - 24” Stainless Wet Set Channel
   for Durability in Corrosive Areas
6 - Channel 14" Deep in Concrete
   with Solid Rebar Connections
7 - Sturdy Connection (Six Stainless Connection Bolts)
8 - Welded Post Caps
   for Smooth Finish without Sharp Corners
9 - 24” - 36” Tie Chain - Custom Length
   for your Neck Rail Height
The flexibility of generation II tie stalls is designed to keep your herd comfortable in different groups or as the herd changes over time.

Adjustable neck rail height offers you more freedom in selecting a height for adequate lunge room.

Adjustable height and unique ergonomic design of our generation II liberty loop stalls provide comfort to resting cows by eliminating uncomfortable pressure points.

Individual components: attachment posts, divider loops, water bowl attachment loops, feed divider loops, and neck rail supports can be adjusted as needed.
Stainless Steel Channel
Showing Rebar Installation
- Set Into Concrete 14"

Foundation Channel
Stainless steel channel in concrete

Stall Attachment Plate
for bolt-together convenience

Neck Rail Support and Clamp
a flexible neck rail height adjustment system

The Generation II Tie Stall System at Work!

All Our Mounting Hardware is Hot-Dipped Galvanized
CONVENTIONAL TIE STALL SYSTEM
Designed to Enhance Animal Comfort and Personnel Convenience

1 - Galvanized Stall Loops
2 - 2” Square Heavywall Post for a Strong Stall Foundation
3 - Stainless Steel Sleeve for Critical Corrosion Protection
4 - Liberty Loop for Greater Cow Comfort (optional)
5 - 1.315” Stall Brace for Reinforcement
6 - Corner Saver for more Clearance at Corners
7 - Durable Hardware is Hot-Dipped Galvanized
Sturdy Built tie stalls have been designed to enhance both the animal’s comfort and personnel convenience. For example, the Liberty Loop stall (at left) eliminates uncomfortable pressure points while cows are resting.

Comfortable cows make more milk.
**Loop Specifications**

**Sturdy Built Conventional Tie Stall Dividers**

*Resist Corrosion with our Exclusive Triple Coating*

1. Fabricated from tubing galvanized on interior and exterior surfaces
2. Entire dividers coated with ZRC®, a zinc galvanizing compound
3. Premium-grade top coat finish on entire dividers
4. Stainless steel sleeve and gusset

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1.9” OD x 10 gauge precision formed loops | Custom loop styles and lengths are available
Pouring Concrete Curbs in New Tie Stall Install

Corner Saver for End Stalls
Provides more clearance at ends of cow bed rows

Tie Stalls with Elevated Neck Rail

UPGRADE to Elevated Neck Rail Brackets
Clamps on for existing Tie Stalls

When properly grounded, Rebar can be used to reduce stray voltage
Bolted Channel Curb Mounting System

Our Over-the-Curb Tie Stalls are designed to reduce the frustration associated with milking in older barns. Because there is no need to break out old concrete and pour new concrete, you can easily and economically remodel with new stalls wherever necessary.

The Bolted Channel system is our original curb mounting solution. It features a stainless steel channel and a stainless steel post sleeve with stainless steel bolts. The bolts run all the way through the curb, and the channel grips the curb like a vise.
Available for Conventional and Generation II Tie Stall Systems, the High-Load Adhesive & Stainless Steel Anchoring System for Replacement Tie Stall Systems is the answer for an open curb with obstruction-free manger cleaning. This system does not require mounting on top of original stall posts, which gives the option of any stall width throughout your barn.

Used and proven in highway and bridge construction, the Adhesive Anchoring System forms a mechanical interlock between the anchor and the walls of the drilled hole. This transfers the mechanical load deep into the concrete curb and floor.

Stainless Curb Mounting Angles and Stainless Anchors will withstand many years of stress in a corrosive environment.
Standard Tie Stall Accessories

(Large) Poly Water Bowl
Super Flow – 5.75 GPM

4-Bolt Clamp
for securely mounting water pipe to stalls

Riser Pipe Clamp
for clamping vacuum support pipe to stalls

Vacuum Line Clamp
for clamping vacuum line to support pipe

Plumbing Kit
for water bowl installation

Tie Chain Kit
includes neck rail mounting clamp, chain, and stainless steel snap

Manger Tile

PVC Manger Corner
eliminates feed buildup

Stainless Steel Trough Liner

Tie Stall
Hardware is Galvanized

Hinging Divider
to limit cross-feeding

Stainless Steel Water Bowl
Super Flow – 5.75 GPM
Gutter Grates for Dairy Barns

• Heavy-duty construction
• Consistent cow-friendly bar spacing
• Available in 18” to 30” (6-12 bars) Widths
• Standard 5’ and 10’ lengths
• Custom sizes & configurations available
• Choice of Uncoated or Galvanized Finish

Cleaner Bedding and Cows in the Tie Stall Barn!

EuroTech Cow Mats

• 1-1/4” thick x 46” x 74” size
• Drive-in anchors included
• Mats can be cut to fit

• Non-Abrasive - Unlike rubber cow beds, the surface of the EuroTech Mat is soft and smooth, preventing abrasion to the cows’ hocks or knees.
• Non-Slippery - EuroTech Mats are made up of a compressible material, allowing the cows’ hoof to sink slightly into it and form a firm “pocket” that holds her secure.
• Non-Absorbent - The millions of tiny closed-air cells that make up the EuroTech Mat create a soft, yet firm, material. The closed-air cells contract and expand as pressure is added and removed.
Maternity Pens and Box Stalls

Sturdy Built Galvanized Gates

Sturdy Built gates are engineered for high-strength and smooth, reliable operation. Standard gates come with adjustable hinges for easier installation and adjustment. Several latching options are also available. We custom manufacture gates to precisely fit your openings as well as help you design gates that can serve in multiple ways. Ask your representative for more details.
Portable Extension Gate - Excellent on hoof trimming day

Standard 5-Bar Gates with Rugged Sliding Twin Gate Latch

Telescoping Gate - Allowing gate to latch in multiple positions

Galvanized Headlocks

- Adjustable width for size flexibility
- Individual lockup for operator convenience
- Poly cushioned for quieter operation
- Automatic down cow release for animal safety
- Special hinge design with extended wear bushing in pivot point
- Wide-open design for easy entry
- Square tubing frame construction for strength

- Control latch is clamped on and can easily be moved

Optional lanyard and eyelets offer additional control in maternity pen

Explore our Herd Control & Vet Care Systems Brochure for More Details!
1. Take off Units in Wash Position

2. Rolling out of the milkhouse

3. 12 units traveling quietly

Turn Table Assembly
Allows milkers to change directions with simple rotation
A Quiet Solution to Comfortable Milking in Tie Stall Facilities
Components and Specifications

**Bolt-Together Installation**
Requires no on-site welding

**Turn Table Assembly**
Allow milkers to change direction of travel

**Poly Rollers**
with Sealed Stainless Steel Bearings

**Auto Latch System**
for secure take offs

**Galvanized Strut Reinforcement**
PVC track provides quiet, milker transport while strut reinforces and mounts entire system to ceiling braces

**Single and Double Milker Caddies**
with Meter Attachment
Curtains for Tie Stall Barns

A properly designed and operated ventilation system is necessary to provide healthful conditions for dairy cattle in tie stall barns. It is important to have sufficient air exchanges to keep the barn air dry and fresh. A flexible system using natural and mechanical ventilation with automated controls will provide the ideal environment for your dairy herd.

Environ-Tech
Automation by Sturdy Built Mfg.

MONITOR & CONTROL
- Temperature
- Wind Speed
- Rain
- Tunnel Fans
- Curtains
- Overhead Fans
- Sprinklers
- Lighting

Keeps Cows More Comfortable by Automatically Adjusting Ventilation!

Fans
Sturdy Built offers a line of high quality, high efficiency fans for tunnel ventilation in tie stall barns, designed for providing uniform air movement and increasing cow comfort and production in hot weather. Frigid weather and changing seasons require reduced air flow, which is controlled and adjusted with optional variable speed motors.

“Made in America” Quality
See all of our Equipment Guides for more Sturdy Built Galvanized Dairy Solutions!

- Calf Nurseries
- Curtain Systems
- Herd Control & Vet Care
- Free Stalls
- Gates & Fencing
- Headgates & Chutes
- Robotics
- Tie Stalls

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