



Standard Layer Cages



Ford Dickison (2000) Inc.
53 Wellington St., S. Mitchell, ON N0K 1N0 Canada
Tel: 519-348-8475 or 800-554-2275
Fax: 519-348-9331
[E-mail fd2000@on.aibn.com](mailto:fd2000@on.aibn.com)
www.fdicagesystems.com

Stacked Layer Cage Features & Benefits

(Many other cage sizes and number of tiers available upon request)

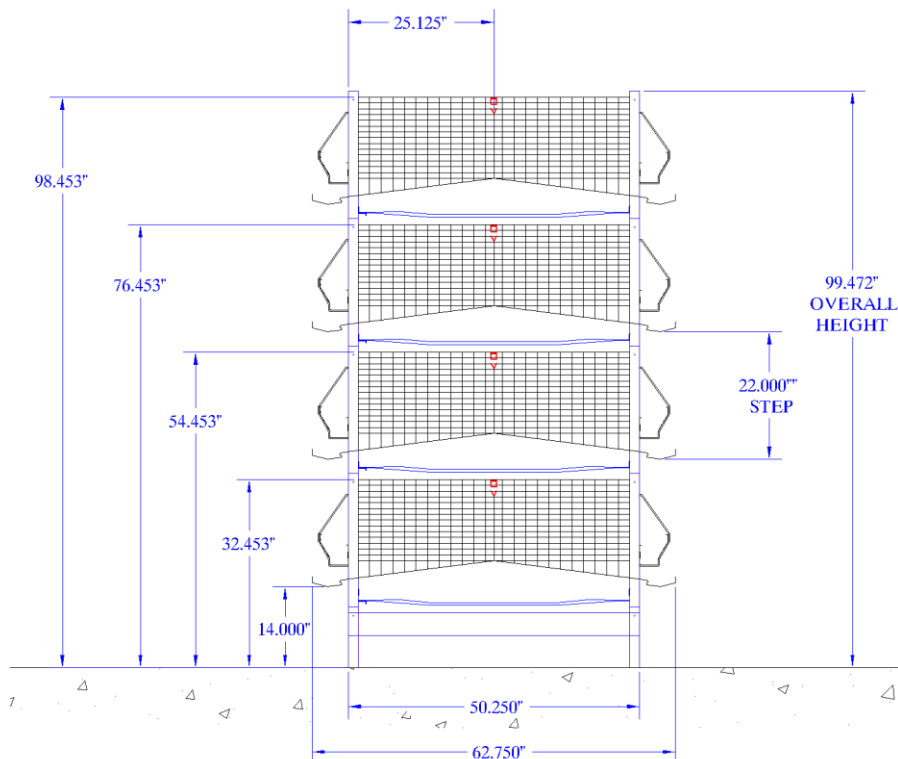
Standard Cage Dimensions:

- Width 24 inches
- Depth 25.125 inches
- Height (back of cage) 14 inches
- Height (front of cage) 17.125 inches
- Floor Slope 7.4 Deg.
- Door Height 8.755
- Door Width 23 inches
- Cage Area 603 sq. in.
- Birds per cage 9 @ 67 sq. in. per bird

Cage Floors:

- Material Used 1" x 2" 14 Gauge Galvanized After Weld Wire Mesh
Tensile Strength – 107,000 PSI (737.743 kilopascal)
Weld Shear – 440 lbs. (199 kg)
Zinc Coating Weight – 1.03 oz. per foot (29 grams)

Note: Galvanized After Weld wire mesh is hot dipped galvanized after the welding process



Stacked Layer - Standard Features and Benefits:

- Full width sliding doors provide easy access and visibility to the birds – one hand operation with positive dimple locks (*spring loaded push in doors also available*)
- Horizontal door wires help prevent feed waste
- 4” (10.16cm) wide egg trays
- S-bend design adds strength and help prevent egg belts from curling assuring eggs roll out
- Galvanized steel step rails *installed on the front edge of the lower feed trough* provide a step to view the upper tiers as well as protection from damage by bird carts (*optional*)
- breast plates help eliminate contact between birds and eggs on egg trays as well as helping to provide cleaner eggs
- 8 foot cage sections with 14 gauge (2mm) legs every 48 inches
- Cage floors are constructed using 1” x 2” galvanized after weld (GAW) 14 gauge (2mm) wire mesh for long life
The design of the floors and floor support wires give the floors a walking effect reducing bird leg and foot injuries
- the water line is located over the cage back divider in square **28 mm** pipe
- drinker spacing is 12” giving each bird access to 2 drinkers



Automatic Egg Collection-Fixed or Variable Egg Belt Speed:

- 4” woven polypropylene egg belts move eggs from the cage row to the collectors at up to 9 feet per minute
- The belts are driven by a 4” polyurethane roller with pinch roller which give positive traction for trouble free operation
- Each Lowerator is factory assembled to simplify installation
- Eggs from the 4” egg belts are transferred to a short rod set which will deposit the eggs, non-stop one at a time onto a cradle – egg dosing is not required
- With the openness of the Lowerator, soft shell eggs, manure or dirt on the egg belt will fall through the rod set into a collection tray on each level
- The FDI Lowerator offers adjustable unloading height to fit an overhead or floor mounted egg conveyors, and end of row hand packaging tables



FDI Automatic chain feeding system

- FDI Pillar Feed Manifold – one common manifold supplies all levels of feed trough with a feed recycling wheel on each tier
- The recycling wheel mixes uneaten feed with fresh feed during the feeding cycle
- the 20 gauge (1mm) galvanized hi-lip feed trough has a swedged end for strength and ease of assembly – trough couplers are not required
- FDI feed trough and trough hangers will support the weight of an average size worker, allowing all levels of feed trough to be used as a step
- Hi-lip feed trough design minimizes feed waste by the birds
- Direct drive motors and gear boxes will drive the FDI feed chain, delivering feed at 20', 40' or 60' per minute – size and quantities of motors/gear boxes determined by length of row and number of tiers
- FDI manufactured flat chain feeding give the producer virtually unlimited options for bird stimulation and restrictive feed control
- Feed trough cleanouts located in the corner connecting trough which is located over the manure belts allow for simple clean up between flocks



Manure Removal

- The drive units are constructed from a galvanized steel frame assembly and shipped pre-assembled for ease of installation
- Curtains on the drive units direct the manure to the cross pit below
- A .040" (1mm) thick UHMWPE belt contains and transports the manure from each tier
- The drive unit is designed to power manure belts in excess of 500 foot rows with minimal belt tension – greatly reducing stress on the belt and seam
- A minimal number of motors and gear boxes per row are used to power the manure belts at 15 feet per minute
- Extra wide manure rails help prevent manure from entering the cage or feed trough of the tiers below
- The manure belt idler end incorporates an auger cleaner system powered by the idler roller which removes dirt and feathers from between manure belts (optional)

