

Calf Buddy™

Two heads are better than one



Calf Research

The flow control technology from Milk Bar™ is incorporated into Calf Buddy™ Teats. The benefits of controlled flow feeding are well documented and supported by peer reviewed research.

Saliva is produced

Saliva boosts immunity.
Saliva improves curdling and digestion.

Diarrhoea is reduced

Calves absorb more lactose in the abomasum to reduce nutritional diarrhoea.

Suckling instinct is satisfied

Satisfied calves don't need to cross suck so calves can be grouped without causing udder damage.

Weight improves

Improved digestion equals heavier, more robust calves.



The slower calves drink, the less they cross suckle.

A calf fed 4L at 'nature's speed' should take around 12 - 15 minutes to drink. After drinking she will be quiet and settled. Her suckling urge is satisfied, and she is content.

If she drinks 4L in 8 minutes or less then she will spend the next 4-5 minutes cross suckling to satisfy the natural suckling urge.



Calves fed with a controlled flow were settled and content after feeding. All calves had healthy, undamaged teats and the keratin plug remains intact to protect the teat canal. *



Calves fed from a faster flow teat cross-suckled vigorously after feeding. Cross-suckling damage and loss of the keratin plug was common. *

*Images taken from research published in the Journal of Applied Animal Nutrition. Research commissioned by Milk Bar™.

'Calves suckling on each other can affect the development of the juvenile udder. This in conjunction with the transmission of mastitis pathogens is prone to lead to heifer mastitis' *Source - Schalm*

'Sucking the immature udder can lead to premature removal of the keratin plug, which protects the individual teats from infection, especially in heifers coming into first milk, as well as navel and skin infections. *Source - Jensen and Budde*

'During the trial, it was observed that group-housed calves fed the faster flow teats had a much greater incidence of hyperactivity immediately post feeding and were more likely to engage in non-nutritive sucking of each other's body parts (including muzzle, navel and udder). ' *Source - Journal of Applied Animal Nutrition*

Controlling milk flow increases daily weight gain

Lactose is released from the milk curd in the abomasum. It is broken down to glucose and galactose which are absorbed into the bloodstream to form the major energy sources for young calves.

Using a fast flow or bucket system reduces the lactose absorption and so calves do not receive the full benefit of their food and growth is reduced.

Controlled trials show a consistent and strong trend to higher ADG when calves are fed from a controlled flow teat:

Country	Year	Slow Flow Teat	Fast Flow Teat	Bucket Feeding	Variance at weaning
New Zealand	2014	0.736	0.665		+2.98 kg
Italy	2017	0.697	0.620		+6.03 kg
Brazil	2015	0.724	0.616		+6.48 kg
Hungary	2018	0.994		0.680	+10.30 kg
Netherlands	2019	0.955		0.828	+8.89 kg

'Pre-weaning ADG (average daily gain) had a significant positive effect on first-lactation performance: every 100 gm of pre-weaning ADG was associated with 85 to 111.3 kg more milk during the first lactation.' *Source: Soberon et al., 2012*

'Using slow flow rate teats to feed calves from day old to weaning appears to have an important impact on digestive processes in the immature gut. Such improvements in digestion and rumen development in young calves may assist in the digestion of milk and other feeds, leading to improved growth performance.' *Source: Journal of Applied Animal Nutrition*

Reducing feeding speed reduces diarrhoea

If the pH in the abomasum is not balanced and the acid secretion is reduced, then the ability of the milk to clot is compromised as is the digestion of milk protein. Inadequate clotting allows excess sugar (lactose) to enter the intestines and produce a nutrient source for pathogens such as *E.coli* whose numbers multiply rapidly when in contact with raw milk or lactose. This is a leading cause of nutritional diarrhoea.



Calves fed with a controlled flow had excellent curdling. Only 3mg/gm of lactose remained two hours after feeding indicating more effective absorption into the bloodstream.*



Calves fed on a fast flow teat had inadequate curdling. High lactose levels of 12mg/gm remained in the abomasum and high concentrates in the intestine and faeces.*

'Diarrhoea can usually be traced back to a failure of adequate milk digestion in the abomasum. Nutritional diarrhoea is simply the end result of an oversupply of lactose in the intestines, caused by milk moving too rapidly out of the abomasum, so it cannot be broken down quickly enough. Nutritional diarrhoea often progress to infectious scours. Pathogens use excess lactose as a nutrient source to increase in numbers. *Source- Victoria Department of Primary Industries.*

Cows that had contracted mild diarrhoea during their first 3 months of life had 344 kg lower ECM305 than those without diarrhoea. *C. Svensson, J. Hultgren 2008*

Under farm conditions, slow release teat system (Milk Bar™ Teat) may reduce diarrhoea and other digestive problems in young calves during peak milk intake (up to 15 d of age), due to increased ileal digestion of nutrients, preventing undigested nutrient flow to the hind gut *Source - Journal of Applied Animal Nutrition*

Calf Buddy™ Teats

Calf Buddy™ Teats fit any standard hutch bucket with a 38 mm hole. No valves or threads for an ultra-hygienic, secure connection system. Rectangular back ensures correct teat alignment. Milk flow is controlled so calves are healthier with better weight gains and reduced diarrhoea.



Calf Buddy™ Training Teat

Code: MBA13T
 Quantity: 10 per pack
 Feeder Type: All hutch buckets with a 38mm teat hole and Calf Buddy™ feeders.
 Use the first few days for training.



Calf Buddy™ Teat

Code: MBA13A
 Quantity: 10 per pack
 Feeder Type: All hutch buckets with a 38mm teat hole and Calf Buddy™ feeders.
 After training, use until weaning.

Calf Buddy™ Starter Pack

Code: MBA13D
 Calf Buddy™ Teats: 10
 Calf Buddy™ Connectors: 10
 Use the Starter Pack in your existing hutch buckets for better calf health.



Calf Buddy™ Connectors

Code: MBA13C
 Quantity: 10 per pack
 Replacement connectors.



To install:



Insert the connector into the teat.



Press firmly together.



The teat is now ready to install.

To remove:



Twist the teat so the connector points up.



Pop the connector out of the teat.



Insert the teat making sure the connector is facing down.



Pull firmly using an up and down action until you hear the teat click into place.



The feeder is now ready to use.



Remove the teat by pulling downwards.

Calf Buddy™ Feeders

With clean lines and high volumes, the Calf Buddy™ range is perfectly designed to fit any farm from hutches to pens.

Teats have a forward orientation, so calves are comfortable in hutch pens.

Comes with hooks and fitted with Calf Buddy™ Teats and connectors.

Calf Buddy™ 1

Code: MBA13B

Volume: 9 L

Semi-transparent.

Stainless steel handle.

Marked litre gradients.

Slots onto hutch brackets.



Calf Buddy™ 1 Bracket

Code: MB07B

Calf Buddy™ 2

Code: MBA13H

Volume : 20 L

Height : 39 cm

Length : 42 cm

Width : 31.5 cm



Calf Buddy™ 5

Code: MBA13M

Volume : 50 L

Height : 40 cm

Length : 76.5 cm

Width : 37 cm



Optional extra lids to keep flies out.

Calf Buddy™ 1 Lid

Code: MBA13L

Calf Buddy™ 2 Lid

Code: MBA13J

Calf Buddy™ 5 Lid

Code: MBA13N



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No threads, no ball valves. Calf Buddy™ Teats and feeders are easy to keep hygienic



The Calf Buddy™ Teat has the ideal milk flow for healthy digestion. Calves look better and feel great!



Calf Buddy™ feeders are easy to use, clean and last for years.

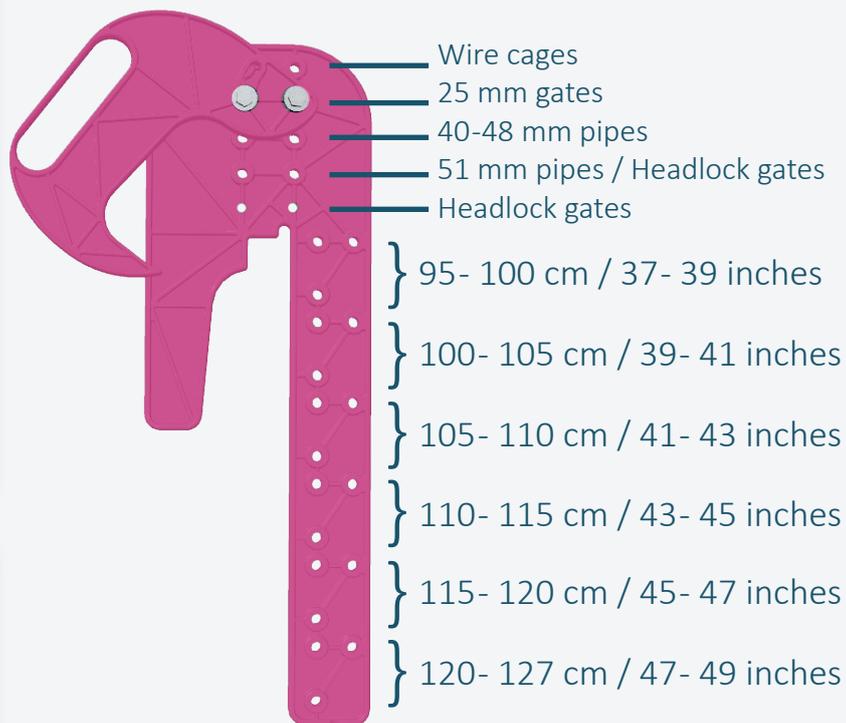


NZ Pat Appln 787055 PCT Patent Application PCT/NZ2020/050110 EU Design 001449680-0001 International designs apply. International Patents pending or apply. NZ design application 431163 European Reg Des 015015394-0001

The Calf Buddy™ Hook System

Designed to fit wire cage, 25 mm box steel, 51 mm pipe rails and headlock gates.
The hook is height adjustable so calves drink at the perfect height of 60- 65 cm no matter what rails you use.
The unique locking 'swivel handle' is comfortable to use and secures the feeders in place.

For a bespoke hook system to work perfectly on your farm, just measure and attach!



You will need :
Tape measure
10 mm spanner
10 mm socket
13 mm spanner
13 mm socket



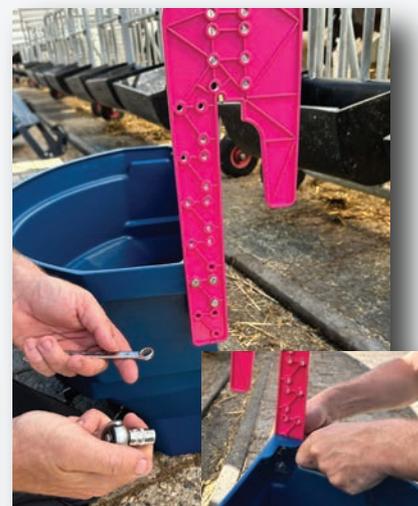
Step 1: Measure and attach the hooks.



Measure the rail height on the calf side of the gate.



Calf Buddy™ Hooks are stamped with the rail height. Identify the 3 bolt holes that correspond with your rail height.



Using the marked holes, bolt the hook to the feeder and tighten with the 10 mm spanner and socket.

Step 2: Attach the locking handle.

With 5 settings, the Calf Buddy™ Handle locks onto anything from wire cage to head lock gates.



Hang the feeder on your rail. Move the handle until you find the holes that will lock the handle to your rail.

Bolt the handle to the hook with the 13 mm spanner and tighten.



By adjusting the locking handle, your Calf Buddy™ feeder is secured to any type of rail!

The locking handle swivels and is comfortable to use.

Cleaning

Calf Buddy feeders and teats have easy to clean lines with no threads or valves.

1. Rinse clean
2. Wash with a **non-chlorinated** detergent according to your farms cleaning protocol.
3. Teats do not need to be removed for cleaning, simply give each teat a squeeze until water runs clear.



Using Calf Buddy™ on your farm

Calf Buddy™ Teats fit any existing hutch bucket so your calves can have the health benefits of a controlled milk flow without needing to replace your current buckets.

If your using pairs or groups, Calf Buddy™ Feeders have great design features and an innovative new hook system that adapts to any farm!

Step 1: Use the Calf Buddy™ Training Teat for the first few days.



Use the Training Teat in any hutch bucket.



Or use the Training Teat in a Calf Buddy™ 1.



Or train 2 calves at once with a Calf Buddy™ 2.

Step 2: After a few days, switch to a Calf Buddy™ Teat until weaning.



Use the Calf Buddy™ Teat in any hutch bucket.



Or use the Calf Buddy™ Teat in a Calf Buddy™ 1



Or buddy calves up with a Calf Buddy™ 2



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Available through Dairy Spares stockists.



For maximum timesaving, use the Calf Buddy™ 5!