



LINERS AND TUBES

OPTIMISE YOUR MILKING,
TOP QUALITY FOR YOUR HERD

MILKLINE®



KEEP YOUR **PARLOUR** **EFFICIENT** AND ENSURE TO YOUR ANIMALS ARE **MILKED** **GENTLY** AND **EFFECTIVELY**

The milking parlour is the heart of the dairy farm.

This is where milk is collected, the final product of the farm's entire production cycle and the source of the farmer's income.

The milking parlour is a machine that must work efficiently every single day of the year, year after year.

This is why it is essential to keep it in perfect condition and that any components subject to wear, such as liners and tubes, are replaced following the manufacturer's instructions.



Gentle



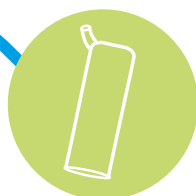
Effective

CHOOSE THE PERFECT COMPONENTS FOR YOUR PARLOUR AND HERD

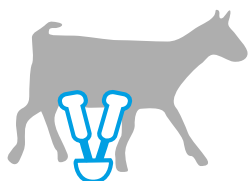
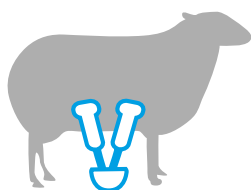
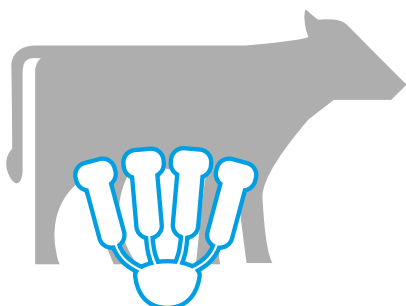
FOR QUALITY MILK AND A HEALTHY HERD



LINERS page 6



TEAT-CUP SHELLS page 16



**MILK TUBES
AND SHORT TUBES** page 20



**VACUUM TUBES
AND SHORT TUBES** page 23



**PERIODIC REPLACEMENT
OF LINERS** page 25

A close-up photograph of a milking machine's components, primarily in shades of blue and silver. The image shows various hoses, a metal tube, and plastic fittings. A prominent blue handle with a silver knob is visible in the upper left. A silver metal tube with a blue cap is in the lower left. The background is slightly blurred, showing more of the machine and a tiled floor. A large, curved blue graphic element separates the image from the text on the right.

CHOOSING THE RIGHT LINER

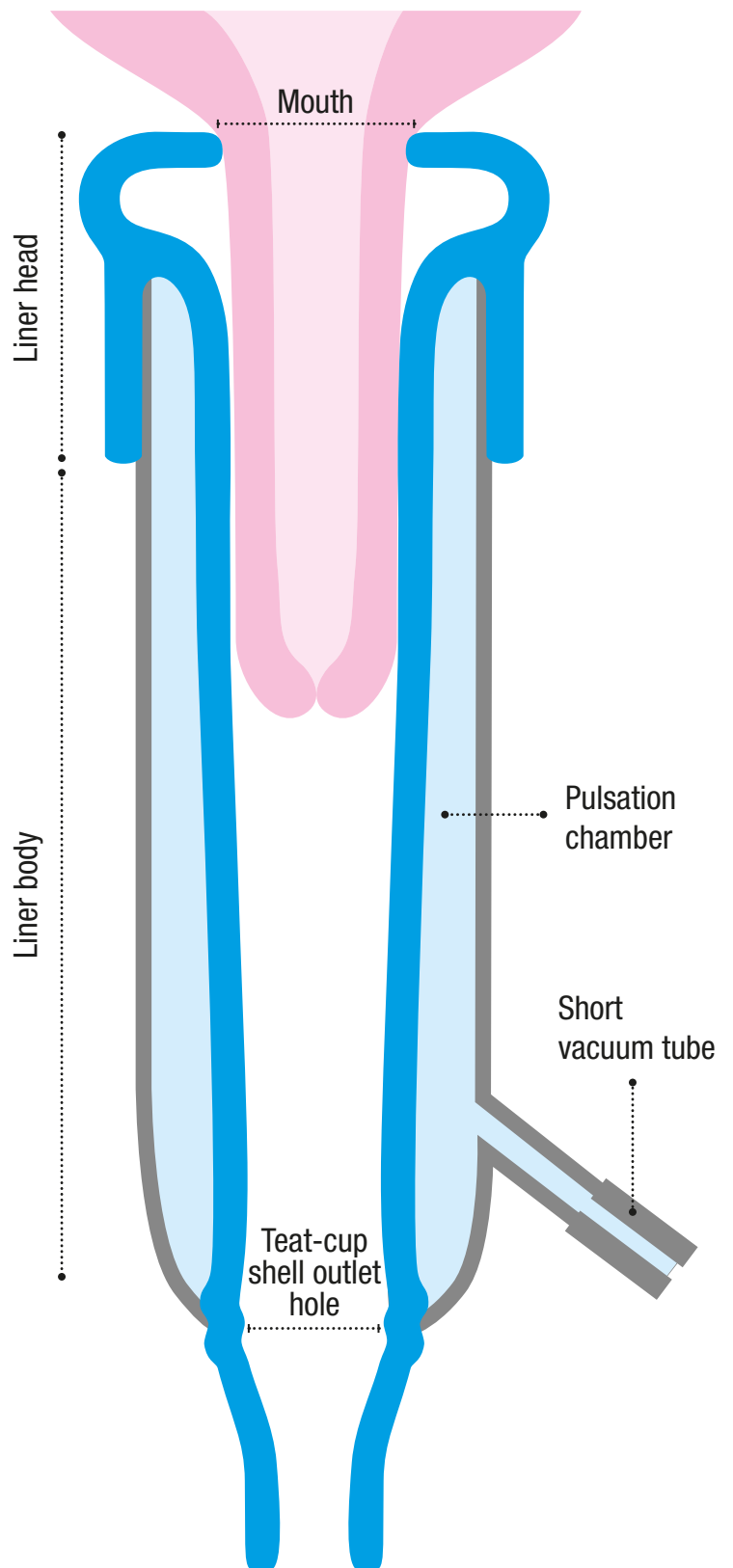
ALTHOUGH
GENETIC SELECTION
HAS TRIED
TO STANDARDISE
UDDER MORPHOLOGY
AS MUCH AS POSSIBLE,
ALL COWS
ARE DIFFERENT
FROM EACH OTHER
AND THE CHOICE
OF LINER MUST BE
THE BEST POSSIBLE
COMPROMISE.

When choosing the right liner, you should not only take into account the shape and size of the teats and breed of your cows, but also the **type of claw** on which the liners will fit. The **liner material** should also be taken into account.

Silicon and rubber have different characteristics in terms of animal comfort, elasticity, softness and resistance to mechanical stress. Last but not least, remember the **role of the teat-cup shell**, which must be suitable for the liner to be coupled to it. A teat-cup shell that is either shorter or longer than its liner will compromise the work of the liner itself, putting the health of the animals at risk.

The **weight of the teat-cup shell** also plays a key role.

Choosing the right teat-cup shell could lighten the overall weight of the milking cluster, but a lighter cluster will not always be the best choice for your herd and the claw you are using.



Milkline technicians are at your disposal to help you evaluate the most suitable solution for your herd.

LINERS

The liner is the only component of the milking parlour that comes into direct contact with the animal. The shape, size and material of the liner must be carefully considered to ensure a successful milking process.

Choose the most suitable liners for your herd from the Milkline range.

Silicon: flexible and adaptable, Milkline silicon liners ensure gentle and effective milking. Their soft surface is not prone to cracking where bacteria could survive. Silicon retains elasticity and strength even at low ambient temperatures while withstanding washing with boiling water.

Rubber: versatile and durable, Milkline rubber liners are produced with quality blends that ensure effective milking while protecting the udder. Our blend also guarantees outstanding resistance to mechanical stress and retains its elasticity at both low and high temperatures. Our wide range of rubber liners makes it possible to find the most suitable model for the characteristics of each herd.

 **SILICON: 5.000**
MILKINGS

 **RUBBER: 2.500**
MILKINGS



LINERS FOR COWS



LINERS FOR SHEEP AND GOATS





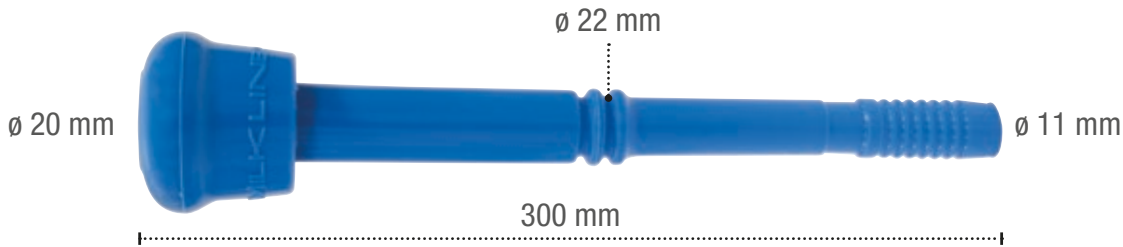
B0175102-1

SET LINERS X.CARE S2 L TM 20-22-11 - BEND

Mold code: 8112011-2S



NIPPLE NTD 15mm



B0460224
B0460226
B0460253
B0460261
B0460259



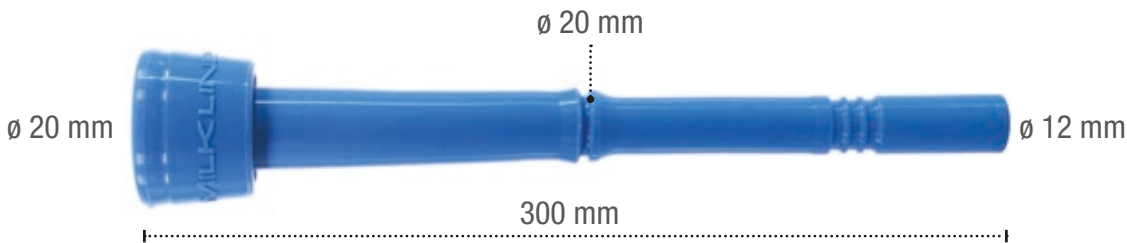
B0175152

SET LINERS X.CARE S1 L TP 20-20-12 - NTD

Mold code: 8112011-1S



NIPPLE NTD 15mm



B0460259



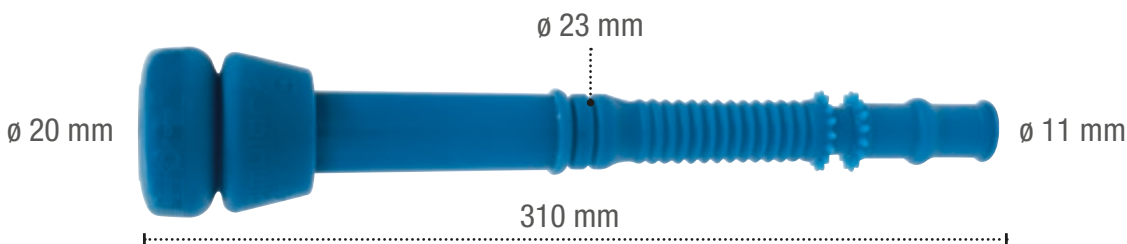
B0175210

SET LINERS X.CARE S3 L TM 20-23-11 - NTD

Model with straight nipple protection



NIPPLE NTD 15mm



B0460224
B0460226
B0460253
B0460261

INCLUDED



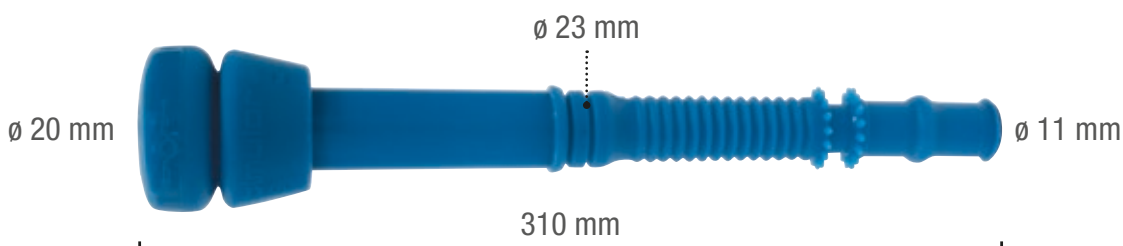
B0175214

SET LINERS X.CARE S3 L TM 20-23-11 - NTA

Model with angled nipple protection



NIPPLE NTA 13mm



B0460224
B0460226
B0460253
B0460261

INCLUDED





LINERS FOR COWS



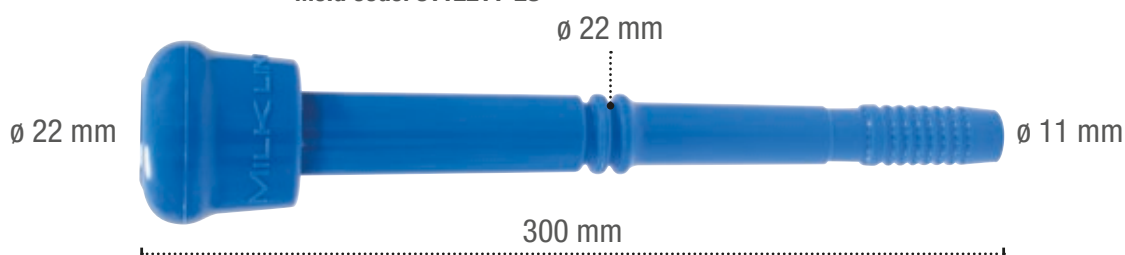
B0175112-1

SET LINERS X.CARE S2 L TM 22-22-11 - BEND

Mold code: 8112211-2S



NIPPLE NTA 13mm



B0460224
B0460226
B0460253
B0460261
B0460259



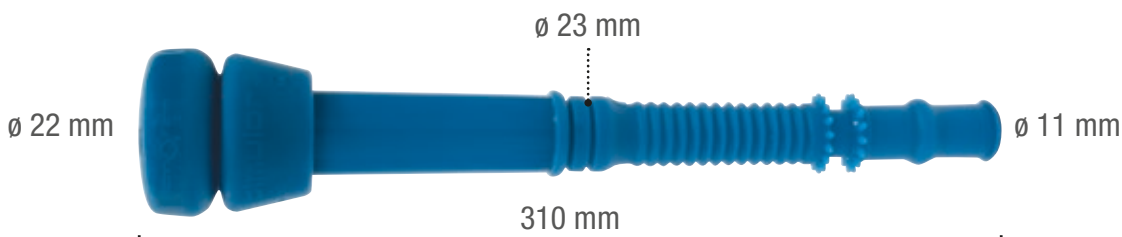
B0175202

SET LINERS X.CARE S3 L TM 22-23-11 - NTA

Model with angled nipple protection



NIPPLE NTA 13mm



B0460224
B0460226
B0460253
B0460261

INCLUDED



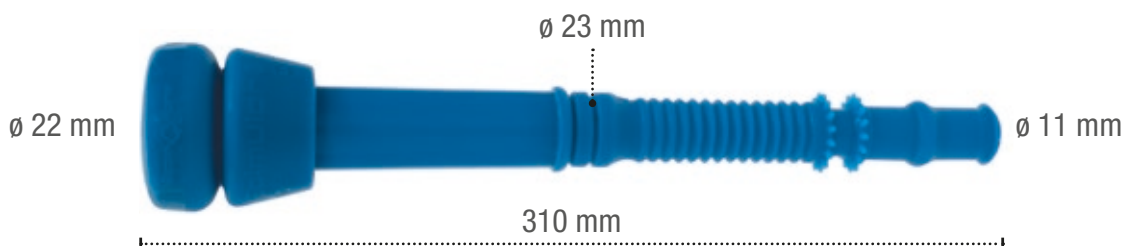
B0175206

SET LINERS X.CARE S3 L TM 22-23-11 - NTD

Model with straight nipple protection



NIPPLE NTD 15mm



B0460224
B0460226
B0460253
B0460261

INCLUDED



B0175302

SET LINERS STIMULOR WF M22



Sight glass
B240210



B0460214
B0460100



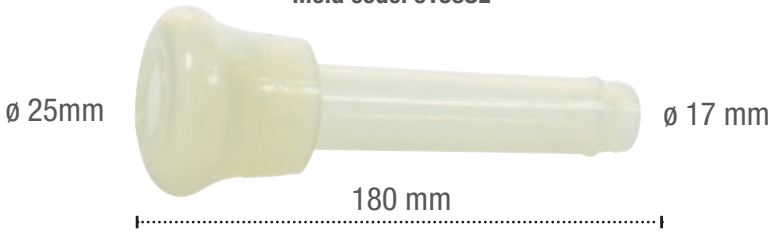
B0111202

SET LINERS WF SHORT TG R D25 SILIC

Mold code: 0153SL



Sight glass
B240210



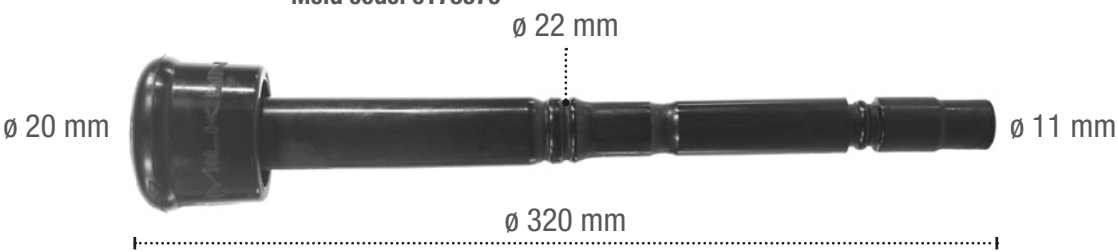
B0460214
B0460100



B0173972

SET LINERS X.CARE R1 XL TP 20-22-11 - DP

Mold code: 0173970



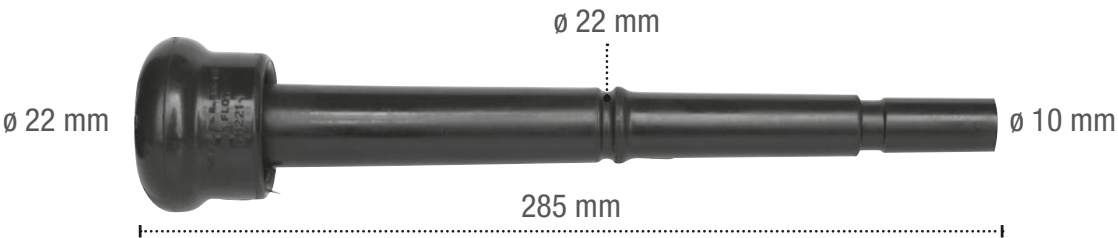
B0460224
B0460226
B0460253
B0460261



B0173912

SET LINERS S.SOFT L TP 22-22-10

Mold code: 811221-1



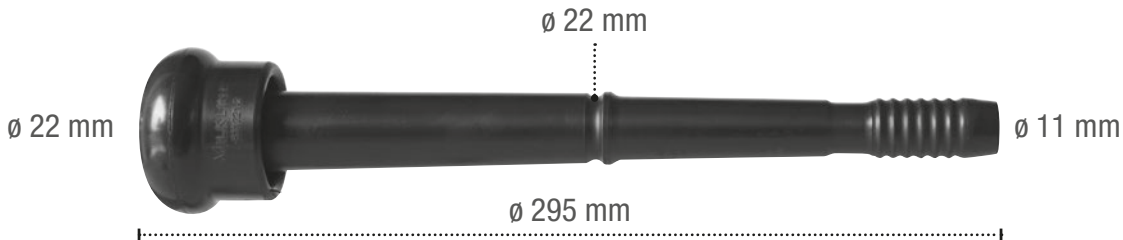
B0460224
B0460226
B0460253
B0460261



B0173872

SET LINERS S.SOFT L TP 22-22-11

Mold code: 811221-2



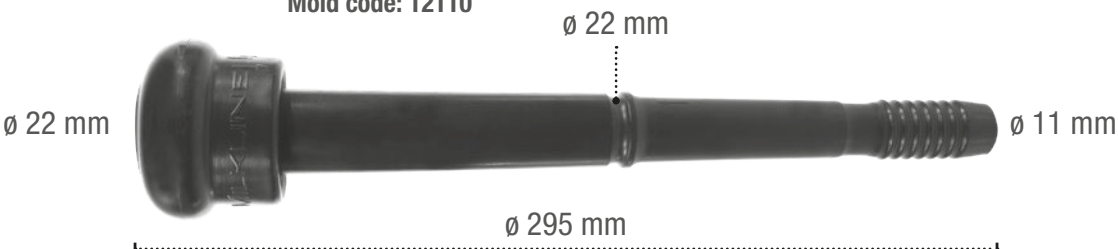
B0460224
B0460226
B0460253
B0460261



B0012112

SET LINERS FM X ML L TP C 22-22-11 155X20

Mold code: 12110



B0460224
B0460226
B0460253
B0460261



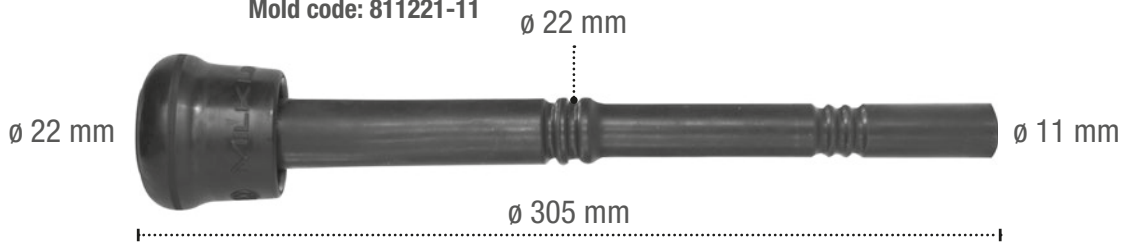
LINERS FOR COWS



B0174962

SET LINERS X.CARE R2 L TM 22-22-11 - BEND

Mold code: 811221-11



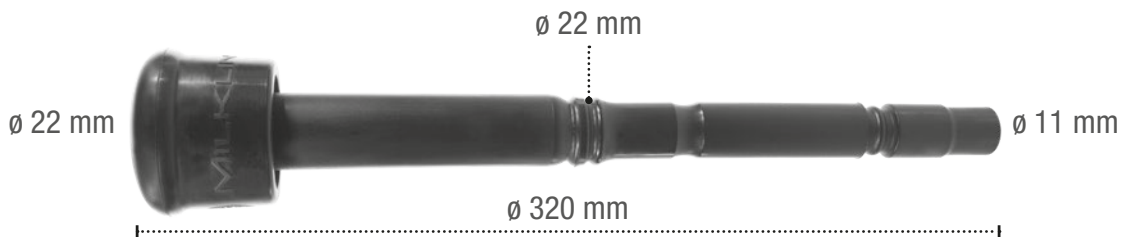
B0460224
B0460226
B0460253
B0460261



B0173982

SET LINERS X.CARE R1 XL TP 22-22-11 - DP

Mold code: 0173980



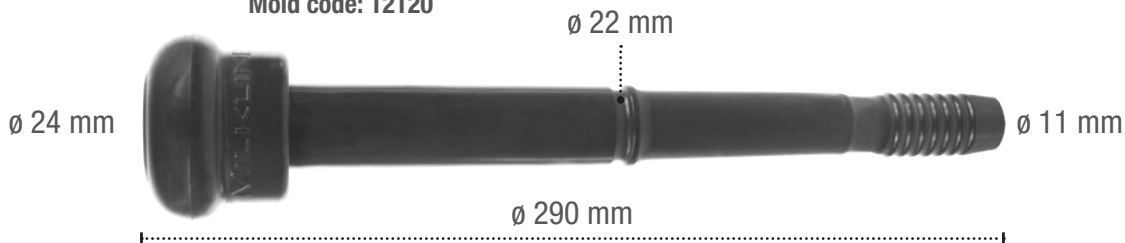
B0460224
B0460226
B0460253
B0460261



B0012122

SET LINERS FM X ML L TP C 24-22-11 155X20

Mold code: 12120



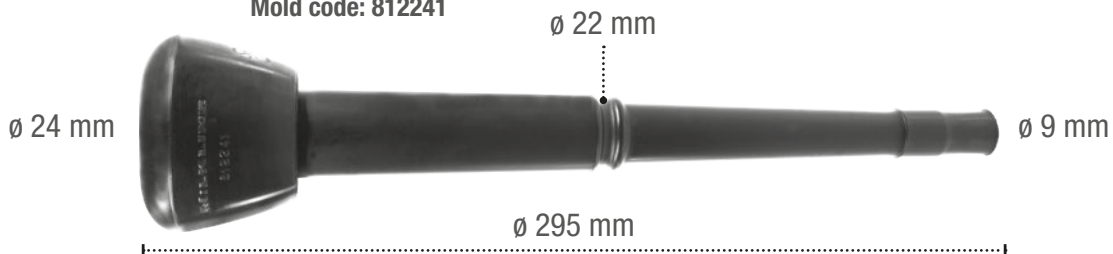
B0460224
B0460226
B0460253
B0460261



B0173802

SET LINERS S.SOFT L TG 24-22-9 - CNC

Mold code: 812241



B0460224
B0460226
B0460253
B0460261



B0010872-1

SET LINERS FM X ML L TG C 24-22-11 155X20

Mold code: 0010870-1



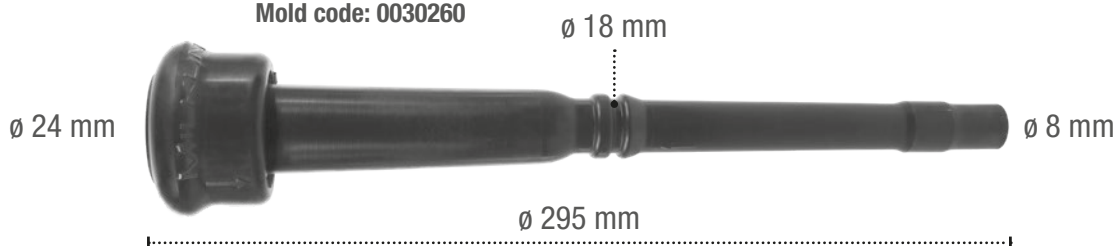
B0460224
B0460226
B0460253
B0460261



B0030262

SET LINERS FM X ML L TP 24-18-8 155X17

Mold code: 0030260



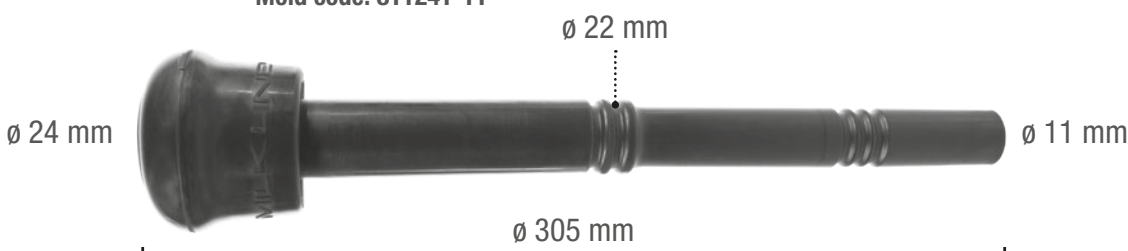
B0460200
B0460202



B0174972

SET LINERS X.CARE R2 L TM 24-22-11 - BEND

Mold code: 811241-11



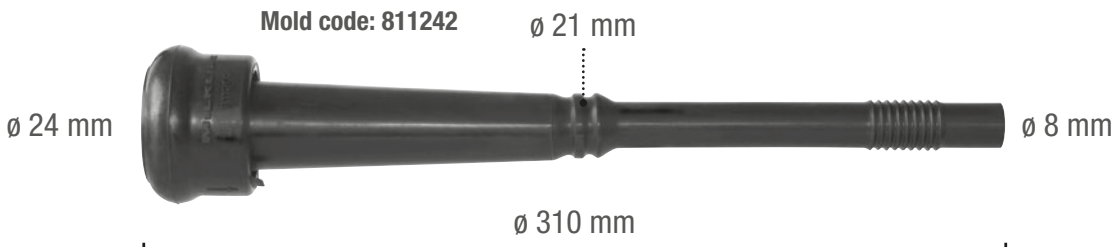
B0460224
B0460226
B0460253
B0460261



B01737021

SET LINERS S.SOFT L TP 24-21-8

Mold code: 811242



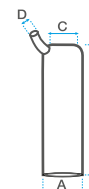
B0460200
B0460202



B0172502

SET LINERS S.SOFT L TP 25-18-9 - RU

Mold code: 911253



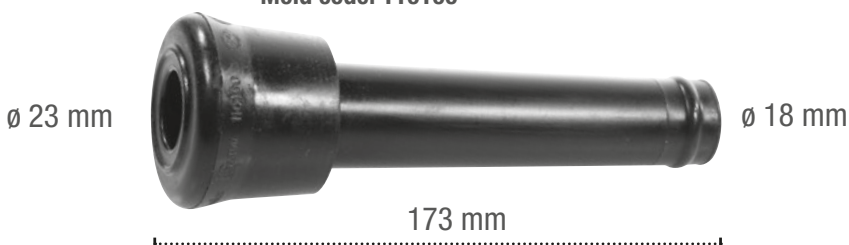
A: ø 44,5x2,5
B: 158
C: ø 18
D: ø 9



B0110102

SET LINERS FM X WF C TP R D23

Mold code: 110100



Sight glass
B240210



B0460214
B0460100



LINERS FOR SHEEP AND GOATS

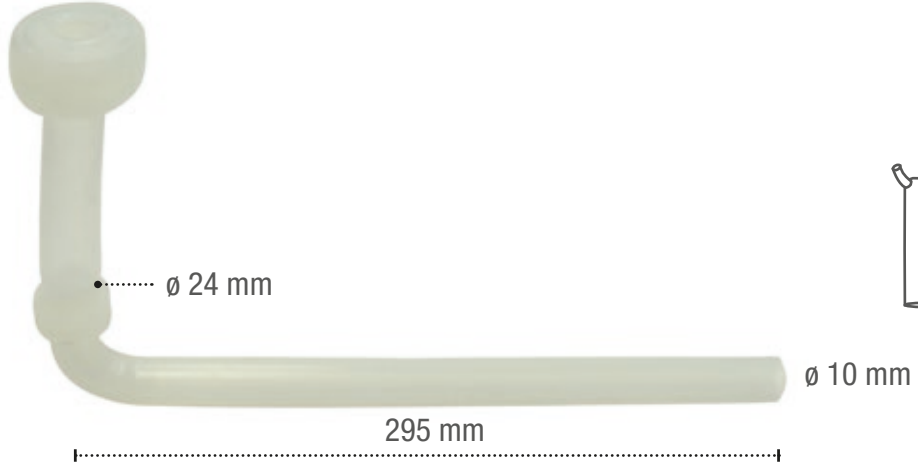


B0170631

LINER ML SHEEPS SIL CURVED L D.17

Mold code: 911181-1

ø 17 mm



B0460318

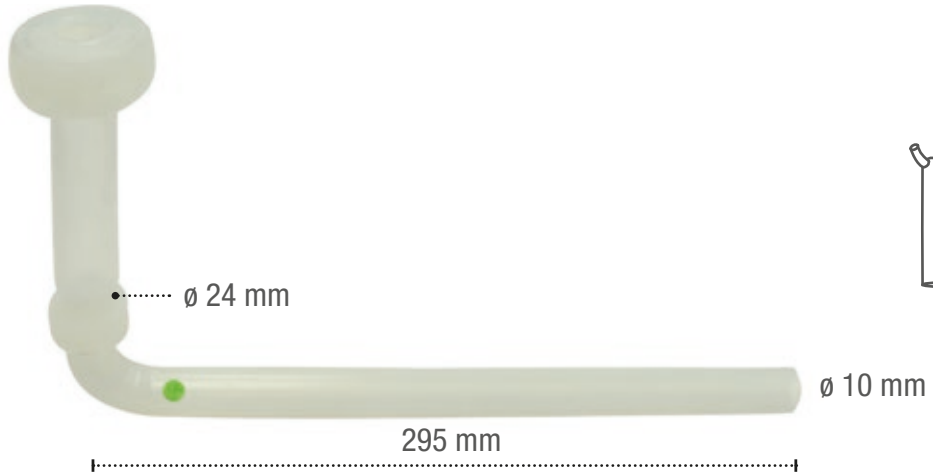


B01706310

LINER ML SHEEPS SIL CURVED L D.17 WCH

Mold code: 911181-1

ø 17 mm



B0460318

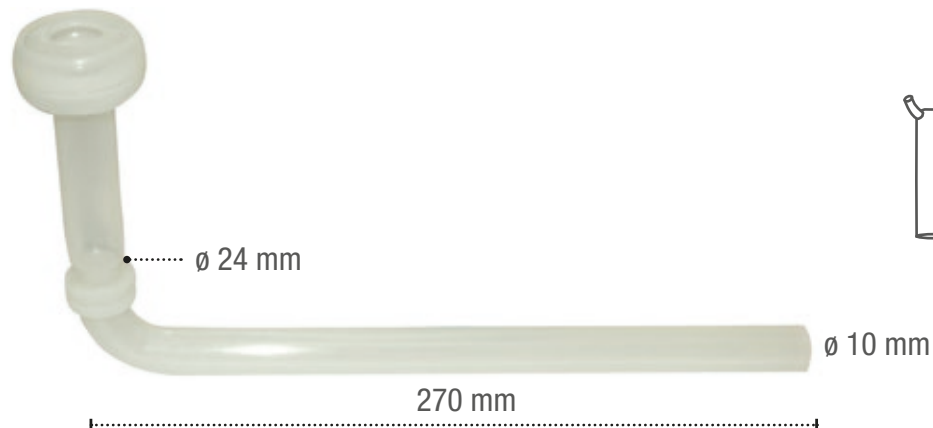


B0170625

LINER NZ SHEEPS SIL CURVED L D.19

Mold code: 0-524

ø 19 mm



B0460318



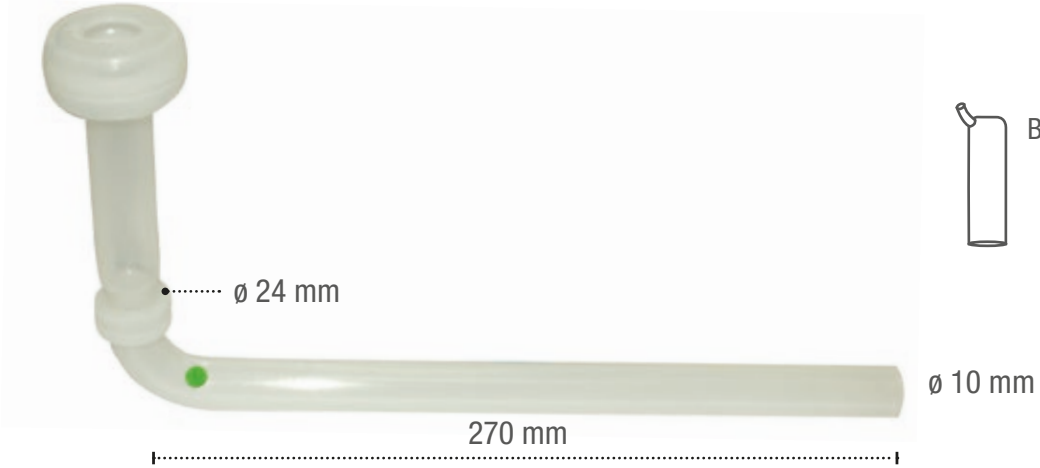
LINERS FOR SHEEP AND GOATS



B01706250 LINER NZ SHEEPS SIL CURVED L D.19 WCH

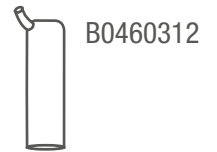
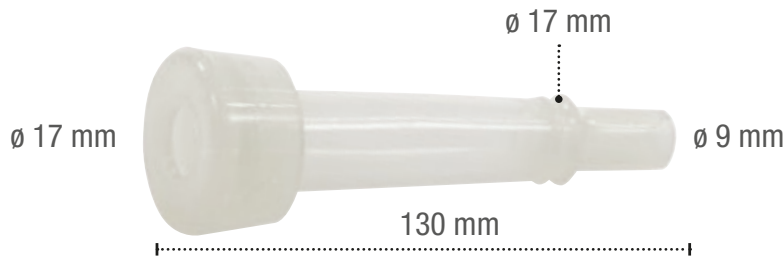
Mold code: 0-524

ø 19 mm



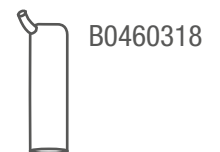
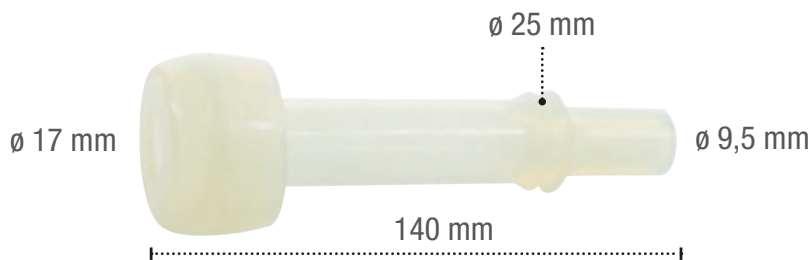
B0170610 LINER NZ SHEEPS SILICON SMALL

Mold code: 0-301-A



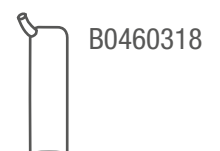
B0170620 LINER NZ SHEEPS SILIC.TYPE FB

Mold code: 0395-S



B0170640 LINER ML SHEEPS SIL STRAIGHT

Mold code: 921181





LINERS FOR SHEEP AND GOATS



B0170800

LINER ALLMATIC SHEEPS BLACK

Mold code: 0-522



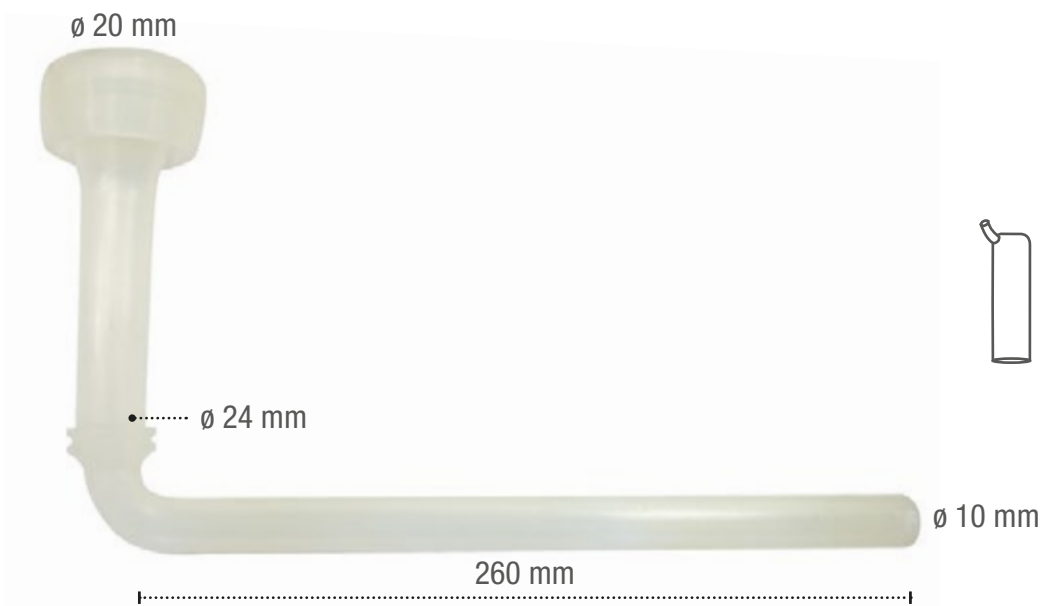
B0460320



B0170742

LINER ML GOATS LONG CURVED SIL TG20

Mold code: SCR-03



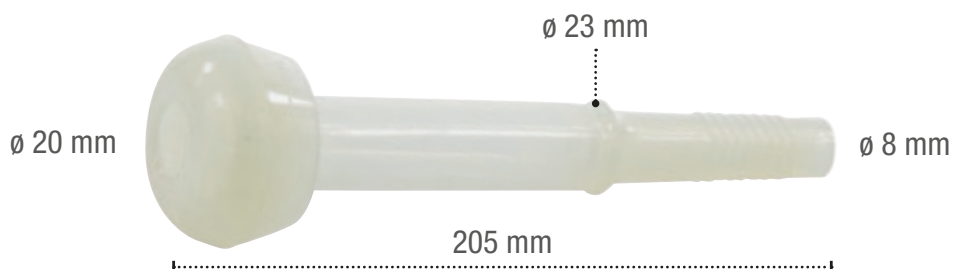
B0460415



B0170720

LINER NZ GOATS SILIC.TYPE FB

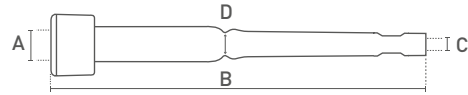
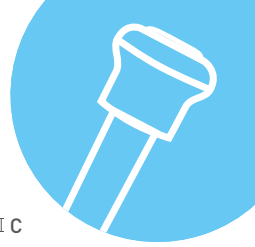
Mold code: 0-300L



B0460413



LINER TABLE



COWS							
	Code	Liner model	Inlet hole ø (A)	Length (B)	Outlet hole ø (C)	External ø (D)	
SILICON	B0175102-1	SET LINERS X.CARE S2 L TM 20-22-11 - BEND	ø 20 mm	300 mm	ø 11 mm	ø 22 mm	
	B0175152	SET LINERS X.CARE S1 L TP 20-20-12 - NTD	ø 20 mm	300 mm	ø 12 mm	ø 20 mm	
	B0175210	SET LINERS X.CARE S3 L TM 20-23-11 - NTD	ø 20 mm	310 mm	ø 11 mm	ø 23 mm	
	B0175214	SET LINERS X.CARE S3 L TM 20-23-11 - NTA	ø 20 mm	310 mm	ø 11 mm	ø 23 mm	
	B0175112-1	SET LINERS X.CARE S2 L TM 22-22-11 - BEND	ø 22 mm	300 mm	ø 11 mm	ø 22 mm	
	B0175202	SET LINERS X.CARE S3 L TM 22-23-11 - NTA	ø 22 mm	310 mm	ø 11 mm	ø 23 mm	
	B0175206	SET LINERS X.CARE S3 L TM 22-23-11 - NTD	ø 22 mm	310 mm	ø 11 mm	ø 23 mm	
	B0175302	SET LINERS STIMULOR WF M22	ø 22 mm	175 mm	ø 15 mm	-	
	B0111202	SET LINERS WF SHORT TG R D25 SILIC	ø 25 mm	180 mm	ø 17 mm	-	
RUBBER	B0173972	SET LINERS X.CARE R1 XL TP 20-22-11 - DP	ø 20 mm	320 mm	ø 11 mm	ø 22 mm	
	B0173912	SET LINERS S.SOFT L TP 22-22-10	ø 22 mm	285 mm	ø 10 mm	ø 22 mm	
	B0173872	SET LINERS S.SOFT L TP 22-22-11	ø 22 mm	295 mm	ø 11 mm	ø 22 mm	
	B0012112	SET LINERS FM X ML L TP C 22-22-11 155X20	ø 22 mm	295 mm	ø 11 mm	ø 22 mm	
	B0174962	SET LINERS X.CARE R2 L TM 22-22-11 - BEND	ø 22 mm	305 mm	ø 11 mm	ø 22 mm	
	B0173982	SET LINERS X.CARE R1 XL TP 22-22-11 - DP	ø 22 mm	320 mm	ø 11 mm	ø 22 mm	
	B0012122	SET LINERS FM X ML L TP C 24-22-11 155X20	ø 24 mm	290 mm	ø 11 mm	ø 22 mm	
	B0173802	SET LINERS S.SOFT L TG 24-22-9 - CNC	ø 24 mm	295 mm	ø 9 mm	ø 22 mm	
	B0010872-1	SET LINERS FM X ML L TG C 24-22-11 155X20	ø 24 mm	295 mm	ø 11 mm	ø 22 mm	
	B0030262	SET LINERS FM X ML L TP 24-18-8 155X17	ø 24 mm	295 mm	ø 8 mm	ø 18 mm	
	B0174972	SET LINERS X.CARE R2 L TM 24-22-11 - BEND	ø 24 mm	305 mm	ø 11 mm	ø 22 mm	
	B01737021	SET LINERS S.SOFT L TP 24-21-8	ø 24 mm	310 mm	ø 8 mm	ø 21 mm	
	B0172502	SET LINERS S.SOFT L TP 25-18-9 - RU	ø 25 mm	287 mm	ø 9 mm	ø 18 mm	
	B0110102	SET LINERS FM X WF C TP R D23	ø 23 mm	173 mm	ø 18 mm	-	
	SHEEP AND GOATS						
	SILICON	B0170631	LINER ML SHEEPS SIL CURVED L D.17	ø 17 mm	295 mm	ø 10 mm	ø 24 mm
B01706310		LINER ML SHEEPS SIL CURVED L D.17 WCH	ø 17 mm	295 mm	ø 10 mm	ø 24 mm	
B0170625		LINER NZ SHEEPS SIL CURVED L D.19	ø 19 mm	270 mm	ø 10 mm	ø 24 mm	
B01706250		LINER NZ SHEEPS SIL CURVED L D.19 WCH	ø 19 mm	270 mm	ø 10 mm	ø 24 mm	
B0170610		LINER NZ SHEEPS SILICON SMALL	ø 17 mm	130 mm	ø 9 mm	ø 17 mm	
B0170620		LINER NZ SHEEPS SILIC.TYPE FB	ø 17 mm	140 mm	ø 9,5 mm	ø 25 mm	
B0170640		LINER ML SHEEPS SIL STRAIGHT	ø 18 mm	140 mm	ø 9 mm	ø 18 mm	
B0170742		LINER ML GOATS LONG CURVED SIL TG20	ø 20 mm	260 mm	ø 10 mm	ø 24 mm	
B0170720		LINER NZ GOATS SILIC.TYPE FB	ø 20 mm	205 mm	ø 8 mm	ø 23 mm	
RUBBER	B0170800	LINER ALLMATIC SHEEPS BLACK	ø 18 mm	140 mm	ø 13 mm	ø 25 mm	

Any reference to original brands is for the purpose of identifying compatibility with the spare part.

Trademarks and names that are not Milkline are to be regarded as their own property and are used for reference only in accordance with Article 21 paragraph 1c).



TEAT-CUP SHELLS

The teat-cup shell not only supports the liner, it also has a very important function related both to the effectiveness in closing the vacuum during the attachment phases and to the performance of a correct pulsation cycle. Every type of liner must be matched to a specific teat-cup shell, according to its shape, internal and external diameter, volume, weight and length. **The Milkline range features s/s, plastic, steel and plastic teat-cup shells, so that every farm can customise its milking cluster with respect to weight and performance.**



TEAT-CUP SHELLS FOR COW LINERS



TEAT-CUP SHELLS FOR SHEEP AND GOAT LINERS





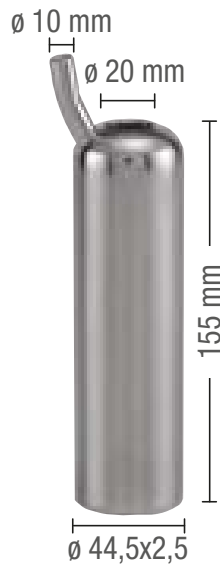
TEAT-CUP SHELLS FOR COWS



B0460226

**S/S SHELL
ML/MA STD
44,5X2,5X155 D.20**

Weight: 420 g



B0460253

**S/S/PLASTIC SHELL
MILKLINE LIGHT
44,5X1,5X155 D.20**

Weight: 265 g



B0460261

**S/S/PLASTIC SHELL
LIGHT
44,5X1,5X155 D.20**

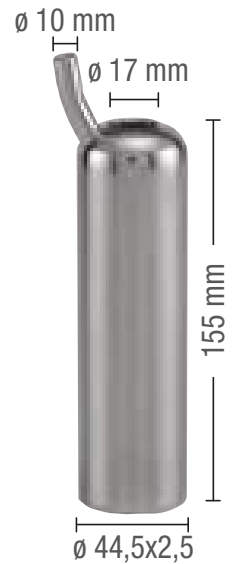
Weight: 190 g



B0460200

**S/S SHELL
AL STD
44,5X2,5X155 D.17**

Weight: 420 g



B0460202

**S/S SHELL
ML/AL LIGHT
44,5X1,5X155 D.17**

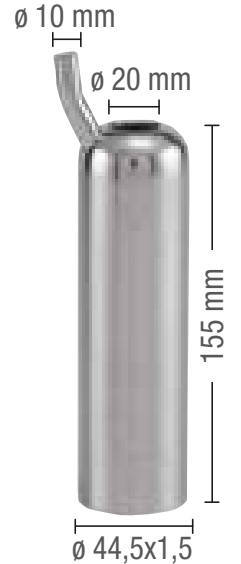
Weight: 250 g



B0460224

**S/S SHELL
ML/MA LIGHT
44,5X1,5X155 D.20**

Weight: 260 g





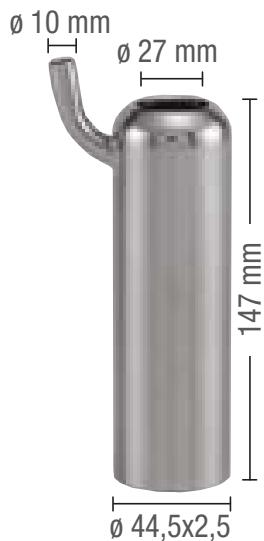
TEAT-CUP SHELLS FOR COWS



B0460100

**S/S SHELL
WF STD
44,5X2,5X147 D.27**

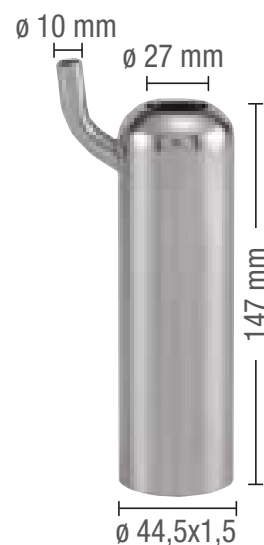
Weight: 390 g



B0460214

**S/S SHELL
WF LIGHT
44,5X1,5X147 D.27**

Weight: 230 g



B0460259

**S/S/PLASTIC SHELL
MILKLINE LIGHT
44,5X1,5X145 D.20**

Weight: 170 g



B0460263

**S/S/PLASTIC SHELL
MILKLINE LIGHT
42,4X1,5X145 D.20**

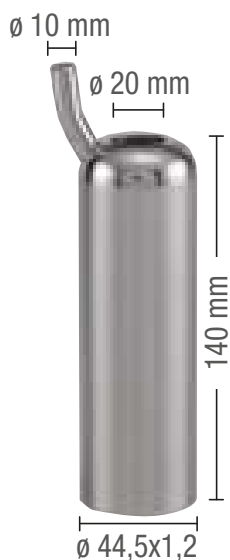
Weight: 170 g



B0460222

**S/S SHELL
ML/AL LIGHT
44,5X1,2X140 D.20**

Weight: 175 g



B0460220

**S/S SHELL
ML/AL STD
44,5X2,5X140 D.20**

Weight: 380 g





TEAT-CUP SHELLS FOR SHEEP AND GOATS



B0460318

**PLASTIC SHELL
FOR SHEEP MILKLINE
31X3,5X111 D.21**

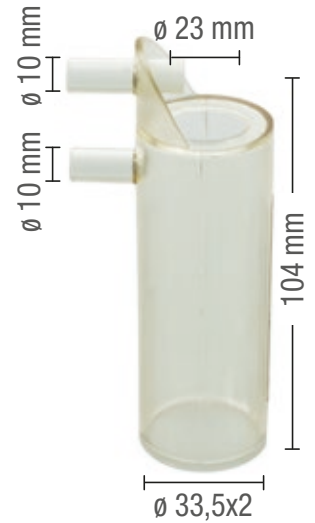
Weight: 50 g



B0460320

**PLASTIC SHELL
FOR SHEEP ALMATIC
33,5X2X104 D.23**

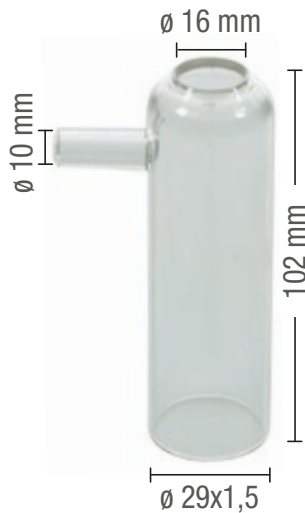
Weight: 38 g



B0460312

**PLASTIC SHELL
FOR SHEEP NZ LITTLE
29X1,5X102 D.16**

Weight: 28 g



B0460413

**PLASTIC SHELL
FOR GOAT NZ TYPE FB
48X4X130 D.20**

Weight: 54 g



B0460415

**PLASTIC SHELL
FOR GOAT MILKLINE
38X4,5X128 D.20**

Weight: 76 g





MILK TUBES AND SHORT TUBES

Milkline offers a wide range of milk tubes, made of different materials and sizes to suit the needs of any dairy farm.

The food-approved inner wall of the tube allows the milk to pass through safely, without releasing substances hazardous to human health. The specially designed outer wall, on the other hand, protects the tube from being attacked by external agents and hostile environmental conditions.



**OPERATING TEMPERATURE:
PVC AND BLACK RUBBER
-25°C +110°C
SILICON: -30°C +150°C**



RUBBER MILK TUBES

SILICON MILK TUBES

PVC MILK TUBES

SHORT RUBBER MILK TUBES





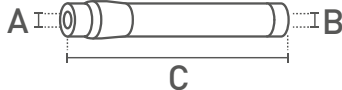


	Code	Description	Material	Internal hole ø	External hole ø	Roll length
	B0260120	Milk hose white line	Rubber	ø 9,5 mm	ø 16 mm	50 m
	B02602501	Milk hose white line	Rubber	ø 12 mm	ø 22 mm	25 m
	B0260552	Milk hose white line	Rubber	ø 18 mm	ø 30 mm	25 m
	B0260655	Milk hose orange line	Rubber	ø 22 mm	ø 37 mm	15 m
	B0260760	Milk hose	Rubber	ø 29 mm	ø 46 mm	15 m
	B02620301	Milk hose white line Milcline	Rubber	ø 13 mm	ø 23 mm	25 m
	B02620401	Milk hose white line Milcline	Rubber	ø 14 mm	ø 25 mm	25 m
	B02620501	Milk hose white line Milcline	Rubber	ø 15 mm	ø 26 mm	25 m
	B0262058	Milk hose white line Milcline	Rubber	ø 16 mm	ø 27 mm	25 m
	B0265010	Milk and vacuum hose white line with 3 outlets	Rubber	ø 14-7 mm	ø 25-14 mm	20 m
	B0270760	Milk hose blue line Milcline	PVC	ø 14,5 mm	ø 24,5 mm	30 m
	B0270770	Milk hose blue line Milcline	PVC	ø 16 mm	ø 26 mm	30 m
	B0271075	Milk hose blue line	Silicon	ø 9 mm	ø 17,5 mm	25 m
	B0271161	Milk hose blue line	Silicon	ø 14 mm	ø 25 mm	25 m
	B0271121	Milk hose blue line	Silicon	ø 16 mm	ø 28 mm	25 m
	B0271162	Milk hose blue line Milcline	Silicon	ø 14 mm	ø 25 mm	25 m
	B0271122	Milk hose blue line Milcline	Silicon	ø 16 mm	ø 28 mm	25 m



MILK SHORT TUBES

Code	Set	Description	Material	Internal hole ø (A)	Internal hole ø (B)	Length (C)
B0250930/1	4x	Milk short tube type WF (Dwg. 2)	Rubber	ø 8,5 mm	ø 10 mm	140 mm
B0250932	4x	Milk short tube reinforced SK (Dwg. 2)	Rubber	ø 10 mm	ø 10 mm	140 mm
B0251607	4x	Milk short tube type WF (Dwg. 2)	Rubber	ø 10 mm	ø 10 mm	140 mm
B0250510	4x	Milk short tube reinforced Milkline (Dwg. 1)	Rubber	ø 7 mm	ø 8 mm	150 mm
B0250530	4x	Milk short tube reinforced Milkline (Dwg. 1)	Rubber	ø 9 mm	ø 10 mm	150 mm
B0251612	4x	Milk short tube type WF (Dwg. 2)	Rubber	ø 10 mm	ø 10 mm	160 mm
B0251632	4x	Milk short tube type WF (Dwg. 2)	Rubber	ø 10 mm	ø 10 mm	180 mm
B0250710	4x	Milk short tube reinforced Milkline (Dwg. 2)	Rubber	ø 7 mm	ø 10 mm	180 mm
B0251622	4x	Milk short tube type WF (Dwg. 2)	Rubber	ø 8,5 mm	ø 10 mm	180 mm
M0250952	4x	Milk short tube reinforced SK (Dwg. 2)	Rubber	ø 10 mm	ø 10 mm	180 mm

Dwg.1  Dwg.2  

Any reference to original brands is for the purpose of identifying compatibility with the spare part.

Trademarks and names that are not Milkline are to be regarded as their own property and are used for reference only in accordance with Article 21 paragraph 1c).



VACUUM TUBES AND SHORT TUBES

Milkline offers a wide range of vacuum tubes, made of rubber, PVC and silicon with characteristics that prevent unwanted bottlenecks during use.

Our vacuum tubes provide an unbreakable barrier against bacteria thanks to a product formulation specifically designed to perform best in extreme environments.

Handy, elastic and flexible to be easily folded and, at the same time, rigid to preserve their shape.

RUBBER VACUUM TUBES

PVC VACUUM TUBES

SHORT RUBBER AND PVC VACUUM TUBES



**OPERATING TEMPERATURE:
PVC AND BLACK RUBBER
-25°C +110°C**

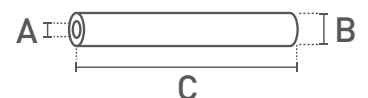
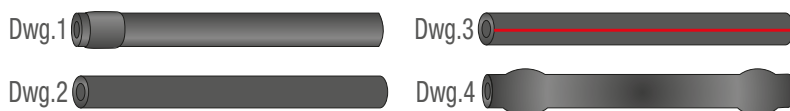




VACUUM TUBES AND SHORT TUBES

	Code	Description	Material	Internal hole \varnothing	External hole \varnothing	Roll length
	B0282196	P4C 5 way pulsation tube	Rubber	\varnothing 5 mm	-	25 m
	B0281602	Vacuum tube blue line Milkline	Rubber	\varnothing 7 mm	\varnothing 14 mm	25 m
	B02816501	Vacuum tube blue line Milkline	Rubber	\varnothing 13 mm	\varnothing 23 mm	25 m
	B0282182	Twin tube blue line Milkline	Rubber	\varnothing 7 mm	\varnothing 14 mm	25 m
	B0282032	Twin tube red line Milkline	Rubber	\varnothing 7.6 mm	\varnothing 14.5 mm	25 m
	B0393265	Tube for Milkline milkclaw	PVC	\varnothing 5 mm	\varnothing 8 mm	100 m
	M02821702	Twin tube blue line Milkline - New	PVC	\varnothing 7 mm	\varnothing 13 mm	30 m
	B0270683	Vacuum tube blue line Milkline	PVC	\varnothing 7,6 mm	\varnothing 14,6 mm	50 m
	B0282173	Twin tube blue line Milkline	PVC	\varnothing 7,6 mm	\varnothing 14,6 mm	30 m

Code	Set	Description	Material	Internal hole \varnothing (A)	External hole \varnothing (B)	Length (C)
B0280510	4x	Short vacuum tube (Dwg. 2)	Rubber	\varnothing 7 mm	\varnothing 13 mm	205 mm
M0280240	4x	Short vacuum tube TZ N (Dwg. 4)	Rubber	\varnothing 6 mm	\varnothing 13 mm	230 mm
B0280310	4x	Short vacuum tube (Dwg. 1)	Rubber	\varnothing 7 mm	\varnothing 13 mm	230 mm
B0280530	4x	Short vacuum tube red line (Dwg. 3)	Rubber	\varnothing 7 mm	\varnothing 14 mm	270 mm
M0280761	4x	Short vacuum tube red line black (Dwg. 3)	PVC	\varnothing 7 mm	\varnothing 14 mm	205 mm
M0280710	4x	Short vacuum tube transparent (Dwg. 3)	PVC	\varnothing 7,6 mm	\varnothing 14,6 mm	270 mm





PERIODIC REPLACEMENT OF LINERS

We can compare the milking machine to a car that has to travel long distances every day and must always be ready to go, without ever leaving us stranded.

Like all machines subjected to intensive use, the milking machine also needs a “periodic service” and any materials subject to wear and tear should be replaced. It is precisely for this reason that routinely changing the liner and periodically replacing the tubes is an essential step that requires a precise timetable to be adhered to.





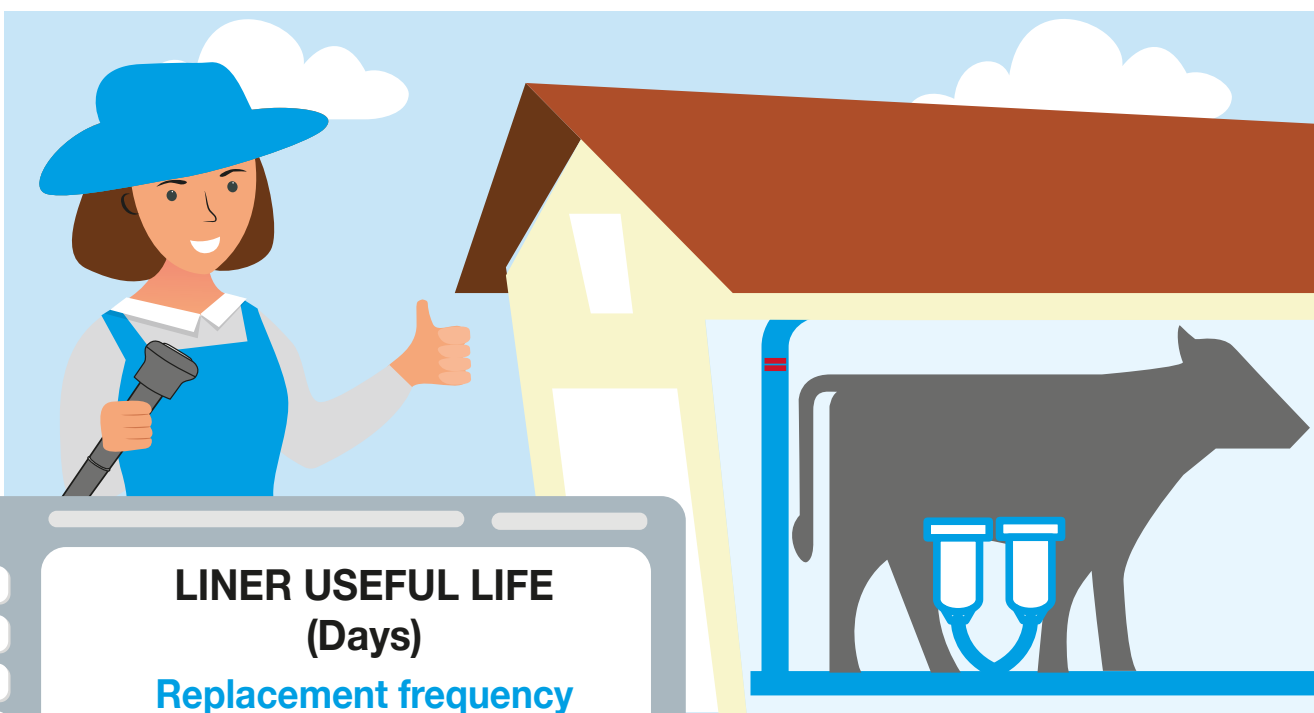
PERIODIC REPLACEMENT OF LINERS

CALCULATION OF REPLACEMENT INTERVALS

It is necessary to replace the **rubber liners after 2,500 milkings** and, in all cases, within 6 months of installation.

Silicon liners have a longer lifetime, but it is advisable **never to exceed 5,000 milkings** or one year of installation.

Extending the liner and tube replacement intervals beyond that recommended by the manufacturer can lead not only to reduced efficiency of the milking process, but also to harming cow's health and milk quality.



+	LINER USEFUL LIFE (Days) Replacement frequency x clusters No. <hr/> Cows milked x No. of daily milkings
÷	
X	
-	
=	

EXAMPLE 1: RUBBER LINERS

In a herd of 200 cows milked twice a day in a 10+10 parlour (20 milking units in total)

$$\frac{2400 \times 20}{200 \times 2} = 120$$

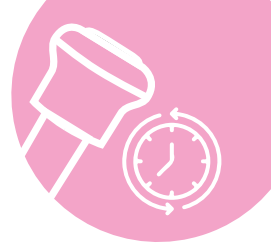
The liners must be replaced every 120 days (4 months)

EXAMPLE 2: SILICON LINERS

In a herd of 200 cows milked twice a day in a 10+10 parlour (20 milking units in total)

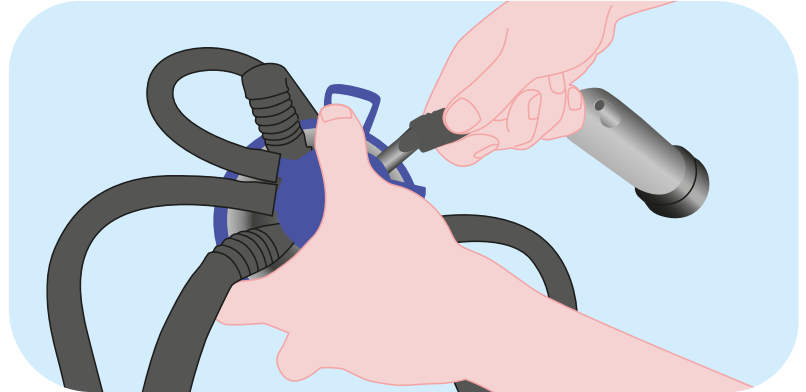
$$\frac{5000 \times 20}{200 \times 2} = 250$$

The liners must be replaced every 250 days (approx. 8 months)

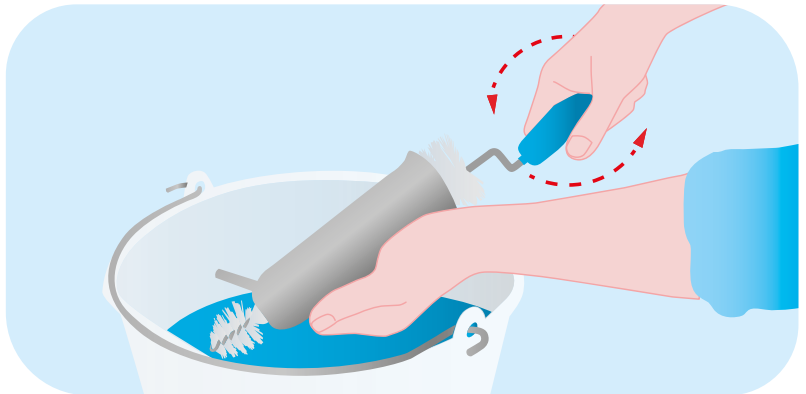


4 SIMPLE STEPS TO CORRECTLY REPLACE THE LINERS

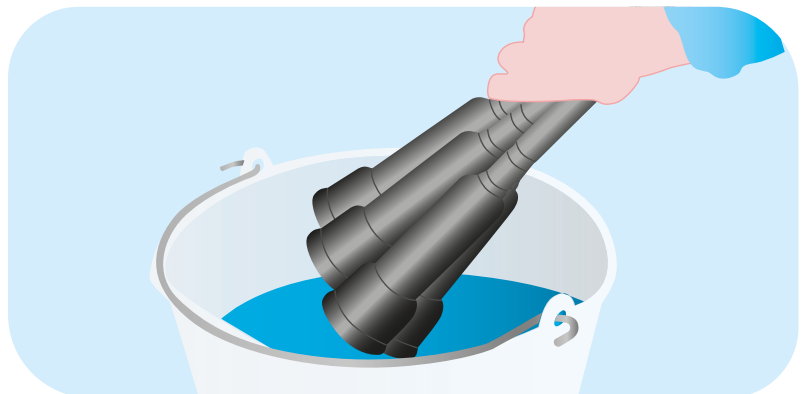
1. Remove the old liners



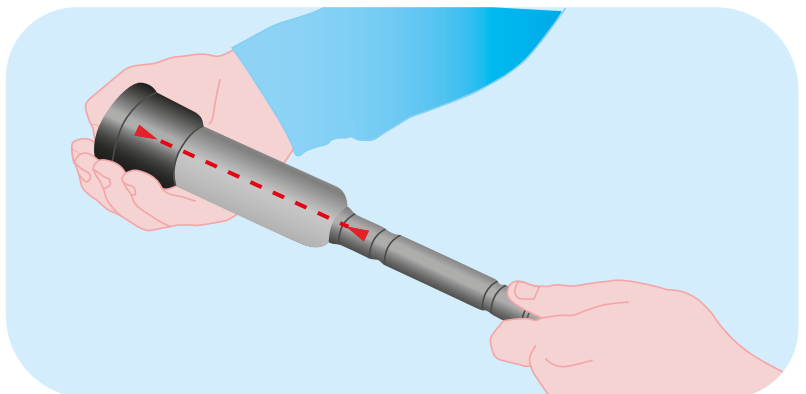
2. Thoroughly clean and rinse the teat cup shells with hot water and let them dry



3. Soak the new liners for at least 10 minutes in hot water (at least 65°C) and let them dry



4. Fit the liners on the teat cup shells, ensuring that they are correctly aligned and tensioned between the liner head and the short milk tube



The information in this brochure is not binding and is subject to change without prior notice.
©Milkline 2023. DEP23046EN_Liners and tubes

MILKLINE®

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

MILKLINE NG SPA

Via Mattei, 2 - 29027 Podenzano (PC) - Italy
Tel. +39 0523 524245 - Fax. +39 0523 524242 - www.milkline.com