

Tank lining



Tank linings are used in water storage tanks. The default tank lining consists of a tank sleeve (plastic film) and wall felt. A base felt and/or anti-algae cover can be applied to this.

APPLICATION

All sites of water storage tanks

CHARACTERISTICS

- ✓ Durable materials including fixing cord
- ✓ Tank lining sleeve available made-to-measure for tanks
- ✓ Tank connectors can be reinstalled in the tank lining sleeve (should be indicated in advance)
- ✓ Delaflex is more UV and fertiliser-resistant than PVC film; furthermore, Delaflex is resistant to very high mechanical loads such as vibration damage

TECHNICAL DATA

DL liner

Material	: FPP (Flexible Polypropylene)
Thickness	: 0.5 mm
Color	: black
Application	: clean water / rainwater / recirculation water
Joining	: cannot be glued, can only be sealed or delivered prefab
Fixing	: nylon strap (1100 kg) and stainless steel ratchets
Certification	: drinking water certificate / CE

Delaflex film

Material	: FPP (flexible polypropylene)
Thickness	: 0.6 mm (optional 1 mm)
Color	: black
Application	: clean water / rainwater / fertiliser water / drainage - recirculation water
Joining	: sealing
Fixing	: tensioning band, one stainless steel ratchet every 6 meters
Resistance	: fertilizers and UV resistant
Certification	: drinking water certificate and food items certification (Germany)

Wall felt

Material	: PP non-woven
Weight	: 300 g/m ²
Colour	: white
Fixing	: PE U-strip (white)

Base felt

Material	: PP non-woven
Weight	: 300 g/m ²
Colour	: white

INSTALLATION & MAINTENANCE

- ✓ Inspect the water tank at regular intervals (refer to the insurance policy).
- ✓ When replacing the tank lining, we recommend replacement of tank lining sleeve and wall felt at the same time.
- ✓ Water inlets should be positioned in the base of the tank.
- ✓ Repair kits are available for PVC and Delaflex film. The set for PVC film consists of approx. 50x50 cm lining and glue with brush. The Delaflex set consists of a strip of Delaseal repair tape. This unique material adheres well to Delaflex film.

Repair set PVC film

Article no.	Description
02283-001050	PVC foil 0,5 mm ca. 100 cm x 100 cm
02292-107055	Saba 70T ¼ ltr
02292-107060	Saba 70T 1 ltr
02292-106996	Saba PVC-ABS cleaner 650 ml bottle with cap
02292-107228	Cleaner cloths 100pcs/box

Repair set Delaflex of DL silo liner

Article no.	description
02283-001060	Delaflex foil 0,6 mm ca. 100 cm x 100 cm
02283-001000	DelaSeal tape 4 cm x 1 m
02292-106996	Saba 70T 1 ltr
02292-107228	Cleaner cloths 100pcs/box

TANK SOCKET ASSEMBLY OVERVIEW

In order to install a pipe through a tank liner a so called tank socket is used. There are mainly 2 different liner materials used for tank liners and 2 different tank sockets are available correspondingly: PVC and FPP tank sockets.

Most socket are factory assembled. This is by far the most labour efficient and safe and reliable connection. Please use the order form to ensure your required sockets are located in the right place in the liner.

PVC tank socket

PVC liner may be glued or sealed or glued with Delaseal. The strongest connection is acquired with sealing. Glue is only used in emergency situations.

FPP tank socket

FPP tank sockets are also called conical tank sockets. Attention: nowadays PVC sockets are also available as conical models. So please do not let the shape of the socket fool you in terms of material. FPP sockets cannot be glued. These need to be sealed.

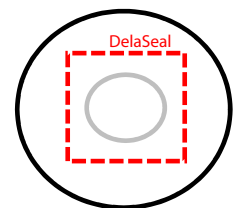
Tank socket overview

Socket for PVC liner		Socket for Delaflex & DL liner		Film socket assembly	
				factory assembly-costs	Onsite Delaseal tailor made socket
50	02283-304448 Liner socket 50 mm ex. montage				
63	02283-304449 Liner socket 63 mm ex. montage	02283-304461		1	ca. 30 x 30 cm
75	02283-304450 Liner socket 75 mm ex. montage	Conical socket 90-50 mm ex. assembly			
90	02283-304455 Liner socket 90 mm ex. montage				
110	02283-304460 Liner socket 110 mm ex. montage	02283-304471		1	ca. 40 x 40 cm
125	02283-304465 Liner socket 125 mm ex. montage	Conical socket 140-75 mm ex. assembly			
160	02283-304470 Liner socket 160 mm ex. montage				
200	02283-304475 Liner socket 200 mm ex. montage	02283-304481		1	ca. 50 x 50 cm
250	02283-304485 Liner socket 250 mm ex. montage	Conical socket 260-125 mm ex. assembly			
315	02283-304490 Liner socket 315 mm ex. montage				ca. 60 x 60 cm
400	02283-304491 Liner socket 400 mm ex. montage	02283-304481		1	ca. 70 x 70 cm
500	02283-304492 Liner socket 500 mm ex. montage	Conical socket 500-200 mm ex. assembly			ca. 80 x 80 cm

Socket assembly

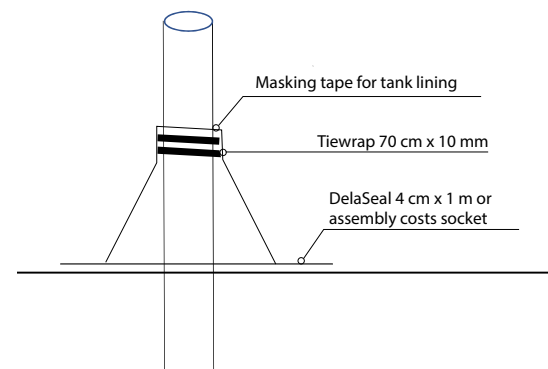
	Required at assembly site:			
	Tape for liner 10 cm x 10 m (02283-304497)	Tie-wrap 70 xm x 10 mm (02283-001070)	Cleaner cloth 100 pcs/box (02292-107228)	Saba PVC-ABS cleaner 650 ml (02292-106996)
50				1 bottle is sufficient for a variety of sockets
63	1	1	1	
75				
90				
110	1	1	1	
125				
160		2		
200	1	2	1	
250		2x2=4		
315	2	2x2=4		
400	2	2x2=4	1	
500	3	2x4=8		

Top view



Conical socket

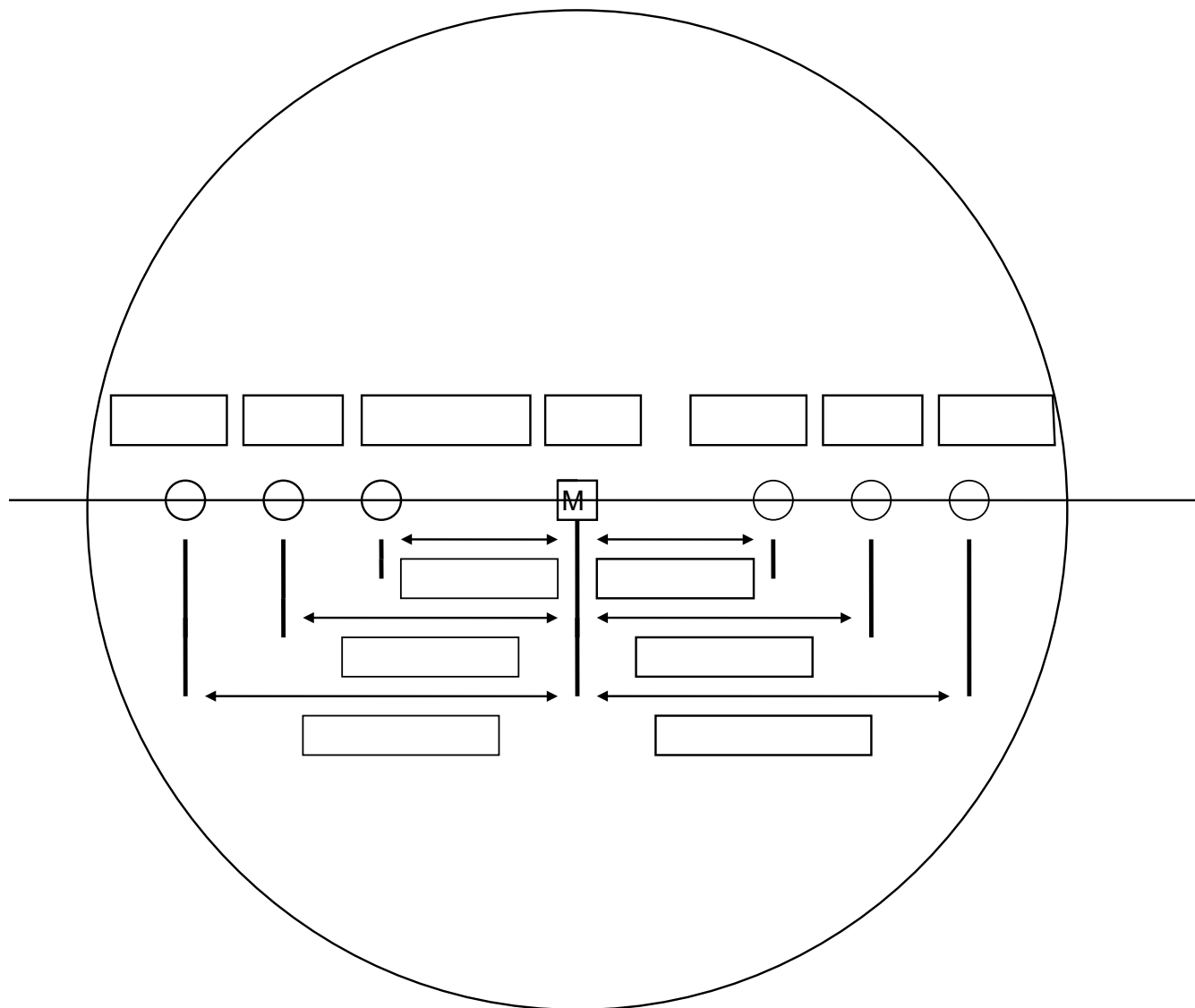
Side view



ORDER FORM TANK LINERS

Please check schematic drawing below carefully before application. After double check we will proceed with production of the liners. Also mention tube types, diameter and centre dimensions. Also not unused tank through puts.

Schematics drawing



1 x conical socket for liner x meter / ordernumber
Delaflex or DL-siloliner