

# TEHA

WE ARE MOVING FLUIDS

- AUTOMATIC HOSE REELS
- HIGH PRESSURE BOILERS
- HIGH PRESSURE CLEANERS



## HOSE HANDLING SYSTEMS

# WE ARE MOVING FLUIDS.

The company Theodor Henrichs GmbH, brand name TEHA, stands out by its firm position in the market, its flexibility and its large variety of products. We are manufacturers of hose reels, boilers and stationary high pressure cleaners.

Our quality products are manufactured by 25 employees on a ground of over 2.600m<sup>2</sup>. Modern CNC-controlled machines as well as computer assisted construction (CAD) allow us to serve our customers from the idea up to the finished part, with solid quality Made in Germany.

# Hose handling systems 2017

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Automatic hose reel

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1" Automatic hose reel

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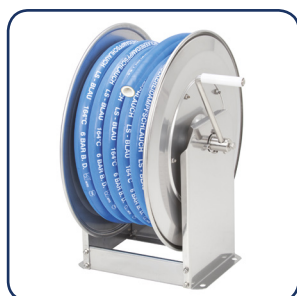


Manual hose reel

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Manual hose reel

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Hose trolley

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Hose stopper, angled swivel

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# Automatic hose reel type ST

Our topseller the hose reel type ST is a very robust and reliable version with automatic spring rewind.

## Available materials:

- Steel, powder coated, RAL7032, RAL3000 (Application in dry areas).
- Stainless steel (Application in wet areas).
- Stainless steel, electropolished (Application in hygienic areas).

## Reel bearing:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt.

## Main spring:

High quality texture and spring band steel with maximum service life.

## Tension release:

The hose can be stopped at 8 positions per each rotation.  
A short pull of the hose releases the locking device.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle.  
The housing consists of a hard anodized aluminium die cast alloy (3/8" & 1/2") or chemical nickel-plated brass (3/4").  
All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM.  
For a surcharge they are also available in Viton for chemistry.

## Hose guide window:

Depending on the pulling direction the hose guide window can be mounted in three positions. Standard delivery condition is position 1 (see page 4).

## Mounting possibilities:

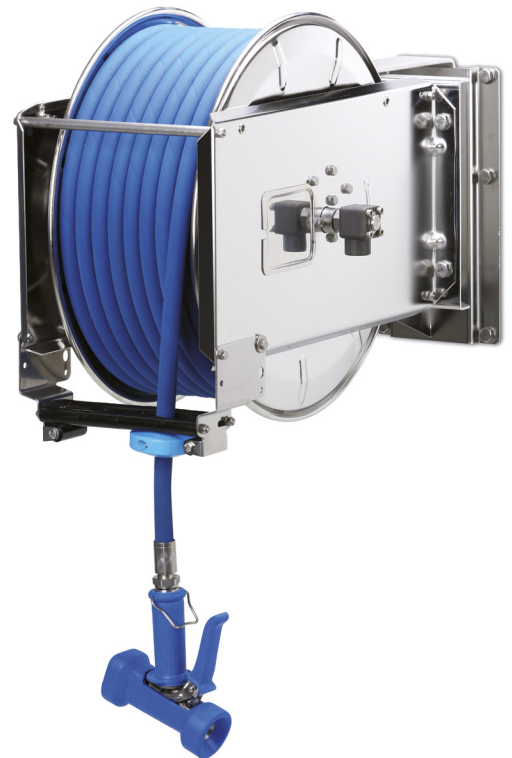
You will find on page 3 various mounting possibilities of the hose reels with the according brackets. For mounting on panel walls counter plates, made of stainless steel, are available for all types of mounting. We recommend a wall swinging bracket if the hose is pulled intensively lateral.

## Application areas:

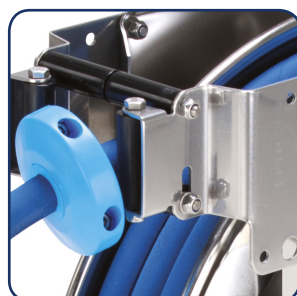
Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C.  
If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 7).

## Accessories:

We are at your disposal to assist you for further accessories or assembling the appropriate hose and pistol (see page 46+47).



Angled swivel WDT10/Al



Hose guide window



Locking screw for the  
hose installation

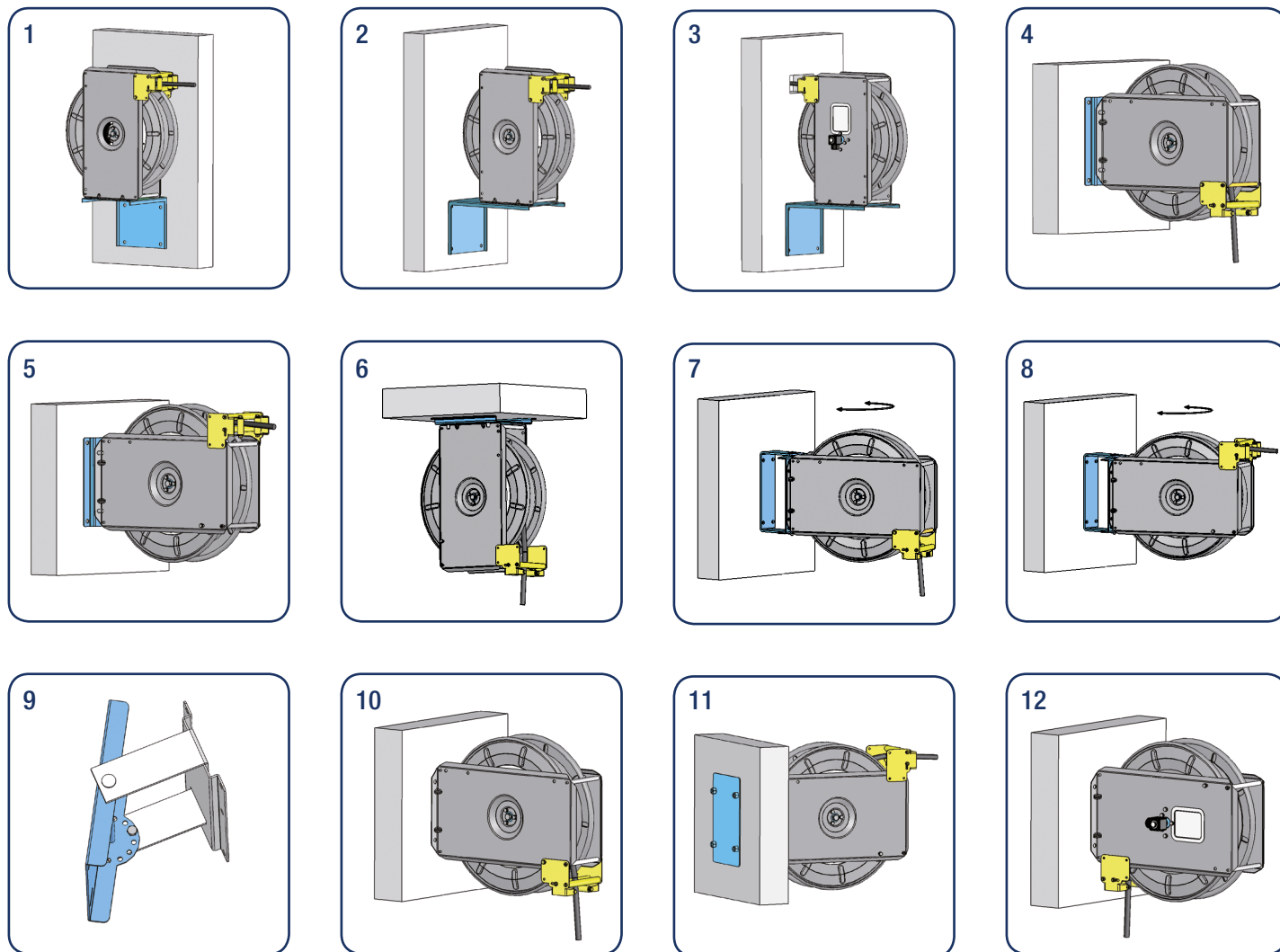


Wall swivel bracket SKW  
see page 42



## Mounting possibilities

Hose reel ST



Pos.	Description	Window pos.	Bracket type
1	Angle bracket for fixed wall mounting. parallel to wall.	1	KHDp
2	Angle bracket for fixed wall mounting. right-angled to wall.	1	KHDr
3	Angle bracket for fixed wall mounting with wall duct window.	1	KHDr
4	Bracket for fixed wall and ceiling mounting, hose to the bottom.	1	KWH
5	Bracket for fixed wall and ceiling mounting, hose to the front.	2	KWH
6	Bracket for fixed wall and ceiling mounting, mounted to ceiling.	2	KWH
7	Wall swinging bracket, hose to the bottom, rotation 180°.	1	SKW
8	Wall swinging bracket, hose to the front, rotation 180°.	2	SKW
9	Wall swinging bracket SKW40/1 & 40/2 can be fixed in 7 positions.	X	SKW
10	Installation without bracket.	1	X
11	Installation on panel walls with back counter plate.	2	STG
12	Hose guide window close to the wall.	3	X



2006/42/EG  
(machinery directive)



DIN EN 1672-2  
(food process. machinery)



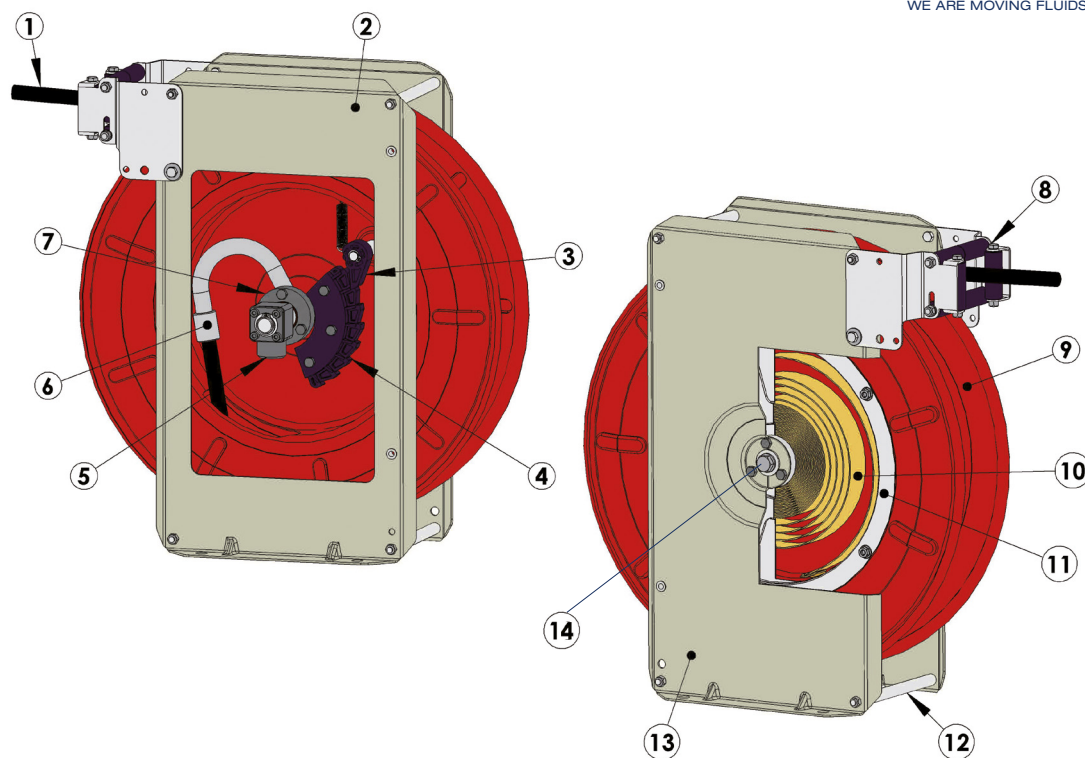
DIN EN ISO 12100  
(security for machines)



## Sectional view

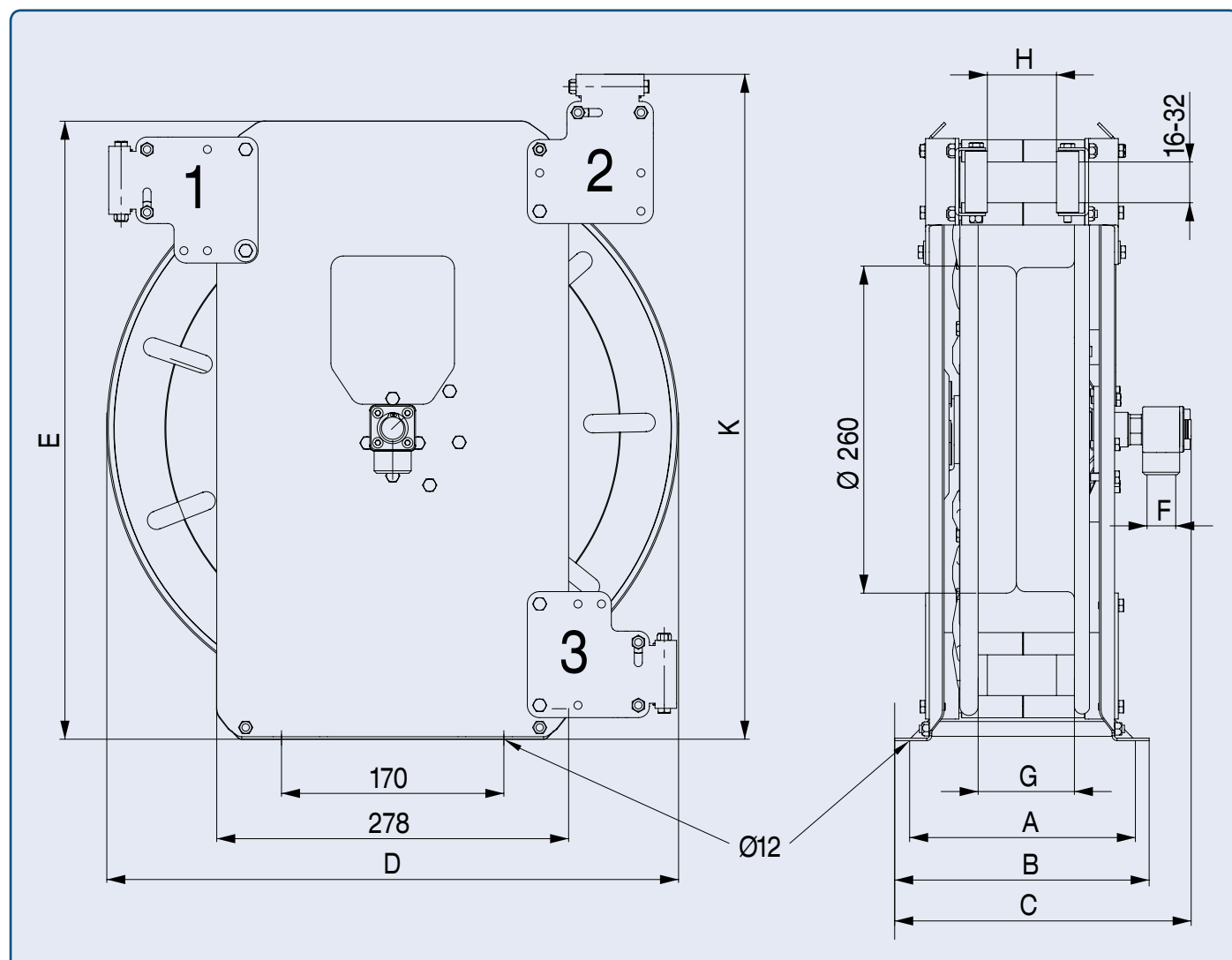
### Hose reel ST









P.	Description
1	Working hose
2	Stand, right
3	Ratchet
4	Toothed segment
5	Angled swivel
6	Pipe elbow
7	Drum bearing
8	Hose guide window
9	Drum
10	Main spring
11	Spring cover
12	Distance bar
13	Stand, left
14	Fixing screw



## Dimensions

Hose reel ST - Mounting possibilities of the hose guide window. Standard delivery condition is 1. Alternative 2 and 3.





Type	Item number	Rewindable hose length in meter depending of the hose outside diameter-Ø [ mm ]				Nominal diameter/ thread* F		Max. pressure	Weight	Dimensions [ mm ]								Surface
																		
		Ø15	Ø20	Ø25	Ø30	mm	Inch	bar	kg	A	B	C	D	E	G	H	K	
<b>3/8" (DN10)</b>																		
ST14/10	V10710002	14	12			10	3/8"	300	13,0	176	206	239	400	440	75	48	470	Powder coated
ST14/10e	V10710011	14	12			10	3/8"	300	13,0	176	206	239	400	440	75	48	470	Stainless steel
ST14/10ep	V10710007	14	12			10	3/8"	300	13,0	176	206	239	400	440	75	48	470	Electropolished
ST20/10	V10710005	20	17			10	3/8"	300	16,0	176	206	239	460	500	75	48	530	Powder coated
ST20/10e	V10710012	20	17			10	3/8"	300	16,0	176	206	239	460	500	75	48	530	Stainless steel
ST20/10ep	V10710010	20	17			10	3/8"	300	16,0	176	206	239	460	500	75	48	530	Electropolished
ST30/10	V10710003	28				10	3/8"	300	18,0	226	256	304	460	500	125	106	530	Powder coated
ST30/10e	V1071000301	28				10	3/8"	300	18,0	226	256	304	460	500	125	106	530	Stainless steel
ST30/10ep	V1071000302	28				10	3/8"	300	18,0	226	256	304	460	500	125	106	530	Electropolished
ST40/10/2	V10710013	40	37			10	3/8"	300	22,0	276	306	339	460	500	182	152	530	Powder coated
ST40/10/2e	V10710014	40	37			10	3/8"	300	22,0	276	306	339	460	500	182	152	530	Stainless steel
ST40/10/2ep	V10710015	40	37			10	3/8"	300	22,0	276	306	339	460	500	182	152	530	Electropolished
ST60/10/3e	V10710028	57	50			10	3/8"	300	32,5	376	406	454	460	500	282	252	530	Stainless steel
ST60/10/3ep	On request	57	50			10	3/8"	300	32,5	376	406	454	460	500	282	252	530	Electropolished
<b>1/2" (DN12)</b>																		
ST14/12	V10710002-1		12	8		12	1/2"	200	13,0	176	206	239	400	440	75	48	470	Powder coated
ST14/12e	V1071001101		12	8		12	1/2"	200	13,0	176	206	239	400	440	75	48	470	Stainless steel
ST14/12ep	V1071001102		12	8		12	1/2"	200	13,0	176	206	239	400	440	75	48	470	Electropolished
ST20/12	V1071000501		17	13		12	1/2"	200	16,0	176	206	239	460	500	75	48	530	Powder coated
ST20/12e	V1071001201		17	13		12	1/2"	200	16,0	176	206	239	460	500	75	48	530	Stainless steel
ST20/12ep	V1071001202		17	13		12	1/2"	200	16,0	176	206	239	460	500	75	48	530	Electropolished
ST30/12	V10710004		25	22		12	1/2"	200	18,0	226	256	304	460	500	125	106	530	Powder coated
ST30/12e	V1071000401		25	22		12	1/2"	200	18,0	226	256	304	460	500	125	106	530	Stainless steel
ST30/12ep	V1071000402		25	22		12	1/2"	200	18,0	226	256	304	460	500	125	106	530	Electropolished
ST40/12/2	V1071001302		37			12	1/2"	200	22,0	276	306	339	460	500	182	152	530	Powder coated
ST40/12/2e	V1071001402		37			12	1/2"	200	22,0	276	306	339	460	500	182	152	530	Stainless steel
ST40/12/2ep	V1071001403		37			12	1/2"	200	22,0	276	306	339	460	500	182	152	530	Electropolished
<b>3/4" (DN19)</b>																		
ST20/19	V10710019			10	7	19	3/4"	200	17,0	176	206	254	460	500	75	48	530	Powder coated
ST20/19e	V10710020			10	7	19	3/4"	200	17,0	176	206	254	460	500	75	48	530	Stainless steel
ST20/19ep	V10710021			10	7	19	3/4"	200	17,0	176	206	254	460	500	75	48	530	Electropolished
ST40/19/1	V10710025			20	18	19	3/4"	200	19,0	276	306	354	460	500	182	152	530	Powder coated
ST40/19/1e	V10710026			20	18	19	3/4"	200	19,0	276	306	354	460	500	182	152	530	Stainless steel
ST40/19/1ep	V10710027			20	18	19	3/4"	200	19,0	276	306	354	460	500	182	152	530	Electropolished
ST40/19/2	V10710022			36	30	19	3/4"	200	25,0	376	406	454	460	500	282	252	530	Powder coated
ST40/19/2e	V10710023			36	30	19	3/4"	200	25,0	376	406	454	460	500	282	252	530	Stainless steel
ST40/19/2ep	V10710024			36	30	19	3/4"	200	25,0	376	406	454	460	500	282	252	530	Electropolished

\* You will find the connection threads of the angled swivels on page 44.



## Gross price list, automatic hose reel ST

With following equipment: 3/8" and 1/2" angled swivel made of aluminium, 3/4" made of brass,  
U-sit ring and hose stopper, WITHOUT hose (available on request)

Hose reel type 	Item number 			
<b>3/8" (DN10)</b>				
ST14/10	V10710002			
ST14/10e	V10710011			
ST14/10ep	V10710007			
ST20/10	V10710005			
ST20/10e	V10710012			
ST20/10ep	V10710010			
ST30/10	V10710003			
ST30/10e	V1071000301			
ST30/10ep	V1071000302			
ST40/10/2	V10710013			
ST40/10/2e	V10710014			
ST40/10/2ep	V10710015			
ST60/10/3e	V10710028			
ST60/10/3ep	On request			
<b>1/2" (DN12)</b>				
ST14/12	V10710002-1			
ST14/12e	V1071001101			
ST14/12ep	V1071000702			
ST20/12	V1071000501			
ST20/12e	V1071001201			
ST20/12ep	V1071001202			
ST30/12	V10710004			
ST30/12e	V1071000401			
ST30/12ep	V1071000402			
ST40/12/2	V1071001302			
ST40/12/2e	V1071001402			
ST40/12/2ep	V1071001403			
<b>3/4" (DN19)</b>				
ST20/19	V10710019			
ST20/19e	V10710020			
ST20/19ep	V10710021			
ST40/19/1	V10710025			
ST40/19/1e	V10710026			
ST40/19/1ep	V10710027			
ST40/19/2	V10710022			
ST40/19/2e	V10710023			
ST40/19/2ep	V10710024			

## Surcharges for special versions or accessories

The following surcharges have to be added to the table on page 6.

Description 	Item number 	
Tensioning the main spring for type ST14, ST20, ST40/19/1	B10700064	
Tensioning the main spring for type ST30, ST40/10/2, ST40/12/2 u. ST40/19/2	B10700064-1	
Tensioning the main spring for type ST60/10/3	B10700064-10	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
Surcharge for EPDM AP540 seals for Acetone, 3/8" and 1/2"	M1071001202	
Surcharge for stainless steel angled swivel, 3/8" and 1/2" = DN10 and DN12	MP10700035011	
Surcharge for stainless steel angled swivel, 3/4" = DN19	MP10700035012	
Surcharge for 400bar version (only for 3/8" ST) with 3/8" WDH10/304	MP1070003509	
Surcharge for 500bar version (only for 3/8" ST) with 1/4" WDH5/304	MP1070003505	
Locking angle for WDH10/12 + WDH19	V10710054	
We gladly supply hoses on request. You will find a selection among accessories on page 47.		

## ATEX automatic hose reel type ST Ex

These highly robust and reliable ATEX hose reels of the type ST EX are provided with an automatic spring rewind and can be used in every explosive area above ground, not applicable to underground mining.

The hose reels passed a conformity assessment procedure and will be supplied with an EU declaration of conformity. They correspond to the 2014/34/EU guideline, known as „ATEX 95“ or „ATEX 100“.

Important information about the ATEX area:

### Application areas:

1. Above ground but not in underground mining,  
Zone 1 + 2 (gas, mists, vapors), Zone 21 + 22 (dusts)
2. Chemical industries, dump areas, civil engineering, energy producer, waste management companies, gas suppliers, wood-processing industries, paint shops, agriculture, metal-working companies, forage producer, pharmaceutical industry, refineries and oil rigs.

### ATEX specifications:

The hose reels correspond to the device group II, category 2 + 3, G + D,  
temperature class: T6 for environmental and medium temperatures up to 85°C  
T5 for environmental and medium temperatures up to 100°C

### Technical data and dimensions:

The technical data and dimensions correspond to type ST except a few details, page 4+5.

### Materials:

Stainless steel AISI 304, Stainless steel electropolished and electrically conducted plastic.

### Assistance for machine selection:

The "assistance for machine selection" will guide the operator of a potentially explosive section through the procedure to select the most suitable device (page 8).



E10700114-5  
75 ltr./min, 24bar



# Assistance for machine selection hose reels

The assistance for machine selection will guide the operator of a potentially explosive section through the procedure to select the most suitable device in accordance with guideline 2014/34/EU (ATEX 137).

## 1. Basic zoning decisions and allocation of equipment groups:

- Group I : underground mining. We don't produce devices for group I, for this reason you won't find any further instructions.
- Group II : all other explosive areas.



## 2. Classification of explosive sections in different zones: Zone definition

### Zone G : gas, mists, vapors

- Zone 0 : section, in which an explosive atmosphere (as a compound of air, flammable gas, vapors or mists) is present for long term, constantly or temporarily.
- Zone 1 : section, in which, at normal operation, an explosive atmosphere (as a compound of air, flammable gas, vapors or mists) can develop occasionally.
- Zone 2 : section, in which, at normal operation, an explosive atmosphere (as a compound of air, flammable gas, vapors or mists) appears temporarily or never.

### Zone D : dust

- Zone 20 : section, in which an explosive atmosphere (in shape of a cloud consisting of flammable dust contained in the air) is present for long term, constantly or temporarily.
- Zone 21 : section, in which, at normal operation, an explosive atmosphere (in shape of a cloud consisting of flammable dust contained in the air) can develop occasionally.
- Zone 22 : section, in which, at normal operation, an explosive atmosphere (in shape of a cloud consisting of flammable dust contained in the air) appears temporarily or never.

## 3. Choice of the required product groups according to selected zone:

Zone G: gas, vapors, mists	Product group	Zone D: dust
0	category 1	20
1	category 2	21
2	category 3	22

Our hose reels correspond with product group II, as well as categories 2 + 3.

Thus they are applicable in zones 1 + 2, as well as zones 21 + 22. Furthermore, following temperature classes have to be considered.

## 4. Temperature classes



Temperature class	Ignition temperature array of the compounds	Tolerable surface temperatures of the devices
T1	>450°C	450°C
T2	> 300 – 450°C	300°C
T3	>200 – 300°C	200°C
T4	>135 – 200°C	135°C
T5	>100 – 135°C	100°C
T6	>85 – 100°C	85°C

The temperature class has to be determined depending on the ignition temperature of the mixture as well as the surface temperature of the apparatus. Due to the fact that the hose reel don't have an own source of temperature they are classified in category T6. The installation in hot surroundings as well as the passing through of media with more than 85 ° C disqualifies the apparatus accordingly.

## Gross price list, automatic hose reel ST Ex



With following equipment: Declaration of conformity according to guideline 2014/34/EU, angled swivel from stainless steel, U-sit ring and hose stopper, WITHOUT hose (available on request)



Hose reel type 	Item number 			
<b>3/8" (DN10)</b>				
ST14/10e/Ex	V10710074			
ST14/10ep/Ex	V10710075			
ST20/10e/Ex	V10710078			
ST20/10ep/Ex	V10710079			
ST30/10e/Ex	V10710099			
ST30/10ep/Ex	V10710100			
ST40/10/2e/Ex	V10710086			
ST40/10/2ep/Ex	V10710087			
ST60/10/3e/Ex	V10710094			
ST60/10/3ep/Ex	V10710095			
<b>1/2" (DN12)</b>				
ST14/12e/Ex	V10710076			
ST14/12ep/Ex	V10710077			
ST20/12e/Ex	V10710080			
ST20/12ep/Ex	V10710081			
ST30/12e/Ex	V10710101			
ST30/12ep/Ex	V10710102			
ST40/12/2e/Ex	V10710088			
ST40/12/2ep/Ex	V10710089			
<b>3/4" (DN19)</b>				
ST20/19e/Ex	V10710082			
ST20/19ep/Ex	V10710083			
ST40/19/1e/Ex	V10710090			
ST40/19/1ep/Ex	V10710091			
ST40/19/2e/Ex	V10710092			
ST40/19/2ep/Ex	V10710093			

## Surcharges for special versions or accessories

The following surcharges have to be added to the table above. For more see page 7.

Description 	Item number 	
Spray pistol for EX-area, black, 75l/min, 24bar, 60°C	E10700114-5	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
We gladly supply hoses on request. You will find a selection among accessories on page 47.		

# Closed automatic hose reel type PST

The hose reel PST is a very solid, closed hose reel with automatic spring rewind for dust areas.

The quick fastener permits an easy opening and closing of the housing for maintenance and cleaning the hose. You will save a lot of time.

The open version is particularly suitable for kitchens due to its round shape.

## Available materials:

- Steel, powder coated, RAL9007, RAL5002 (Application in dry areas).
- Stainless steel (Application in wet areas).

## Reel bearing:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt.

## Main spring:

High quality texture and spring band steel with maximum service life.

## Tension release:

The hose can be stopped at 8 positions per each rotation. A short pull of the hose releases the locking device.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle. The housing consists of a hard anodized aluminium die cast alloy. All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM. For a surcharge they are also available in Viton for chemistry.

## Hose guide window:

Depending on the pulling direction the hose guide window can be mounted in two positions, respectively the stand has to be fixed on another position. Standard delivery condition is position 1.

## Mounting possibilities:

You will find on page 3 various mounting possibilities of the hose reels with the according brackets. For mounting on panel walls counter plates, made of stainless steel, are available for all types of mounting. We recommend a wall swinging bracket if the hose is pulled intensively lateral.

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C. If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 7).



Angled swivel WDH10/Al











Quick-release fastener



Locking screw for the  
hose installation



Wall swivel bracket SKW  
see page 42

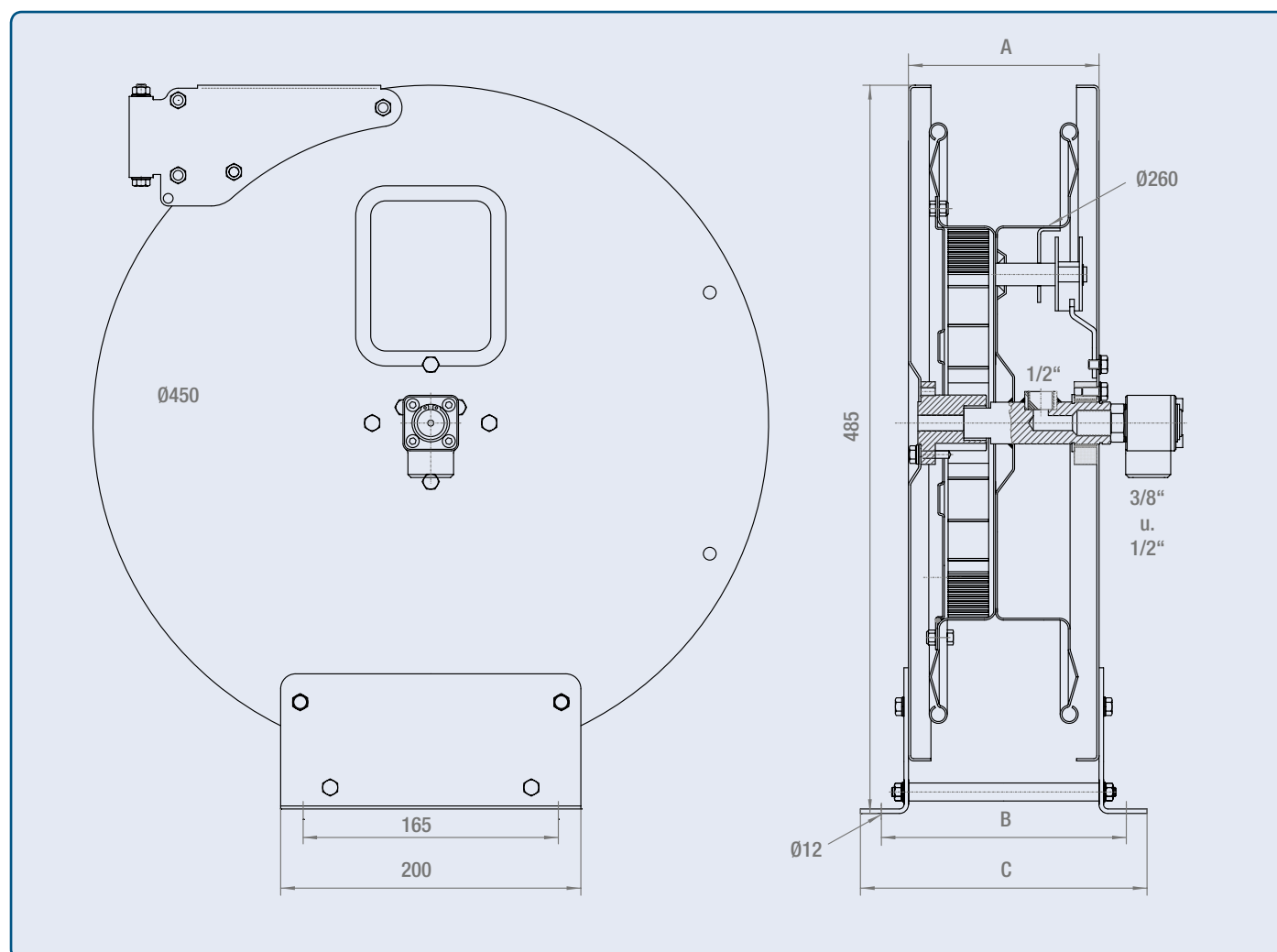
Type	Item number	Rewindable hose length in m depending of hose outer diameter-Ø [ mm ]		Nominal diameter/ thread* F		max. pressure	Weight	Dimensions in mm				Surface			
															
		Ø15	Ø20	mm	Inch	bar	kg	A	B	C	D				
<b>3/8" (DN10)</b>															
PST14/10	V1076000101	14	12	10	3/8"	300	14,0	127	162	154	58	Powder coated			
PST14/10e	V107600001	14	12	10	3/8"	300	14,0	127	162	154	58	Stainless steel			
PST20/10	V1076000201	20	17	10	3/8"	300	16,0	187	230	214	118	Powder coated			
PST20/10e	V107600002	20	17	10	3/8"	300	16,0	187	230	214	118	Stainless steel			
<b>1/2" (DN12)</b>															
PST14/12	V1076000101-1		12	12	1/2"	200	14,0	127	162	154	58	Powder coated			
PST14/12e	V10760001-2		12	12	1/2"	200	14,0	127	162	154	58	Stainless steel			
PST20/12	On request		17	12	1/2"	200	16,0	187	230	214	118	Powder coated			
PST20/12e	V10760002-2		17	12	1/2"	200	16,0	187	230	214	118	Stainless steel			

\* The connection thread inside the axle is always 1/2" female.

You will find the connections threads of the angled swivels on page 44.

## Dimensions

Hose reel PST - Mounting possibilities for the foot bracket.



# Automatic hose reel type STG

The automatic 1" hose reel type STG represents all our expert knowledge and is therefore an entirely developed technology. It was especially designed for high flow rates. The base frame is made of warp resistant profiles. The drum consists of two highly moulded discs and a closed hub.

## Available materials:

- Steel, powder coated, RAL7032, RAL3000 (Application in dry areas).
- Stainless steel (Application in wet areas).

## Reel bearing:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt.

## Main spring:

High quality texture and spring band steel with maximum service life.

## Tension release:

The hose can be stopped at 8 positions per each rotation. A short pull of the hose releases the locking device.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle. The housing consists of chemical nickel-plated brass. All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM. For a surcharge they are also available in Viton for chemistry.

## Hose guide window:

Depending on the pulling direction the hose guide window can be mounted in two positions. Standard delivery condition is position 1.

## Mounting possibilities:

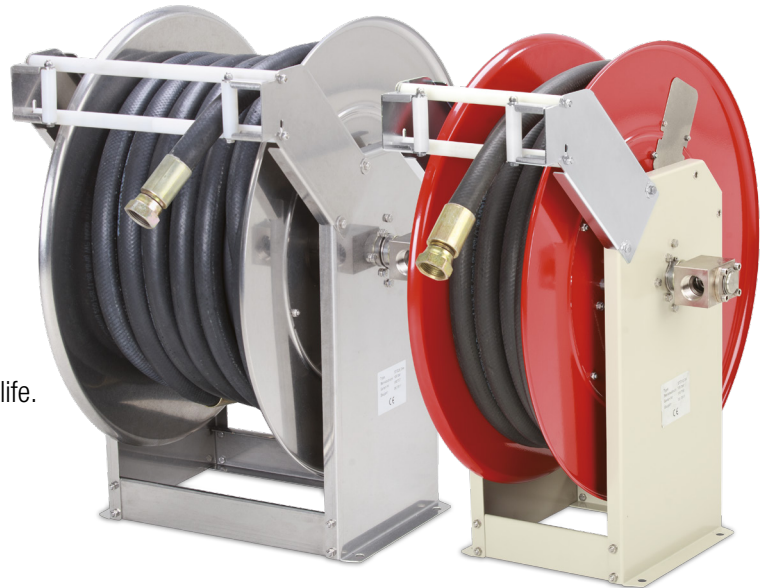
You will find on page 3 various mounting possibilities of the hose reels with the according brackets. For mounting on panel walls counter plates, made of stainless steel, are available for all types of mounting. We recommend a wall swinging bracket if the hose is pulled intensively lateral.

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C. If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 7).

## Accessories:

We are at your disposal to assist you for further accessories or assembling the appropriate hose and pistol (see page 46+47).



Angled swivel  
WDTH24/304



Pipe elbow 1"











Locking screw for the  
hose installation





Wall swivel bracket SKW  
see page 42



Type	Item number	Rewindable hose length in m depending of hose outer diameter-Ø [ mm ]	Nominal diameter/ thread* F		Max. pressure	Weight	Dimensions in mm				Surface			
														
		Ø35	mm	Inch	bar	kg	A	B	C	D				
<b>1" (DN24)</b>														
STG12/24	V10780001	12	25	1"	100	30,2	115	140	259	345	Powder coated			
STG 12/24e	V10780002	12	25	1"	100	30,2	115	140	259	345	Stainless steel			
STG28/24	V10780003	28	25	1"	100	37,6	245	270	389	475	Powder coated			
STG28/24e	V10780004	28	25	1"	100	37,6	245	270	389	475	Stainless steel			

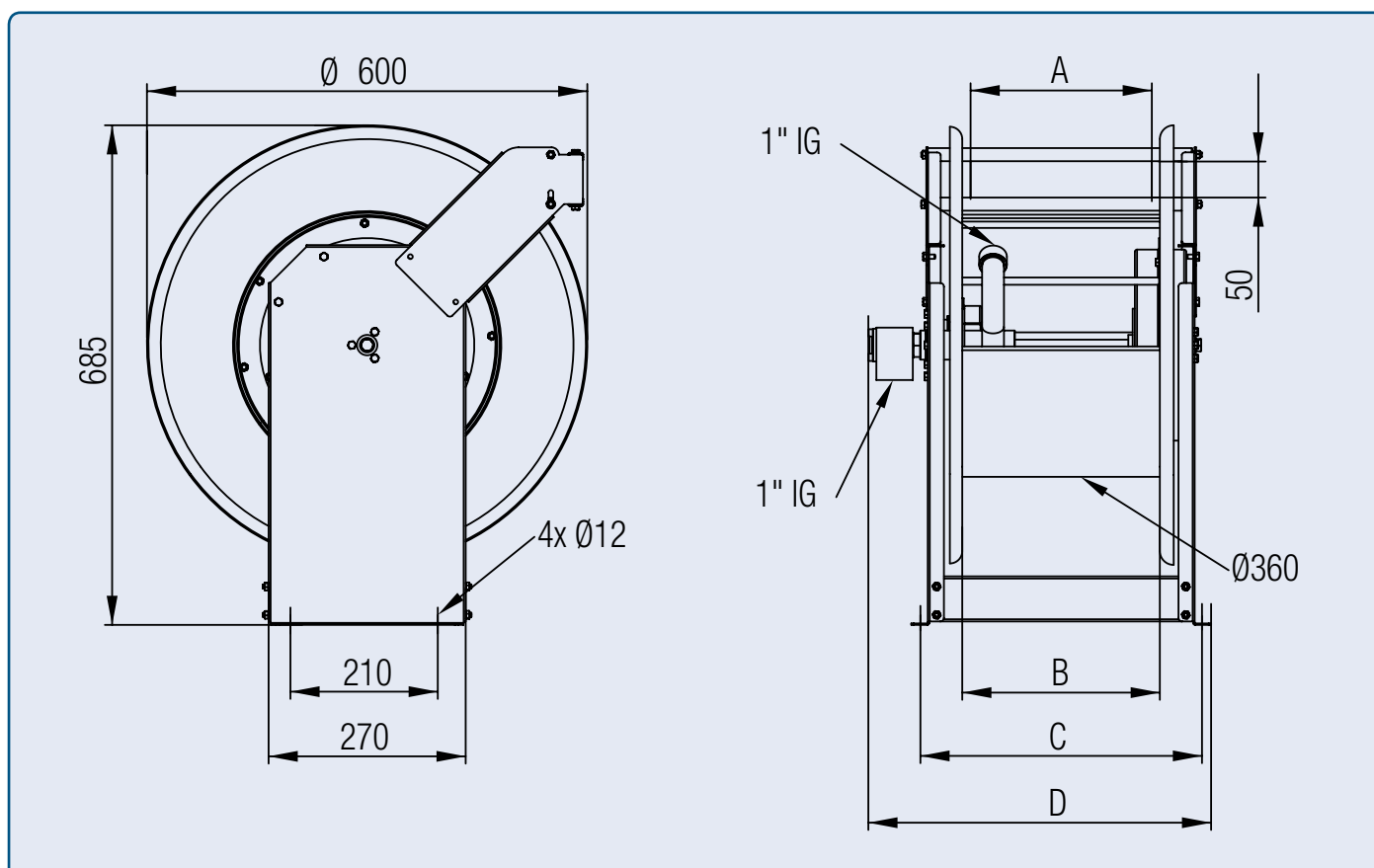
### Surcharges for special versions or accessories

The following surcharges have to be added to the table above.

Description 	Item number 	
Multipurpose branchpipe DM, DIN 14365	E10710329	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	

### Dimensions

Hose reel STG



# Manual hose reel type STK

The STK made from deep-drawn sheet steel of highest quality. It is powder coated with a steel axle.

The drum is moved through a rotary foldaway polyamide crank handle.

A steel bow prevents a hose rollover and enables the user to carry the reel.

## Available material:

■ Steel, powder coated, RAL7032, RAL3000 (Application in dry areas).

## Reel bearing:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt.

## Brake:

A mechanical brake integrated in the bearing permits a variable drum braking up to the entire blocking.

## Hose connection:

The hose is connected by a 90° angle at the reel.

## Crank handle:

The drum is moved through a rotary foldaway polyamide crank handle.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle.

The housing consists of a hard anodized aluminium die cast alloy.

All types can be supplied in stainless steel AISI 304 upon request.

The used seals are made of PTFE and EPDM.

For a surcharge they are also available in Viton for chemistry.

## Mounting possibilities:

The base can be mounted in two positions without brackets.

We do not recommend wall swivel brackets because the reel could deflect while rewinding the hose.

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C.

If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 15).

## Accessories:

We are at your disposal to assist you for further accessories or assembling the appropriate hose and pistol (see page 46+47).



Angled swivel WDTH10/Al










Fold-down handle



Brake handle





Hose connection

Type	Item number	Hose length in m depending of hose outer diameter-Ø [ mm ]		max. pressure	Weight	Dimensions in mm			Surface			
												
		Ø15	Ø20	bar	kg	D	G	H				
<b>3/8" (DN10)</b>												
STK14/10	V10720002	24		300	6,2	400	3/8"	437	Powder coated			
STK20/10	V10720005	36		300	7,2	460	3/8"	500	Powder coated			
<b>1/2" (DN12)</b>												
STK14/12	V107200021		12	200	6,2	400	1/2"	437	Powder coated			
STK20/12	V107200051		17	200	7,2	460	1/2"	500	Powder coated			

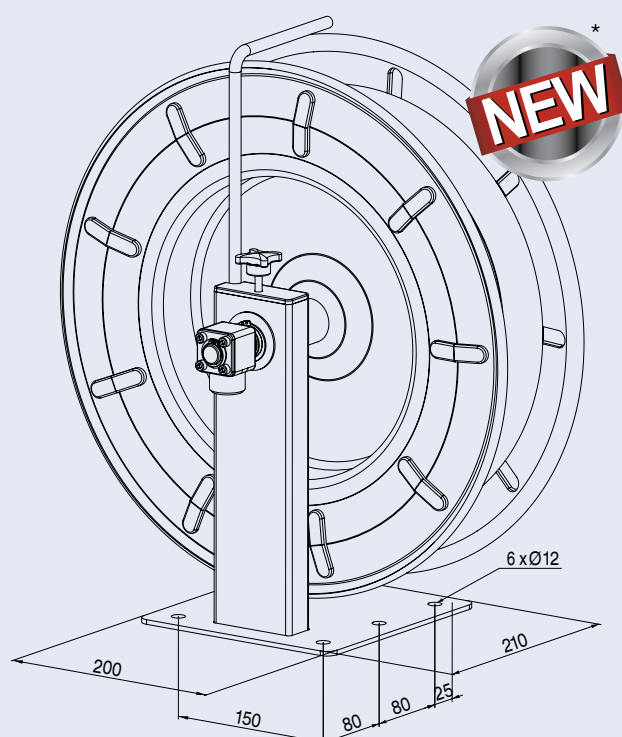
### Surcharges for special versions or accessories

The following surcharges have to be added to the table above.

Description 	Item number 	
Surcharge for 400bar version (only for 3/8" STK) with 3/8" WDH10/304	MP1070003507	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	

### Dimensions

Hose reel STK. This type has a new base plate (breakover point).



# Manual hose reel type STKi2

The manual hose reel type STKi2 with closed hub is suitable for all industrial and vehicle applications. While extending the drum hub and the cross braces the length of the hose could be enlarged. A removeable manual crank handle with a rotary polyamide roll is used to rewind the hose.

## Available materials:

- Stainless steel AISI 304 (Application in wet areas).
- Stainless steel AISI 316 (Application in aggressive areas).

## Reel bearing and brake:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt. A mechanical brake integrated in the bearing permits a fine setting of the drum braking through to a complete stop.

## Additional stop bolt:

On demand all variations can be equipped with an additional locking. The drum of each type can be stopped at 8 position per each rotation due to the spring-assisted stop bolt.

## Pipe elbow:

A connecting pipe that is welded with the axle guarantees an easy hose mounting, without bending the hose extremely.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle. The housing consists of a hard anodized aluminium die cast alloy (3/8" & 1/2") or chemical nickel-plated brass (3/4"). All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM. For a surcharge they are also available in Viton for chemistry.

## Mounting possibilities:

The hose reel can be mounted vertical, hanging or mounted on the wall. There is no need of special brackets. We do not recommend wall swivel brackets because the reel could deflect while rewinding the hose.

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C. If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 20).

## Accessories:

We are at your disposal to assist you for further accessories or assembling the appropriate hose and pistol (see page 46+47). For a surcharge there is a hose guide window and angular gearbox available.



Angled swivel WDTH12/Al



Pipe elbow



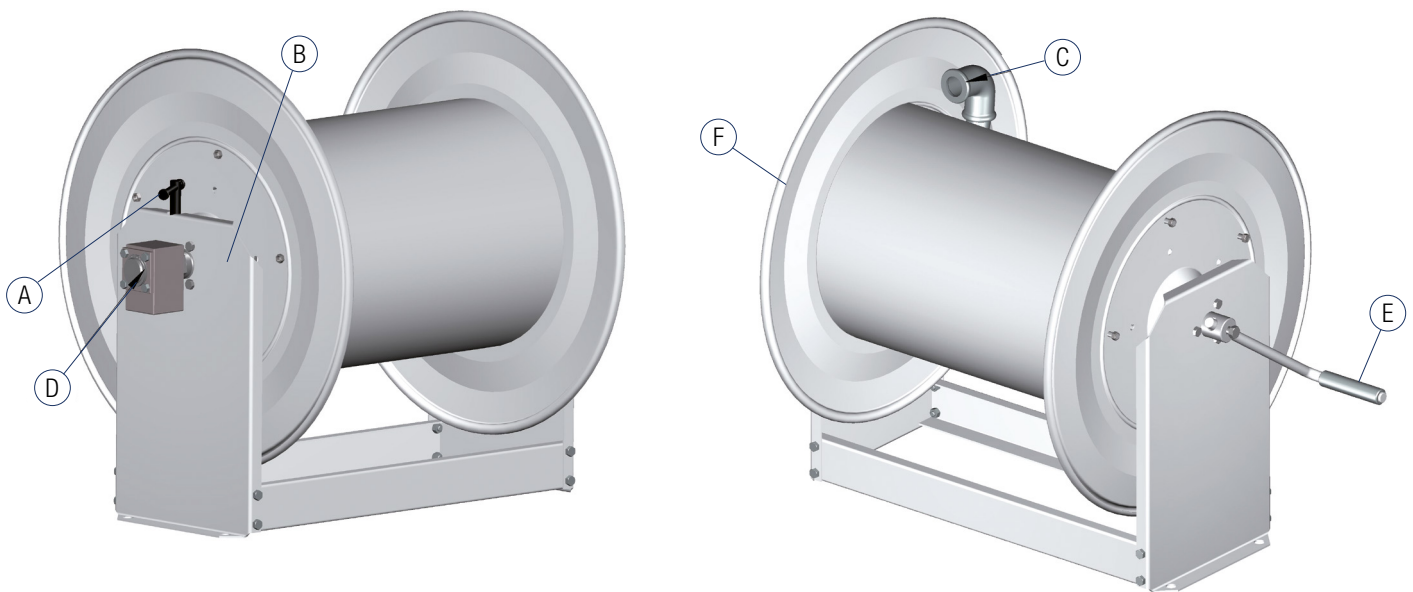
Hand crank with  
polyamide roll



Brake handle black  
or blue available

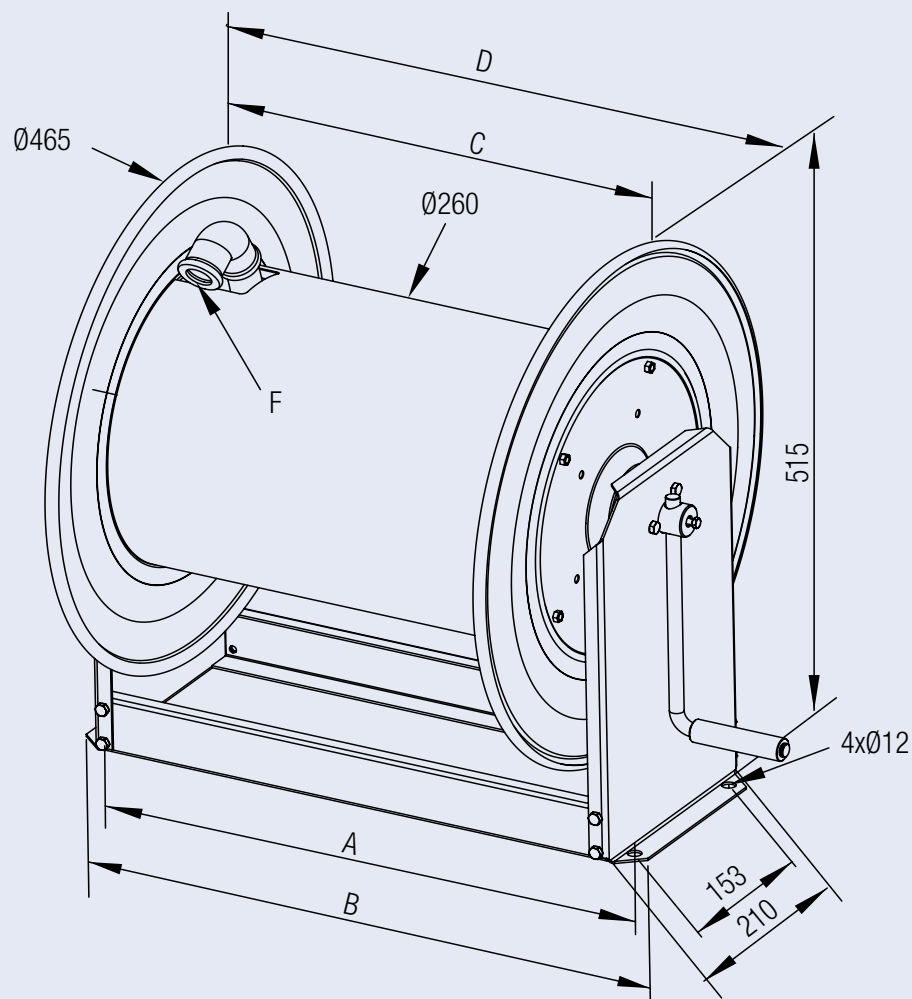
Description

A - Brake handle	B - Stop bolt (option)	C - Pipe elbow	D - Angled swivel	E - Crank handle	F - Drum
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Dimensions

Hose reel STKi2





Type	Item number	Rewindable hose length in meter depending of the hose outside diameter-Ø [ mm ]				Nominal diameter/ thread* F		Max. press.	Weight	Dimensions in mm				Surface	Material of the angled swivel*
															
		Ø17	Ø22	Ø28	Ø35	mm	Inch	bar	kg	A	B	C	D		
<b>1/2" (DN12)</b>															
STKi2 20/12-304	V10720010	60	35			12	1/2"	200	10,5	280	312	200	385	Stainless st. 304	Alu/304
STKi2 20/12-316	V10720010-1	60	35			12	1/2"	200	10,5	280	312	200	385	Stainless st. 316	316
 STKi2 30/12-V2A	on request	90	50			12	1/2"	200	10,5	380	412	300	485	Stainless st. 304	Alu/V304
STKi2 40/12-304	V10720012	125	70			12	1/2"	200	13,5	480	512	400	585	Stainless st. 304	Alu/304
STKi2 40/12-316	V10720012-1	125	70			12	1/2"	200	13,5	480	512	400	585	Stainless st. 316	316
STKi2 50/12-304	V10720018	150	85			12	1/2"	200	14,6	580	612	500	685	Stainless st. 304	Alu/304
STKi2 50/12-316	V10720018-1	150	85			12	1/2"	200	14,6	580	612	500	685	Stainless st. 316	316
STKi2 60/12-304	V10720021	185	100			12	1/2"	200	15,7	680	712	600	785	Stainless st. 304	Alu/304
STKi2 60/12-316	V10720021-1	185	100			12	1/2"	200	15,7	680	712	600	785	Stainless st. 316	316
STKi2 70/12-304**	V10720024	215	115			12	1/2"	200	16,8	780	812	700	885	Stainless st. 304	Alu/304
STKi2 80/12-304**	V10720027	250	130			12	1/2"	200	17,9	880	912	800	985	Stainless st. 304	Alu/304
<b>3/4" (DN19)</b>															
STKi2 20/19-304	V10720011			20		19	3/4"	200	11,7	280	312	200	414	Stainless st. 304	Br/304
STKi2 20/19-316	V10720011-1			20		19	3/4"	200	11,7	280	312	200	414	Stainless st. 316	316
STKi2 40/19-304	V10720013			40		19	3/4"	200	14,7	480	512	400	614	Stainless st. 304	Br/304
STKi2 40/19-316	V10720013-1			40		19	3/4"	200	14,7	480	512	400	614	Stainless st. 316	316
STKi2 50/19-304	V10720019			50		19	3/4"	200	15,8	580	612	500	714	Stainless st. 304	Br/304
STKi2 50/19-316	V10720019-1			50		19	3/4"	200	15,8	580	612	500	714	Stainless st. 316	316
STKi2 60/19-304**	V10720022			60		19	3/4"	200	16,9	680	712	600	814	Stainless st. 304	Br/304
STKi2 60/19-316**	V10720022-1			60		19	3/4"	200	16,9	680	712	600	814	Stainless st. 316	316
STKi2 70/19-304**	V10720025			70		19	3/4"	200	18,0	780	812	700	914	Stainless st. 304	Br/304
STKi2 80/19-304**	V10720028			80		19	3/4"	200	19,1	880	912	800	1014	Stainless st. 304	Br/304
<b>1" (DN24)</b>															
STKi2 20/24-304	V10720016				15	24	1"	100	12,0	280	312	200	414	Stainless st. 304	Br/304
STKi2 20/24-316	V10720016-1				15	24	1"	100	12,0	280	312	200	414	Stainless st. 316	316
STKi2 40/24-304	V10720017				33	24	1"	100	15,0	480	512	400	614	Stainless st. 304	Br/304
STKi2 40/24-316	V10720017-1				33	24	1"	100	15,0	480	512	400	614	Stainless st. 316	316
STKi2 50/24-304	V10720020				43	24	1"	100	16,1	580	612	500	714	Stainless st. 304	Br/304
STKi2 50/24-316	V10720020-1				43	24	1"	100	16,1	580	612	500	714	Stainless st. 316	316
STKi2 60/24-304**	V10720023				52	24	1"	100	17,2	680	712	600	814	Stainless st. 304	Br/304
STKi2 60/24-316**	V10720023-1				52	24	1"	100	17,2	680	712	600	814	Stainless st. 316	316
STKi2 70/24-304**	V10720026				61	24	1"	100	18,3	780	812	700	914	Stainless st. 304	Br/304
STKi2 80/24-304**	V10720029				70	24	1"	100	19,4	880	912	800	1014	Stainless st. 304	Br/304

\* You will find the connection threads of the angled swivels on page 44.

\*\* A 2mm hub is used due to the impact.

## Gross price list, manual hose reel STKi2

With following equipment: 1/2" angled swivel made of aluminium, 3/4" and 1" made of brass, U-sit ring, WITHOUT hose (available on request), angled swivel from AISI 316 if hose reel is also 316

Hose reel type 	Item number 			
<b>1/2" (DN12)</b>				
STKi2 20/12-304	V10720010			
STKi2 20/12-316	V10720010-1			
STKi2 30/12-V2A	on request			
STKi2 40/12-304	V10720012			
STKi2 40/12-316	V10720012-1			
STKi2 50/12-304	V10720018			
STKi2 50/12-316	V10720018-1			
STKi2 60/12-304	V10720021			
STKi2 60/12-316	V10720021-1			
STKi2 70/12-304	V10720024			
STKi2 80/12-304	V10720027			
<b>3/4" (DN19)</b>				
STKi2 20/19-304	V10720011			
STKi2 20/19-316	V10720011-1			
STKi2 40/19-304	V10720013			
STKi2 40/19-316	V10720013-1			
STKi2 50/19-304	V10720019			
STKi2 50/19-316	V10720019-1			
STKi2 60/19-304	V10720022			
STKi2 60/19-316	V10720022-1			
STKi2 70/19-304	V10720025			
STKi2 80/19-304	V10720028			
<b>1" (DN24)</b>				
STKi2 20/24-304	V10720016			
STKi2 20/24-316	V10720016-1			
STKi2 40/24-304	V10720017			
STKi2 40/24-316	V10720017-1			
STKi2 50/24-304	V10720020			
STKi2 50/24-316	V10720020-1			
STKi2 60/24-304	V10720023			
STKi2 60/24-316	V10720023-1			
STKi2 70/24-304	V10720026			
STKi2 80/24-304	V10720029			

**NEW**



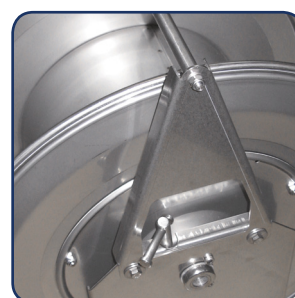
Hose guide window



Angular gear





Stop bolt M10720001



Carry handle B10720085

## Surcharges for special versions or accessories

The following surcharges have to be added to the basic version, see table on page 19

Description 	Item number 	
Surcharge for 300bar version (only for 1/2" STKi2) with 1/2" WDH12/304 + Pipe elbow	MP1070003506	
Surcharge for 400bar version (only for 1/2" STKi2) with 3/8" WDH10/304 + Pipe elbow	MP1070003509	
Surcharge for 500bar version (only for 1/2" STKi2) with 1/4" WDH5/304 + Pipe elbow	MP1070003510	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
Surcharge for EPDM AP540 seals for Acetone, 3/8" and 1/2"	M1071001202	
Surcharge for stainless steel angled swivel, 3/8" and 1/2" = DN10 and DN12	MP10700035011	
Surcharge for stainless steel angled swivel, 3/4" = DN19	MP10700035012	
Surcharge for stainless steel angled swivel, 1" = DN24	MP1070003606	
Extra locking with stop bolt, see page 17, detail B	M10720001	
Surcharge for Pipe elbow twisted for 180°	MP107200-180°	
We gladly supply hoses on request. You will find a selection among accessories on page 47.		

## ATEX manual hose reel type STKi2 Ex

Suitable for application in all potentially explosive areas above ground, except mining.

The hose reels passed a conformity assessment procedure and will be supplied with an EU declaration of conformity. They correspond to the 2014/34/EU guideline, known as „ATEX 95“ or „ATEX 100“.

Important information about the ATEX area:

### Application areas:

1. Above ground but not in underground mining,  
Zone 1 + 2 (gas, mists, vapors), Zone 21 + 22 (dusts)
2. Chemical industries, dump areas, civil engineering, energy producer, waste management companies, gas suppliers, wood-processing industries, paint shops, agriculture, metal-working companies, forage producer, pharmaceutical industry, refineries and oil rigs.

### ATEX specifications:

The hose reels correspond to the device group II, category 2 + 3, G + D,  
temperature class: T6 for environmental and medium temperatures up to 85°C  
T5 for environmental and medium temperatures up to 100°C

### Technical data and dimensions:

The technical data and dimensions correspond to type STKi2 except a few details, page 17+18.

### Materials:

Stainless steel AISI 304, stainless steel AISI 316 and electrically conducted plastic.

### Assistance for machine selection:

The "assistance for machine selection" will guide the operator of a potentially explosive section through the procedure to select the most suitable device (page 8).





E10700114-5  
75 ltr./min, 24bar

## Gross price list, manual hose reel STKi2 Ex



With following equipment: Declaration of conformity according to guideline 2014/34/EU, angled swivel from stainless steel, U-sit ring, WITHOUT hose (available on request)



Hose reel type 	Item number 			
<b>1/2" (DN12)</b>				
STKi2 20/12/Ex-304	V10720040			
STKi2 20/12/Ex-316	V10720040-1			
STKi2 40/12/Ex-304	V10720043			
STKi2 40/12/Ex-316	V10720043-1			
STKi2 50/12/Ex-304	V10720046			
STKi2 50/12/Ex-316	V10720046-1			
STKi2 60/12/Ex-304	V10720049			
STKi2 60/12/Ex-316	V10720049-1			
STKi2 70/12/Ex-304	V10720052			
STKi2 80/12/Ex-304	V10720055			
<b>3/4" (DN19)</b>				
STKi2 20/19/Ex-304	V10720041			
STKi2 20/19/Ex-316	V10720041-1			
STKi2 40/19/Ex-304	V10720044			
STKi2 40/19/Ex-316	V10720044-1			
STKi2 50/19/Ex-304	V10720047			
STKi2 50/19/Ex-316	V10720047-1			
STKi2 60/19/Ex-304	V10720050			
STKi2 60/19/Ex-316	V10720050-1			
STKi2 70/19/Ex-304	V10720053			
STKi2 80/19/Ex-304	V10720056			
<b>1" (DN25)</b>				
STKi2 20/24/Ex-304	V10720042			
STKi2 20/24/Ex-316	V10720042-1			
STKi2 40/24/Ex-304	V10720045			
STKi2 40/24/Ex-316	V10720045-1			
STKi2 50/24/Ex-304	V10720048			
STKi2 50/24/Ex-316	V10720048-1			
STKi2 60/24/Ex-304	V10720051			
STKi2 60/24/Ex-316	V10720051-1			
STKi2 70/24/Ex-304	V10720054			
STKi2 80/24/Ex-304	V10720057			

## Surcharges for special versions or accessories

The following surcharges have to be added to the table above. For more see page 20.

Description 	Item number 	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
Surcharge for EPDM AP540 seals for Acetone, 3/8" and 1/2"	M1071001202	
We gladly supply hoses on request.		

# Manual hose reel type STKi2 Mini

Type STKi2 Mini is a manual hose reel approved for mounting on high pressure cleaner.

The reel consists of 2 non-profiled side discs and an open reel hub, as well as a stable basic stand.

A removeable manual crank handle with a rotary polyamide roll is used to rewind the hose.

## Available material:

- Stainless steel AISI 304 (Application in wet areas).

## Reel bearing and brake:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt. A mechanical brake integrated in the bearing permits a fine setting of the drum braking through to a complete stop.

## Hose connection:

The hose is connected by a 90° angle at the reel.

## Additional stop bolt:

On demand all variations can be equipped with an additional locking.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle.

The housing consists of a hard anodized aluminium die cast alloy.

All types can be supplied in stainless steel AISI 304 upon request.

The used seals are made of PTFE and EPDM.

For a surcharge they are also available in Viton for chemistry.

## Mounting possibilities:

The hose reel can be mounted vertical, hanging or mounted on the wall. There is no need of special brackets.

We do not recommend wall swivel brackets because the reel could deflect while rewinding the hose.

Because of its compact design it is approved for mounting on a mobile high pressure cleaner.

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C.

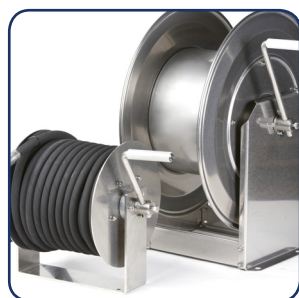
If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 23).

## Accessories:

We are at your disposal to assist you for further accessories or assembling the appropriate hose and pistol (see page 46+47).



Angled swivel WDTH12/Al



Proportions to STKi2



Hand crank with  
polyamide roll










Brake handle black  
or blue available





## Technical data

Hose reel STKi2 Mini incl. angled swivel WDT.../AI

Type	Item number	Hose length in m depending of hose outer diameter-Ø [ mm ]		max. pressure	Weight	Dimensions in mm			Surface			
												
		Ø15	Ø20	bar	kg	A	G	B				
<b>3/8" (DN10)</b>												
STKi2Mini 20/10	on request	20		300	5,0	210	3/8"	195	Stainless steel			
<b>1/2" (DN12)</b>												
STKi2Mini 20/12	on request		15	200	5,0	210	1/2"	195	Stainless steel			

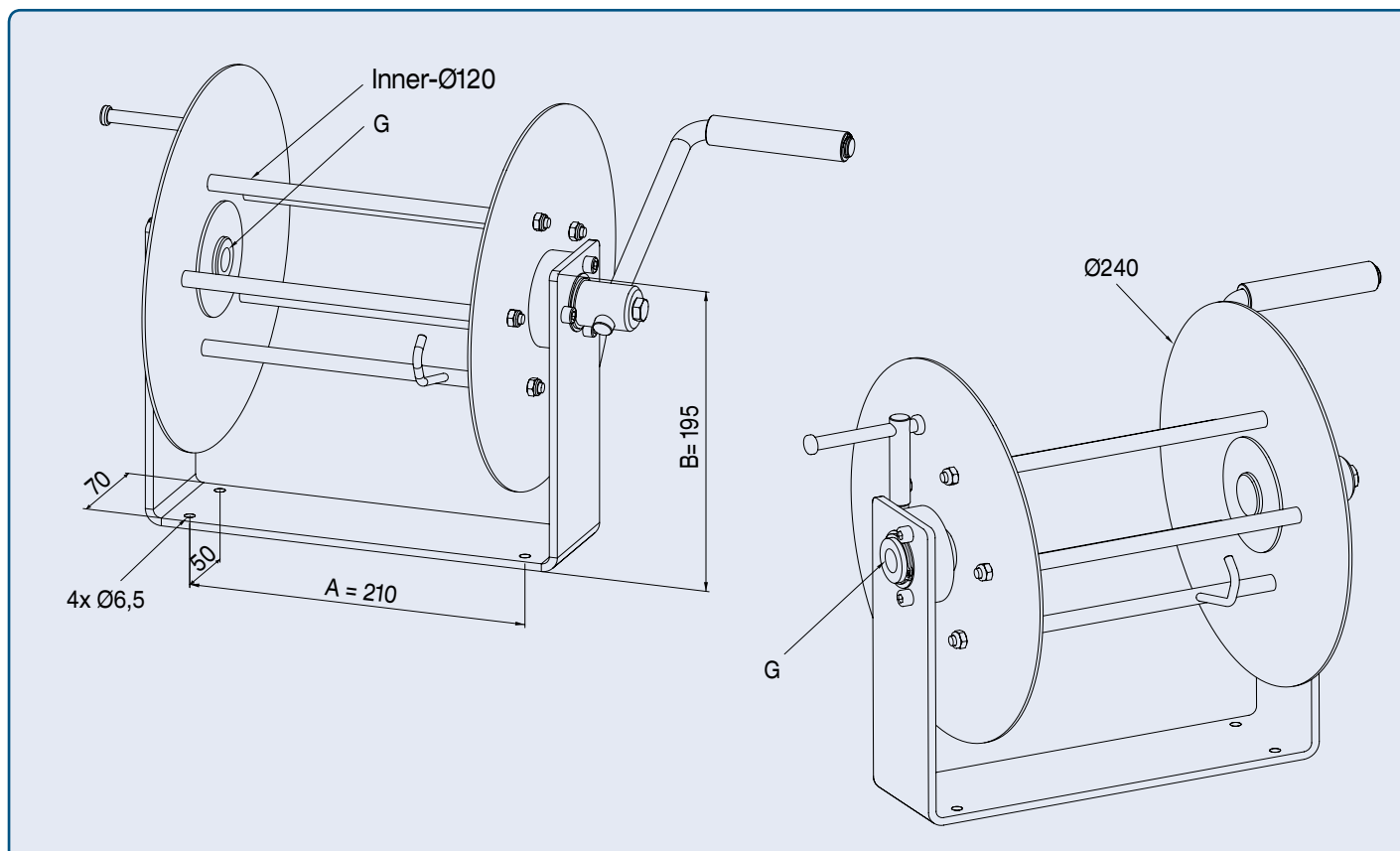
## Surcharges for special versions or accessories

The following surcharges have to be added to the table above.

Description	Item number	
		
Surcharge for 400bar version (only for 3/8" STKi2 Mini) with 3/8" WDT10/304	MP1070003507	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	

## Dimensions

Hose reel STKi2 Mini



# Motor-driven hose reel type STKi2Mo

The hose reel type STKi2Mo is a reliable and approved hose reel electromotive driven for three-phase, alternating current and direct current.

## Available materials:

- Stainless steel AISI 304 (Application in wet areas).

## Base frame:

The base frame is made from folded sheet steel profiles guaranteeing highest stability.

## Reel bearing:

Maintenance free, chemical resistant synthetic slide bearings, resistant to moisture and dirt.

## Pipe elbow:

A connecting pipe that is welded with the axle guarantees an easy hose mounting, without bending the hose extremely.

## Angled swivel:

The standard angled swivel is basically equipped with a stainless steel axle.

The housing consists of a hard anodized aluminium die cast alloy (3/8" & 1/2") or chemical nickel-plated brass (3/4").

All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM.

For a surcharge they are also available in Viton for chemistry.

## Drive technology and operation:

The driving is effected by a robust geared motor with a manual sliding coupling. Two buttons enable forward and backward operation of the drum. Unwinding the hose is executed either motor-driven or manually after decoupling. A radio remote control is available upon request, allowing a control of the motor from a distance up to 120m.

## Mounting possibilities:

The hose reel can be mounted vertical, hanging or mounted on the wall. There is no need of special brackets.

## Operating Voltage:

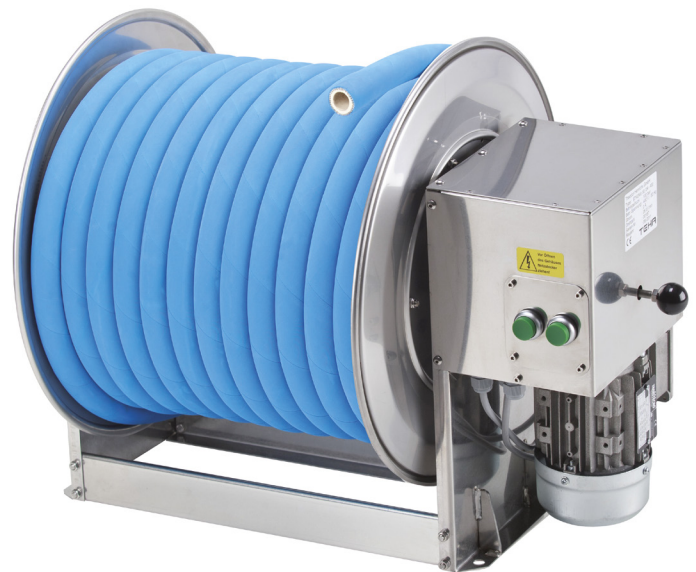
- Alternating current 230V / 50Hz, single phase
- Alternating current 400V / 50Hz, three-phase-current (If three-phase AC is available, we recommend using this motor type)
- Direct current 12V DC
- Direct current 24V DC

Protection class: IP53

## Application areas:

Water, water with detergents, air, oil and grease. The maximum permitted operating temperature is regularly 100°C.

If required, the hose reels can be modified to a temperature of 180°C for an extra charge (see page 27).



Angled swivel WDT12/Al



Remote control 24V



Decoupling

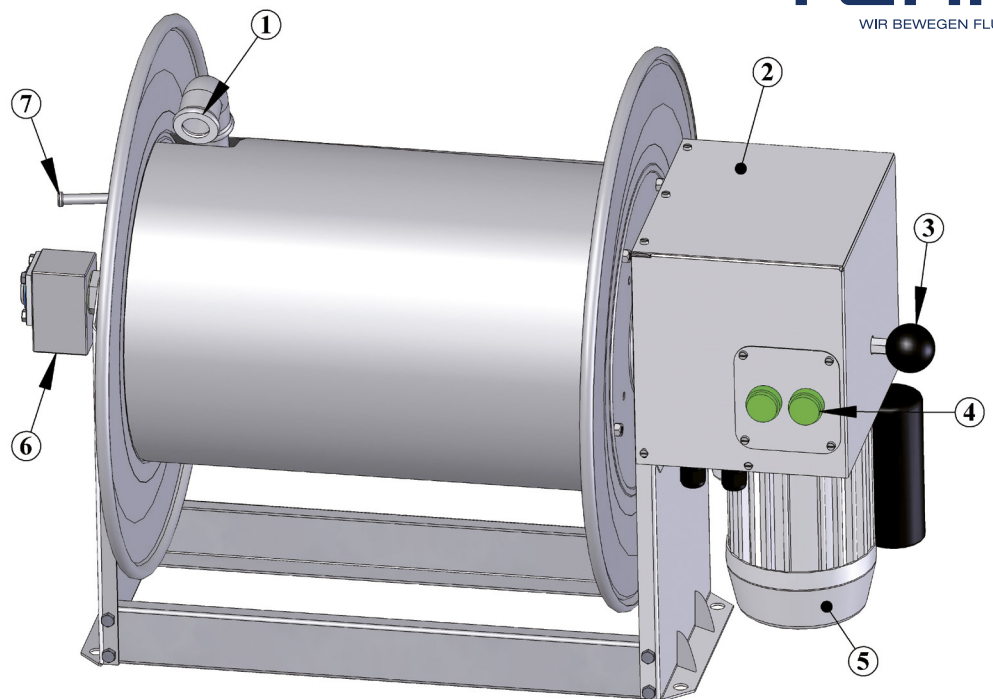


Winding and unwinding control panel

## Sectional view

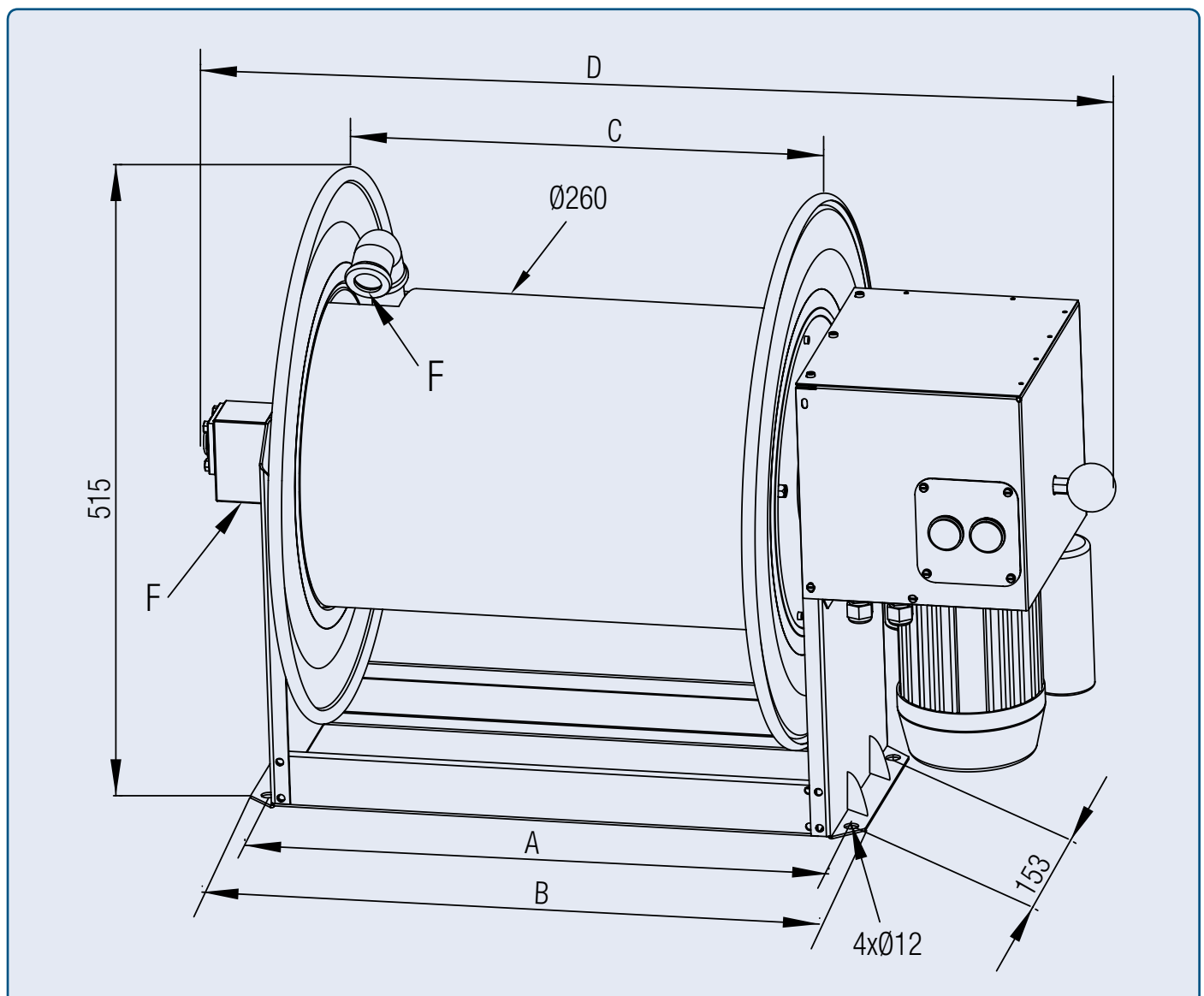
Hose reel STKi2Mo













P.	Description
1	Pipe elbow
2	Switchbox housing
3	Sliding coupling
4	Buttons, forward and backward operation
5	Geared motor
6	Angled swivel
7	Brake handle



## Dimensions






Hose reel STKi2Mo



Type	Item number	Rewindable hose length in meter depending of the hose outside diameter-Ø [ mm ]				Nominal diameter/ thread* F		Max. press.	Weight	Dimensions in mm				Surface	Material of the angled swivel*
															
		Ø17	Ø22	Ø28	Ø35	mm	Inch	bar	kg	A	B	C	D		
<b>1/2" (DN12)</b>															
STKi2Mo 20/12	V10720058	60	35			12	1/2"	200	20,9	280	312	200	530	Stainless steel 304	Alu/304
STKi2Mo 40/12	V10720061	125	70			12	1/2"	200	23,9	480	512	400	730	Stainless steel 304	Alu/304
STKi2Mo 50/12	V10720064	150	85			12	1/2"	200	25,0	580	612	500	830	Stainless steel 304	Alu/304
STKi2Mo 60/12	V10720067	185	100			12	1/2"	200	26,1	680	712	600	930	Stainless steel 304	Alu/304
STKi2Mo 70/12	V10720070	215	115			12	1/2"	200	27,2	780	812	700	1030	Stainless steel 304	Alu/304
STKi2Mo 80/12	V10720073	250	130			12	1/2"	200	28,3	880	912	800	1130	Stainless steel 304	Alu/304
<b>3/4" (DN19)</b>															
STKi2Mo 20/19	V10720059			20		19	3/4"	200	22,1	280	312	200	540	Stainless steel 304	Br/304
STKi2Mo 40/19	V10720062			40		19	3/4"	200	25,1	480	512	400	740	Stainless steel 304	Br/304
STKi2Mo 50/19	V10720065			50		19	3/4"	200	26,2	580	612	500	840	Stainless steel 304	Br/304
STKi2Mo 60/19	V10720068			60		19	3/4"	200	27,3	680	712	600	940	Stainless steel 304	Br/304
STKi2Mo 70/19	V10720071			70		19	3/4"	200	28,4	780	812	700	1040	Stainless steel 304	Br/304
STKi2Mo 80/19	V10720073			80		19	3/4"	200	29,5	880	912	800	1140	Stainless steel 304	Br/304
<b>1" (DN25)</b>															
STKi2Mo 20/24	V10720060				15	24	1"	100	22,4	280	312	200	550	Stainless steel 304	Br/304
STKi2Mo 40/24	V10720063				33	24	1"	100	25,4	480	512	400	750	Stainless steel 304	Br/304
STKi2Mo 50/24	V10720066				43	24	1"	100	26,5	580	612	500	850	Stainless steel 304	Br/304
STKi2Mo 60/24	V10720069				52	24	1"	100	27,6	680	712	600	950	Stainless steel 304	Br/304
STKi2Mo 70/24	V10720072				61	24	1"	100	28,7	780	812	700	1050	Stainless steel 304	Br/304
STKi2Mo 80/24	V10720075				70	24	1"	100	29,8	880	912	800	1150	Stainless steel 304	Br/304

\* You will find the connection threads of the angled swivels on page 44.

#### Data of motor and gear box




Description	230V/50Hz AC	400V/50Hz AC	12V DC	24V DC
				
Current	1,9 A	0,75 A	30 A	15 A
Motor power	220 Watt	250 Watt	250 Watt	250 Watt
Motor speed	1330 rpm	1350 rpm	3000 rpm	3000 rpm
Gear	i:60	i:60	i:80	i:80
Drum rotations	22,1 rpm	22,5 rpm	37,5 rpm	37,5 rpm
Protection class	IP55	IP55	IP44	IP44
Weight	7,5 kg	6,6 kg	5,7 kg	5,7 kg
Item number	E10710237-4	E10720116-4	E10710238	E10720129

#### Alternative motors:

Alternatively we offer different motors for hydraulic or pneumatic on request.



## Gross price list, motor driven hose reel STKi2Mo

With following equipment: 1/2" angled swivel made of aluminium, 3/4" and 1" made of brass, U-sit ring, WITHOUT hose (available on request).

Hose reel type 	230V/50Hz 	400V/50Hz 			
<b>1/2" (DN12)</b>					
STKi2Mo 20/12	V10720058	V10720058-1			
STKi2Mo 40/12	V10720061	V10720061-1			
STKi2Mo 50/12	V10720064	V10720064-1			
STKi2Mo 60/12	V10720067	V10720067-1			
STKi2Mo 70/12	V10720070	V10720070-1			
STKi2Mo 80/12	V10720073	V10720073-1			
<b>3/4" (DN19)</b>					
STKi2Mo 20/19	V10720059	V10720059-1			
STKi2Mo 40/19	V10720062	V10720062-1			
STKi2Mo 50/19	V10720065	V10720065-1			
STKi2Mo 60/19	V10720068	V10720068-1			
STKi2Mo 70/19	V10720071	V10720071-1			
STKi2Mo 80/19	V10720073	V10720073-1			
<b>1" (DN25)</b>					
STKi2 20/24	V10720060	V10720060-1			
STKi2 40/24	V10720063	V10720063-1			
STKi2 50/24	V10720066	V10720066-1			
STKi2 60/24	V10720069	V10720069-1			
STKi2 70/24	V10720072	V10720072-1			
STKi2 80/24	V10720075	V10720075-1			

## Surcharges for special versions or accessories

The following surcharges have to be added to the table above.

Description 	Item number 	
Surcharge for 12V direct current motor (0,25KW)	M10710238-1	
Surcharge for 24V direct current motor (0,25KW)	M10720129-1	
Radio remote control sender and receiver (for 230V and 400V)	M10720117	
Radio remote control sender and receiver (for 12V and 24V)	M10720117-1224	
Surcharge for 300bar version (only for 1/2" STKi2) with 1/2" WDH12/304 + Pipe elbow	MP1070003506	
Surcharge for 400bar version (only for 1/2" STKi2) with 3/8" WDH10/304 + Pipe elbow	MP1070003509	
Surcharge for 500bar version (only for 1/2" STKi2) with 1/4" WDH5/304 + Pipe elbow	MP1070003510	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
Surcharge for EPDM AP540 seals for Acetone, 3/8" and 1/2"	M1071001202	
Surcharge for stainless steel angled swivel, 3/8" and 1/2" = DN10 and DN12	MP10700035011	
Surcharge for stainless steel angled swivel, 3/4" = DN19	MP10700035012	
Surcharge for stainless steel angled swivel, 1" = DN24	MP1070003606	
We gladly supply hoses on request. You will find a selection among accessories on page 47.		



# Hose trolley type SW1 + SW2

**TEHA**

Easy to handle and approved for the capacity of hose reel STKi2 20 and STKi2 40 as well as for usage of an adapter plate of hose reel STKi2 50 and STKi20 60.

## Available materials:

- SW1 - Stainless steel AISI 304, especially in hygienic areas, abattoirs, meat factories, dairies, breweries, fast food industry
- SW2 - Stainless steel, AISI 316, in special aggressive areas: saltwater areas (ports, ships, drilling rigs etc.) In chlorinated areas, swimming pools, drinking water treatment plants, chemical industry.

## Scope of delivery:

In addition to the hose trolley you can order the appropriate hose reel, see table on page 27, as well as a tray. Basically it is including the reinforcing brace at the bottom.

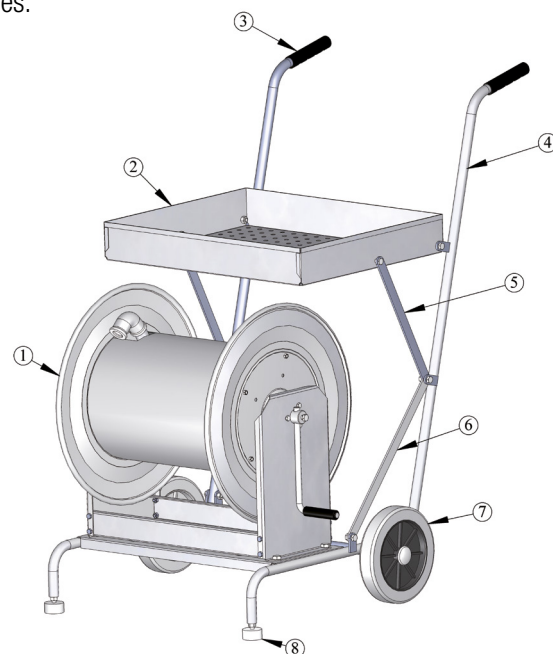
## Characteristics:

- Reliable steel pipe frame, folding rails guarantee easy transportation
- Solid rubber wheels with grey, abrasion-proof tyres, which do not leave any black marks.
- The same applies for the front rubber buffer.
- The hose trolley can be equipped with an optionally tray to hold accessories. The bottom of the tray is perforated, wet equipment can drip off easily.

## Sectional view

Hose reel STKi2Mo

P.	Description
1	Hose reel STKi2 20 + 40
2	Tray ( optionally )
3	Handle
4	Folding rail
5	Brace 1
6	Brace 2
7	Solid rubber wheels
8	Solid front rubber buffer



## ATEX version:

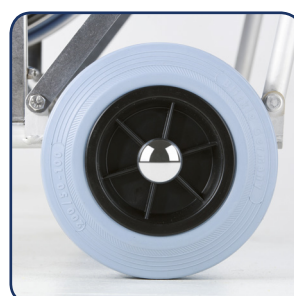
On request we can supply you electrically conductive wheels thus the appropriate hose reel. Please contact us for further information or an offer. (e.g. E10770020-1).



Angled swivel WDH10/Al



Deposit tray optional



Full-rubber wheels



Standard with STKi2 40/12

## Technical data

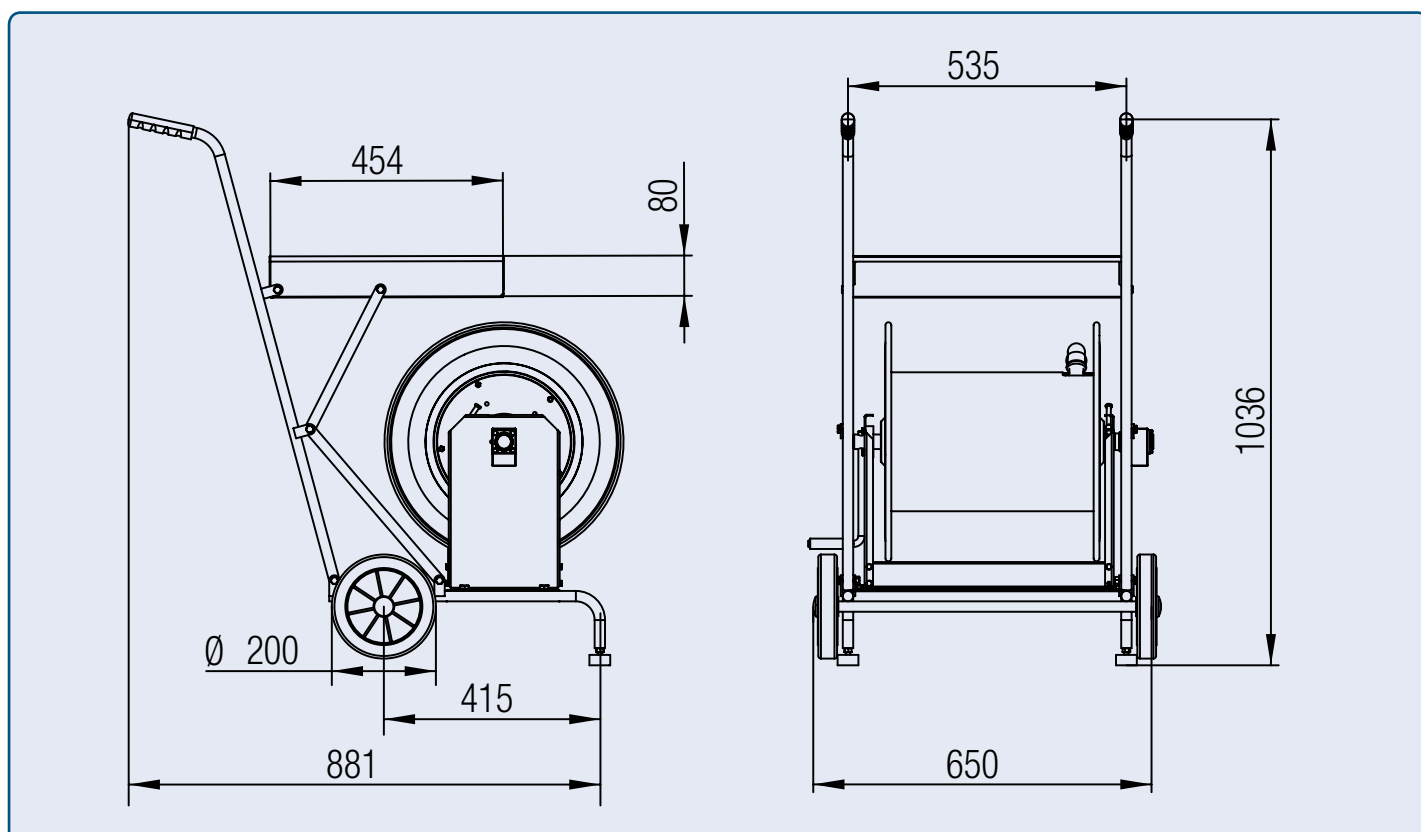
Suitable hose reel STKi2

Type	Item number	Rewindable hose length in meter depending of the hose outside diameter-Ø [ mm ]				Nominal diameter/ thread* F		Max. press.	Weight	Dimensions in mm				Surface	Material of the angled swivel*
		Ø17	Ø22	Ø28	Ø35	mm	Inch	bar	kg	A	B	C	D		
<b>1/2" (DN12)</b>															
STKi2 20/12-304	V10720010	60	35			12	1/2"	200	10,5	280	312	200	385	Stainless steel 304	Alu/304
STKi2 20/12-316	V10720010-1	60	35			12	1/2"	200	10,5	280	312	200	385	Stainless steel 316	316
STKi2 40/12-304	V10720012	125	70			12	1/2"	200	13,5	480	512	400	585	Stainless steel 304	Alu/304
STKi2 40/12-316	V10720012-1	125	70			12	1/2"	200	13,5	480	512	400	585	Stainless steel 316	316
<b>3/4" (DN19)</b>															
STKi2 20/19-304	V1072011			20		19	3/4"	200	11,7	280	312	200	414	Stainless steel 304	Brass/304
STKi2 20/19-316	V1072011-1			20		19	3/4"	200	11,7	280	312	200	414	Stainless steel 316	316
STKi2 40/19-304	V10720013			40		19	3/4"	200	14,7	480	512	400	614	Stainless steel 304	Brass/304
STKi2 40/19-316	V10720013-1			40		19	3/4"	200	14,7	480	512	400	614	Stainless steel 316	316
<b>1" (DN25)</b>															
STKi2 20/24-304	V10720016				15	24	1"	100	12,0	280	312	200	414	Stainless steel 304	Brass/304
STKi2 20/24-316	V10720016-1				15	24	1"	100	12,0	280	312	200	414	Stainless steel 316	316
STKi2 40/24-304	V10720017				33	24	1"	100	15,0	480	512	400	614	Stainless steel 304	Brass/304
STKi2 40/24-316	V10720017-1				33	24	1"	100	15,0	480	512	400	614	Stainless steel 316	316

\* You will find the connection threads of the angled swivels on page 44.

## Dimensions

Hose trolley SW1





## Gross price list, hose trolley SW

Following equipment: without hose reel, including reinforcing braces

Description type 	Item number 	Weight [kg] 			
<b>Material 304 (AISI 304)</b>					
Hose trolley SW1	V10770001	13,0			
Adapter plate AW1	V10770002	3,0			
<b>Material 316 (AISI 316)</b>					
Hose trolley SW2	V10770001-1	13,0			
Adapter plate AW2	V10770002-1	3,0			



## Gross price list, manual hose reel STKi2

With following equipment: 1/2" angled swivel made of aluminium, 3/4" and 1" made of brass, U-sit ring,  
WITHOUT hose (available on request), angled swivel from AISI 316 if hose reel is also 316

Hose reel type 	Item number 			
<b>1/2" (DN12)</b>				
STKi2 20/12-304	V10720010			
STKi2 20/12-316	V10720010-1			
STKi2 40/12-304	V10720012			
STKi2 40/12-316	V10720012-1			
<b>3/4" (DN19)</b>				
STKi2 20/19-304	V10720011			
STKi2 20/19-316	V10720011-1			
STKi2 40/19-304	V10720013			
STKi2 40/19-316	V10720013-1			
<b>1" (DN25)</b>				
STKi2 20/24-304	V10720016			
STKi2 20/24-316	V10720016-1			
STKi2 40/24-304	V10720017			
STKi2 40/24-316	V10720017-1			
Additional hose reels with adapter plates are possible. See next table.				

## Surcharges for special versions or accessories

The following surcharges have to be added to the table above.

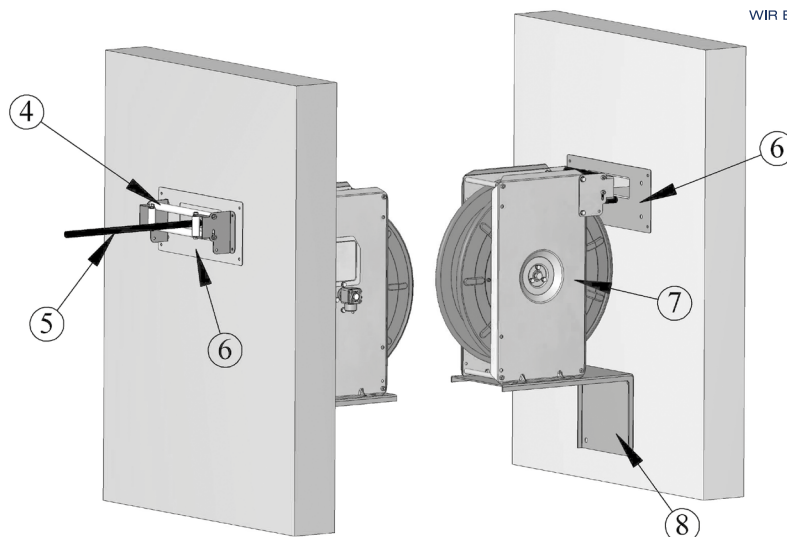
Description 	Item number 	
Adapter plate SW1 - STKi2 50, stainless steel AISI 304, 2 x 612 x 215 mm	B10770008	
Adapter plate SW1 - STKi2 60, stainless steel AISI 304, 2 x 712 x 215 mm	B10770007	
Surcharge for 300bar version (only for 1/2" STKi2) with 1/2" WDH12/304 + Pipe elbow	MP1070003506	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/8" and 1/2"	M1071001201	
Surcharge for high temperature seals 1-180°C as well as chemistry, 3/4" and 1"	M10710012	
Surcharge for stainless steel angled swivel, 3/8" and 1/2" = DN10 and DN12	MP10700035011	
Surcharge for stainless steel angled swivel, 3/4" = DN19	MP10700035012	
Surcharge for stainless steel angled swivel, 1" = DN24	MP1070003606	

# Wall duct window

## Sectional view

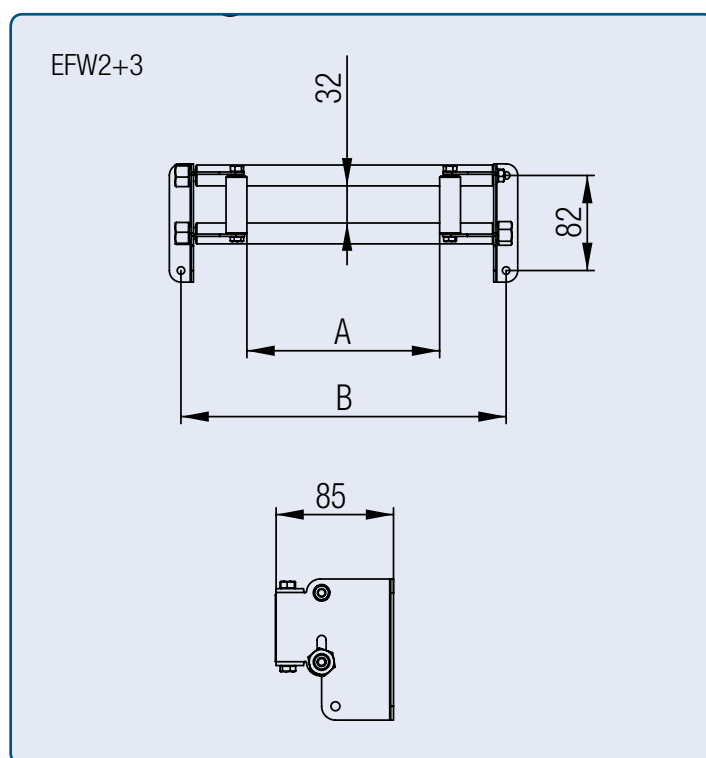
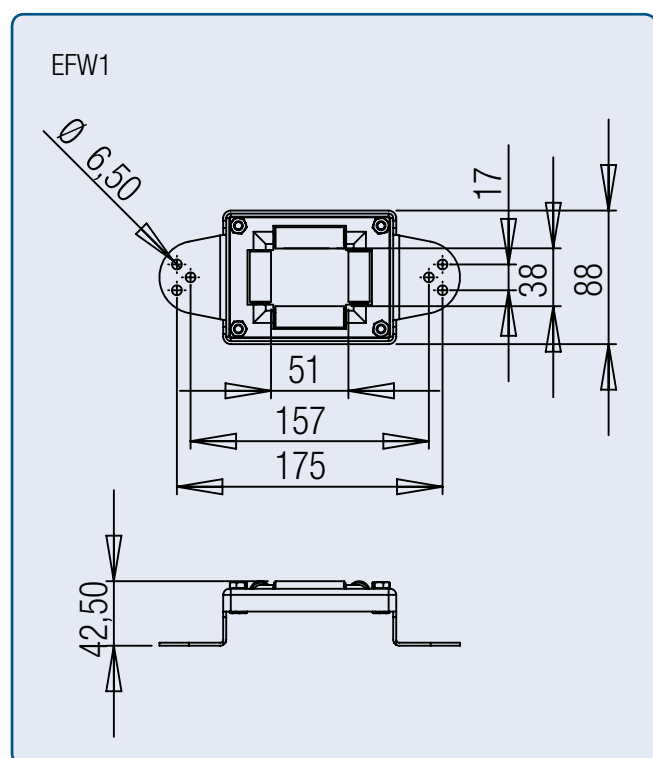
Approved for handling of hoses from inside to outside. A wall cover is available for serious wall breakthroughs.

P.	Description
4	Hose duct window EFW
5	Hose
6	Wall cover WB
7	Hose reel ST
8	Angled bracket KHDr (p. 43)

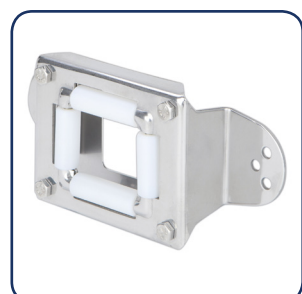


## Dimensions

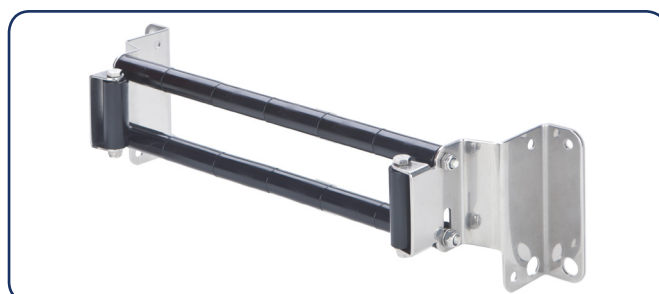
Hose duct window



Type	EFW item no.		A [mm]	B [mm]	Suitable for	Wall cover item no.	
EFW1	B10700058		See drawing		ST14, ST20	V10710041	
EFW2	B10700058-2		158	288	ST30, ST40/19/1	V10710041-1	
EFW3	B10700058-3		258	388	ST40/19/2	V10710041-2	



Wall duct window EFW1



Wall duct window EFW3



Wall cover WB2e

# Universal hose guide

Stabile sheet steel construction, approved for longer hoses to walls and around outside corners.

This version is available with security lock on request.




## Available materials:

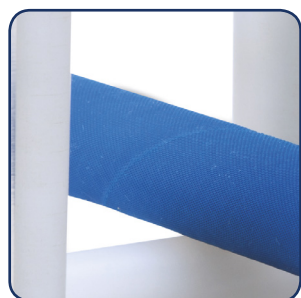
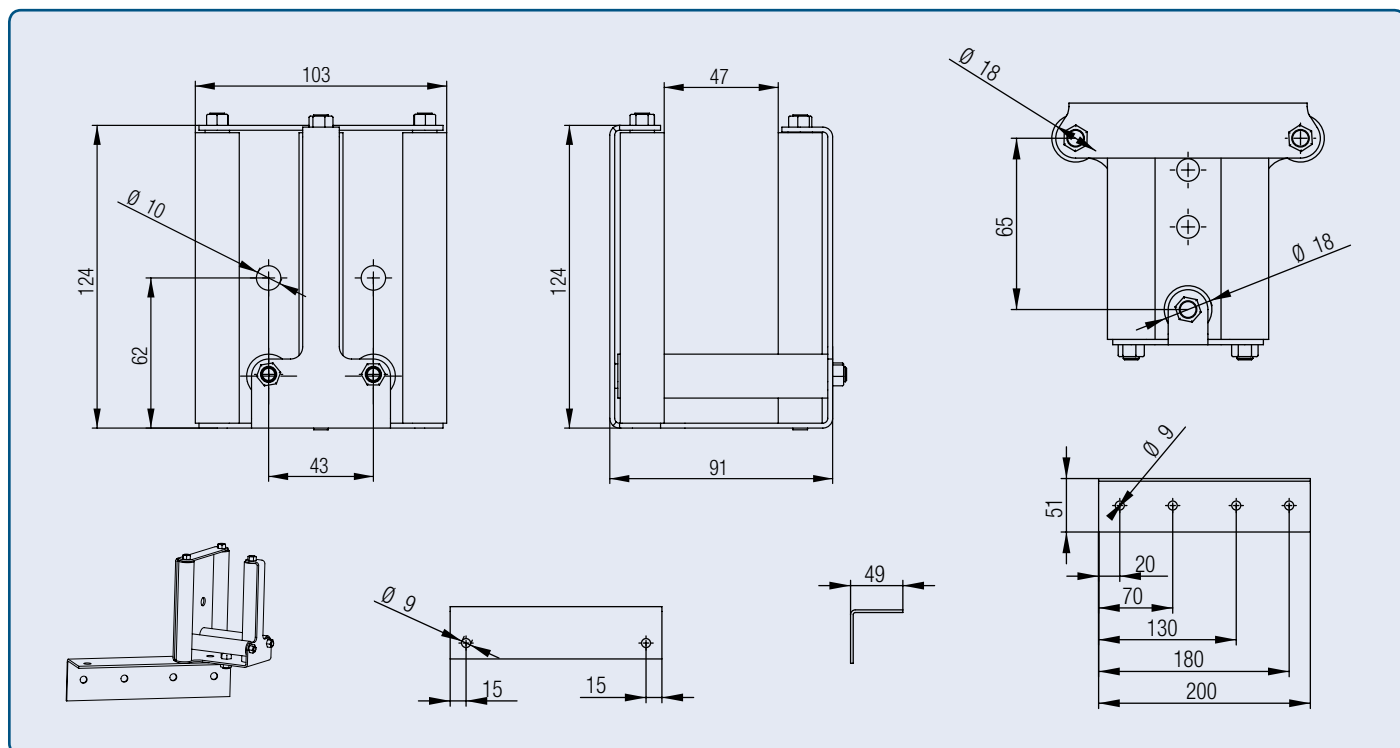
- Stainless steel (Application in wet areas).

## Advantages:

- Guarantees clean hoses
- No more risk of tripping
- High durability of the hoses

## Gross price list and technical data :

Type	Weight	Item number	
			
Universal hose guide, complete	1,1 kg	V10710056	
Universal hose guide, without bracket	0,6 kg	B10770002-1	
Bracket for corner installation	0,5 kg	B10770001	



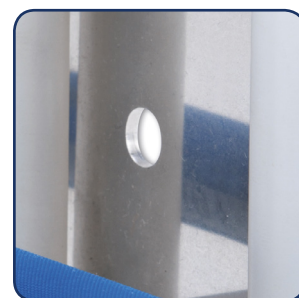
Polyamide rolls



Security lock on request



Mounted onto wall



Mounting without bracket



# Universal hose holder

This hose holder tidies up your hose reels economically. It works hose-protecting, reduces risks of accidents and looks neat. The solid, spacious and corrosion resistant stainless steel construction allows large hose quantities.

## Available materials:

- Stainless steel (Application in wet areas).

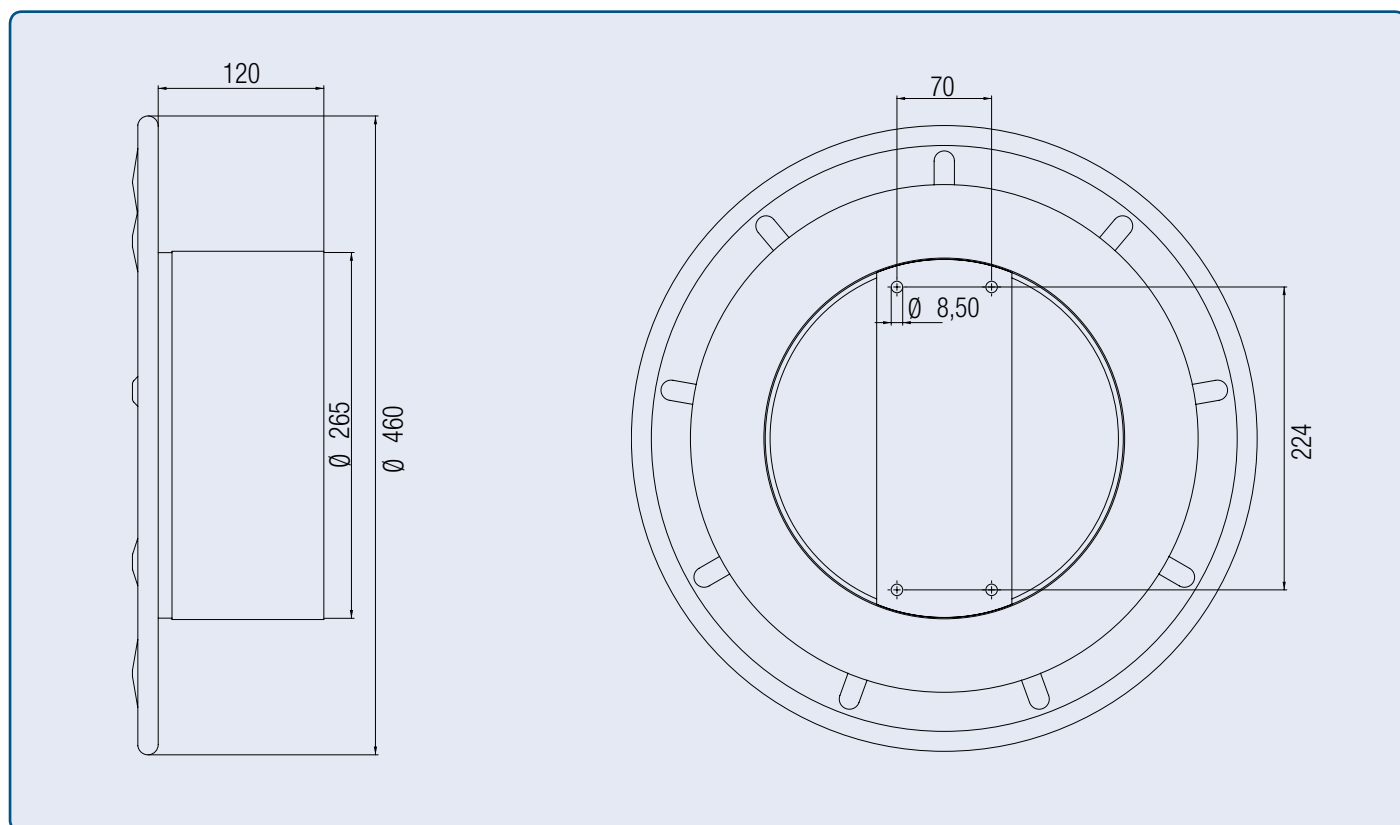
## Application areas:

Where ever hoses are used. Every stable wall, a tight pillar is approved for mounting.



## Gross price list and technical data :

Type	Weight	Item number		
				
Universal hose holder	2,5 kg	V10710057		



Stable version



Old version

Since 2016 there is a new version where the holes for the installation are in the middle of the drum. See picture above.

# Wall boom type SA

This modular system fulfills all your requirements. Arm length from 2-5m.

Our wall booms are made from reliable sheet steel profiles, which are galvanized. Therefore they are extremely corrosion resistant and a high durability is guaranteed, especially in wet areas. Using a 2m extension the length of the arms can be adapted on choice.

## Application areas:

Cleaning of trucks, construction machines and mobile constructions.

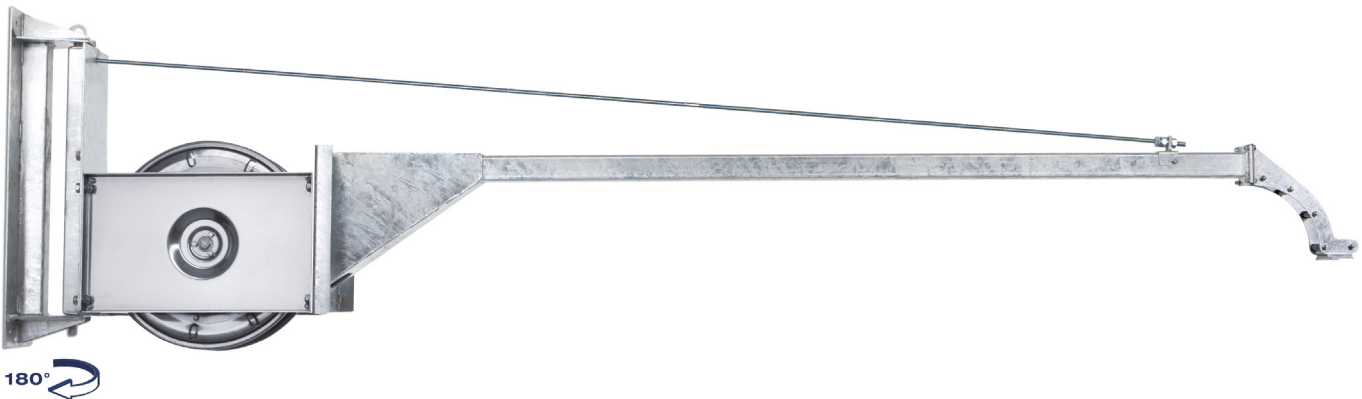
### Type SA

Basic model



### Type SAST

The integrated stainless steel hose reel provides another 14m 3/8" (hose outside diameter 15mm). Repositioning of long vehicles is unnecessary.



### Type SAKR

In narrow space car wash the square pipe length of the boom is limited by the width of the hall. The stainless steel gyroscope allows an additional extension of the total boom by approx. 1.5m and rotation of 360°.

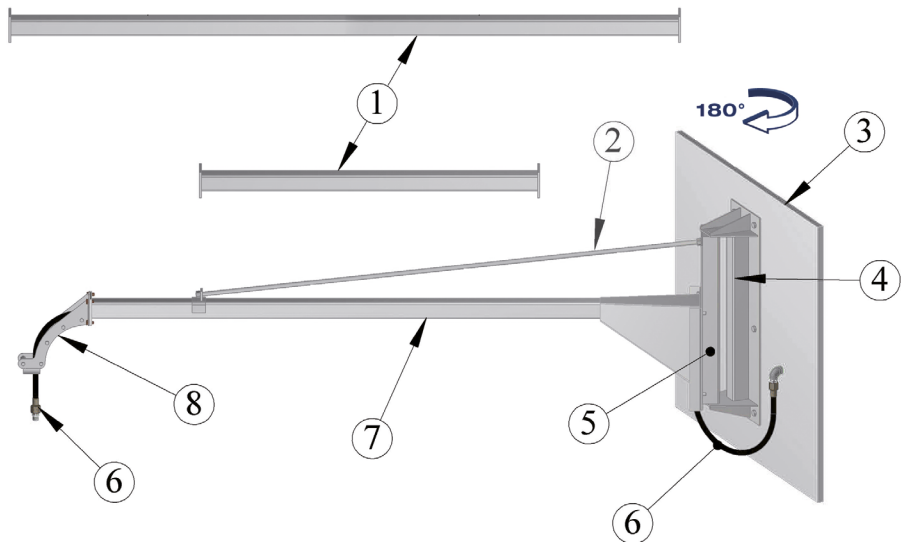


# Wall boom type SA

Sectional view:

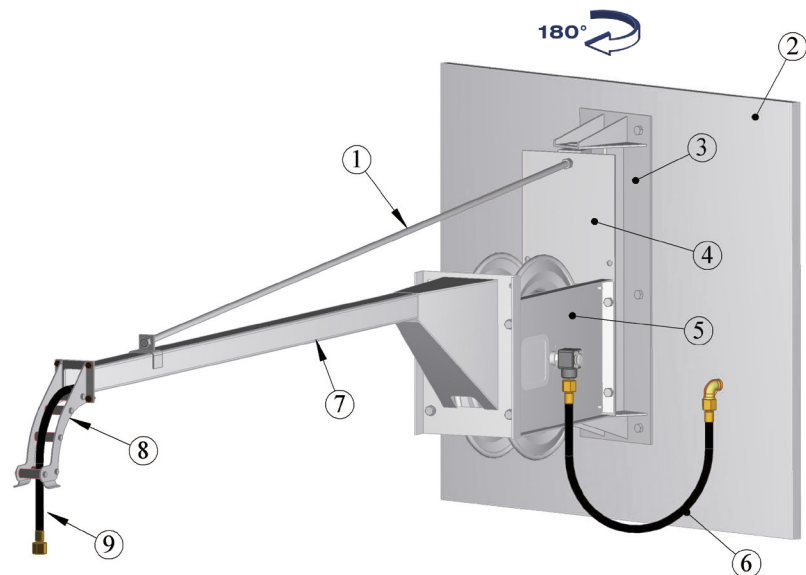
## Type SA Basic model

P.	Description
1	Extension 1m + 2m
2	Tie rod
3	Wall
4	Bracket, fixed part
5	Bracket, loose part
6	Working hose
7	Boom base
8	Hose outlet



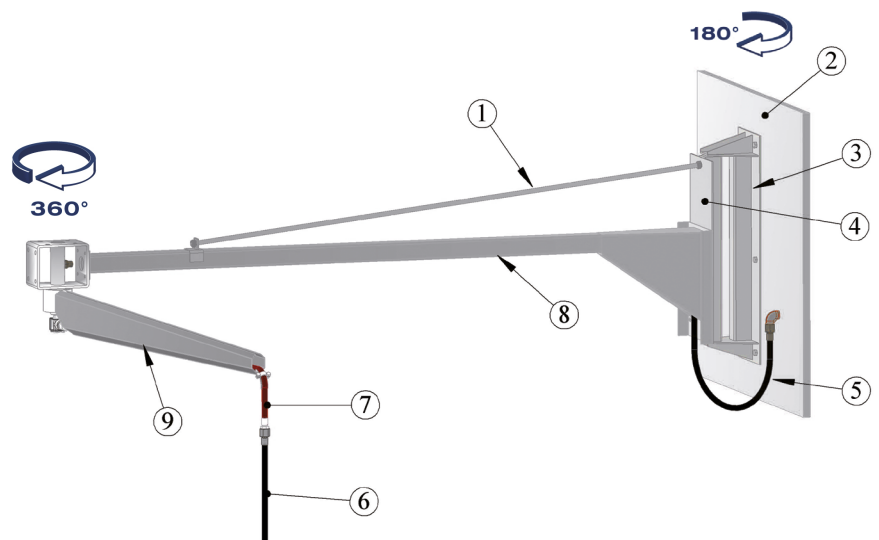
## Type SAST with hose reel

P.	Description
1	Tie rod
2	Wall
3	Bracket, fixed part
4	Bracket, loose part
5	Automatic hose reel
6	Feeding hose
7	Boom base
8	Hose outlet
9	Working hose



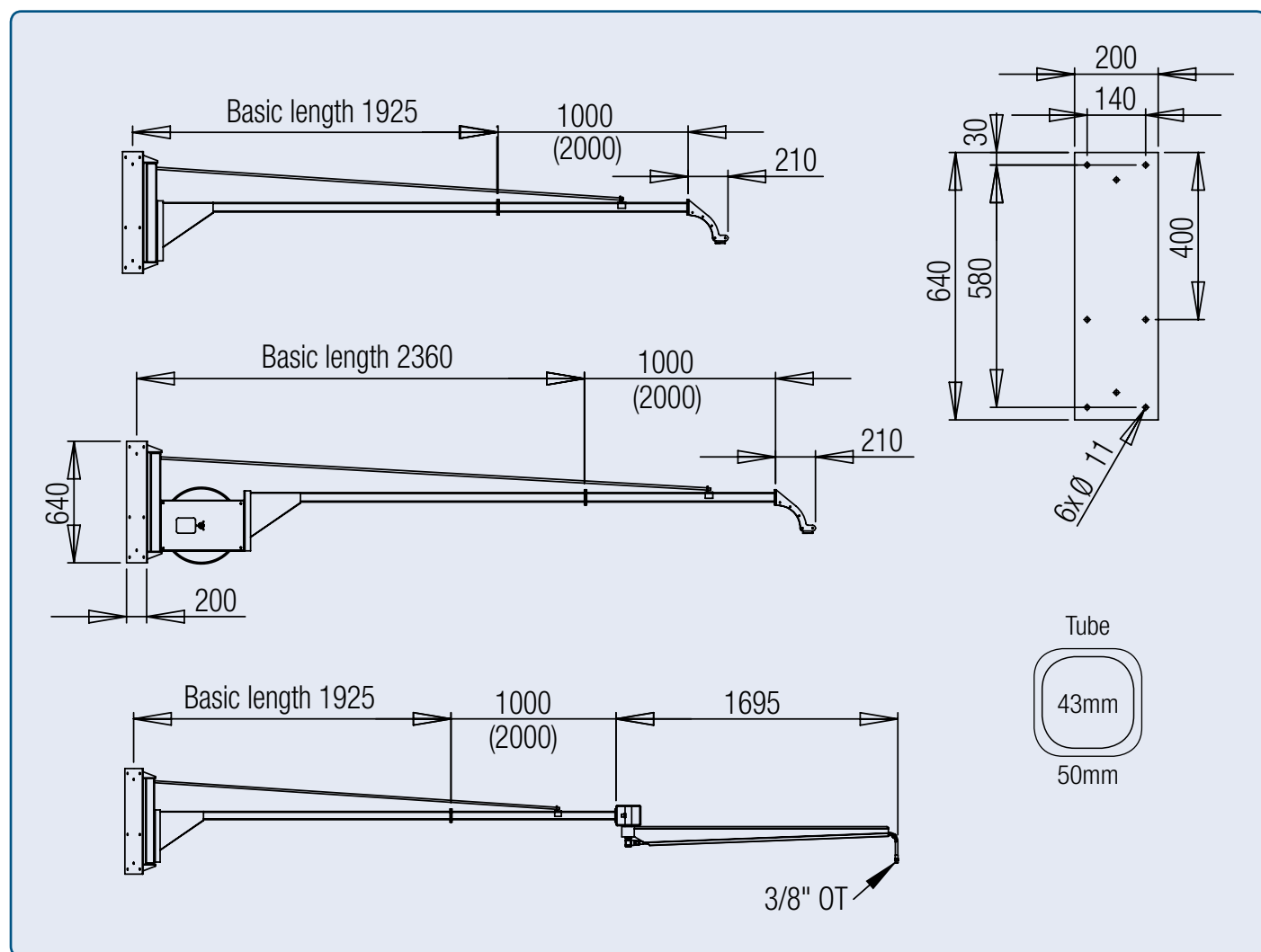
## Type SAKR with gyroscope

P.	Description
1	Tie rod
2	Wall
3	Bracket, fixed part
4	Bracket, loose part
5	Feeding hose
6	Working hose
7	Connection hose
8	Boom base
9	Gyroscope



# Wall boom type SA

## Dimensions:



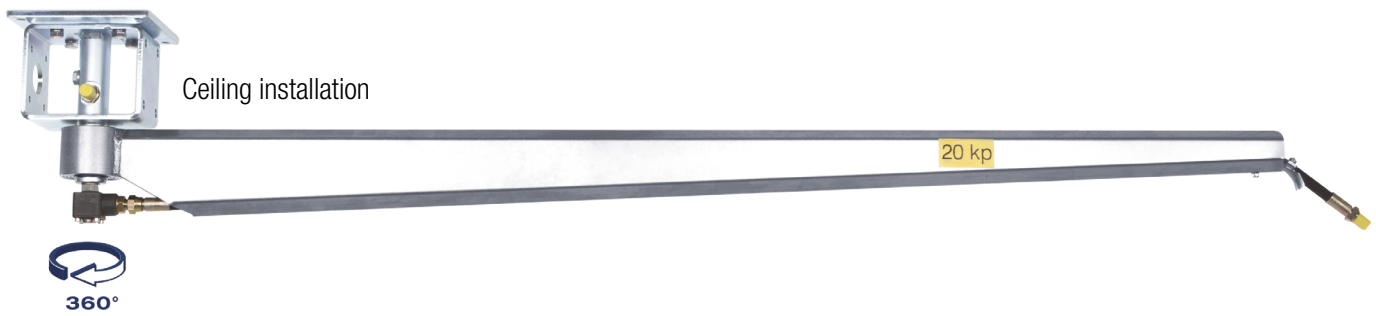
Type	Item number	Max. length	Tensile load	Weight	Needed hose length	Temp.	Pressure		
<b>Type SA, without gyroscope and without hose reel</b>									
SA/2	V1073000201	2135 mm	200 N	25,0 kg	2600 mm + height	100°C	300 bar		
SA/3	V1073000202	3135 mm	200 N	30,0 kg	3600 mm + height	100°C	300 bar		
SA/4	V1073000203	4135 mm	200 N	34,0 kg	4600 mm + height	100°C	300 bar		
SA/5	V1073000204	5135 mm	200 N	39,0 kg	5600 mm + height	100°C	300 bar		
<b>Type SAST, without gyroscope and with hose reel</b>									
SAST/2.5	V1073000101	2570 mm	200 N	43,0 kg	16135 mm + height	100°C	300 bar		
SAST/3.5	V1073000102	3570 mm	200 N	48,0 kg	17135 mm + height	100°C	300 bar		
SAST/4.5	V1073000103	4570 mm	200 N	52,0 kg	18135 mm + height	100°C	300 bar		
SAST/5.5	V1073000104	5570 mm	200 N	57,0 kg	19135 mm + height	100°C	300 bar		
<b>Type SAKR, with gyroscope and without hose reel</b>									
SAKR/2	V1073000301	3620 mm	200 N	36,0 kg	Installation height	100°C	300 bar		
SAKR/3	V1073000302	4620 mm	200 N	41,0 kg	Installation height	100°C	300 bar		
SAKR/4	V1073000303	5620 mm	200 N	45,0 kg	Installation height	100°C	300 bar		

## Extent and condition of delivery:

The ordered components are pre-assembled as transportable devices up to a length of 2.5m. Working and feeding hoses are not included. Type SAKR includes the hose in the gyroscope. Assembling can be effected either by the customer himself or by a trader.

# Ceiling and wall gyroscope type KR

This very robust, maintenance-free construction is designed for a long life.



## Boom:

Warp-resistant sheet steel profile of corrosion-proof stainless steel AISI 304.

## Bearings:

Solid sheet steel construction, corrosion resistant by galvanization.

Two reliable plain bearings, greased and encapsulated for high durability will guarantee a smooth gliding.

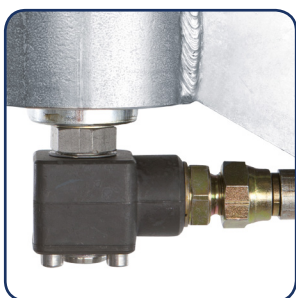
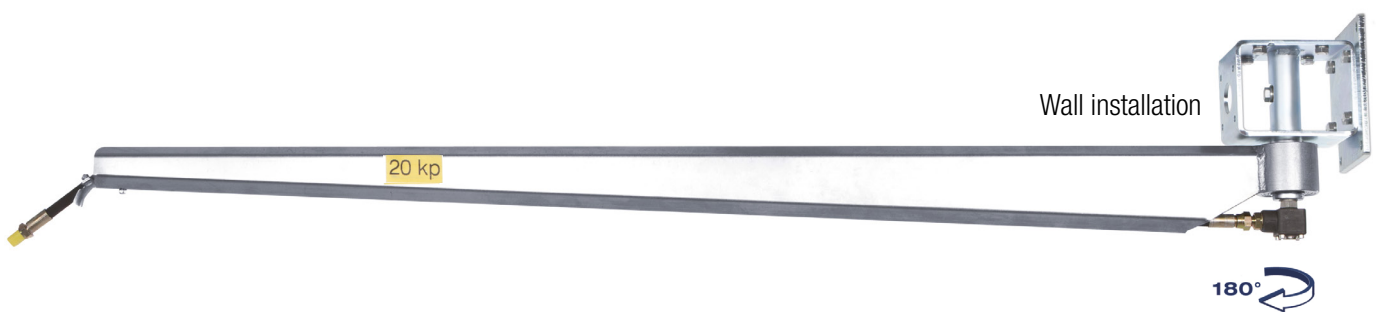
## Angled swivel:

The standard angled swivel WDT10/AI is basically equipped with stainless steel axles. The housing consists of a hard anodized aluminium die cast alloy. All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM. For a surcharge they are also available in Viton for chemistry.

## Application areas:

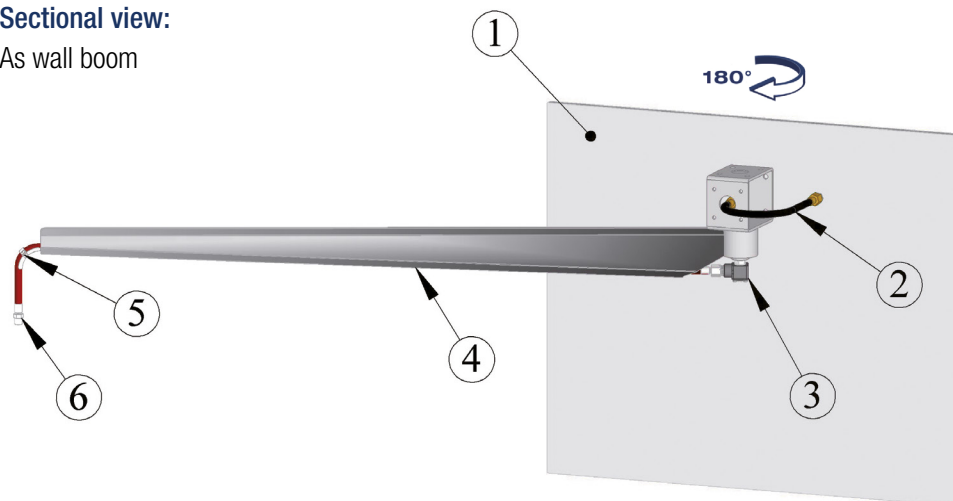
Water, water with detergents, air, oil and grease. Approved for ceiling and wall installation.

- Ceiling gyroscope (360°), installation in factories, garages, service stations, car washes and self service station.
- As wall boom (180°).
- Additional for the wall boom type SA. The radius can be extended.



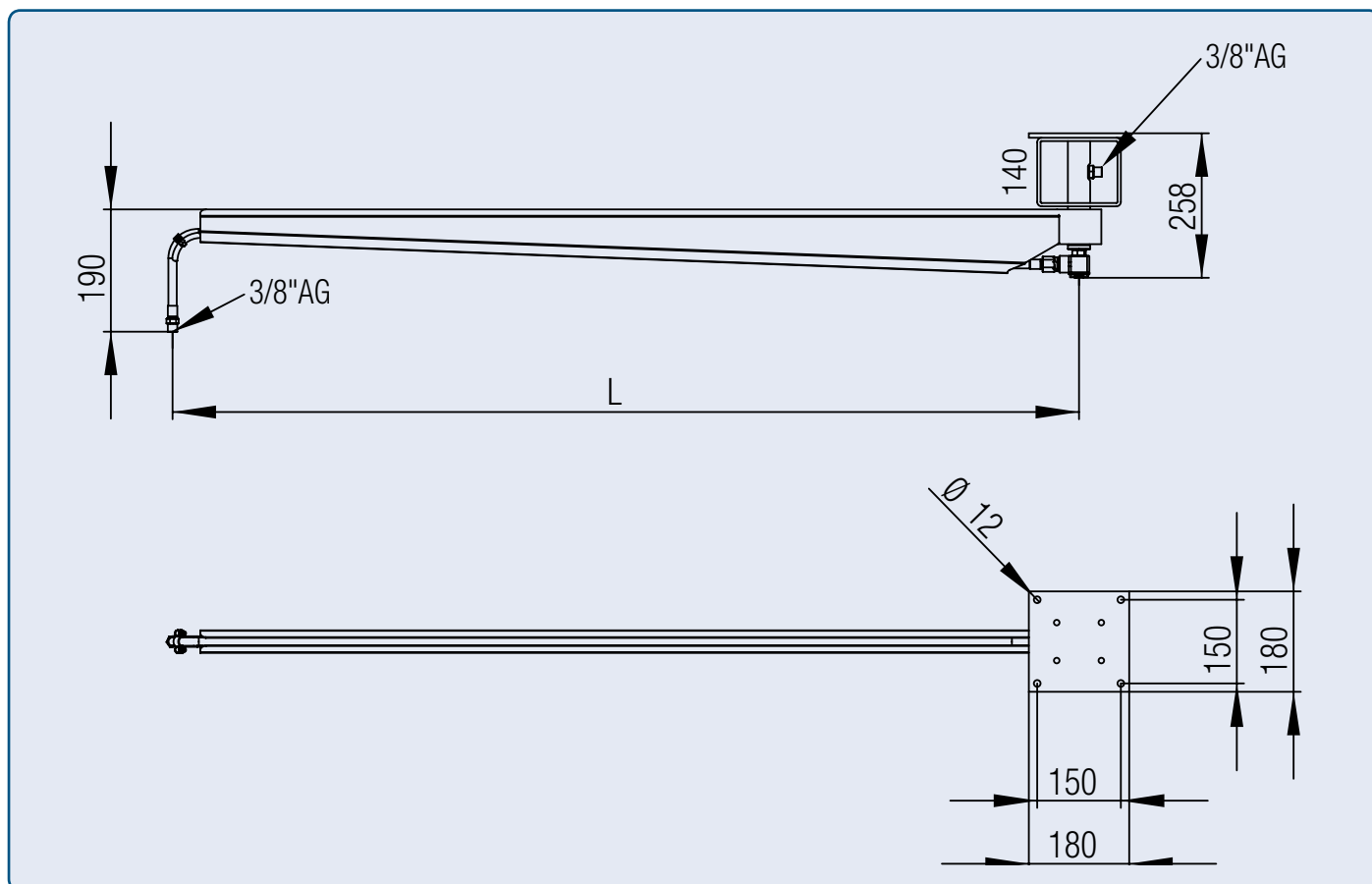


**Sectional view:**  
As wall boom



P.	Description
1	Ceiling / wall
2	Feeding hose
3	Angled swivel
4	Gyroscope
5	Hose clamp
6	Working hose

**Dimensions:**



**Gross price list and technical data :**

Type	Item number	Length L	Tensile load	Weight [kg]	Temp. [°C]	Pressure [bar]		
KR 1.6	V1073000901	1620 mm	200 N	13,0	100	300		
KR 2.0	V1073000902	2000 mm	200 N	14,1	100	300		
KR 2.5	V1073000903	2500 mm	200 N	15,4	100	300		

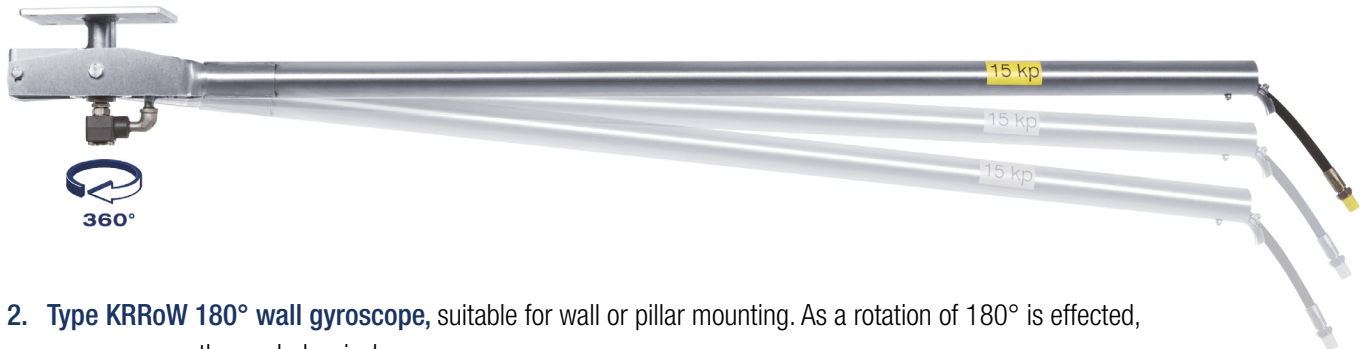
**Extent and condition of delivery:**

The gyroscope is entirely pre-assembled: The equipment contains a 3/8" connecting hose between the angled swivel and the outlet. A set of screws and dowels for the mounting onto the wall are included in the delivery. The working hose (outlet to pistol) and feeding hose (water connection to console) is not included but available on request.

# Gyroscope type KRRoU and KRRoW

This very reliable maintenance-free stainless steel construction designed for high durability.

**1. Type KRRoU 360° universal gyroscope**, suitable for solo and tandem use. This type allows single as well as the mounting of two ceiling gyroscopes parallel. The arm can be inclined by 10° maximum. This enables the tandem use as well as a compensation of uneven ceilings. Long adjustment procedures can be avoided.



**2. Type KRRoW 180° wall gyroscope**, suitable for wall or pillar mounting. As a rotation of 180° is effected, you can renounce the angled swivel.



## Boom:

Torsion resistant and reliable pipe made from stainless steel. The high pressure hose inside the pipe is well protected. The bend protection at the pipe outlet prevents hose damages. The elasticity of the resistant hose avoids frost damages.

## Bearings:

Solid, corrosion-free stainless steel construction, with two maintenance-free encapsulated ball bearings.

## Angled swivel:

The standard angled swivel WDT10/AI is basically equipped with a stainless steel axle. The housing consists of a hard anodized aluminium die cast alloy. All types can be supplied in stainless steel AISI 304 upon request. The used seals are made of PTFE and EPDM. For a surcharge they are also available in Viton for chemistry.

## Application areas:

Primary car wash, service station, self-service station, garages and factories. Approved for water, oil, compressed air. pH3-12



Rotation range



Angled swivel WDT10/AI



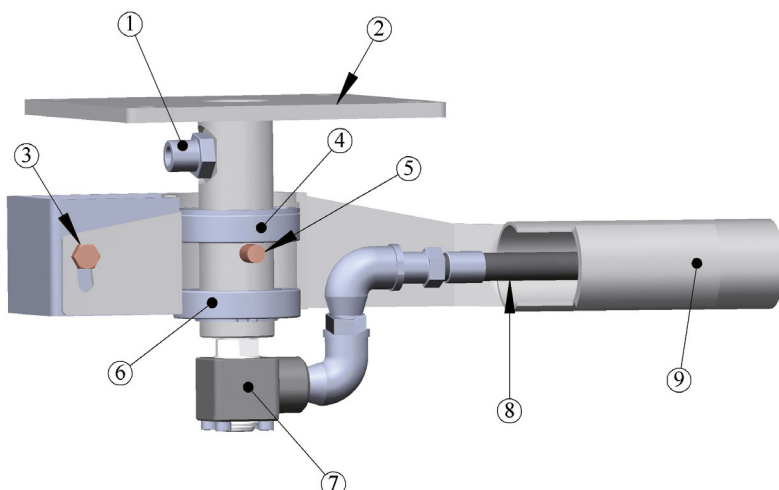
Hose bend protection



Adjustment screw

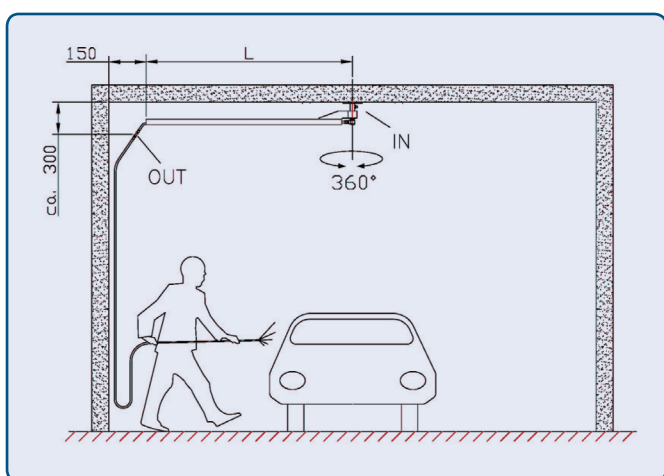
## Sectional view:

After loosening the locking screw the arm can be inclined by 10°.

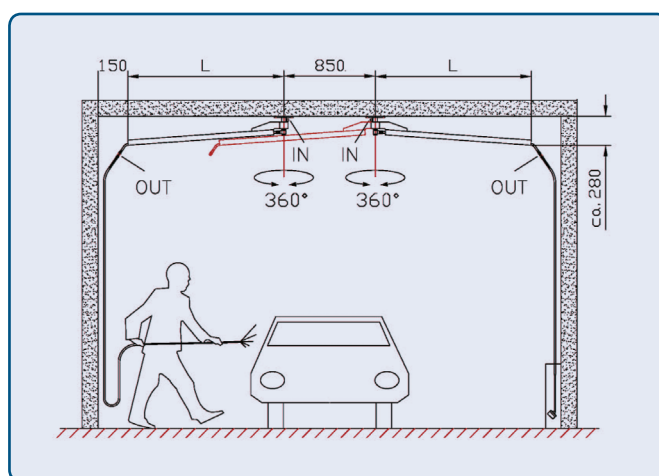


P.	Description
1	Water inlet
2	Ceiling plate
3	Locking screw
4	Ball bearing 1
5	Pivot point
6	Ball bearing 2
7	Angled swivel
8	Hose
9	Boom

## Dimensions:



**Application example:** Standard use, boom ceiling parallelly.



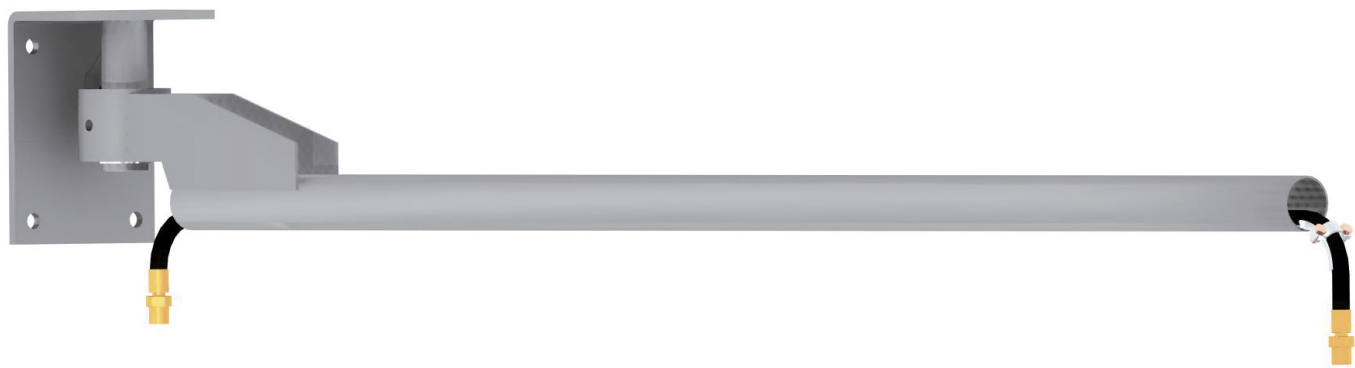
**Application example:** The arrangement of two gyroscopes allows very comfortable washing of vehicles. 1 gyroscope for high pressure, 1 additional gyroscope for the foam brush, ensures entire rational mobility. Minimum distance is 850mm.

## Gross price list and technical data :

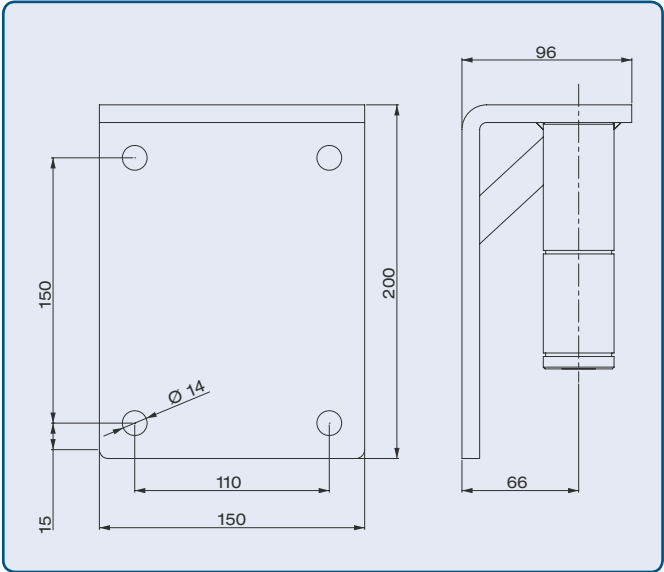
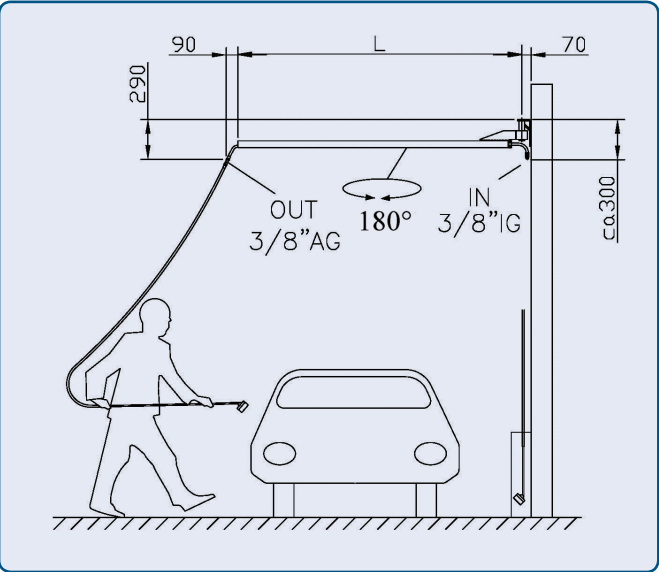
Type	Item number	Max. length	Tensile load	Weight [kg]	Temp. [°C]	Pressure [bar]		
KRRoU/145	V10730013	1450 mm	150 N	9,8	100	300		
KRRoU/150	V10730013-1	1500 mm	150 N	10,0	100	300		
KRRoU/155	V10730013-2	1550 mm	150 N	10,2	100	300		
KRRoU/165	V10730013-3	1650 mm	150 N	10,5	100	300		
KRRoU/175	V10730013-4	1750 mm	150 N	10,8	100	300		
KRRoU/200	V10730013-5	2000 mm	150 N	11,4	100	300		
KRRoU/250	V10730013-6	2500 mm	150 N	12,7	100	300		
KRRoU/300	V10730013-7	3000 mm	150 N	14,0	100	300		

## Extent and condition of delivery:

The gyroscope is entirely pre-assembled. The equipment includes a 3/8" connecting hose between angled swivel and the outlet, a set of screws and dowels for the mounting onto the wall or ceiling. The working hose up to the pistol or brush can be ordered on request.



Dimensions & application example:

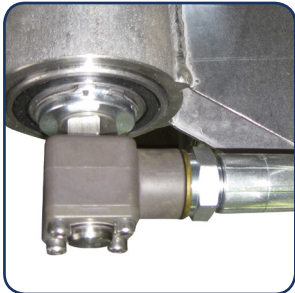


Gross price list and technical data :

Type	Item number	Max. length	Tensile load	Weight [kg]	Temp. [°C]	Pressure [bar]		
KRRoW/150	V10730015	1500 mm	150 N	9,1	100	300		
KRRoW/175	V10730015-1	1750 mm	150 N	9,8	100	300		
KRRoW/200	V10730015-2	2000 mm	150 N	10,5	100	300		
KRRoW/250	V10730015-3	2500 mm	150 N	11,9	100	300		
KRRoW/300	V10730015-4	3000 mm	150 N	13,3	100	300		

Extent and conditions of delivery:

The gyroscope is entirely pre-assembled. The equipment includes a 3/8" connecting hose between angled swivel and the outlet, a set of screws and dowels for the mounting onto the wall or ceiling. The working hose up to the pistol or brush can be ordered on demand.



Angled swivel WDT12/Al



Special hoses on request

# Accessories - Brackets

Gross price list, for ST and STG, mounting possibilities see page 3

Type	Suitable for hose reel	Material	Item number		
					
<b>Hose reel parallel to wall - Angle bracket for fixed wall mounting - Type KHDp (see example picture 1, page 3)</b>					
KHDp 14/20e	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Stainless steel	V1070000201		
KHDp 30/40/1e	ST30/10, ST30/12, ST40/10/2, ST40/12/2, ST40/19/1	Stainless steel	V107000030		
KHDp 40/2e	ST40/19/2, ST60/10/3	Stainless steel	V1070003001		
<b>Hose reel right-angled to wall - Angle bracket for fixed wall mounting - Type KHDr (see example picture 2+3, page 3)</b>					
KHDr 14/20e	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Stainless steel	V1070000202		
KHDr 30/40/1e	ST30/10, ST30/12, ST40/10/2, ST40/12/2, ST40/19/1	Stainless steel	V1070000203		
KHDr 40/2e	ST40/19/2, ST60/10/3	Stainless steel	V107000002		
<b>Hose reel stabilisation - Bracket for fixed wall and ceiling mounting - Type KWH (see example picture 4-6, page 3)</b>					
KWH 14/20e	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Stainless steel	V107000055		
KWH 30e	ST30/10, ST30/12	Stainless steel	V107000056		
KWH 40/1e	ST40/10/2, ST40/12/2, ST40/19/1	Stainless steel	V107000056-1		
KWH 40/2e	ST40/19/2, ST60/10/3	Stainless steel	V107000057		
<b>Back plate for brackets type KWH, necessary for installation on panel walls - Type KWHG (see example picture 11, page 3)</b>					
KWHG 14/20e	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Stainless steel	V1070000551		
KWHG 30/40/1e	ST30/10, ST30/12, ST40/10/2, ST40/12/2, ST40/19/1	Stainless steel	V1070000561		
KWH 40/1e	ST40/19/2, ST60/10/3	Stainless steel	V1070000571		
<b>Hose reel pivoted - Wall swivel bracket - Type SKW (see example picture 7-9, page 3)</b>					
SKW 14/20v	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Galvanized steel	V107000003		
SKW 14/20e	ST14/10e, ST14/12e, ST20/10e, ST20/12e, ST20/19e	Stainless steel	V1070000301		
SKW 30/40/1v	ST30/10, ST30/12, ST40/10/2, ST40/12/2, ST40/19/1	Galvanized steel	V107000044		
SKW 30/40/1e	ST30/10e, ST30/12e, ST40/10/2e, ST40/12/2e, ST40/19/1e	Stainless steel	V107000027		
SKW 40/2v	ST40/19/2, STG28/24	Galvanized steel	V107000058		
SKW 40/2e	ST40/19/2e, ST60/10/3e, STG28/24e	Stainless steel	V107000059		
<b>Counter back plate for brackets type SKW, necessary for installation on panel walls - Type SKWGe (see example picture 11, page 3)</b>					
SKWGe	For all brackets type SKW	Stainless steel	V1070000271		
<b>Counter back plate for direct installation of type ST, necessary for installation on panel walls - Type STG (see example pict. 11, page 3)</b>					
STG 14/20e	ST14/10, ST14/12, ST20/10, ST20/12, ST20/19	Stainless steel	V107100141		
STG 30/40/1e	ST30/10, ST30/12, ST40/10/2, ST40/12/2, ST40/19/1	Stainless steel	V107100142		
STG 40/1e	ST40/19/2, ST60/10/3	Stainless steel	V107100143		
<b>Screw set</b>					
Hose reel to bracket and bracket to wall (screws, dowels, washers and nuts)		Stainless steel	V107000041		
hose reel to wall (wood screws, dowels and washers)		Stainless steel	V10700004101		
hose reel to bracket (hexagon screws, washers and nuts)		Stainless steel	V10700004102		



Wall swivel bracket SKW



Wall and ceiling bracket KWH



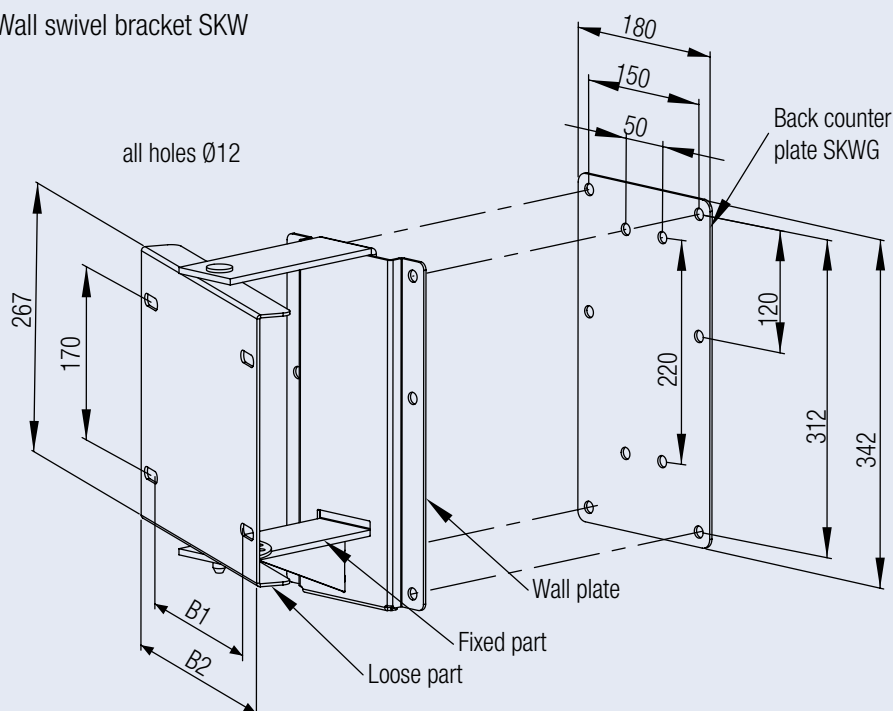
Angled bracket KHD p+r



Screw set



### Wall swivel bracket SKW



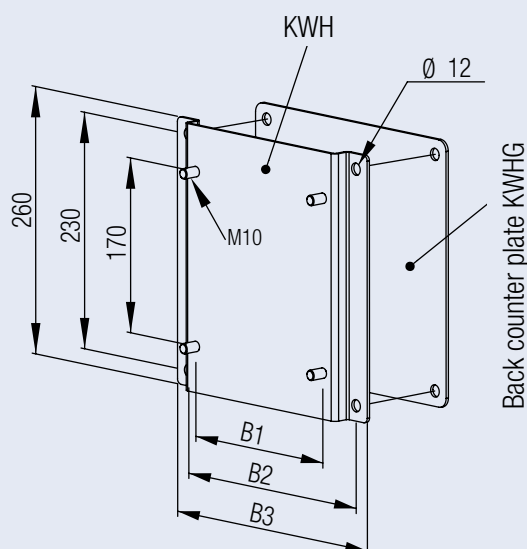
Back counter plates are used for light weight construction walls e.g. panel walls

The counter plate suits for all SKW types. For SKW14/20 only use the holes 50 x 220mm.

The fixed part of SKW14/20 consists of a U-part only, without wall plate.

Type	B1 [mm]	B2 [mm]	T [mm]	Weight SKW [kg]	Weight back plate [kg]
SKW 14/20	135-180	210	134	3,7 kg	1,3 kg
SKW30/40/1	224-286	316	168	6,6 kg	2,5 kg
SKW40/2	340-397	420	238	8,0 kg	2,6 kg

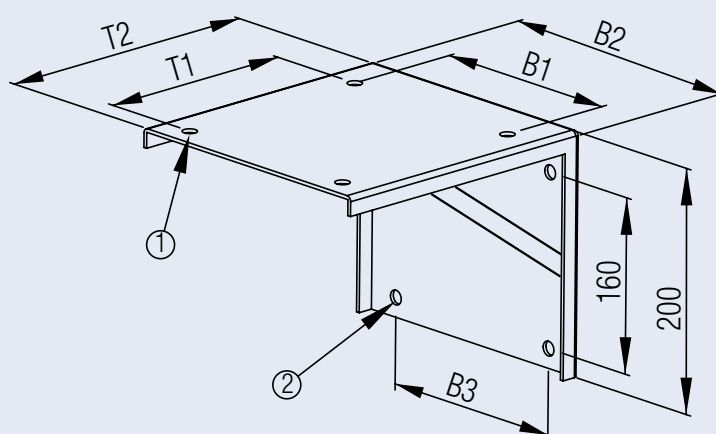
### Wall and ceiling bracket KWH



Type	B1 [mm]	B2 [mm]	B3 [mm]	Weight
KWH14/20	176	232	263	1,8 kg*
KWH30/40/1	226-276	338	369	2,5 kg*
KWH40/2	376	438	469	3,2 kg*

\* Weight without back plate






### Angled bracket KHDp+r



Type	B1 [mm]	B2 [mm]	B3 [mm]	T1 [mm]	T2 [mm]	Weight
KHDp14/20	170	145-185	161	165	222	2,7 kg*
KHDp30/40/1	170	221-231	161	282	328	3,4 kg*
KHDp40/2	170	372-382	161	382	428	3,4 kg*
KHDr14/20	176	170	176	170	390	4,4 kg*
KHDr30/40/1	226-276	170	282	170	390	5,3 kg*
KHDr40/2	370-386	170	382	170	390	6,8 kg*

# Accessories - Angled swivels

Technical data and gross price list for all hose reels

Type 	Item number 	Nom. width [mm] 	Thread [Inch]		Pressure [bar] 	Material 	
			Inlet	Outlet			
WDTH5/304	B1070003505	5	1/4" IG	3/8" AG	600	Stainless steel 304	
WDTH10/Al	B10700035	10	3/8" IG	3/8" AG	300	Aluminium/Stainless st.	
WDTH10/304	B1070003501	10	1/2" IG	3/8" AG	400	Stainless steel 304	
WDTH10/316	B1070003507	10	1/2" IG	3/8" AG	400	Stainless steel 304	
WDTH12/Al	B1070003504	12	1/2" IG	3/8" AG	200	Aluminium/Stainless st.	
WDTH12/304	B10700035011	12	1/2" IG	3/8" AG	300	Stainless steel 304	
WDTH12/316	B10700035006	12	1/2" IG	3/8" AG	300	Stainless steel 316	
WDTH19/Br	B10700036	19	3/4" IG	3/4" AG	200	Brass/Stainless steel	
WDTH19/304	B1070003601	19	3/4" IG	3/4" AG	200	Stainless steel 304	
WDTH19/316	B1070003605	19	3/4" IG	3/4" AG	200	Stainless steel 316	
WDTH24/Br	B1070003602	24	1" IG	1" AG	200	Brass/Stainless steel	
WDTH24/304	B1070003603	24	1" IG	1" AG	200	Stainless steel 304	
WDTH24/316	B1070003606	24	1" IG	1" AG	200	Stainless steel 316	



WDTH5/304







WDTH12/Al



WDTH10/304

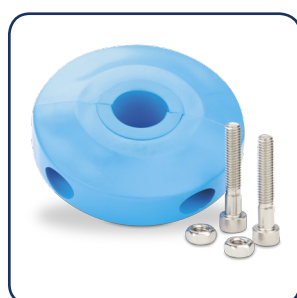


WDTH19/304

Description 	Addition 	Material 	Item number 	
<b>Seal kit</b>				
Seal kit for angled swivel (Standard)	1/4", 3/8", 1/2"	Slide ring PTFE/ O-ring EPDM70 AP370	B10700037	
Seal kit for angled swivel (180°C)	1/4", 3/8", 1/2"	Slide ring PTFE/ O-ring Viton 665	B10700037-VI	
Seal kit for angled swivel (Chemistry)	1/4", 3/8", 1/2"	Slide ring PTFE/ O-ring EPDM70 AP540	B10700037-1	
Seal kit for angled swivel (Standard)	3/4", 1"	Slide ring PTFE/ O-ring EPDM70 AP370	B10700040	
Seal kit for angled swivel (180°C)	3/4", 1"	Slide ring PTFE/ O-ring Viton 665	B10700040-VI	
Seal kit for angled swivel (Chemistry)	3/4", 1"	Slide ring PTFE/ O-ring EPDM70 AP540	B10700040-CH	
<b>Hose stopper</b>				
Hose stopper for OD-Diameter 10-34mm	blue	Plastic / rubber	B1071010301	
Hose stopper for OD-Diameter 10-34mm	black	Plastic / rubber	B1071010302	



Seal kit with mounting aid



Hose stopper blue



Fitting made of brass



Hose clamp, galvanized

# Accessories - Fittings

Technical data and gross price list for all hose reels

<div>Description</div> <div></div>	Thread [Inch]		Pressure [bar]	Material	Item number	
	Inlet	Outlet				
Double fitting - Suitable for installation of the hose to the pipe elbow as well as the angled swivel						
Double fitting St	3/8" AG	3/8" AG	500 bar	Galvanized steel	E10400199	
Double fitting 304	3/8" AG	3/8" AG	500 bar	Stainless steel	E10710216	
Double fitting St	3/8" AG	1/2" AG	500 bar	Galvanized steel	E10710060	
Double fitting Br	3/8" AG	M22x1,5 AG	400 bar	Brass	E10400045	
Double fitting 304	3/8" AG	M22x1,5 AG	500 bar	Stainless steel	E10710060-4	
Double fitting St	1/2" AG	1/2" AG	500 bar	Galvanized steel	E10710063	
Double fitting 304	1/2" AG	1/2" AG	500 bar	Stainless steel	E10710183	
Double fitting St	3/4" AG	3/4" AG	400 bar	Galvanized steel	E10710061	
Double fitting 304	3/4" AG	3/4" AG	400 bar	Stainless steel	E10710277	
Double fitting Br	3/4" AG	1" AG	150 bar	Brass	E10710201	
Double fitting St	1" AG	1" AG	250 bar	Galvanized steel	E10720083	
Double fitting 304	1" AG	1" AG	250 bar	Stainless steel	E10710247	
Reduction fitting - Suitable for installation of the hose to the pipe elbow as well as the angled swivel						
Reduction fitting 304	1/4" IG	3/8" AG	500 bar	Stainless steel	E10710109-304	
Reduction fitting 304	3/8" IG	1/2" AG	500 bar	Stainless steel	E10710108-304	
Reduction fitting 304	1/2" IG	3/4" AG	500 bar	Stainless steel	E107101383	
Turn coupling - Allows turning the pistol without twisting the hose						
Turn coupling 304	3/8" IG	3/8" AG	350 bar	Stainless steel	E10700107-7	
Turn coupling 304	1/2" IG	1/2" AG	350 bar	Stainless steel	E10700107-6	
Turn coupl. ball bearing 304	1/2" IG	1/2" AG	30 bar	Stainless steel	E10700107-21	
Turn coupl. ball bearing 304	3/4" IG	1/2" AG	30 bar	Stainless steel	E10700107-23	
Quick coupling - Allows the fast connection and change from the pistol and the hose						
Quick coupling female 304	1/2" IG	Female	200 bar	Stainless steel	E10700112-4	
Quick coupling female 304	1/2" AG	Female	200 bar	Stainless steel	E10700112-7	
Quick coupling male 304	3/8" AG	Male	200 bar	Stainless steel	E10700112-9	
Quick coupling male 304	1/2" IG	Male	200 bar	Stainless steel	E10700112-5	
Quick coupling male 304	1/2" AG	Male	200 bar	Stainless steel	E10700112-8	
Hose connectorn and clamp - Allows the connection of the hose without pressed fittings						
Hose connector Br	3/8" AG	Tube 9mm	10 bar	Brass	E10400662	
Hose connector Br	1/2" AG	Tube 13mm	10 bar	Brass	E10400667	
Hose connector Br	3/4" AG	Tube 9mm	10 bar	Brass	E1040066701	
Hose connector Br	1" AG	Tube 25mm	10 bar	Brass	E1040066702	
Hose clamp	for diameter 12-22mm		X	Galvanized steel	E10400206	
Hose clamp	for diameter 25-40mm		X	Galvanized steel	E10720086	



Quick coupling



Turn coupling



Reducing fitting



Double fitting

# Accessories - Pistols and lances

Technical data and gross price list for all hose reels

Description	Thread	Technical data	Material	Item number	
<b>Spray cleaning pistol with adjustable stream - Low pressure up to 24 bar</b>					
Spray cleaning pistol Br	1/2" IG	blue, 24 bar, 95 °C, 75 l/min	Rubber/Brass	E10700114	
Spray cleaning pistol 304	1/2" IG	blue, 24 bar, 95 °C, 75 l/min	Rubber/Stainless st.	E1070011401	
Spray cleaning pistol 304	1/2" IG	black, 24 bar, 95 °C, 120 l/min	Rubber/Stainless st.	E10700114-06	
ATEX Spray cleaning pistol	1/2" IG	black, 24 bar, 95 °C, 120 l/min	Rubber/Stainless st.	E1070011405	
<b>Spray cleaning pistol with coupling to install lances - Low pressure up to 24 bar</b>					
S-pistol with coupling Br	1/2" IG	24 bar, 95 °C, 75 l/min	Rubber/Brass	E10700114-6	
Isolated lance with nozzle	Cp-Male	24 bar, 95 °C, 500mm	Stainless steel	E10700114-20	
Isolated lance with nozzle	Cp-Male	24 bar, 95 °C, 800mm	Stainless steel	E10700114-23	
Foam lance with nozzle	Cp-Male	24 bar, 95 °C, 500mm	Stainless steel	E10700114-24	
<b>Spray cleaning and foam pistol with close delay - 60 bar</b>					
Pistol with coupling	1/2" IG	60 bar, 95 °C, 100 l/min	Plastic/St. steel	E10710029	
Flush lance without nozzle	Cp-Male	60 bar, 95 °C, 800mm	Stainless steel	E10710032	
Flat spray nozzle	1/4"	25/20	Stainless steel	E10710187-7	
Foam lance with nozzle	Cp-Male	60 bar, 95 °C, 300mm	Stainless steel	E10710033	
<b>High pressure pistol with lance - 310 bar</b>					
High pressure pistol Br	3/8" IG	310 bar, 150 °C, 45 l/min, 1/4" IG	Plastic/Brass	E10700116	
High pressure pistol 304	3/8" IG	310 bar, 150 °C, 45 l/min, 1/4" IG	Plastic/Stainless st.	E10700189	
Isolated lance with nozzle	1/4" AG	250 bar, 150 °C, 500mm	Galvanized steel	E10700117-2	
Isolated lance with nozzle	1/4" AG	250 bar, 150 °C, 500mm	Stainless steel	E10400698-7	
Isolated lance with nozzle	1/4" AG	250 bar, 150 °C, 1000mm	Galvanized steel	E10700117	
Isolated lance with nozzle	1/4" AG	250 bar, 150 °C, 1000mm	Stainless steel	E10400698	
Nozzle protector	1/4" IG	Gray/black	Plastic/Brass	E10700118-1	
Flat spray nozzle	1/4" AG	25/20	Stainless steel	E10400591	

## Spray cleaning pistol 75l

The remarkable features of this spray pistols are their ergonomic design, their easy handling and their absolute water-efficiency. The solid rubber housing prevents damages (FDA conform). The metering lever allows the progressive adjustment from fine drizzle up to a sharp focussed jet.



24bar 75 l/min

## Clean and foam pistol

Rinsing and foam lances can be plugged onto this professional water pistol, suitable for the food industry. The progressive closing system makes the handling easier. High water quantities are possible.

Pressure: 60 bar  
Flow: max. 100 l/min



60bar 100 l/min

## High pressure pistol

The remarkable features of this professional high pressure pistol with lance is the ergonomic design and the easy handling. The application area is the classical high pressure cleaning.

Pressure: 310 bar  
Flow: max. 45 l/min



310bar 45 l/min

## Spray cleaning pistol 120l

The remarkable features of this spray pistols are their ergonomic design, their easy handling and their high water flow. The metering lever allows the progressive adjustment from fine drizzle up to a sharp focussed jet. The robust rubber shell softens the impact, if it is dropped.






24bar 120 l/min



# Accessories - Hoses

Technical data and gross price list for all hose reels

Description 	Thread 	Nom. width 	Outs. diam. 	Pressure 	Temperature 	Material 
<b>Food hose according to 2002/72/EC, blue</b>						
blufood, blue	1/2"	12 mm	22 mm	50bar	-20 bis +70°C	PVC
<b>Dairy steam hose, blue</b>						
Dairy steam hose DN 13	1/2"	13 mm	26 mm	7bar	-20 bis +165°C	EPDM
Dairy steam hose DN 19	3/4"	19 mm	31 mm	7bar	-20 bis +165°C	EPDM
<b>High pressure cleaning hose 1SN, blue</b>						
High pressure hose DN 8, blue	3/8"	8 mm	15 mm	210bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 10, blue	3/8"	10 mm	17,4 mm	210bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 12 blue	1/2"	12 mm	20,6 mm	180bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 16, blue	3/4"	16 mm	23,7 mm	130bar	-40 bis +150°C	Synth. rubber
<b>High pressure cleaning hose 1SN, black</b>						
High pressure hose DN 8, black	3/8"	8 mm	15 mm	210bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 10, black	3/8"	10 mm	17,4 mm	210bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 12 black	1/2"	12 mm	20,6 mm	180bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 16, black	3/4"	16 mm	23,7 mm	130bar	-40 bis +150°C	Synth. rubber
High pressure hose DN 19, black	3/4"	19 mm	27,7 mm	105bar	-40 bis +100°C	EPDM
<b>Fabric hose, transparent</b>						
PVC hose DN10, clear	3/8"	10 mm	16 mm	10bar	-15 bis +65°C	PVC with fabric
PVC hose DN13, clear	1/2"	13 mm	20 mm	8bar	-15 bis +65°C	PVC with fabric
PVC hose DN19, clear	3/4"	18 mm	27 mm	7bar	-15 bis +65°C	PVC with fabric
<b>Low pressure hose, black</b>						
LP hose DN12, black	1/2"	12 mm	20 mm	20bar	-40 bis +100°C	EPDM
LP hose DN19, black	3/4"	19 mm	28 mm	20bar	-40 bis +100°C	EPDM
LP hose DN24, black	1"	24 mm	35 mm	20bar	-40 bis +120°C	EPDM

## Food hose according to 2002/72/EC, blue

The blue food hose for the specific use in abattoirs, kitchens and other food areas. Also suitable for the foam application. PVC hose with smooth surface and two textile fabric layers. Abrasion safe and resistant against commercially available detergents.



50bar, 70°C

## High pressure hose 1SN, black or blue

High pressure water hose for various fields of application. Core and surface made from synthetic rubber with a wire insert. High temperature resistant and abrasion safe, as well as oil, ozone and weather resistant. Resistant against all commercially available detergents.



210bar, 150°C

## Dairy steam hose blue with white inside

The dairy steam hose is suitable for the application in the food industry like abattoirs, dairies etc. White core and blue surface with two wire layers prevent a hose burst. High temperature resistant and abrasion safe. Pressure: 6 bar at 165°C Diameter: DN13-25



7bar, 165°C

## Fabric hose, transparent

PVC hose with layer for various applications like wash bays, working rooms, production halls, swimming pools /baths and foodstuff (RAL-E71). Core and shell cadmium-free, good chemical resistance. Checked by Technical Inspection Association (TÜV).

Pressure: 6-10 bar  
Diameter: DN8-25



10bar, 65°C



# Special constructions on request

Please send us your inquiry. Flexibility and the fulfillment of customer requests is our strength

## Cable STKi2



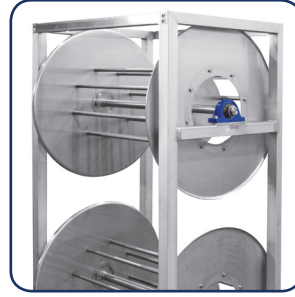
Storage drum for wire cable or similar with hand crank

## Massive STKi2Mo



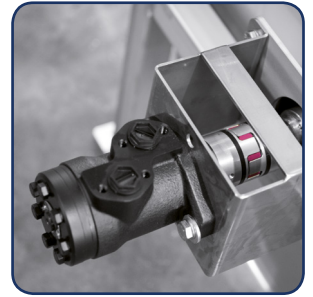
For tough application areas with special motor in solid design

## Storage SO



Rack for big hose quantities

## Hydraulic STKi2



Hydraulic drive for motor driven hose reel STKi2Mo

## Under table ST



Automatic hose reel for install. inside ovens

## Small ST



Automatic ST hose reel for small spaces

## Small STKi2Mo



Motor driven hose reel for small spaces

## Small STG



Automatic 1" hose reel for small spaces

## Wall hydrant ST



Built-in systems for automatic hose reel in wall hydrants

## Fold STK



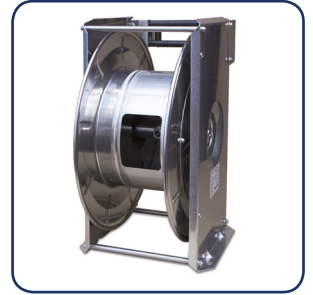
Fold hose reel for wall hydrants

## 24V STKi2



Motor driven hose reel for installation inside fire-fighting vehicles

## Double ST



Automatic hose reel with two connections

## Colours



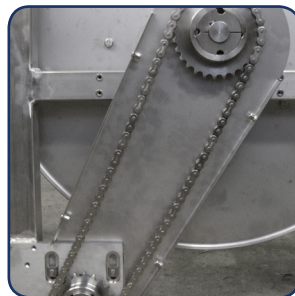
Special colours in RAL possible

## 2" STG



2" automatic hose reel for high flow rates

## Chain SO



Motor driven hose reel with chain transmission

## Vacuum STKi2



Manual vacuum hose reel with swivel

Theodor Henrichs GmbH  
Am Hellerberg 16  
D-57290 Neunkirchen

Phone: +49(0)2735/7857-0  
Telefax: +49(0)2735/7857-21

info@theodor-henrichs.de  
www.theodor-henrichs.de

Friedrich-Wilhelm Henrichs



**Management & finances**

Phone: +49 (0)2735/78 57-0  
Email: info@theodor-henrichs.de

Felix-Luitpold Henrichs



**Management & sales**

Phone: +49 (0)2735/78 57-24  
Email: fl.henrichs@theodor-henrichs.de

Heiko Giesler



**Factory management & construction**

Phone: +49 (0)2735/78 57-10  
Email: h.giesler@theodor-henrichs.de

Thorsten Schrage



**Purchase management**

Phone: +49 (0)2735/78 57-20  
Email: t.schrage@theodor-henrichs.de

Christian Diehl



**Foreman**

Telefon: +49 (0)2735/78 57-25  
Email: c.diehl@theodor-henrichs.de

Kathrin Tiggemann



**Administration & dispatch**

Telefon: +49 (0)2735/78 57-0  
Email: k.tiggemann@theodor-henrichs.de

Eva ter Jung



**Book keeping & personnel management**

Phone: +49 (0)2735/78 57-13  
Email: e.terjung@theodor-henrichs.de

Meike Broska



**Order processing**

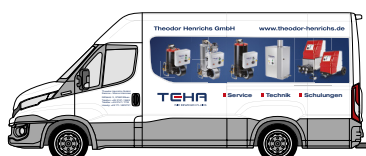
Phone: +49 (0)2735/78 57-26  
Email: m.broska@theodor-henrichs.de

**Our partner**

Horst Hammes  
Handelsvertretung &  
Cleaner Engineering  
Mittelstrasse 3  
D - 57580 Elben

Phone: +49 (0)2747/3583  
Mobile: +49 (0)171/8912731  
Telefax: +49 (0)2747 / 1733

hammes-engineering.de



Marco Hammes



**Sales & customer training**

Phone: +49 (0)171/8912731  
Email: m.hammes@theodor-henrichs.de

Sandra Gogolin



**Office management**

Phone: +49 (0)2747/3583  
Email: s.gogolin@theodor-henrichs.de

Kerstin Pracht-Lück



**Commercial correspondence**

Phone: +49 (0)2747/3583  
Email: k.prachtlueck@theodor-henrichs.de



**THEODOR-HENRICHS.DE**

