

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



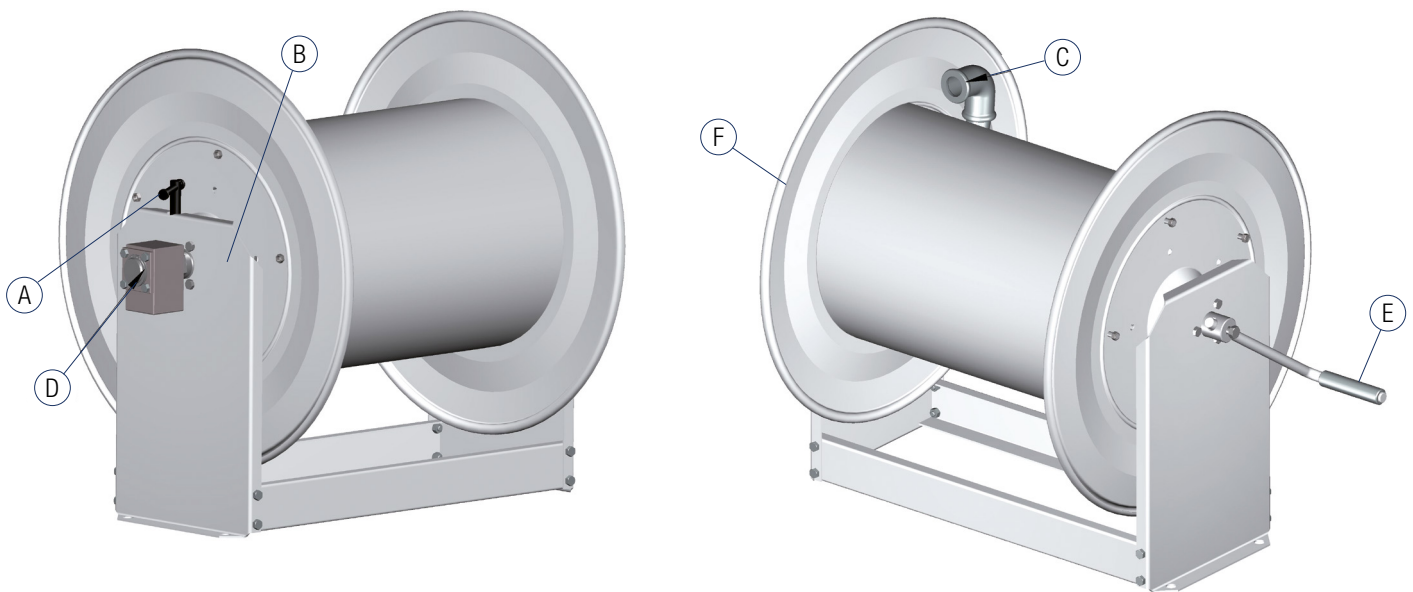
Hand crank with
polyamide roll



Brake handle black
or blue available

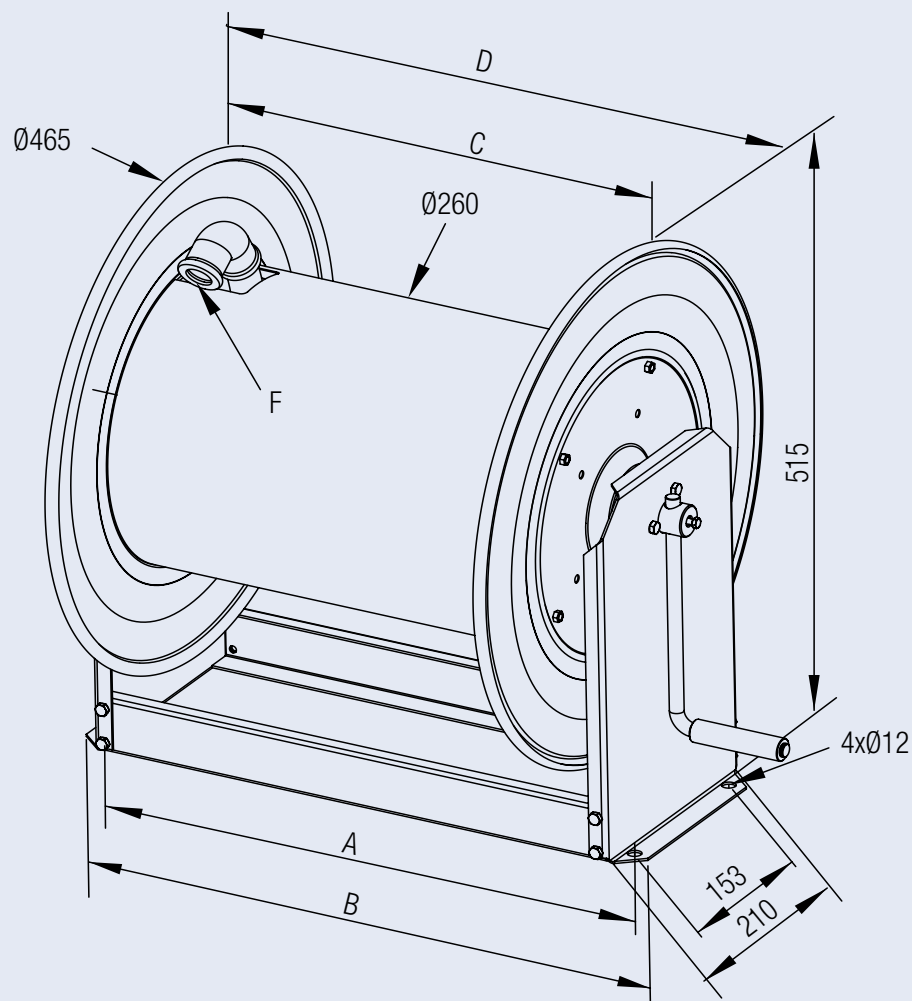
Description

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



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		
1/2" (DN12)															
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
3/4" (DN19)															
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
1" (DN24)															
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 			
1/2" (DN12)				
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			
3/4" (DN19)				
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			
1" (DN24)				
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



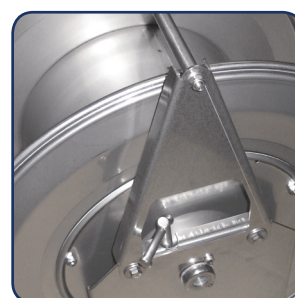
Hose guide window



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 			
1/2" (DN12)				
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			
3/4" (DN19)				
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			
1" (DN25)				
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.		