



INTRODUCTION

All information necessary for a correct assembly to ensure trouble free operation of the cable reel are described in the present operating instructions. The warranty given by the manufacturer is only valid if these operating instructions are observed and adhered to. Terms and conditions are available upon request or at <https://www.schill.de/en/footer/general-terms>.

Additional user manuals for other product variants can be found at <https://www.schill.de/en/downloads> or received on request (see "CONTACT").

GENERAL

The automatic hose rewriter provide a modern air supply at workstations. They are used to supply compressed air to mobile terminals. The hose is only pulled out when needed and in the required length. The remainder stays neatly stored on the hose reel and is protected from contamination and damage. The air connection is always accessible, but never in the way. The hose length can be easily adapted to a changing work situation. There is no hose chaos, no tripping hazard anymore. If the hose connection is no longer needed, a short pull on the hose stopper will suffice and the hose will roll up neatly. The automatic hose rewriter provides safety and order.

HANDLING

The coiled hose should be pulled out to the required length against the spring tension, but please refrain from the use of undue force. The hose is only pulled out when needed and in the required length. The remainder stays neatly stored on the hose reel and is protected from contamination and damage. The air connection is always accessible, but never in the way. The hose length can be easily adapted to a changing work situation. There is no hose chaos, no tripping hazard anymore. If the hose connection is no longer needed, a short pull on the hose stopper will suffice and the hose will roll up neatly. The automatic hose rewriter provides safety and order.

MAINTENANCE

The cable reel does not require any maintenance, due to the excellent antifriction properties of the plastic bearing. However, the cable must be checked in regular intervals for damages and replaced if necessary (see "EXCHANGING THE PULL-OUT HOSE").

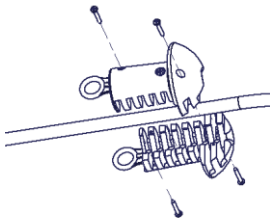
CONTINUOUS OPERATION

The cable reel is designed for manual use in workshops. The standard cable reel is fitted with a standard available cable. If used for automated applications when a high degree of mobility is required, the standard applied cable has limitations. A special cable with a support core should be used in those applications. In order to ensure a reliable function, the cable lengths must be reduced by at least 1/3. If you consider automated applications, please contact the manufacturer up-front (see "CONTACT").

SPIRAL SPRING

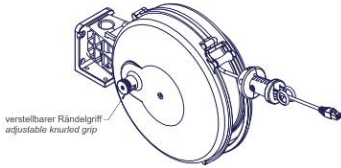
The spiral spring is subject to natural wear and tear and can result in a fatigue fracture of the spring steel. Based on experience, we recommend changing the spring after approx. 30.000 operations. The term "operations" defines not only a complete winding and unwinding of the spring but also includes a partial movement of the spring. For a safe replacement of the coil spring, please refer to paragraph ("REPLACING THE SPIRAL SPRING").

HOSE STOPPER



The length of the available hose can be individually adjusted with the provided hose stopper. The reliable clamping adapts to various hose diameters between 6 and 12mm (ST 260 / EST 265) and also 6 – 16mm (ST 350). For a thicker hose, a larger version is available. The stopper also serves as a safeguard against retraction of the hose in case of a not intended release. It should therefore never be removed.

LOCKING DEVICE



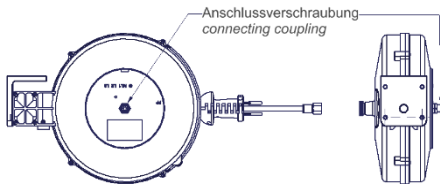
As a standard feature the hose reel has a disengageable hose locking device. The latching mechanism ensures that the pulled-out hose stays without traction fixed in place. When the hose is being pulled out, the spring detent passes over a series of grooves. An audible click indicates that the locking device is engaged. If you gently rewind the hose after the clicking sound, you will notice that the spring detent will engage into the notches, locking the hose in position. The hose can be disengaged by gently continuing to pull the hose until the click can no longer be heard. The tensioned spring will pull the hose back onto the reel.

The locking device **ST 260/350** can be disengaged by pulling the knurled grip out by approx. 1cm and turning it between 90° and 180°. This will disengage the locking device the cable is then constantly under tension.

ATTENTION

Do not release the hose when rewinding, the tension of the spring can accelerate the winding speed to such a degree that the swinging hose end could cause injury. Also damage to the hose and spring could be the result of such an action.

CONNECTION



The hose reels are unless otherwise agreed supplied without connection hose. The connection hose can be mounted in an individual length to the existing screw connection. The hose requires a hose screw with 6-KT nut and thread R1/4" inside. The nut can be tightened with a fork key, but excessive use of force must be avoided.

Attention

Connect the connection hose only with a suitable connector, a change can escape compressed air.

EXTENSION HOSE

The included standard hoses are designed to tolerate the weight of the pulled-out hose including the hose stopper. Additional weights are not allowed. The mounted hoses are limited to the specified lengths. Never use excessive force to unwind the hose as this can damage both the hose and the reel. Should the cable be blocked while coiling up, please pull the cable out again and recoil. Attention should also be paid to section „GENERAL" and "CONTINUOUS OPERATION".

In the case of versions without pull-out hoses, the hose is connected as described under "" EXCHANGING THE PULL-OUT HOSE"

MEDIUM

The hose reels are designed as compressed air drums for use with air guns, paint syringes, tire service etc. The standard assembly is done with a resistant, fabric-reinforced rubber hose 6 mm NW. Swivel joint and hose are not suitable for use with other media, in these cases we ask for request.

PRESSURE LOAD

Please observe the information on the product label. If the pull-out / connection hose is fitted by yourself, the guide values for hose loads must be observed.

READY FOR USE

After connection to the compressed air supply (see "CONNECTION") the hose roller should be ready for use. Before commissioning, check the tightness of the reel.

TECHNICAL DATA

Our hose reels with their robust design are made for operating in factories and workshops. The sturdy plastic design, made from high-quality materials, corrosion resistant and has very good winding characteristics. The cable reels come as a standard without connection hose.

- Spiral spring for approx. 30,000 operations
- Cable locking device (disengageable only ST 260/350 versions) with spring detent
- Wear- and corrosion-free brass axis
- Swivel joint made of MS58 with 6mm bore.
- Seal with Perbunan O-rings
- Rubber hose NW 6 fabric-reinforced
- Hose fitting with 6-KT nut.
- Hose stopper with lamella clamping: 6 - 12mm ST 260 and EST 265 / 6 - 16mm ST 350
- Universal holder for wall or ceiling mounting ST 260/350
- Ambient temperature range 5°C to 35°C
- side connection: screw-on R 1/4" outside

Additional information with respect to hose types, spring tensions, power loads and weights can be found on the product rating plate, in our current product catalogue and on our website <https://www.schill.de/en/>

EXCHANGING THE PULL-OUT HOSE

- Disconnect the hose reel from the power supply and remove from the operation site.
- Roll off the hose a little and lock the drum against a roll-up via the locking.

ATTENTION

The spiral spring in the coil is under tension. Please ensure that the locking mechanism is activated.

- Remove the brass nut on the connection fitting.
- Loosen all the screws and remove the housing cover.
- To replace the pull-out hose, you should make sure the spring is unwound for your own safety! Please adhere to the following instruction:
 1. Carefully pull on the hose stopper until the click of the notches have faded, you immediately notice a pull on the hose stopper in the opposite direction.
 2. Let the coil run back slowly and count the number of turns. This is important to adjust later the exact preload on the spring again, without damage to coil or spiral spring. In the end the coil should be able to move freely.
 3. Remove completely the damaged hose from the coil.
 4. Disconnect the hose from the swivel joint connection.
 5. Remove strain relief inside the coil.
 6. Remove defective pull-out hose.
 7. Remove the hose stopper from the defective cable and attach to the new cable.
- Undertake the re-assembly in reverse order (see "TIGHTENING TORQUE").
- Adjust the pre-load:
Hold the hose stopper outside the housing and hold it with one hand. Now turn the coil as often as you counted. At the end let it snap into the notches (see "LOCKING DEVICE").
- After the complete re-assembly undo the locking. Pull on the hose stopper, wind out the cable complete and slowly rewind it.
- Before re-mounting at the operation area, please check for a correct performance. (see "READY TO USE").

EXCHANGING THE SPIRAL SPRING

- Disconnect the hose reel from the power supply and remove from the operation site.
- Roll off the hose a little and lock the drum against a roll-up via the locking.

ATTENTION

The spiral spring in the coil is under tension. Please ensure that the locking mechanism is activated.

- Remove the brass nut on the connection fitting.
- Loosen all the screws and remove the housing cover.
- To replace the pull-out hose, you should make sure the spring is unwound for your own safety! Please adhere to the following instruction:
 1. Carefully pull on the hose stopper until the click of the notches have faded, you immediately notice a pull on the hose stopper in the opposite direction.

2. Let the coil run back slowly and count the number of turns. This is important to adjust later the exact preload on the spring again, without damage to coil or spiral spring. In the end the coil should be able to move freely.
- Turn the drum and release the coil from the housing by undoing the centre screw.
 - Put the coil on the side with the spring cover disc top. Remove the spring cover disk.
 - Remove the screws of the spring cover and the spring cover.
 - Carefully remove defective spring.

 **ATTENTION**

Due to the manufacturing design the spring is under tension and could unwind very fast and cause injuries if handled improper.

- Carefully Re-assemble the coil. Undertake the Re-assembly in reverse order (see "TIGHTENING TORQUE").
- If necessary, wind down the pull-out cable completely by turning the coil and insert the new spring. **Pay attention to the installation position!**
- Insert the new spring. **Pay attention to the installation position!**
- Assemble the spring cover disc. Ensure the retainer pin is engaging the spring eye.
- Adjust the pre-load:
Hold the stopper outside the housing and hold it with one hand. Now turn the coil as often as you counted. At the end let it snap into the notches (see "LOCKING DEVICE").
- After the complete re-assembly undo the locking. Pull on the cable stopper, wind out the hose complete and slowly rewind it.
- Before re-mounting at the operation area, please check for a correct performance (see "Ready to use").

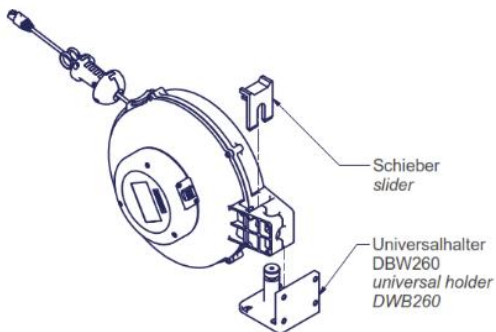
INSTALLATION HEIGHT

The installation height of the cable rewriter is not limited. The maximum extension length is the specified cable length. The standard cables are designed to withstand the weight of the extended cable included cable stopper. Additional tensile forces (cause by additional weights for example) are not permitted.

When the cable is pull-out horizontally due to the weight of cable a slack occurs. This is about 10% of the cable pull-out length.

FITTING INSTRUCTIONS ST 260

Wall mounting with universal holder DWB260

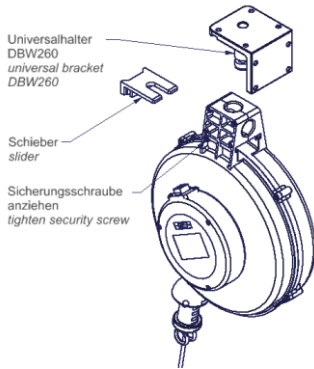


The cable reel can be rotated 150°.

 **PLEASE NOTE**

The cable reel housing must be pushed onto the universal holder pin, then insert the slider into the intended position of the cable reel housing.

Ceiling mounting with universal holder DWB260



The cable reel can be rotated 360 °.



PLEASE NOTE

The cable reel housing must be pushed onto the universal holder pin, then insert the slider into the intended position of the cable reel housing.
Do not forget to fix the slider with the securing screw!

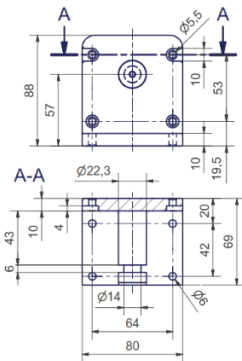


ATTENTION

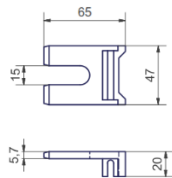
If repeated over-tightening, the connection cable can be mechanically stressed and torn off.

Universal holder DWB260 with slider

Universalthalter DWB260
Universal holder DWB260

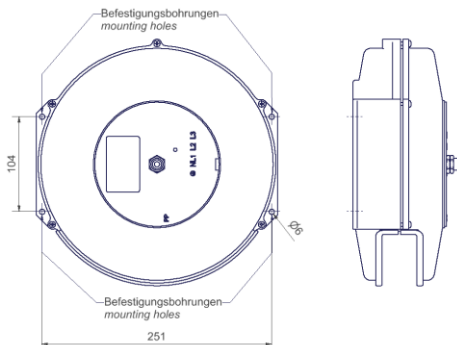


Schieber für DWB260
Slider for DWB260



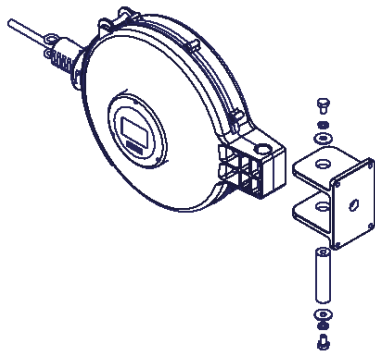
FITTING INSTRUCTIONS EST 265

the EST 265 is screwed to the mounting surface via 4 holes on the housing.

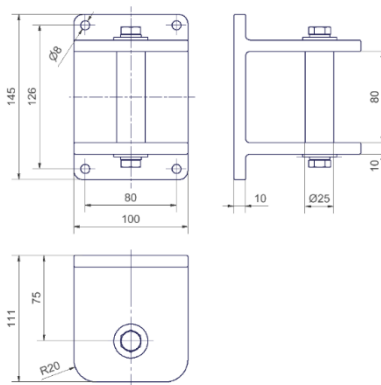


FITTING INSTRUCTIONS ST 350

Wall mounting with universal holder WB 038/350



Wandholder WB 038/350



The cable reel can be rotated 150°.



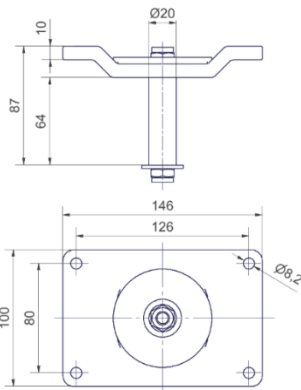
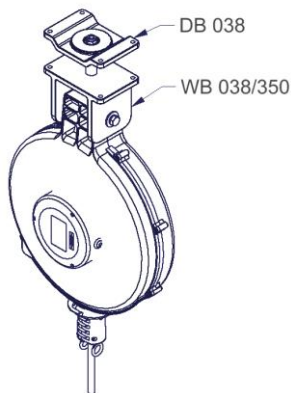
To the attention of

Tighten screws (with spring ring and underlay) at the top and bottom with torque 40Nm

Wall holder WB 038 is included in the scope of delivery, but no fastening screws.

Ceiling mounting with universal holder WB 038 / 350 and DB 038

Ceiling holder DB 038



The cable reel can be rotated by 360°



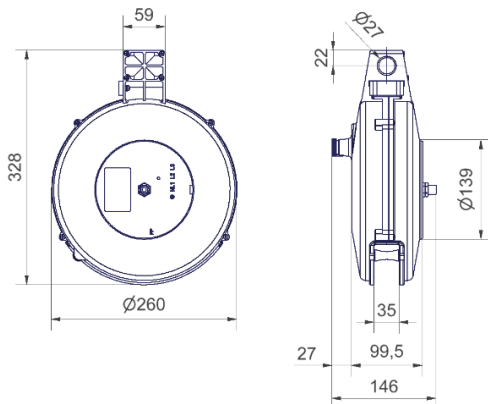
Attention

in case of multiple overturns, the connecting cable can be mechanically loaded and, if necessary, torn off.

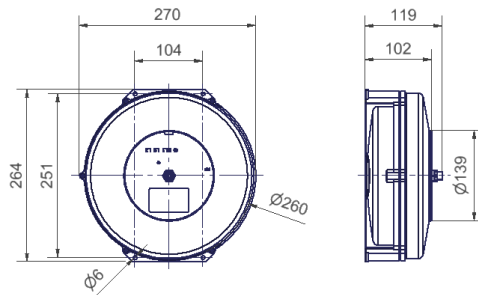
The ceiling holder DB 038 is not included and is available as an accessory.

DIMENSIONS

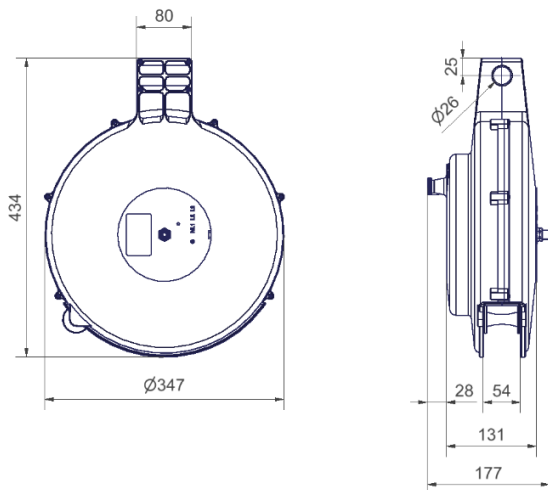
ST 260



EST 265



ST 350



The dimensions, weights, lengths, colours and traction are subject to modifications. We cannot rule out discrepancies and we reserve the right to make technical changes to the product without giving advance notice.

TIGHTENING TORQUE

Gehäuseschrauben <i>cover screws</i>	0,8 Nm
Achsschraube <i>axle screw</i>	1 Nm
Strain <i>strain relief</i>	0,8 Nm
Hosestopper <i>Cable stopper</i>	0,8 Nm

electrical connections <i>electrical connections</i>	0,5 Nm
MS grinding ring nut M3,5 <i>MS slip ring nut M3,5</i>	0,3 - 0,35 Nm
MS Grinding Ring Screw M3 <i>MS slip ring screw M3</i>	0,6 - 0,7 Nm

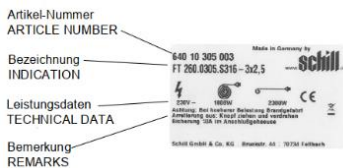
DECLARATION OF CONFORMITY

Declarations of conformity can be found under <http://www.schill.de/downloads> or obtained on request (see "CONTACT")

ERSATZTEILBESTELLUNG

If you have any questions about spare parts, please contact our technical sales department (see "KONTAKT"). Please enter the product type / built-in version or the item number of the product in your request.

To find out which installation version you have, you can take this information from the label on the lid for the connection.



CONTACT

Administration Fellbach

Schill GmbH & Co. KG
Bruck Straße 44
70734 Fellbach
Telefon: [+49 \(0\)711 578807-0](tel:+4907115788070)
Telefax: [+49 \(0\)711 578807-44](tel:+49071157880744)
E-Mail: info@schill.de

Manufacture Laichingen

Schill GmbH & Co. KG
Hirschstr. 81
89150 Laichingen
Telefon: [+49 \(0\)7333 9648-0](tel:+490733396480)
Telefax: [+49 \(0\)7333 9648-44](tel:+4907333964844)
E-Mail: info@schill.de