

# ROTO CLEAR

 S3

Replacement kit

The original  
reinvented





A clear view of the production processes under the toughest milling conditions. The spinning window is an approved system to keep inspection window clean and thus to ensure continuous control of work flow. Rotoclear is suitable for all kinds of metal cutting machines such as turning centers, milling machines, including machining centers and test stands.

A rotating disc flings off striking coolants and cuttings, whether water-soluble or water-insoluble. This enables the operator to have a clear view into the processing area at all times – thus guaranteeing safety according to the applicable safety regulations.



Lowest installation height in the world

Maximum field of view

Revolutionary drive concept

Rotor can be changed in less than a minute

Easy to retrofit

## History

### Rotoclear S (P1620)

is no longer in production, and only spare parts are still available.

### Rotoclear S2 (P10850)

is compatible with the predecessor Rotoclear S and only differs in terms of installation depth. It also requires a 282mm cutout in the window. It will only remain partially available for special applications. Spare parts are available.

### Rotoclear S3 (P11500)

is optimized for the latest conditions in tool machines and offers advantages as compared to the Rotoclear S / S2 and competing products. The device is mounted to the machine window by a bonding or screw flange.

Rotoclear S3 does not require a cutout in the window.

The machine window's safety function is retained, but the device is not compatible with Rotoclear S / S2.

## Update

If you have a 282 mm cutout in the window for Roto-clear S / S2, then there are two options:

1. For safety reasons, the machine window must be replaced on a regular basis. If necessary, obtain information from the tool machine manufacturer. If a replacement is coming up, order a new window without a cutout and either install the

### Rotoclear S3 – Bonding version

Complete package with installation accessories for mounting with adhesive flange on laminated safety glass or polycarbonate panes

**Order number: 76316**

or the

### Rotoclear S3 – Screw version

Complete package with installation accessories for mounting with screw flange for polycarbonate panes

**Order number: 76314**

2. If a replacement is not coming up, the Rotoclear S3 can be installed in the cutout in the window with the help of a special adapter.

# Kit Replacement for S+S2

Suitable for windows with 282 mm cutout.

The kit "Replacement for S and S2" fits panes with a thickness of 6-17 mm. You will need 40 mm of space behind the pane. Be especially sure to check this if

Rotoclear S / S2 Type 500 had previously been installed. If Rotoclear S / S2 Type 600 was used, then installation can be carried out without trouble.

## **Order number: 93558**

Total weight incl. packaging: 7.4 kg

Packaging dimensions: 35x32x14 cm

Included in delivery:

- 1x Rotoclear S3 – Basic unit (rotor and stator)
- 1x Adapter flange (6-17mm clamping range)
- 1x Flange for machine window
- 1x Flange for safety pane
- 1x Power cable (10m, 2 x 0.75mm<sup>2</sup>)
- 10x Cylinder head screw (M5x25 TX10 VA super-flat head)
- 24x Cylinder head screw M5x16
- 12x Cylinder head screw M5x20
- 12x Cylinder head screw M5x25
- 1x Safety pane 2 years
- 1x Cable bushing M16x1.5
- 1x Operating manual DE-EN

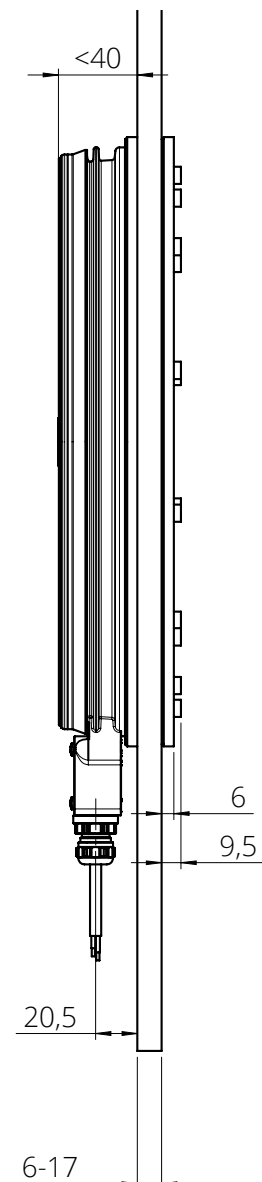
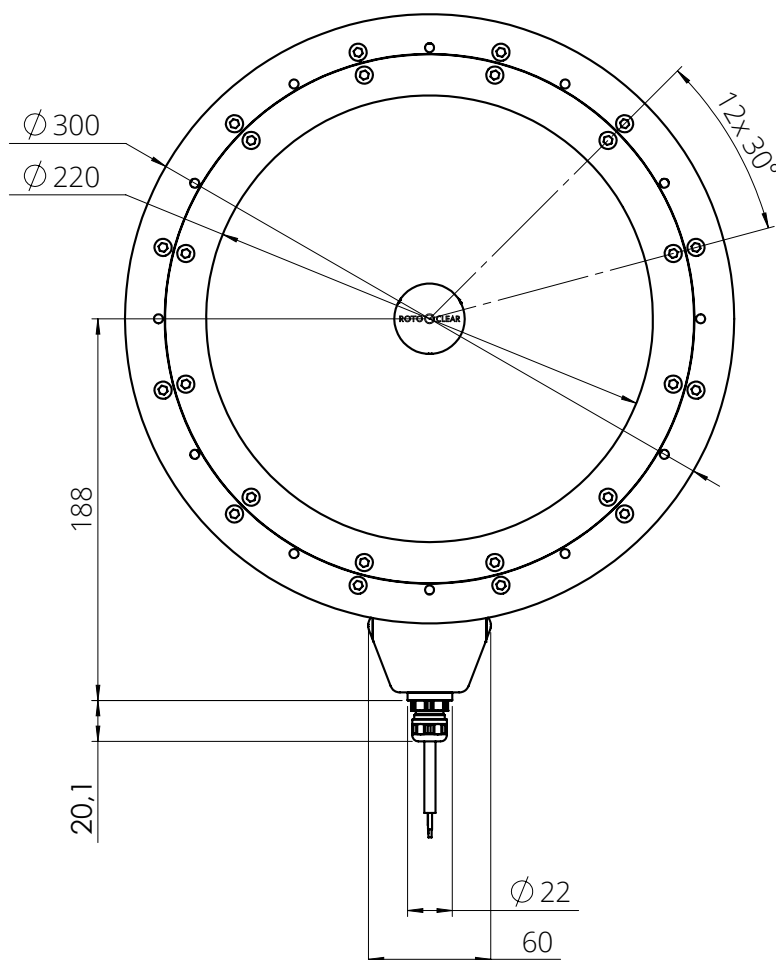
If you have to replace the machine window at a later point in time due to the replacement interval, order the new window without the 282 mm cutout. You can install Rotoclear S3 the conventional way – without the adapter flange – on a new pane. A compressed air supply will be necessary in this case.

Contact us for advice and the necessary accessories.

## Installation

Nearly every Rotoclear S or S2 can be replaced with the kit „Replacement for S and S2“. It is compatible with Type 600, which is being replaced completely. Type 500 can be replaced if at least 40mm of installation space is available.

Rotoclear S / S2 Type 500 is connected externally. You can use the cable bushing to run the cable through the polycarbonate pane.



## Spare parts and accessories

Additional accessories are needed for certain installation situations.

You will also find the right spare panes for replacing the safety panes used.

### Cable bushing

If old power connection for Rotoclear S / S2 Type 500 is used.

Fits panes or plates of thickness 2-17mm

**Order number: 98589**

### Spacing ring 3mm

For installation in sheet metal so that the adapter can also be used for wall thicknesses thinner than 6 mm.

**Order number: 60837**

### Safety pane 2 years

Replacement interval of 2 years

Ø235 x 12 mm

**Order number: 10859**

### Safety pane 5 years

Replacement interval of 5 years

Ø235 x 12 mm, laminated double-sided

**Order number: 18075**

Rotoclear S3 as replacement for S and S2 is operated without sealing air. This will suffice in almost all cases. However, if the conditions are too extreme, then sealing air supply can be retrofitted at

any time. A pressure gauge and control valve are available for precise sealing air adjustment so that the pressure needed at the stator can be set precisely.



## Special-purpose solutions

Special-purpose kits for the installation of Rotoclear into a sheet metal wall or into a curved window are available.

For further information or technical advice regarding installation, do not hesitate to contact us or visit us on [www.rotoclear.com](http://www.rotoclear.com).

## Orders

### Sales/Marketing

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### Sales partners

[rotoclear.com/distributors](http://rotoclear.com/distributors)

## Delivery periods

All products are usually available from stock and can be delivered

within one work week. Please enquire separately for larger quantities.

## Shipping and terms

Prices do not include VAT/sales tax.  
Payment net within 30 days.

Within the EU: Free delivery (CIP)  
Worldwide: Delivery ex works incl. packaging (EXW)

Our General [Terms of Sale and Delivery](#) apply exclusively. Any other terms shall be void and null.

Warranty: 1 year from date of delivery (not on wear parts)

Country of manufacture: Germany  
Customs goods number (statistical goods number): 76101000  
For EU (except Germany):  
Tax-free intra-Community delivery

Price list valid from April 1st 2018

Great perspective  
for your component

