

# RGG 20

Cleaning unit



Superior Clamping and Gripping



## 2 Basic safety notes

### 2.1 Appropriate use

- The product is used for spraying clamping devices, workpieces and similar objects. The product can be used in any machine with compressed air or coolant supply via the toolholder mounting to assist in cleaning the machining area.
- The product is intended for industrial use.
- The product is intended for installation in a machine/automated system. The applicable guidelines for the machine/automated system must be observed and complied with.
- The product may only be used and operated within the scope of the technical data and the specifications in this manual, ▶ 3 [Page 1].

### 2.2 Inappropriate use

- The product is not being used as intended if:
  - The information in the technical data is not observed when using and operating the product ▶ 3 [Page 1].
  - The maintenance and storage instructions are not observed ▶ 7 [Page 2].
- The product is used in a heat shrink toolholder.

4

## 3 Technical data

Dead weight [kg]	0.1
Max. speed of rotation [RPM]	100
Operating temperature range [°C]	-10 ... +90
Max. pressure [bar]	80
Compatible toolholders	TENDO, WELDON

### Permissible pressure media

Hydraulic medium	Coolant
Hydraulics quality	filtered, max. particle size 30 µm
Pneumatic medium	Compressed air
Compressed air quality	according to ISO 8573-1: 7:4:4

### Tightening torques

Locking screw	2 Nm
Throttle insert	2 Nm

7

## 1 General

### 1.1 Definition of terms

The term "product" replaces the product name on the first page in this manual.

### 1.2 About this manual

This manual is part of the product and contains important information for safe and correct use. It must be kept accessible at all times. Personnel must have read and understood this manual before starting any work. All safety notes and the associated specifications in particular must be observed and complied with. Illustrations may differ from the actual design.

### 1.3 Applicable documents

- General terms of business
  - Catalog data sheet of the purchased product
- The other applicable documents can be downloaded from [schunk.com](http://schunk.com).

### 1.4 Warranty

The warranty is valid for 24 months from the date of delivery from the production facility if the product is used as intended and in compliance with the prescribed operating data.

Wear parts and parts that come in contact with the tool or machine are not covered by the warranty.

2

### 2.3 Ambient conditions and operating conditions

The ambient and operating conditions must correspond or be adapted to the version of the product and the specifications in the technical data.

### 2.4 Structural changes, spare parts

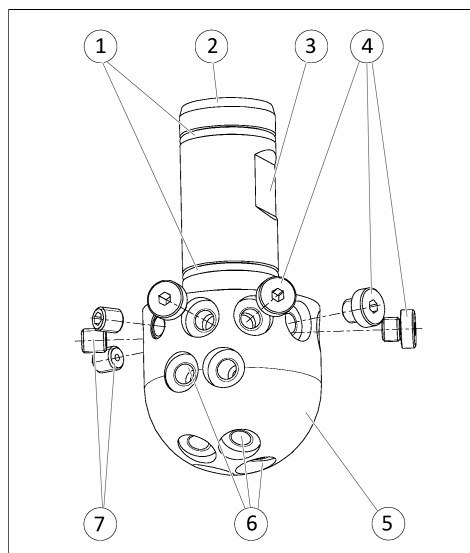
Structural changes such as modification and reworking, e.g. additional threads, bore holes or attachments, may only be carried out with the written approval of SCHUNK. Only use original spare parts and spares authorized by SCHUNK.

### 2.5 Notes on safe operation

- The operational safety and function of the product must not be impaired by external influences.
- Use product as intended.
- Follow the safety and installation instructions.
- Rectify malfunctions as soon as they occur.
- All repair work must be performed by SCHUNK.
- Maintain and service the product on a regular basis.
- Follow the country-specific applicable safety, accident prevention, and environmental protection regulations for the application field of the product.

5

## 4 Design



8

## 1.5 Illustration of warnings

### ⚠ WARNING

#### Dangers for persons!

Non-observance can lead to irreversible injury and even death.

### ⚠ CAUTION

#### Dangers for persons!

Non-observance can cause minor injuries.

### CAUTION

#### Material damage!

Information about avoiding material damage.

## 1.6 Scope of delivery

- Product
- Assembly and Operating Manual

3

## 2.6 Personnel qualifications

- All operations may only be carried out by personnel that are qualified and instructed for the respective operation.
- Personnel qualifications must comply with the on-site country-specific requirements and laws.

## 2.7 Personal protective equipment

- When working on and with the product, follow the respective country-specific legal requirements for occupational health and safety, and wear the necessary personal protective equipment.
- Follow country-specific accident prevention regulations and the general safety notes.

## 2.8 Transport

To avoid product damage, the transport and handling of the product must be adapted according to the version, weight and packaging of the product. If necessary, use additional aids.

6

- ① O-rings for sealing the shank
- ② Shank with bore hole for media supply
- ③ Clamping face for clamping the shank in the toolholder
- ④ Locking screws for closing unneeded nozzles
- ⑤ Housing with ball head and nozzles; ball head rotates when the machine tool spindle moves
- ⑥ Nozzles for producing cleaning jets
- ⑦ Throttle inserts for changing the cleaning jet

9

