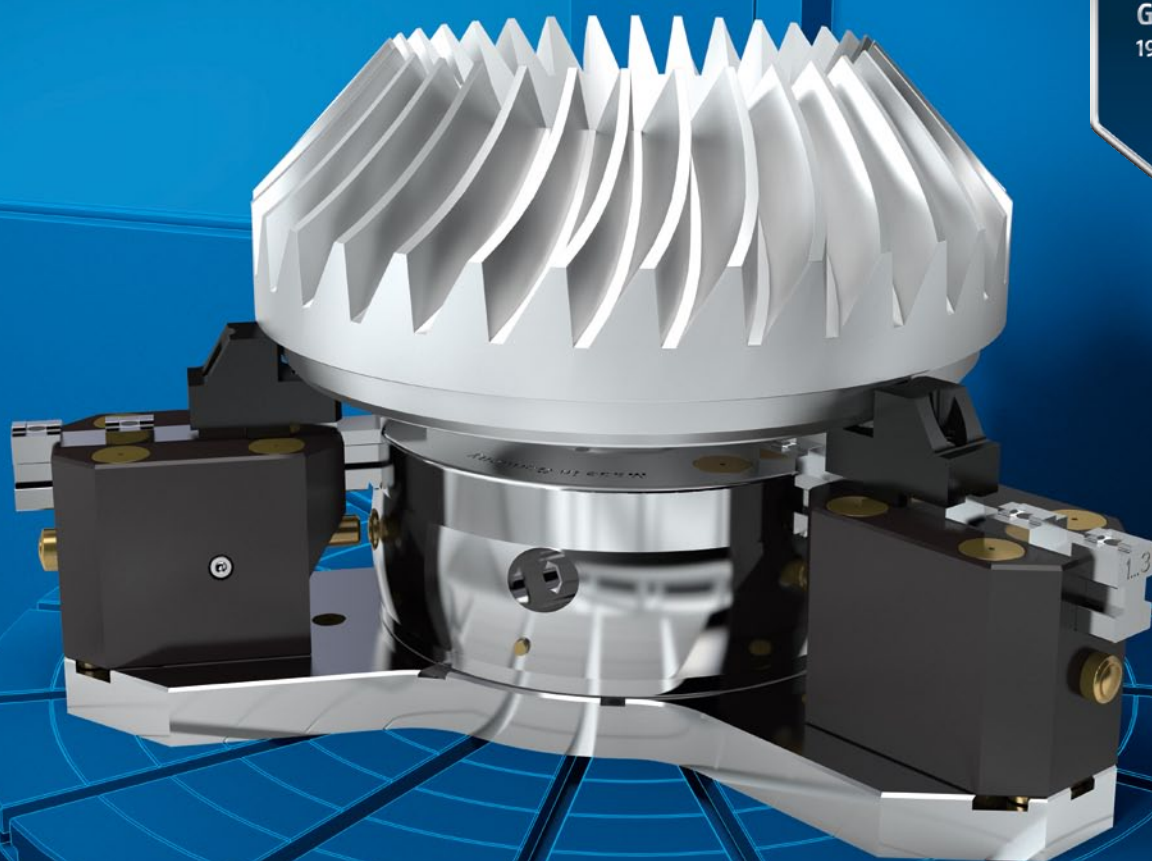


30 Years

SCHUNK

Grippers

1983 – 2013



Superior Clamping and Gripping



## ROTA-S *flex* Manual Chucks

The very light and versatile large chuck  
for mill/turn machines

VADZA

[www.vadza.com](http://www.vadza.com) / [info@vadza.com](mailto:info@vadza.com)



## Superior Clamping and Gripping

Jens Lehmann stands for precise gripping, and concentrated safe holding. As a brand ambassador of the SCHUNK team, the No. 1 goalkeeper communiates our global competence leadership for clamping technology and gripping systems. The top performance of SCHUNK and Jens Lehmann are characterized by dynamics, precision, and reliability.

For more information visit our website:  
[www.gb.schunk.com/Lehmann](http://www.gb.schunk.com/Lehmann)

*J. Lehmann*  
Jens Lehmann





Henrik A. Schunk Kristina I. Schunk, brand ambassador Jens Lehmann, and Heinz-Dieter Schunk

## Top Performance in the Team

SCHUNK is the world's No. 1 for clamping technology and gripping systems – from the smallest parallel gripper to the largest chuck jaw program

To boost their efficiency, SCHUNK customers have bought more than 2,000,000 precision toolholders, 1,000,000 gripping modules, and 100,000 lathe chucks and stationary workholding systems so far.

This makes us proud and motivates us to attain new top performances.

As competence leader, we recognize and develop standards with a large potential for the future, which will drive the rapid progress in many industries.

Our customers profit from the expert knowledge, the experience and the team spirit of 2,000 employees in our innovative family-owned company.

The Schunk family wishes you improved end results with our quality products

Heinz-Dieter Schunk

Henrik A. Schunk

Kristina I. Schunk

## ROTA-S flex Manual Chucks

# Extremely low weight. Extremely versatile gripping.

### Concentrate on what's important – on your workpiece!

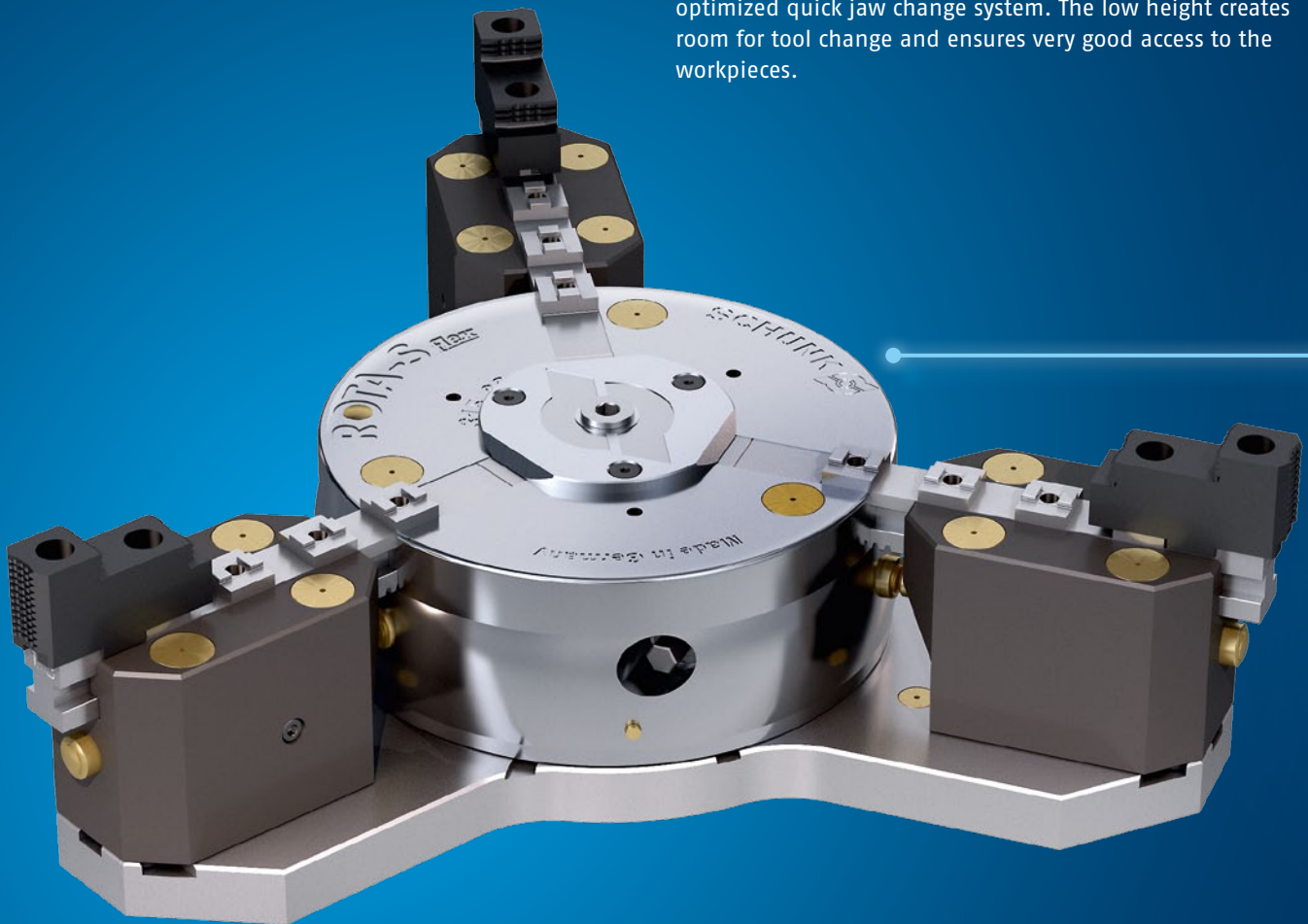
The ROTA-S plus and ROTA-S plus 2.0 manual chucks from SCHUNK have been successfully put to use more than 10,000 times. The ROTA-S flex version now defines a new dimension. Due to its low weight and versatile clamping range, the ROTA-S flex enables the complete machining of larger and heavier workpieces, setting new standards for milling and turning.

### The ROTA-S flex efficiency equation: lighter lathe chuck = heavier workpiece

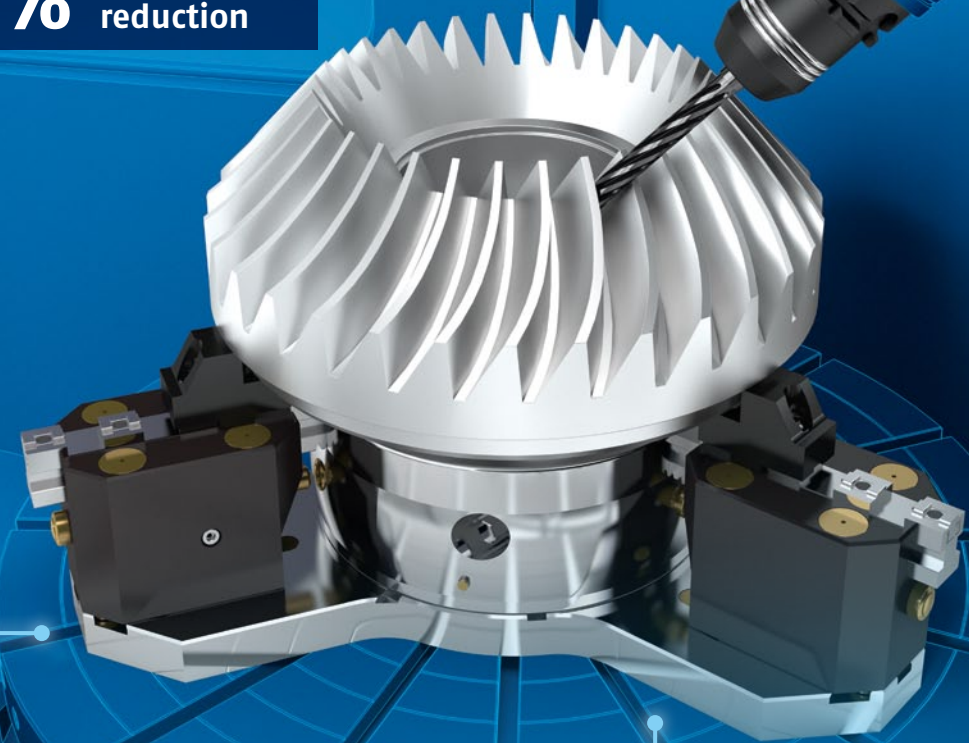
The high-efficiency classics – ROTA-S plus and ROTA-S plus 2.0 from SCHUNK – become super-light large chucks due to extended guideways. Developed especially for new, highly dynamic machine generations, they exceed their high requirements by light weight, low height, and easy accessibility of the workpieces. The unique lightweight design makes it possible to fully exploit the potential of modern table designs. Clamp greater workpiece weights and optimally utilize the maximum table load with ROTA-S flex. Become more versatile when changing from large and small workpieces and expand your machine's range many times over.

### We make you more efficient.

With ROTA-S flex, you benefit from the easy mounting on the machine table as well as the quick conversion by optimized quick jaw change system. The low height creates room for tool change and ensures very good access to the workpieces.



Up to **60%** weight reduction



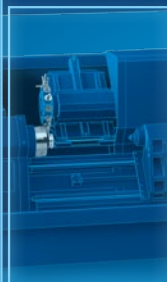
Automated handling



Automated handling



Lathes



Automatic machine loading



Machining center



Modular assembly automation



Mobile gripping systems



# Superior Clamping and Gripping – It's time to make use of your machine's full potential!

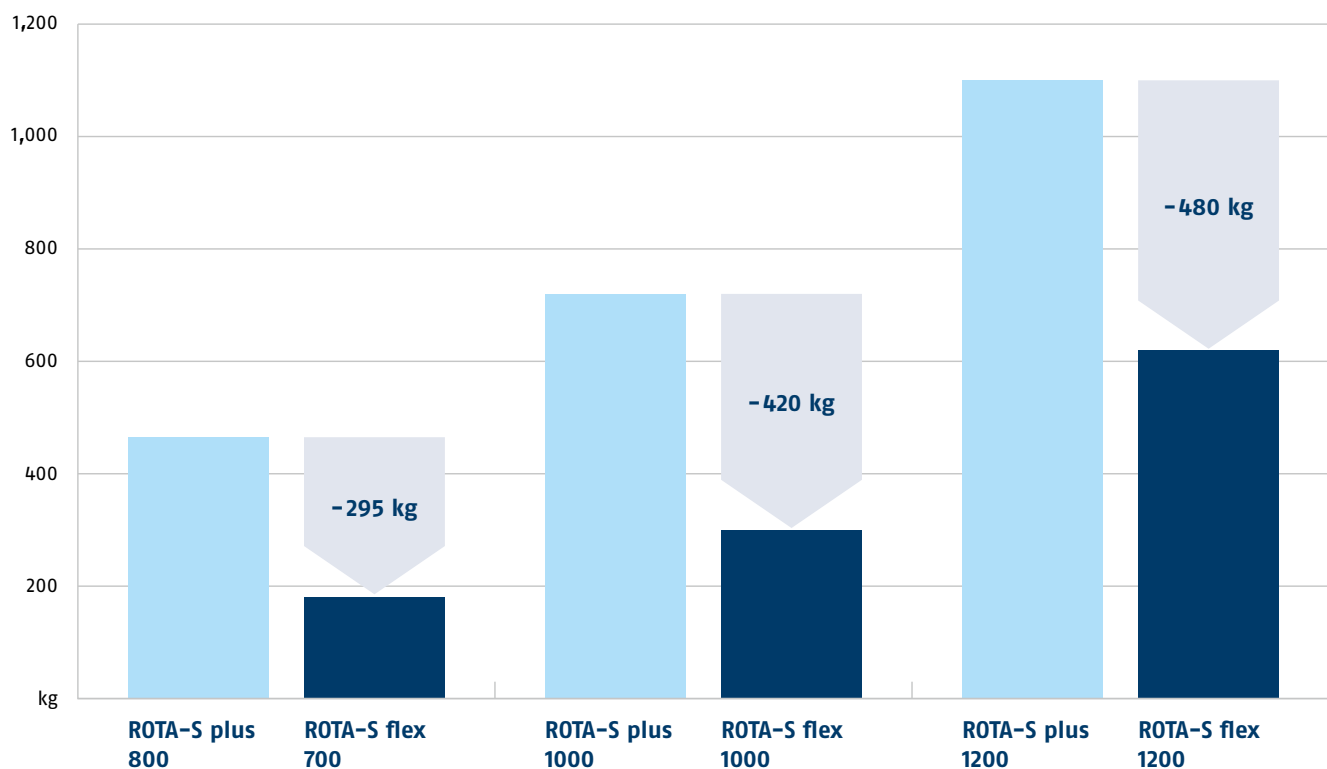
With superior components, we find potentials where you would never expect to find them. In your machine. SCHUNK synergy – the perfectly harmonized interplay of clamping technology and gripping systems makes our customers a champion of productivity.

## Our technology for boosting your efficiency.

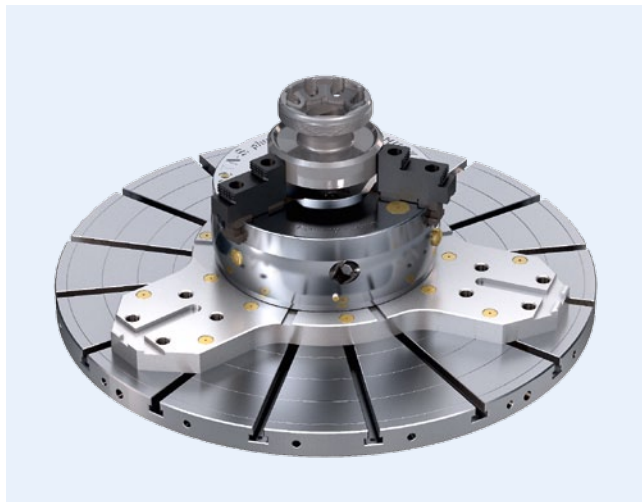


<b>Lighter</b>	Weight reduced up to <b>60%</b> by lightweight design
<b>More versatile</b>	<b>100% more versatility</b> with extended guideways
<b>More precise</b>	<b>Precise and simple assembly</b> of the guideways
<b>Simpler</b>	Quick to put in use due to <b>simple assembly</b> on the machine table
<b>Quicker</b>	<b>Speedy re-equipping</b> due to clever jaw system
<b>More reliable</b>	<b>Optimized lubrication system</b> for consistently high clamping forces
<b>Improved sealing</b>	<b>Optimized dirt seal</b> for vertical machines

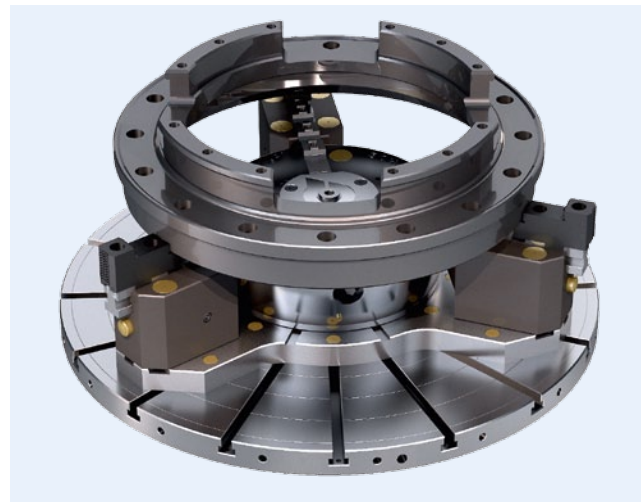
## Our lightweight design. Your add-on for workpiece weight. Weight reduction by ROTA-S flex compared to ROTA-S plus.



# Extra light for heavy workpieces. With maximum flexibility.



**ROTA-S flex.**  
For small workpieces with optimal accessibility.

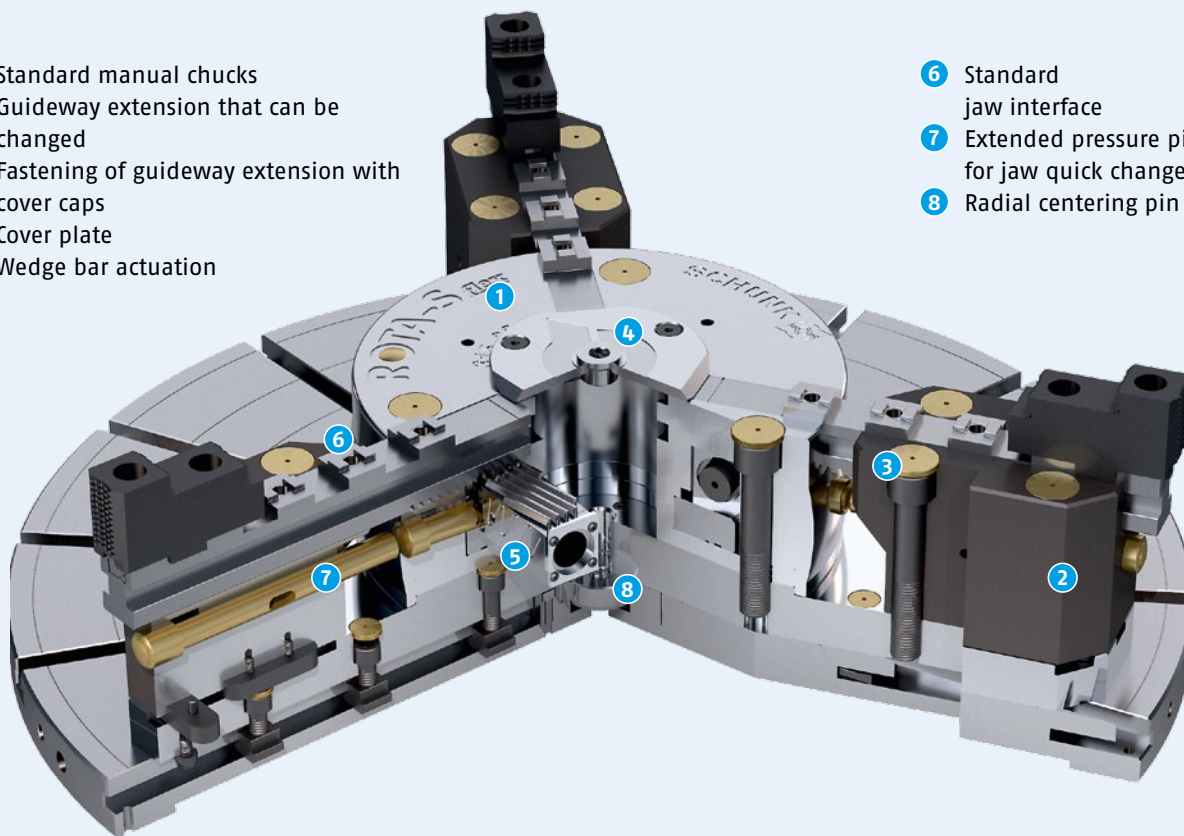


**ROTA-S flex with extended guideways.**  
For large workpieces with maximum utilization of machine space and permitted total weight.

## Sectional diagram of function

- 1 Standard manual chucks
- 2 Guideway extension that can be changed
- 3 Fastening of guideway extension with cover caps
- 4 Cover plate
- 5 Wedge bar actuation

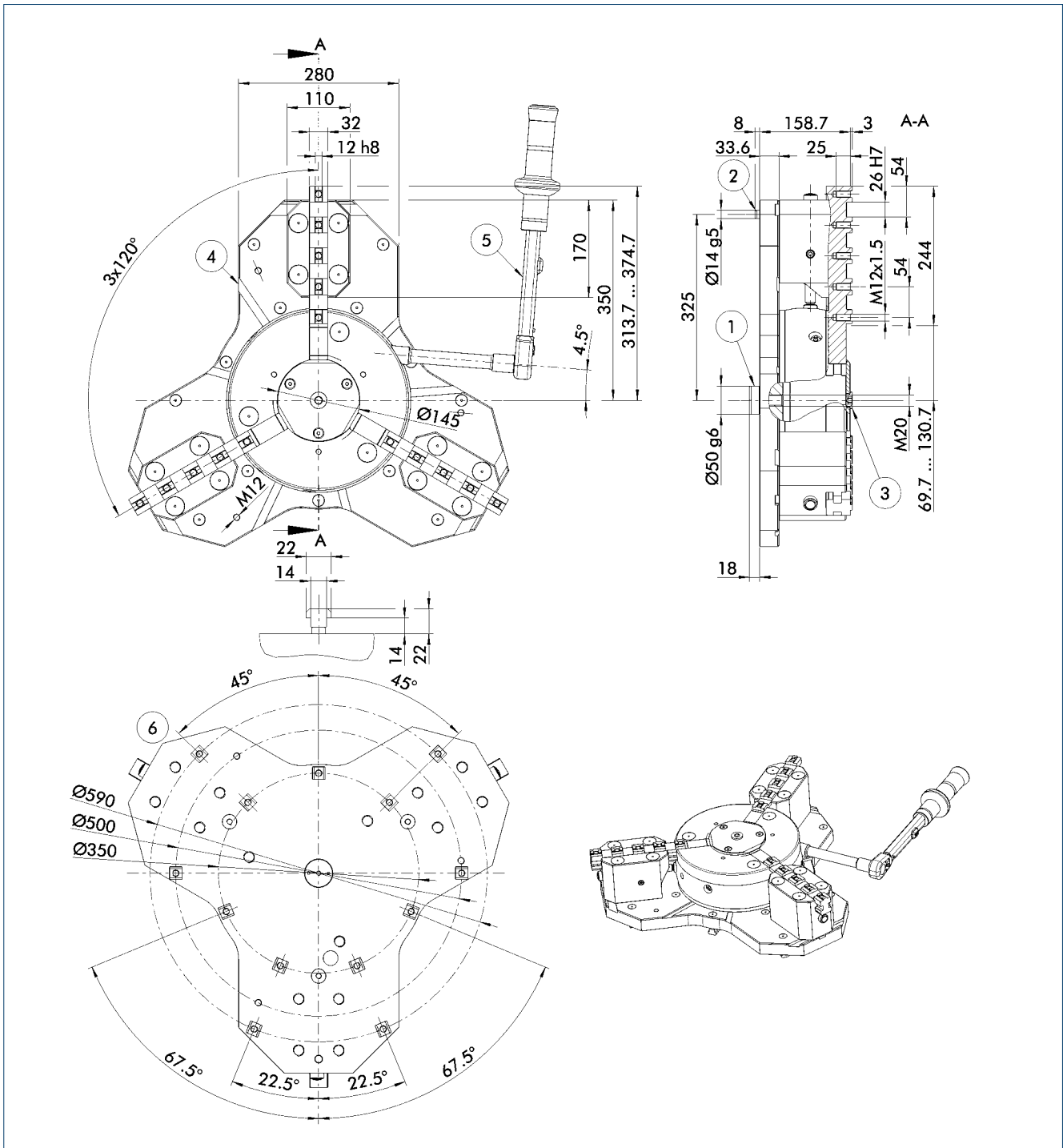
- 6 Standard jaw interface
- 7 Extended pressure piece for jaw quick change
- 8 Radial centering pin



# ROTA-S flex 700

Clamping diameter	Toolholder size used	ID	Actuating force	Max. jaw clamping force	Clamping range with extended guideways*	Clamping range without extended guideways*	Weight without top jaws	Max. speed	Stroke per jaw	Max. rotary table torque
[mm]			[Nm]	[kN]	[mm]	[mm]	[kg]	[rpm]	[mm]	[Nm]
700	ROTA-S plus 2.0 315	0814820	210	180	130 – 680	14 – 333	170	800	9.7	2,000

\* based on SCHUNK SHF top jaws

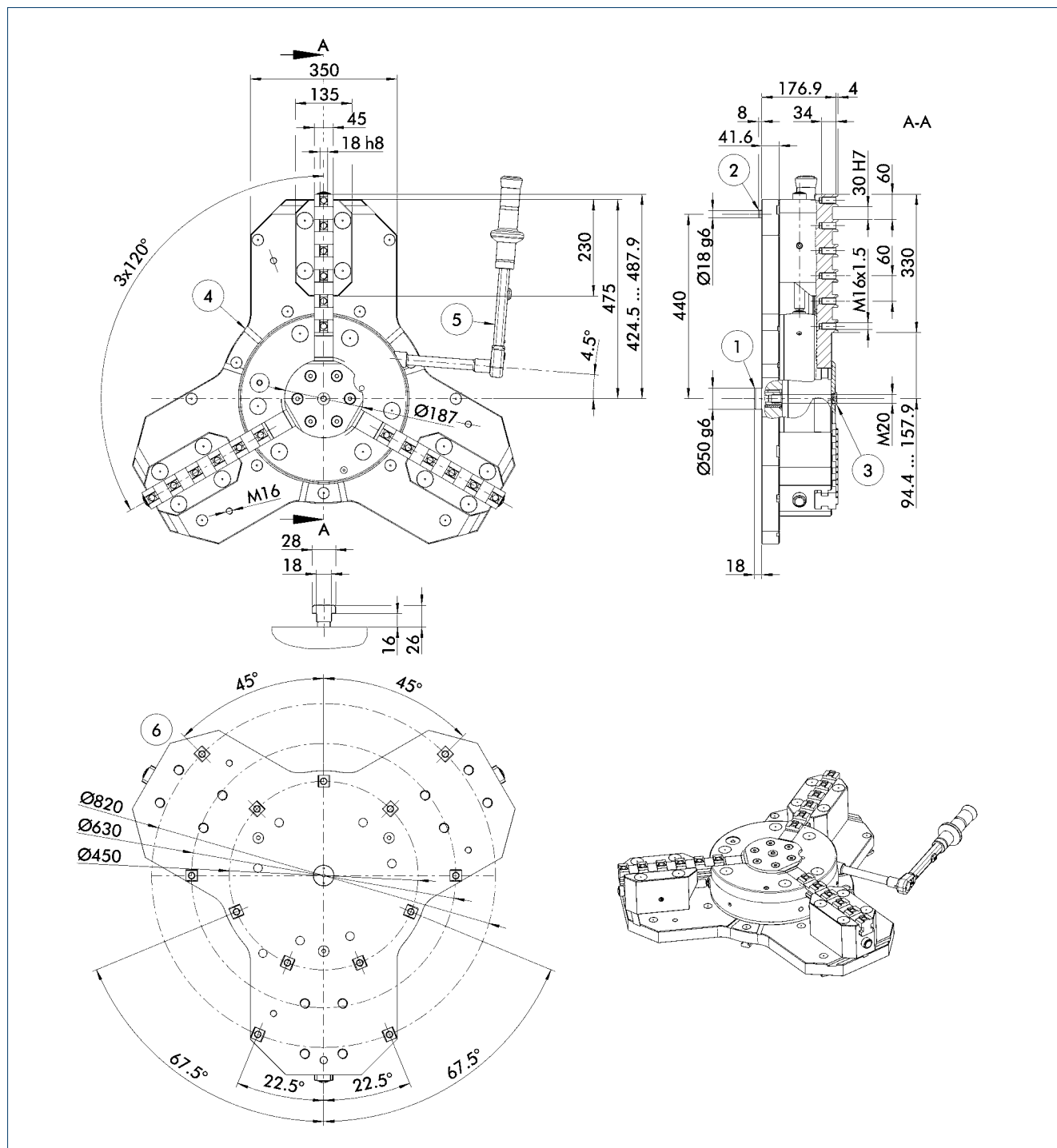




# ROTA-S flex 1000

Clamping diameter	Toolholder size used	ID	Actuating force	Max. jaw clamping force	Clamping range with extended guideways*	Clamping range without extended guideways*	Weight without top jaws	Max. speed	Stroke per jaw	Max. rotary table torque
[mm]			[Nm]	[kN]	[mm]	[mm]	[kg]	[rpm]	[mm]	[Nm]
1,000	ROTA-S plus 400	0814830	280	230	160 – 980	20 – 408	360	500	12	2,000

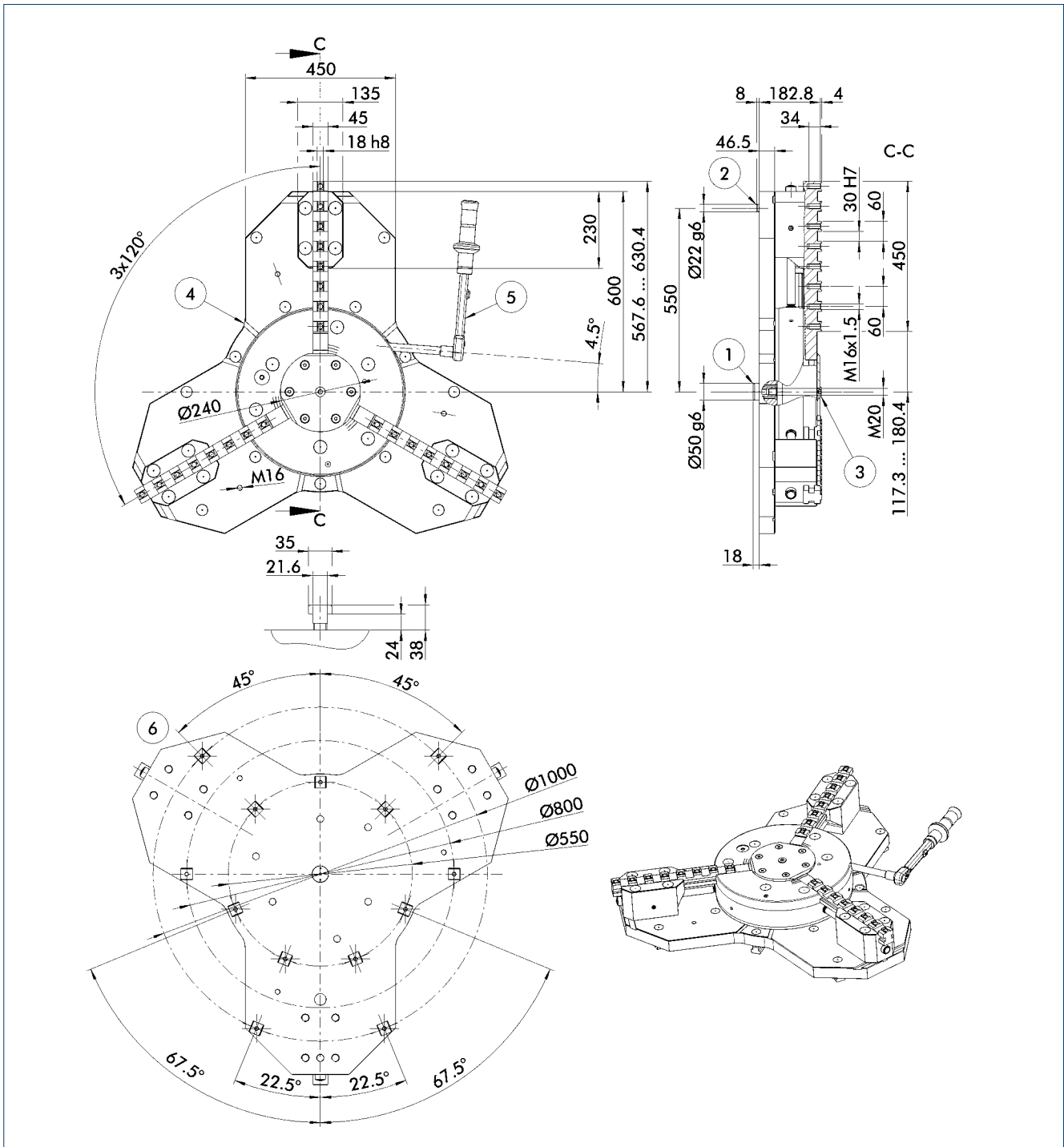
\* based on SCHUNK SHF top jaws



# ROTA-S flex 1200

Clamping diameter	Toolholder size used	ID	Actuating force	Max. jaw clamping force:	Clamping range with extended guideways*	Clamping range without extended guideways*	Weight without top jaws	Max. speed	Stroke per jaw	Max. rotary table torque
[mm]			[Nm]	[kN]	[mm]	[mm]	[kg]	[rpm]	[mm]	[Nm]
1,200	ROTA-S plus 500	0814840	320	270	180 – 1,180	52 – 490	490	450	12	2,000

\* based on SCHUNK SHF top jaws



# The world's largest range of chuck jaws will convince you.

With more than 1,200 different types, this is the world's largest standard chuck jaw program for any conceivable use on lathe chucks. More than 15 million standard chuck jaws have been delivered by SCHUNK since 1966, and are being used all over the world. About 60,000 customized solutions

for workpiece clamping round off our product portfolio. See for yourself that we offer the greatest possible reliability, safety, functionality, precision, and individuality.



## The new SCHUNK chuck jaw app – available anywhere and anytime

Our new app for your smartphone means the entire SCHUNK standard jaw range is always on hand and can be ordered quickly. Available in the App Store or Google Play.





*J. Lehmann*

Jens Lehmann, German goalkeeper legend,  
brand ambassador of SCHUNK,  
the family-owned company, since 2012  
[www.gb.schunk.com/Lehmann](http://www.gb.schunk.com/Lehmann)

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