

SCHUNK  
Grippers

proven  
since 1983



Available online  
starting January 2015

Superior Clamping and Gripping

**SCHUNK** ®

 **eGRIP**  
SCHUNK Finger Designer

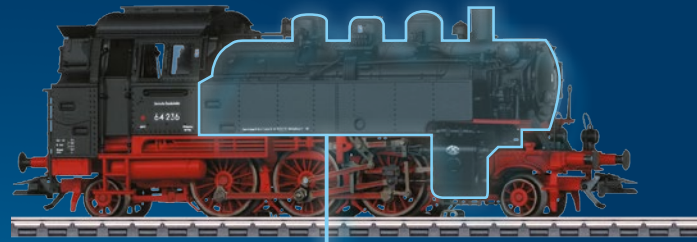
The world's first fully automatic,  
web-based 3D Design Tool for  
additive manufactured Gripper Fingers

# Fast and individual.

The shortest way to get optimal gripper fingers.

## An example.

With SCHUNK eGRIP you can easily implement **form-fitting finger geometries** – especially those that are difficult or impossible to manufacture with machining processes.



### Cast-iron workpiece

Steam boiler for a model railroad locomotive



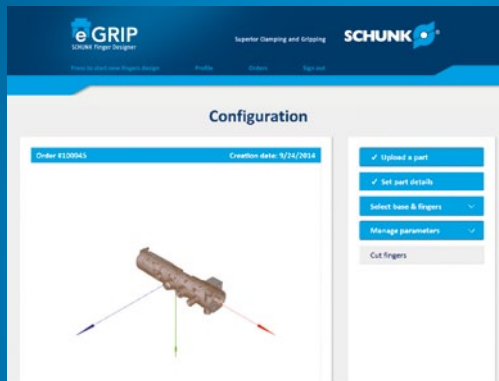
✓ Upload a part

Online design and webshop order in

15 minutes



Delivery in 1 week



## eGRIP

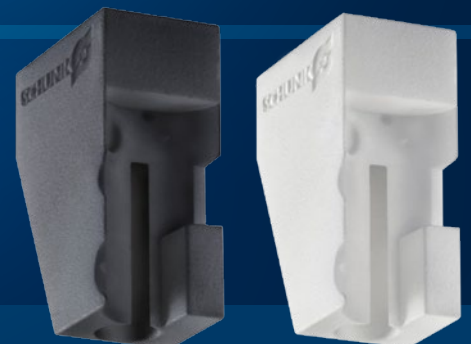
SCHUNK Finger Designer

Simply upload the **STEP** or **STL** file for the workpiece. Supply **specific data**, for example the **weight**, the **installation position of the gripper** and the **finger length**.

SCHUNK eGRIP designs custom gripper fingers with the **optimal 3D contour** and a detailed offer including **price and delivery time**.

The outer contour created with **SCHUNK eGRIP** for the generated components, consisting of gripper, top jaws and workpiece, can be downloaded **free of charge** as an **STL file** and used directly for the **system design**.

With SCHUNK eGRIP you receive custom SCHUNK gripper fingers fast.



# Gripper Fingers at the Press of a Button.

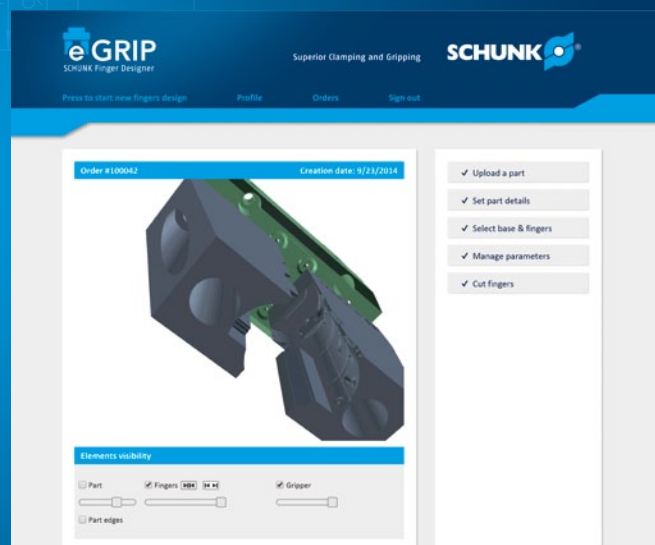
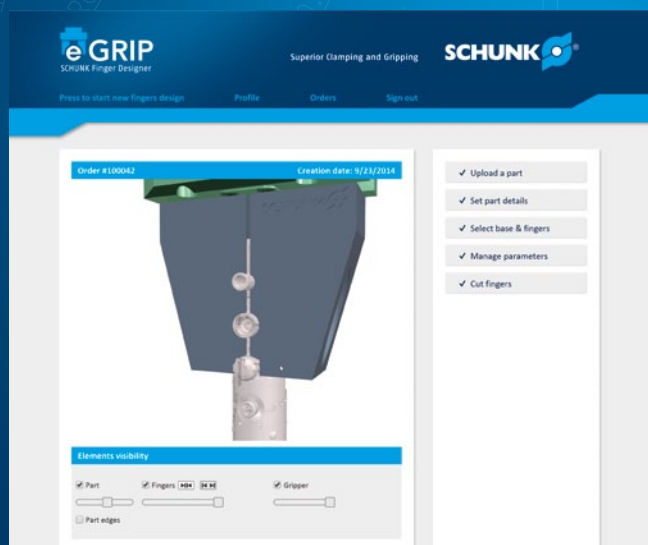
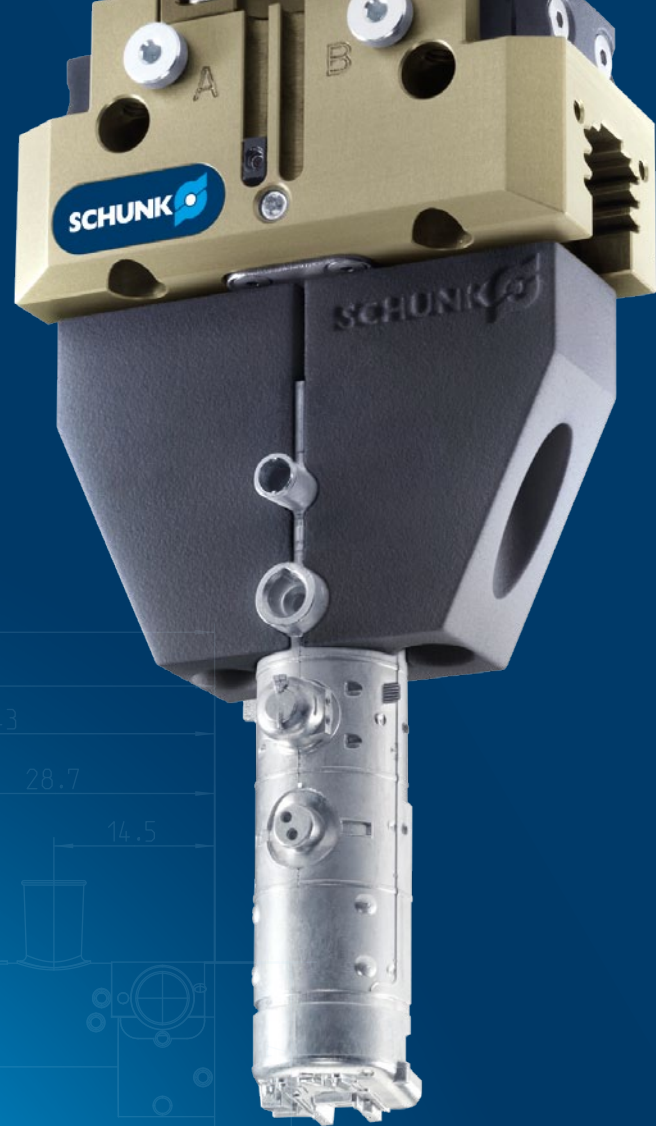
Designed and ordered in 15 minutes.

**The world's first fully automatic 3D design tool for manufactured gripper fingers.**

The **license-free, browser-based web tool SCHUNK eGRIP** from the competence leader for clamping technology and gripping systems **reduces the design and ordering time** for customized gripper fingers to only **15 minutes**.

**Only minimal data** and a few **steps** are needed. Then **SCHUNK eGRIP** automatically designs custom gripper fingers with the **optimal 3D contour** and prepares a detailed offer including the **price and delivery time**. **SCHUNK eGRIP can calculate even complex geometries** very quickly.

**The choice is yours:** order right away or save the offer for later retrieval.



## License-free. Browser-based.

SCHUNK eGRIP is a user-friendly tool that can be used without a separate CAD program and is available around the clock.

# Save automatically with SCHUNK eGRIP.

Reduce time and costs online.

## Take advantage of enormous savings of time and money.

**SCHUNK eGRIP** pays off. Usually, the more complex a part is, the more time and money needs to go into it. With **SCHUNK eGRIP** that is not the case! Instead of 2 to 8 hours of design time for each pair of fingers, **SCHUNK eGRIP** designs your fingers in only 10 minutes. You save even more with the offer and delivery times.

## Savings potential for the design of gripper fingers with complex geometry

Time for ...	Conventional	SCHUNK eGRIP	Savings with SCHUNK eGRIP
Design	2 – 8 hours	10 minutes	up to 7 hours and 50 minutes
Manufacturing / delivery time	5 – 60 hours	5 minutes	up to 59 hours and 55 minutes
Offer and order	1 – 8 weeks	1 week	up to 7 weeks

- At an hourly rate of € 100.00 you save up to **€ 800.00** per pair of gripping fingers on the engineering alone.
- On the price you can save up to **50%** more per finger compared with conventionally manufactured jaws.



SCHUNK Finger Designer – The advantages at a glance

<b>Fully automatic</b>	The <b>first fully automatic design</b> tool for gripper fingers worldwide.
<b>Intelligent</b>	<b>Engineering know-how</b> at the press of a button
<b>Easy</b>	<b>Extremely easy</b> to use
<b>Efficient</b>	Reduce the design costs for gripper fingers by up to <b>97%</b>
<b>Fast</b>	Reduce the delivery time for gripper fingers by up to <b>88%</b>
<b>Attractively priced</b>	Reduce the price for gripper fingers by up to <b>50%</b>
<b>Sustainable</b>	Lightweight fingers <b>reduce the power</b> consumption of the system and <b>enable shorter cycle times</b>

# Reduce the Workload of your Design Engineers.

Now simply design online.

**Complex geometries can be implemented very quickly.**

In the case of grippers for **small components** additive manufacturing of the gripper fingers is **especially economical**.

In assembly systems, numerous grippers with widely varying geometries are needed. The trend toward more variants and shorter product life cycles also increases the requirements for the design and production of gripper fingers.

**Relieve your design department of routine tasks through fully automated finger design with perfect know-how from SCHUNK.**



In case of a **rotary transfer table with 12 stations** and 12 different gripper pairs it is possible to **save between € 2,400.00 and € 9,600.00.**

## eGRIP

SCHUNK Finger Designer – The facts

<b>Program language:</b>	· English
<b>Currently available gripper fingers:</b>	· SCHUNK universal gripper PGN-plus, sizes 40 to 125 · SCHUNK small component gripper MPG-plus, sizes 20 to 64
<b>Material:</b>	· Polyamide 12 (PA 12), white or black, extremely wear-resistant · Polyamide suitable for use with foods (PA 2201), with FDA certification for use in medical and pharmaceutical applications
<b>Planned expansion phases:</b>	· Integration of additional series from the SCHUNK gripper portfolio
<b>Cost reduction:</b>	· Reduces the design costs for gripper fingers by up to 97%

# More than 2,500 Standard Gripper Components.

SCHUNK offers the most comprehensive portfolio of gripper products worldwide.

## SCHUNK pneumatic grippers

Small component gripper  
MPG



Universal gripper  
PGN-plus



Long-stroke gripper  
PHL



Universal centric gripper  
PZN-plus



Sealed centric gripper  
DPZ-plus



## SCHUNK electric grippers

Small component gripper  
EGP



Parallel gripper  
EGN



Long-stroke gripper  
EGA



Parallel gripper  
EGL



*J. Lehmann*

Jens Lehmann, German Goalkeeper legend, brand ambassador of SCHUNK, the family-owned company since 2012, represents precise gripping and concentrated, safe holding.  
[www.gb.schunk.com/Lehmann](http://www.gb.schunk.com/Lehmann)

SCHUNK grippers for further information:






[www.gb.schunk.com/SCHUNK-grippers](http://www.gb.schunk.com/SCHUNK-grippers)

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