

New

Additive manufactured Gripper Fingers
made of Steel or Aluminum



1945 – 2015

70 Years

Superior Clamping and Gripping



 **eGRIP**
SCHUNK Finger Designer

The world's first fully automatic,
web-based 3D Design Tool for
additive manufactured Gripper Fingers
made of Plastic, Steel or Aluminum

Gripper Fingers made of Plastic, Steel or Aluminum – 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.

You have the choice:

Order immediately or request a quotation by e-mail.



www.eгриp.schunk.com



License-free. Browser-based.

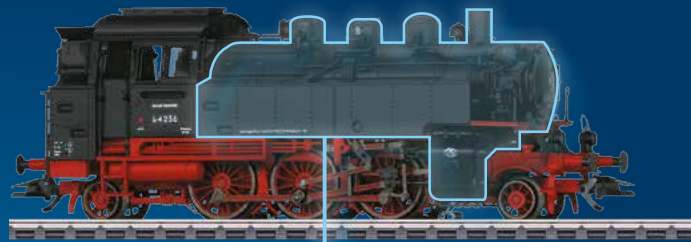
SCHUNK eGRIP is a user-friendly tool that can be used without a separate CAD program and is available around the clock.

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



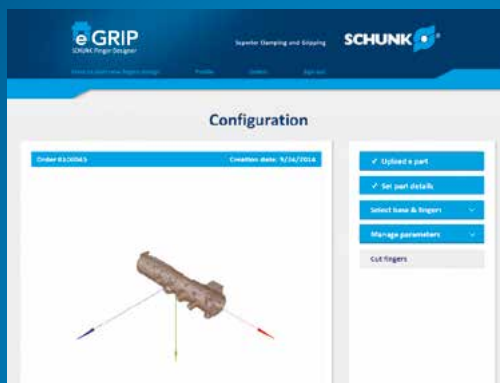
✓ Upload a part

Online design
and webshop
order in

15 minutes



Delivery in
1 week



With **SCHUNK eGRIP** you are receiving fast and individual SCHUNK gripper fingers made of polyamide, and now **NEW** made of steel or aluminum.



Steel and aluminum



Polyamide black



Polyamide white

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**.

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
Manufacturing/ delivery time steel or aluminum	1 – 8 weeks	10 working days	up to 7 weeks

* On the price you can save up to **50%** more per finger compared with conventionally manufactured jaws.

** At an hourly rate of € 100.00
you save up to **€ 800.00** per pair of gripping fingers on the engineering alone



SCHUNK Finger Designer – The advantages at a glance

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

New

Gripper Fingers made of Steel or Aluminum with integrated Lightweight Structure.

Weight reductions up to 50 Percent.

You choose the material!

You can freely choose between the materials which are individually adapted to each application. With the **SCHUNK eGRIP** ordering system, you can also order gripper fingers made of aluminum (AlSi10Mg) or stainless steel (1.4404, 30 µm or 50 µm). For the design of metal gripper fingers, **SCHUNK eGRIP** is using the technological potential of selective laser melting for optimal weight reduction and therefore saves weight.

Your advantage:

- ✓ Weight and volume reduction of up to 50% due to automatic saving of material. Hollow and grid structures are used for design
- ✓ Cost-reduction and shorter production time due to material reduction and the use of state-of-the-art production processes
- ✓ Implementation of complex finger contours for form-fit gripping, which cannot be conventionally machined or just in a very time-consuming way.

+ Weight reduction
due to integrated hollow or grid structure



SCHUNK Finger Designer – The facts

Program language:	• English and German
Currently available gripper fingers:	• SCHUNK universal gripper PGN-plus , sizes 40 to 125 • SCHUNK small component gripper MPG-plus , sizes 20 to 64 • SCHUNK small component gripper EGP, electric , sizes 20 to 50
Material:	• Polyamide 12 (PA 12) , white or black, extremely wear-resistant • Polyamide 12 (PA2201) food-safe , with FDA approval for the use in the medical and pharmaceutical industry • Aluminum (AlSi10Mg) • Stainless steel (1.4404, 30 µm or 50 µm)
Cost reduction:	• 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



SCHUNK electric grippers



J. Lehmann

Jens Lehmann, German goalkeeper legend,
SCHUNK brand ambassador since 2012
for precise gripping and safe holding.
www.gb.schunk.com/Lehmann

SCHUNK grippers
for further information:



www.gb.schunk.com/SCHUNK-grippers

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