

Checksheet - Material Removal

Please email completed form to your SCHUNK contact or material-removal@de.schunk.com

This form provides necessary, preliminary information about your application to our engineers. Please provide as much information as possible so that we can offer you a suitable solution quickly. After the sizing, our sales team will provide you an offer.

Any pictures or videos can be included as an email attachment when you return this form to your SCHUNK contact.

Customer Info:

Contact person:		Company:	
Phone:		Address:	
Email:			

Application Data:

1 Are you able to supply 6,2 bar / 90 psi shop air pressure?

2 What kind of air supply is possible?

Multiple choice is possible. Few series are suitable for oil-free operation.

☐ Lube free ☐ Lubricated

3 What material is your part?

e.g. Aluminum AlZnMgCu1,5, steel 16MnCr5, 45% glass filled polyester, ductile iron

4 Please describe your part (incl. any dimensional details):

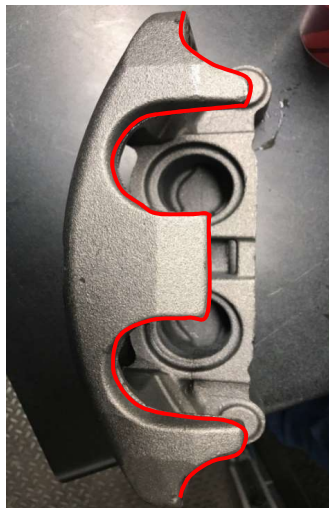
Please provide any pictures or videos available. Highlighting the areas to deburr is also very helpful. You can find good examples of pictures below.

Example pictures of part:

Raw Part



Deburr Path



Finished Part



5 What do you hope to accomplish? (e.g. Polishing? Brushing? Chamfering? Breaking sharp edges?)

6 Is there a surface finish requirement or an edge break tolerance?

7 *Deburring: What are the most common burr dimensions (Height x Width x Thickness?)

8 *Surface treatment: Are there any obstacles or peculiarities during processing?

Example pictures of burr dimensions:

Burr Thickness Measured



Burr Height Measured



Burr Height and Burr Width Defined



9 How is the part made? (e.g. casted, machined, injection molded...)

10 Is there a current process? (e.g. by hand...)

If yes: Please provide any pictures or videos available and describe the current process in detail, including any specifications of tools and other things currently being used. Is this successful?

11 Do you have a SCHUNK deburring tool or compliance direction in mind?

If so, which?

Why?

12 What payload is your robot rated for?

13 Is the unit mounted on a robot or stationary?

Do you plan to mount your deburring tool onto a robot and bring it to the part or will you hold your part with the robot and deburr it at a stationary tool?

14 Do you have any cycle time specifications? (e.g. linear feed per second, cycle time per part...)

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