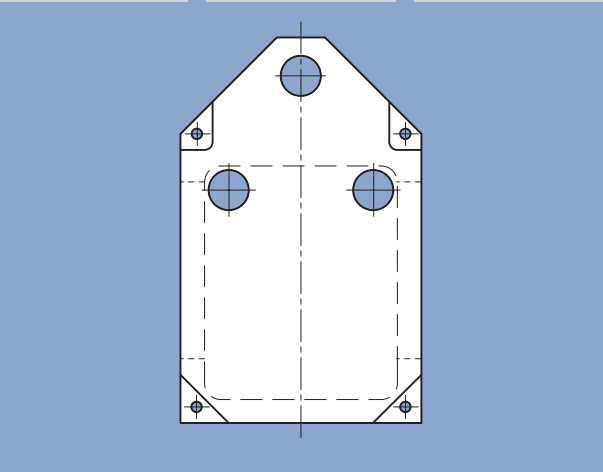
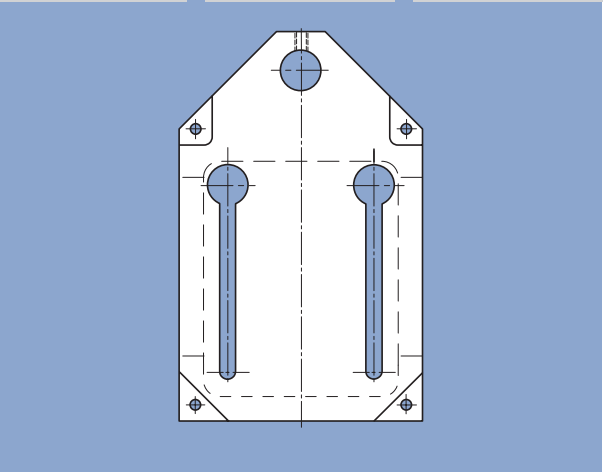


Time limit (h) **7,5** Points Grade



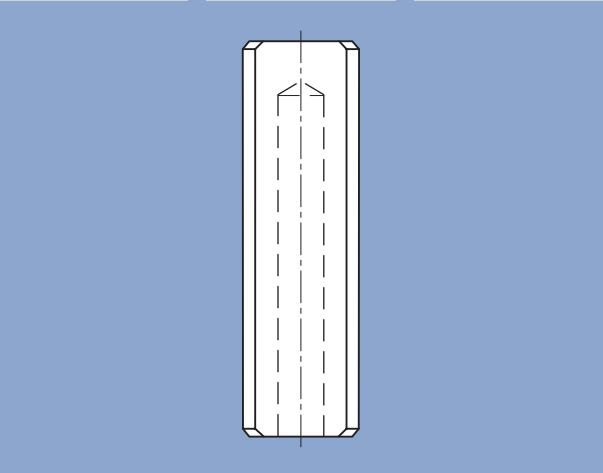
Exercise 7, Base plate

Time limit (h) **4,75** Points Grade



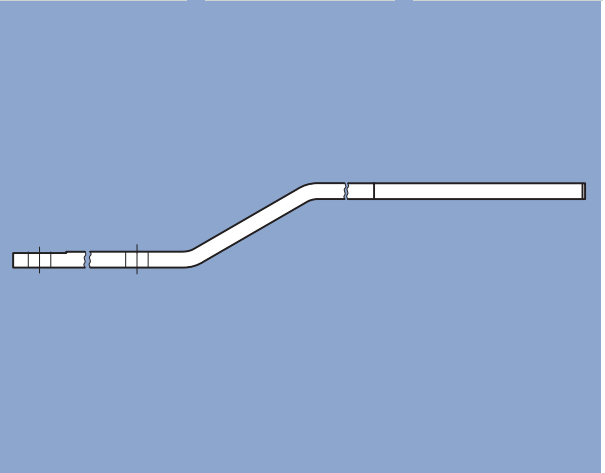
Exercise 8, Base plate

Time limit (h) **3,25** Points Grade



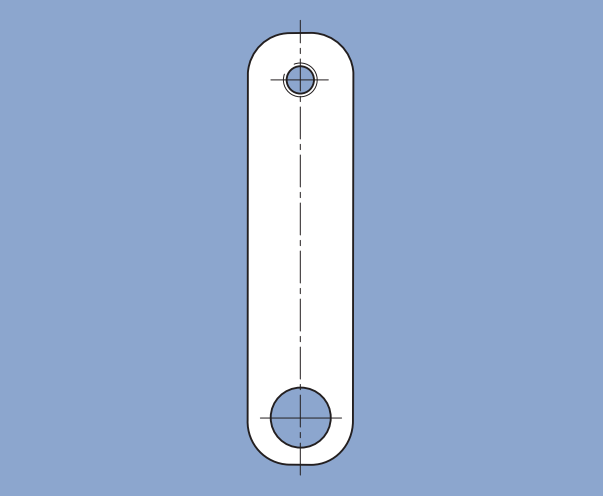
Exercise 9, Handle

Time limit (h) **6,25** Points Grade



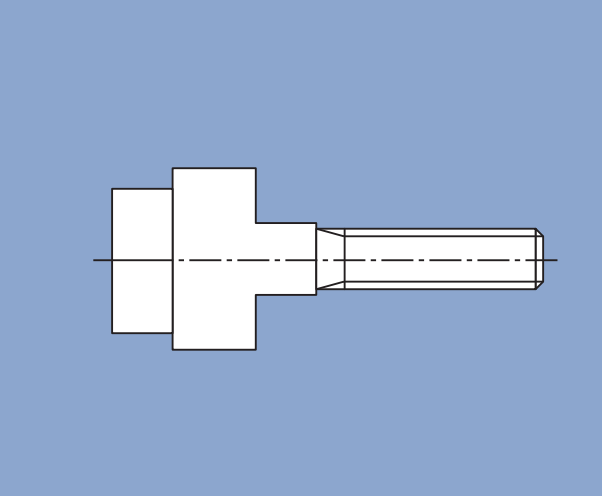
Exercise 10, Lever arm

Time limit (h) **3,75** Points Grade



Exercise 11, Bracket

Time limit (h) **7,0** Points Grade



Exercise 12, Clamping bolt

	Machine-based material processing	Metal working
	Milling	
	Overview of skills exercises	

Exercise 5

Task/Assignment: Manufacturing a drilling machine mount

- ▶ After studying the shop drawing please answer the steering questions, referring to the available resources (e.g., milling textbook, tables) if necessary.
- ▶ Create a work plan for this application within your group
- ▶ Discuss your results as well as the answers to the questions with your instructor (technical discussion)
- ▶ Afterwards, complete the drilling machine mount following your work plan
- ▶ If unexpected problems arise, try to solve them first by yourself before approaching your instructor
- ▶ Once you have completed the drilling machine fitting, check over your own work very carefully. Then, conduct a self-check of the drilling machine mount using the inspection and evaluation sheet
- ▶ Enter the actual dimensions in the inspection and evaluation sheet
- ▶ After the external evaluation, meet with your instructor for a final discussion

Notes on processing

You will find the following in your materials to complete this exercise:

- ▶ Programmed instruction method – flowchart
- ▶ Steering questions
- ▶ Shop drawing
- ▶ Work planning sheet
(see appendix for printed forms)
- ▶ Inspection and evaluation sheet
- ▶ Following discussion in your group, carry out the exercise on your own

Check to make sure your materials are complete.

	Machine-based material processing	Metal working
	Milling	Task/Assignment
	Task/Assignment	Exercise 5

Steering questions

1. Which tools are suitable for implementing the milling process in this exercise and are available in your workshop?

2. What recommended values for tooth feed and cutting speed can be determined from the tables for the tool you selected?

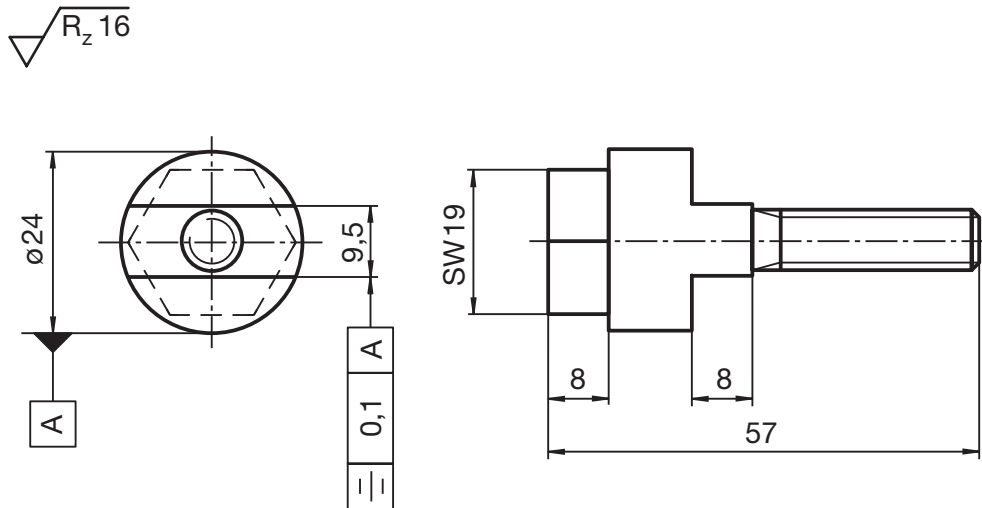
Please record the milling tool and the associated value from the table.

3. Taking the required surface quality and the tool into account, what processing parameters do you set on the milling machine?

4. You have clamped the tool and the workpiece and set your processing parameters. In terms of safety precautions, what aspects should you briefly check once again before switching on the milling machine?

	Machine-based material processing	Metal working
	Milling	Task/Assignment
	Steering questions	Exercise 7

Exercise 12



Allgemeintoleranzen nach ISO 2768 m

	Machine-based material processing	Metal working
	Milling	Information
Scale 1:1	Shop drawing	Exercise 12