

Assembly exercises valves and fittings

Valves and Fittings are pipe elements that are used in particular to shut off or adjust material flows. These primarily include valves, gate valves and taps. Different valves and fittings are suitable for different tasks depending on the way in which they work.

With the MT series of devices on the topic of assembly exercises for valves and fittings, GUNT offers prospective installation engineers and system mechanics the opportunity to learn about the structure, function and maintenance of valves, gate valves and ball valves. After assembly the component can be tested for leaks with hydraulic valves and fittings test stand MT 162.



The individual assembly exercises are suitable for collaborative group work or project work

Assembly exercises using real world examples

Comparison of different valves and fittings and their operation



- quality control of assembly with hydraulic valves and fittings test stand MT 162
- proper connection of valves and fittings
- leak testing of housings and flange seals

Pos.	Menge	Einheit	Bezeichnung	Zeichnung / Norm	Bezeichnung
1	1	Stück	Gehäuse, komplett	MT154.10.02.000	X20Cr13
2	1	Stück	Ventilteller	MT154.10.01.001	X20Cr13
3	2	Stück	Ringsegment	MT154.10.01.002	X20Cr13
4	1	Stück	Sechskantschraube	MT154.10.01.003	X20Cr13
5	1	Stück	Spindel	MT154.10.01.004	X20Cr13
6	1	Stück	Bügeldeckel	MT154.10.01.005	EN-GJL-250
7	1	Stück	Stiftbuchse	MT154.10.01.006	EN-GJL-250
8	1	Stück	Handrad	MT154.10.01.007	EN-GJL-250
9	1	Stück	Scheibe	MT154.10.01.008	150-168-10
10	1	Stück	Flachdichtung	56x4x1	Graphit, CW
11	2	Stück	Packungsring	RD16/24x10	Graphit
12	1	Stück	Scheibe	ISO 1099-88.4	
13	2	Stück	Hammerschraube	DIN 96-BM4x12-4.6	
14	4	Stück	Sechskantschraube	DIN EN ISO 10171-M16x30-8.8	
15	1	Stück	Paßscheibe	DIN 988-22x32x1	
16	1	Stück	Sechskantmutter	DIN EN ISO 4332-M8-8	
17	1	Stück	Siffring	MT154.10.02.002	X20Cr13

In addition to the practical exercises, the materials focus on the reading, understanding and application of technical drawings and parts lists.

The basics are shown comprehensively and professionally in the instructional material.

Pre-planned exercises and answers directly help to teach students to work systematically and help to monitor student achievement.

Plan assembly steps and procedures

Complete assembly of individual machine elements through to the functional fitting

Familiarisation with machine elements and standard parts