

FITTINGS

12.1. Vocabulary

Ex. 1. Match the words to their Russian equivalents.

1. hub	a. редуктор
2. threaded	b. втулка
3. elbow	с. фитинг; монтаж, установка
4. adapter	d. муфта
5. joint	e. ступица
6. fitting	f. адаптер
7. coupling	g. шарнир
8. reducer	h. отвод; патрубок
9. bushing	i. резьбовой

Ex. 2. Complete the sentences with the given words.

hub, fitting, adapter, threaded, elbow, reducer, bushing, coupling

The technician carefully replaced the worn-out _____(1) in the machine to ensure smooth operation. The company hired a professional team to handle the _____(2) of new equipment in their facility.

The plumber installed an _____(3) at the corner of the pipe to redirect the water flow.

The _____(4) connections on the pipes allowed for easy disassembly and maintenance.

To accommodate the different pipe sizes, a _____(5) was installed to smoothly transition from a larger diameter to a smaller one.

The _____(6) provided a secure connection between two pipes, ensuring that no leaks would occur.

An _____(7) was used to connect the European plug to the American electrical socket.

The _____(8) of the wheel was damaged in the accident and needed to be replaced for safe driving.

12.2. Reading

Ex. 1. Read the text.

Types of Fittings

When it comes to plumbing, there are several types of fittings that are commonly used. These fittings are designed to connect different sections of pipe together or to change the direction of the flow of water.

One of the most common types of fitting is the elbow. Elbows are typically made of metal or plastic and are used to change the direction of the flow of water. They can be found in various angles, such as 45 degrees or 90 degrees, depending on the specific needs of the plumbing system.

Another type of fitting is the tee. Tees are shaped like the letter T and are used to connect three sections of pipe together. They have a straight section and two perpendicular sections, allowing for the flow of water in multiple directions.

Couplings are fittings that are used to join two sections of pipe together. They are typically made of metal and have threads on the inside, allowing them to be screwed onto the ends of the pipes. Couplings are often used when repairs need to be made to a plumbing system or when new pipes are being added.

Adapters are similar to couplings, but they are used to connect pipes of different sizes together. For example, if a large pipe needs to be connected to a smaller pipe, an adapter would be used to make the connection.

Valves are another important type of fitting in plumbing systems. Valves are used to control the flow of water and can be opened or closed as needed. There are many different types of valves, including ball valves,

gate valves, and butterfly valves, each with its own specific purpose and design.

These are just a few examples of the many types of fittings that are used in plumbing systems. Understanding the different types of fittings and their uses is essential for anyone working with plumbing systems or making repairs to their own plumbing at home.

Ex. 2. *Answer the questions.*

1. What are fittings used for in plumbing?
2. What is the purpose of an elbow fitting?
3. How are tees different from elbows?
4. What are couplings used for in plumbing systems?
5. When would you use an adapter instead of a coupling?
6. What is the function of valves in plumbing systems?
7. Can you name three types of valves and briefly describe their purposes?
8. Why is it important to understand the different types of fittings in plumbing systems?