

Crucible Tongs

Description

Crucible tongs are specially designed metal tongs used in laboratories and veterinary clinics to safely handle hot crucibles, flasks, and other heated containers. Made from heat-resistant stainless steel, these tongs provide a firm grip and protect the user from burns during high-temperature operations.

Specifications

- **Material:** Heat-resistant stainless steel
- **Length:** Typically 20 cm to 30 cm
- **Design:** Scissor-type or spring-loaded for easy grip
- **Grip Surface:** Serrated or smooth, designed for secure handling
- **Heat Resistance:** Can withstand temperatures up to 500°C or higher

Types & Variants

- Scissor-style crucible tongs
- Spring-loaded tongs
- Flat or rounded tip variants for different crucible sizes

Usage

- Handling hot crucibles or containers during heating or chemical reactions
- Transferring heated materials safely in laboratory or veterinary settings

Advantages

- Provides safety by keeping hands away from heat
- Durable and corrosion-resistant
- Easy to operate with one hand

Disadvantages

- Not suitable for very large or heavy containers
- Requires regular inspection for wear and stability

Precautions

- Always check for stability of grip before lifting heavy items
- Use appropriate personal protective equipment (gloves, goggles)
- Avoid sudden movements to prevent spills or accidents

Handling Instructions

- Clean after each use with mild detergent
- Inspect for bends or damage regularly
- Store in dry conditions to prevent rust

Sterilization Details

- Autoclavable at 121–134°C
- Chemical sterilization possible for contamination control

HSN & HS Code

- **HSN Code:** 8205.59 (Hand tools, other than cutting tools, used in the hand or in machine tools)
- **HS Code:** 8205.59.90

Human Application:

Used in medical and laboratory settings for handling hot equipment.

Veterinary Application:

Used in veterinary labs for handling heated instruments and materials safely.

? Frequently Asked Questions (FAQs)

1. What are crucible tongs used for?

To safely handle hot crucibles and containers in labs or clinics.

2. Can crucible tongs withstand high temperatures?

Yes, they are made of heat-resistant stainless steel that can handle up to 500°C or more.

3. Are crucible tongs autoclavable?

Yes, they can be sterilized in an autoclave.

4. What types of crucible tongs exist?

Mainly scissor-style and spring-loaded variants.

5. Should crucible tongs be inspected regularly?

Absolutely, to ensure safety and functionality.

