

Chisel or Gouse

Description

Chisel (also spelled Gouse) is a robust surgical instrument used primarily for cutting or splitting bone during orthopaedic and surgical procedures. Designed with a sharp, chisel-like blade, it allows precise bone manipulation. Typically made from hardened stainless steel, it ensures durability and strength.

Specification

Attribute	Details
Material	Hardened surgical grade stainless steel
Length	Usually ranges from 6 to 12 inches
Blade Width	Varies; commonly between 5mm to 15mm
Handle	Ergonomic grip, sometimes with textured surface
Finish	Satin or mirror polished
Weight	Depends on size; balanced for control

Sizes & Shapes

- Various lengths available depending on surgical need
- Blade shapes typically flat or bevelled edge
- Handle designs for secure grip

Types

- Standard chisel/Gouse for bone cutting
- Narrow blade chisels for delicate bone work
- Heavy-duty versions for larger bone splitting

Material

- Hardened stainless steel for cutting efficiency and corrosion resistance
- Non-toxic and suitable for repeated sterilization

Category

- Orthopaedic surgical instruments

Product Form

- Metallic chisel with handle
- Available sterilized or non-sterilized packaging

Usage

- Cutting and splitting bones during orthopaedic surgeries
- Creating precise bone cuts for implants or fracture repairs
- Used with mallet strikes to control cutting force

Advantages

- High precision in bone cutting
- Durable and corrosion resistant
- Ergonomic handle improves surgeon control

Disadvantages

- Requires skill to avoid excessive bone damage
- Potential for slip if not handled carefully

Precautions

- Always use with appropriate protective gear
- Keep sharp edges away from soft tissues
- Sterilize properly before and after use

HS / HSN Code

- HS Code: 9018.39 (Instruments used in surgical, medical, dental or veterinary sciences)
- HSN Code (India): 9018 (Surgical instruments)

Handling

- Inspect for blade sharpness and handle integrity before use
- Handle with care to avoid accidental injury

Sterilization Details

- Suitable for steam autoclaving at standard temperatures
- Compatible with chemical sterilization methods

Human Application

- Used extensively in orthopaedic surgeries for bone cutting and shaping

Veterinary Application

- Applied in large animal orthopaedic surgeries and fracture repairs

Frequently Asked Questions (FAQs)

Q: What is the difference between a chisel and a Gouse?

A: They are often used interchangeably, but 'Gouse' typically refers to a heavier-duty chisel.

Q: Can chisels be sharpened?

A: Yes, but should be done by professionals to maintain cutting integrity.

Q: How should I clean this instrument?

A: Clean with mild detergent and water immediately after use; sterilize as per guidelines.

Q: Are there different sizes available?

A: Yes, sizes vary depending on surgical requirements.

Q: Is it safe for veterinary use?

A: Absolutely, widely used in veterinary orthopaedic procedures.