

Bull Nose Punch

✔ Description

The **Bull Nose Punch** is a **heavy-duty, handheld surgical instrument** designed to **punch or cut through dense bone**, typically in the nasal region. It's most commonly used in **rhinoplasty, nasal bone resection, orthopaedic surgeries, and veterinary dehorning or sinus access procedures**.

Its design allows for **precise removal of bone segments** with minimal crushing or splintering.

✔ Specifications

Parameter	Typical Details
Material	Surgical-grade stainless steel (SS 410/420 or 316)
Length	18 cm to 25 cm
Jaw Width	3 mm to 6 mm
Cutting Tip Shape	Rounded "bull-nose" or slightly curved tip
Handle Style	Spring-loaded or manual grip
Mechanism	Lever-action or double-action for added force
Weight	250 g – 500 g
Sterilization	Fully autoclavable

✔ Design & Features

- ✔ **Blunt rounded cutting jaws** – prevent excess tissue trauma
- ✔ **Heavy-duty jaw action** – allows controlled force for bone punching
- ✔ **Double-action models** – increase cutting power with minimal effort
- ✔ **Ergonomic grip** – reduces hand fatigue during prolonged surgeries

✔ Types

- ✔ **Standard Bull Nose Punch** – straight shaft, regular bone cutting
- ✔ **Curved Bull Nose Punch** – allows angled access in deep cavities
- ✔ **Double-action Bull Nose Punch** – for increased power and precision

✔ Material

- Surgical stainless steel (typically hardened SS 420 or SS 316)
- Optional tungsten carbide insert tips (for extended durability)
- Non-slip ridged handles for secure grip

✔ Product Form

- Single-piece, reusable instrument
- Sterile or autoclavable form
- Available with straight or curved jaws

👨 Human Medical

- ENT surgeries (e.g., nasal bone reduction in rhinoplasty)
- Maxillofacial procedures
- Sinus surgery access
- Small orthopaedic bone removal

🐾 Veterinary Use

- Dehorning procedures in calves and goats
- Nasal sinus drainage or access surgeries
- Used in field settings for livestock treatment
- Orthopaedic bone work in small/medium animals

✔ Advantages

- ✔ High mechanical advantage for clean bone removal
- ✔ Durable and robust for repeated surgical use
- ✔ Atraumatic tip reduces collateral tissue damage
- ✔ Double-action models reduce hand strain
- ✔ Suitable for both field and operating room use

✗ Disadvantages

- ✗ Requires skill to prevent over-cutting or accidental injury
- ✗ Not suitable for fine or delicate bone work
- ✗ Larger size may limit precision in tight anatomical areas
- ✗ Incorrect sterilization can dull cutting edges

⚠ Precautions

- ◆ Ensure the instrument is sterilized before use
- ◆ Check blade edges for dullness or chipping
- ◆ Use with controlled pressure to avoid over-punching
- ◆ Avoid using on soft tissue to prevent trauma
- ◆ Wear protective eyewear when using in dehorning (bone fragments risk)

✅ Sterilization Details

- Autoclave at **121°C for 15–30 minutes**
- Clean thoroughly after each use to remove bone debris
- Dry completely to avoid rust or joint seizure
- Lubricate hinge points with surgical-grade lubricant regularly

✅ Handling & Maintenance

- Clean immediately post-surgery to avoid residue build-up
- Sharpen or service cutting edges periodically
- Inspect for joint looseness or misalignment
- Store in padded trays to avoid blade contact or damage

✅ HS / HSN Code

Code Type	Code	Description
HS Code	9018.49	Surgical instruments (bone instruments incl. punches)
HSN Code (India)	90184900	Surgical bone instruments including bone punches

? Frequently Asked Questions (FAQs)

Q1: What is a Bull Nose Punch used for?

✓ It's used to punch/remove bone, especially in nasal or dehorning surgeries.

Q2: Is it reusable?

✓ Yes, if properly cleaned and sterilized.

Q3: Can it be used on animals?

✓ Absolutely—commonly used in veterinary dehorning and sinus procedures.

Q4: What's the difference between a regular bone punch and a bull nose punch?

✓ The bull nose punch has a **rounded cutting jaw** designed for safe and targeted bone removal.

Q5: How is it sterilized?

✓ It's autoclavable—standard steam sterilization applies.

