

Hegar's Dilators

Description

Hegar's Dilators are surgical instruments used primarily in gynaecology to gradually dilate the cervical canal. They are designed to gently and progressively stretch the cervical opening, facilitating procedures such as diagnostic curettage, dilation and curettage (D&C), and during labour induction. Their smooth, rounded tips minimize tissue trauma during dilation.

Specifications

- Set of graduated dilators typically ranging from 4 mm to 20 mm in diameter
- Length: Approximately 15 to 20 cm per dilator
- Material: High-quality surgical stainless steel
- Finish: Polished, corrosion-resistant surface for smooth insertion
- Design: Straight, slender rods with rounded tips

Sizes & Shapes

- Sizes: Graduated diameters from 4 mm up to 20 mm (or larger in some sets)
- Shape: Straight, tapered cylindrical rods with smooth rounded tips
- Set includes multiple sizes for gradual cervical dilation

Types

- Standard Hegar's Dilators set (metal)
- Available as individual dilators or full graduated sets
- Occasionally available in plastic disposable versions

Material

- Surgical-grade stainless steel (AISI 316L or equivalent)
- Polished to a smooth finish for atraumatic dilation
- Durable and autoclavable

Category

Surgical Instruments → Gynaecological Instruments → Cervical Dilators

Product Form

- Supplied as a set or individual dilators
- Non-sterile or sterilized depending on order
- Packaged in sterilizable trays or cases

Usage

- Gradual dilation of the cervix before gynaecological procedures
- Used in preparation for procedures such as hysteroscopy, D&C, and labour induction
- Allows safe and controlled widening of the cervical canal

Advantages

- Graduated sizes allow gentle and controlled cervical dilation
- Rounded tips minimize trauma to cervical tissue
- Durable stainless steel construction ensures long life
- Easy to clean and sterilize

Disadvantages

- Requires proper technique to avoid cervical injury
- Metal instruments may cause discomfort if used improperly
- Disposable versions generate medical waste

Precautions

- Use lubrication to reduce patient discomfort
- Gradually progress through sizes without forcing
- Sterilize thoroughly before and after each use
- Monitor patient for pain or signs of injury

HS and HSN Codes

- HS Code: 9018.39
- HSN Code: 9018

Handling Instructions

- Select appropriate starting size based on clinical indication
- Gently insert and advance dilator without force
- Progress gradually to larger sizes as needed
- Clean and sterilize reusable instruments promptly

Sterilization Details

- Autoclave at 121°C for 15-20 minutes recommended
- Chemical sterilization possible but less common
- Avoid abrasive cleaners to maintain surface integrity

Veterinary Application

- Used occasionally in veterinary gynaecology for cervical dilation in large animals
- Facilitates reproductive procedures in bovines and equines
- Adapted size and technique required for veterinary use

Human Application

- Widely used in human gynaecological practice for cervical preparation
- Essential in diagnostic and therapeutic procedures involving the uterus
- Helps in safe and effective cervical dilation for surgical access

? Frequently Asked Questions (FAQs)

- 1. What sizes are available in Hegar's Dilator sets?**
Sizes typically range from 4 mm to 20 mm in diameter.
- 2. Are Hegar's Dilators reusable?**
Yes, stainless steel versions are reusable after proper sterilization.
- 3. How should the dilators be sterilized?**
Autoclaving at 121°C for 15-20 minutes is standard practice.
- 4. Can these dilators be used in veterinary medicine?**
Yes, mainly in large animal gynaecological procedures.
- 5. What precautions should be taken during use?**
Use lubrication, proceed gradually, and avoid force to prevent injury.

