

# Conversion units Charriere

## Charriere

- Synonym
- Definition

= **Ch, CH**

French gauge.

Unit which expresses the **external** diameter in  $\frac{1}{3}$  mm where:

$$\frac{CH\ N^{\circ}}{3} = \text{ext. diameter in mm}$$

Example: CH6 = 2mm  
or CH4 = 1.33mm

- Field of use

Tubes and drains.

## French

- Synonym
- Definition

= **F or FG**

French size, french gauge, charriere.

Unit which expresses the **external** diameter in  $\frac{1}{3}$  mm where:

$$1\ FG = 1\ CH = \frac{1}{3}\ mm$$

Attention: Some manufacturers offer catheters mesasured in INCHES.

Example: 5 FG = CH5 = 1.66mm = 0.066 INCH

- Field of use

Exploratory catheters, tubes and drains.

## Gauge

- Synonym
- Definition

= **G, Ga, Gg, g**

British standard gauge.

Unit which expresses the external diameter of the object, in a range from 8 to 30, corresponding respectively to 4 and 0.3mm.

Attention: The gauge/mm correspondance may vary, due to figures being rounded off inconversion from inches to mm.

The higher the gauge, the smaller the external diameter.

The gauge gives the external diameter, but does not take account of the thickness of the wall, so does not give an idea of the external diameter.

Example: 22G = 0.7 to 0.9mm  
18G = 1.1 to 1.3mm

- Field of use

Short catheters, needles, microperfusers.

## INCH

- Synonym
- Definition

= **In or ”**

In french: “pouce”

Unit used to express the external diameter of guides.

Example: 1 in = 1 inch = 25.4mm  
1mm = 0.04 in = 0.04”

- Field of use

Guides for catheters.

## PLASTEAU-BENIQUE

- Synonym
- Definition

= **P.B**

Benique.

The Plasteau-Benique measurement corresponds to half the charriere measurement.

Unit which expresses the external diameter in  $\frac{1}{6}$  mm.

$$\frac{P.B\ N^{\circ}}{6} = \text{ext. diameter in mm}$$

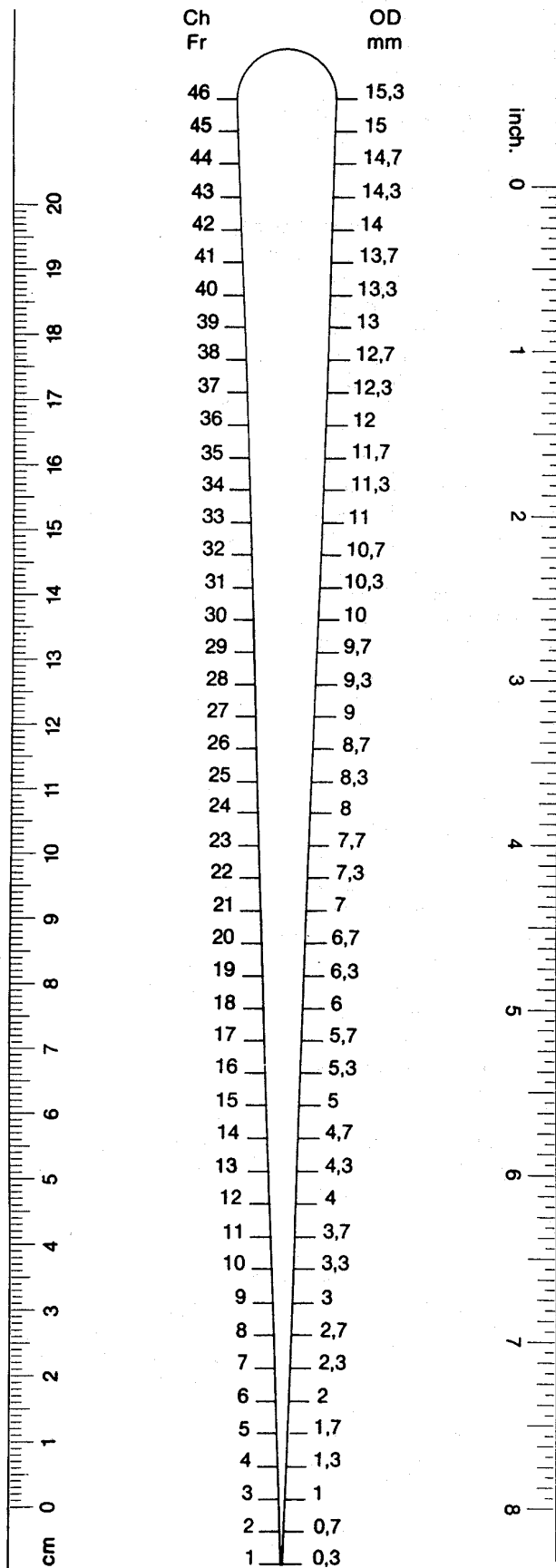
Example: 40 P.B = 20CH = 6.66mm

- Field of use

Tubes for urology.

Table of measurements (OD = Outer Ø, ID = Inner Ø) for:

**Catheters and drains (urology/surgery)**



**Endotracheal tubes**

