



## **Conversion units Charriere**

Charriere	= Ch, CH						
- Synonym	French gauge.						
- Definition	Unit which expresses the <b>external</b> diameter in $\frac{1}{3}$ mm where:						
	$\frac{\text{CH N}^{\circ}}{3} = \text{ext. diameter in mm}$						
	Example: $CH6 = 2mm$						
	or $CH4 = 1.33mm$						
- Field of use	Tubes and drains.						
French	= F or FG						
- Synonym	French size, french gauge, charriere.						
- Definition	Unit which expresses the <b>external</b> diameter in $\frac{1}{3}$ mm where:						
	$1 \text{ FG} = 1 \text{ CH} = \frac{1}{3} \text{ mm}$						
	<u>Attention</u> : Some manufacturers offer catheters mesaured in INCHES.						
	Example: 5 FG = CH5 = 1.66mm = 0.066 INCH						
- Field of use	Exploratory catheters, tubes and drains.						
Gauge	= G, Ga, Gg, g						
- Synonym	British standard gauge.						
- Definition	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  1.3  mm						
- Field of use	Short catheters, needles, microperfusers.						
INCH	= In or "						
- Synonym	In french: "pouce"						
- Definition	Unit used to express the external diameter of guides.						
	Example: $1 \text{ in} = 1 \text{ inch} = 25.4 \text{mm}$						
	1 mm = 0.04  in = 0.04"						
- Field of use	Guides for catheters.						
PLASTEAU-BENIQUE	= <b>P.B</b>						
- Synonym	Benique.						
- Definition	The Plasteau-Benique measurement corresponds to half the						
	charriere measurement.						
	Unit which expresses the external diameter in $^{1}/_{6}$ mm.						
	$\underline{P.B N^{\circ}} = \text{ext. diameter in mm}$						
	6 Example: $40 \text{ P.B} = 20 \text{ CH} = 6.66 \text{ mm}$						
- Field of use	Tubes for urology.						
	Tubes for urbiogy.						



min. lengths mm

## Table of measurements (OD = Outer $\emptyset$ , ID = Inner $\emptyset$ ) for:

## Catheters and drains (urology/surgery)

Ch

Fr

OD

mт

Endotracheal tubes OD Ch ID ID Fr mm mm mm Xear al tubes 46 15,3 11

	46	15,3			46	15,3	11	Clear Mai tub	360
	45 44	15 14,7	inch.		44	14,7	10,5	Only for Super Safety Clear and Safety Clear tracheal tube	360
50	43 42	14,3 14	0-		42	14 -	10	Only for S and Safety	360
<b>11</b>	41 40	13,7 13,3	-		40	13,3	9,5	10	350
<b>1</b> <b>1</b> <b>1</b>	39 38 37	13 12,7	 		38	12,7	9	9,5	340
<b>₽</b>	36 35	12,3 12 11,7			36	12	_ 8,5	_ 9	330
<b>16</b>	34 33	11,3 11	N -		34	11,3	_ 8	8,5	320
14 15	32 31	10,7 10,3			32	10,7	7,5	_ 8	310
<b>13 1</b>	30 29	10 9,7	- - 1 1 1 1. 		30 28	10 9,3	7 6,5	7,5 7	300 290
12 12	28 27	9,3 9	- ω -		26	8,7	6	6,5	280
<b>1</b>	26 25 24	8,7 8,3 8	-		24	8 _	5,5	6	270
<b>9</b>	23 22	7,7 7,3	- 4		22	7,3	_ 5	5,5	240
6 6	21 20	7 6,7			20	6,7	_ 4,5	_ 5	220
$\frac{1}{10} - \frac{1}{10} $	19 18	6,3 6	<del>ເ</del> ກ		18	6	_ 4	_ 4,5	200
<u>۲</u>	17 16 15	5,7 5,3 5		-	16	5,3	_ 3,5	4	180
<b>9</b>	13 14 13	4,7 4,3			14	4,7	_ 3	3,5	160
	12 11	4	- 10		12	4	_ 2,5		140
3 4	10 9	3,3 3	-		10 8	3,3	2		140
1	8 7	2,7 2,3	- 1	-	0	Z,1	_ 1,5		140
	6 5 4	2 1.7 1.3			R		J		
	4 3 2	1 1 0,7	<b>co</b> –						
E	1	0,3							