

# F

# LABORATORY ASSEMBLIES AND TOOLS

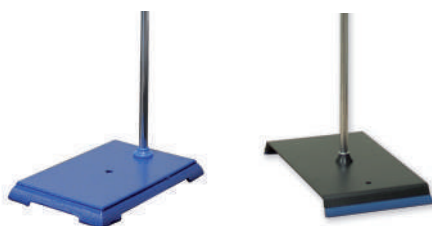
<b>FC - Assemblies.....</b>	<b>122</b>	FHV - Tubing for industrial use.....	135
FCB - Supports .....	122	FHX - Tubing for medical use .....	135
FCD - Laboratory jacks.....	123	<b>FK - Spatule/Spoons .....</b>	<b>136</b>
FCG - Clamps for burettes, tubes.....	123	FKB - Spoon-spatula.....	136
FCJ - Clamps, 3-4 prongs.....	124	FKG - Spatula .....	138
FCK - Clamps, special.....	125	FKL - Double spatula .....	139
FCM - Clips for ground joints .....	125	FKN - Double spatula, micro.....	139
FCP - Bossheads .....	126	FKP - Spoons.....	140
FCR - Rings, open .....	127	FKR - Double spoons .....	140
FCV - Rings, closed .....	127	FKT - Double micro spoon spatula.....	140
FCY - Rods without thread.....	127	FKW - Scoops .....	141
<b>FF - Heating.....</b>	<b>128</b>	<b>FM - Dissection material.....</b>	<b>142</b>
FFB - Tripod stands .....	128	FMB - Scalpels - blades .....	142
FFD - Gauze iron wires.....	128	FMD - Dissecting needles .....	143
FFG - Triangles.....	128	FMG - Forceps, curved .....	144
FFJ - Burners.....	128	FMJ - Forceps, straight.....	144
FFL - Tongs for crucibles, capsules .....	129	FML - Forceps, special .....	145
FFN - Tongs for beakers, tubes .....	130	FMN - Scissors.....	146
<b>FH - Tubing and accessories .....</b>	<b>130</b>	FMQ - Dissecting kits.....	147
FHB - Connectors .....	130	<b>FZ - Others .....</b>	<b>148</b>
FHD - Clamps .....	131	FZB - Stabilizing rings .....	148
FHG - Valves and indicators.....	132	FZD - Glass markers .....	148
FHL - Tubing for peristaltic pumps.....	132	FZG - Compass .....	148
FHN - Tubing for laboratory .....	133		
FHQ - Tubes for chemical process.....	135		



**FCB - Supports**
**A-shaped support**


1 | Base in oven-painted cast steel, chrome-plated steel rod. Rubber on the base for good stability.

Code	Base	Rod (LxØ)
FCB001	200x30 mm	600x10 mm

**Retort stand**


1 | Base made of reinforced sheet metal, chrome-plated steel rod.

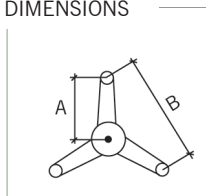
Code	Material	Colour	Base	Rod (LxØ)
FCB006	Reinforced	Black	175x100 mm	500x10 mm
FCB007	Reinforced	Black	225x125 mm	600x10 mm
FCB008	Reinforced	Black	250x150 mm	600x10 mm
FCB009	Reinforced	Black	300x150 mm	900x10 mm
FCB022	Cast iron	Blue	200x135 mm	600x10 mm
FCB023	Cast iron	Blue	300x175 mm	600x10 mm
FCB025	Cast iron	Blue	115x75 mm	500x10 mm



Code	Material	Colour	Base	Rod (LxØ)
FCB024	Cast iron	Blue	200x125 mm	600x10 mm
FCB028	Cast iron	Blue	160x100 mm	500x10 mm
FCB029	Cast iron	Blue	250x160 mm	600x10 mm

**Tripod support stand**


DIMENSIONS



Code	Colour	Dimensions	Rod (LxØ)
FCB010	Blue	110x170 mm	600x10 mm
FCB011	Blue	135x210 mm	700x10 mm
FCB012	Blue	175x300 mm	800x10 mm
FCB013	Blue	85x130 mm	500x10 mm

**FCB - Supports**
**Base with rods**


1 | Polypropylene with chromed steel rods. Each base is provided with two rods, they can be joined together on top of each other to achieve the desired length.

Code	Dimensions	Rod (LxØ)	Hole
FCB018	293x147x14 mm	250x12 mm	Central
FCB019	293x147x14 mm	250x12 mm	Lateral

**H shape support**


1 | Cast iron base painted in blue, 500x250 mm. With rubber feet.  
 2 | Consisting of:  
 - 3 vertical rods  
 - 2 horizontal rods  
 - 6 bossheads

Code	Dim. vertical rods	Dim. horizontal rods
FCB031	10x800 mm	10x500 mm
FCB032	12x800 mm	12x500 mm

**Bench clamp**


1 | Cast Attaches to the workbench. Suitable for bench tops up to 40 mm wide.  
 2 | Holds rods of 4-12 mm diameter.

<b>Code</b>	FCB033
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▶ FCB - Supports

▶ Burette stand



- 1 | With AISI 304 stainless steel rod of 10 mm Ø x 600 mm high. Weight 2 Kg.
- 2 | Made specifically for the "DUPLEX" burette clamp with two plates at the base, black and white.

Code	Base dimensions	Weight
FCB513	170 mm	2 Kg

▶ FCD - Laboratory jacks

▶ Laboratory jack, aluminum



- 1 | Made of aluminium with scissor-type support. With manual knob and anti-skid legs.

Code	Dimensions	Max. load	Height
FCD001	100x100 mm	14 kg	40-140 mm
FCD002	150x150 mm	27 kg	50-270 mm
FCD003	200x200 mm	38 kg	50-320 mm

▶ Laboratory jack, stainless steel



- 1 | Made of of stainless steel AISI 304 with scissor-type support. With manual knob and anti-skid legs.

Code	Dimensions	Max. load	Height
FCD004	100x100 mm	45 kg	55-140 mm
FCD005	150x150 mm	60 kg	65-250 mm
FCD006	200x200 mm	60 kg	65-250 mm
FCD007	250x250 mm	75 Kg	70-385 mm
FCD008	300x300 mm	75 Kg	70-385 mm

▶ FCG - Clamps for burettes, tubes

▶ Clamp 2 prongs

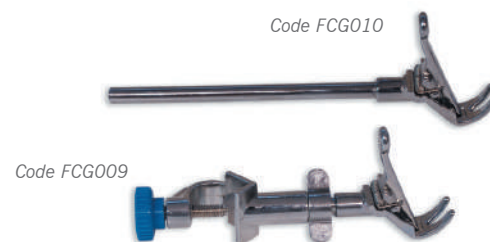


- 1 | Made of chromed metal and PVC coated tips.

Code	Opening	Length	Rod	Lot
FCG001	12-45 mm	210 mm	No	2
FCG002	20-60 mm	220 mm	No	2
FCG003	7-25 mm	205 mm	No	-
FCG004	12-45 mm	110 mm	Fixed up to 17 Ø mm	2
FCG005*	4-20 mm	100 mm	Fixed up to 14 Ø mm	2
FCG006	7-25 mm	100 mm	Fixed up to 14 Ø mm	2
FCG007	12-45 mm	155 mm	Rotary up to 18 Ø mm	-
FCG008	7-25 mm	150 mm	Rotary up to 18 Ø mm	-

\* 3 prongs

▶ Automatic clamp



- 1 | Made of chromed metal, suitable for holding burettes and thermometers. Spring closure.

Code	Opening	Length	Rod (ØxL)	Lot
FCG009*	0-25 mm	110 mm	-	2
FCG010	0-25 mm	160 mm	8x120 mm	2

\* with bosshead

▶ Clamp for 1 burette, aluminium



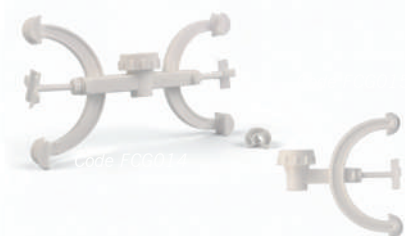
- 1 | Made of aluminium.

Code	Opening	Colour
FCG011	Up to 20 mm	White

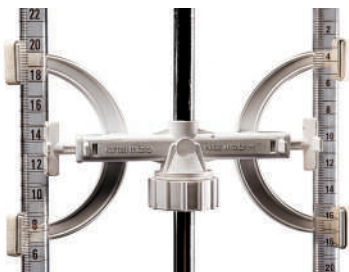
**FCG - Clamps for burettes, tubes**
**▶ Double clamp for burettes**


1 | With bosshead for rods up to 13 mm diameter.

Code	Material	Colour
FCG012	Aluminium	White
FCG013	Plastic	White

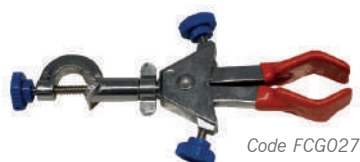
**▶ Clamp for burettes, PP**


Code	Capacity	For rods	Lot
FCG014	2 burettes	10 to 12 mm	6
FCG015	1 burette	10 to 12 mm	6



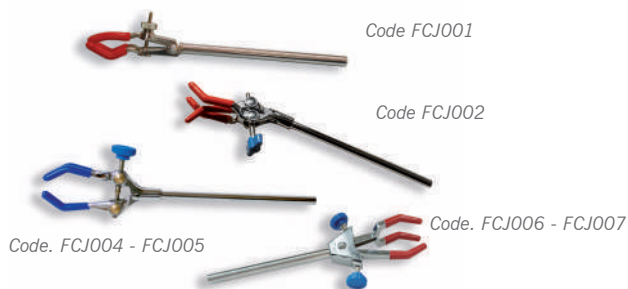
1 | Equipped with a stainless steel spring.

Code	Capacity	Ø rod	Lot
FCG016	1 burette	10/14 mm	5
FCG017	2 burettes	10/14 mm	5

**▶ Two prong double adjust swivel clamp**


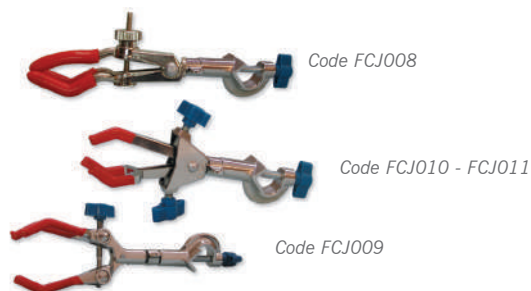
1 | Made of chromed zinc alloy. PVC covered jaw  
 2 | This clamp has an integrated holder for attaching to a lab-frame or other apparatus. Shaft wing-nut allows the holding angle to be adjusted through 360° of rotation to achieve the desired position.

Code	Grip size
FCG026	40 mm
FCG027	65 mm

**FCJ - Clamps, 3-4 prongs**
**▶ Clamp 3 prongs without bosshead**


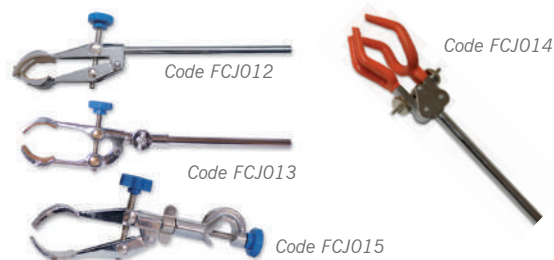
1 | Made of aluminium.

Code	Opening	Length	Adjustment	Rod (ØxL)
FCJ001	0-30 mm	175 mm	Simple	8x125 mm
FCJ002	0-70 mm	240 mm	Simple, red	8x150 mm
FCJ004	0-95mm	240 mm	Simple, blue	12x180 mm
FCJ005	0-95mm	240 mm	Simple, blue	8x150 mm
FCJ006	0-50mm	210 mm	Double	10x140 mm
FCJ007	0-85 mm	250 mm	Double	12x155 mm

**▶ Clamp 3 prongs with bosshead**


1 | In chromed metal, with PVC coated fingertips. Rotating bosshead for rods up to 18 mm.

Code	Opening	Length	Adjustment
FCJ008	0-30 mm	125 mm	Simple
FCJ009	0-70 mm	165 mm	Simple
FCJ010	0-60 mm	145 mm	Double
FCJ011	0-90 mm	170 mm	Double

**▶ Clamp 4 prongs with and without bosshead**


1 | Made of chrome-plated metal, with coated tips. Opening 0-80 mm. The model with a swivel bosshead accepts rods up to 18 mm in diameter

Code	Opening	Bosshead	Rod (ØxL)
FCJ012	0-80 mm	No	8x155 mm
FCJ013	0-80 mm	No	10x130 mm*
FCJ014	0-80 mm	No	12x145 mm
FCJ015	0-80 mm	Rotary	-
FCJ016	0-100 mm	No	10x165 mm
FCJ017	0-100 mm	No	12x165 mm

\*Adjustable angle 180°

▶ FCJ - Clamps, 3-4 prongs

▶ Clamp universal "MINIMAX"



1 | With cork coated jaws. Suitable for heavy items. T-wrench.

Code	For Ø	Lenght	Material
FCJ503	0-80 mm	210 mm	Dur-Aluminium traité

▶ FCK - Clamps, special

▶ For thermometers



Code - FCK001



Code - FCK002

1 | Made of chromeplated metal. For rods up to 18 mm.

Code	Length	Opening	Bosshead	Lot
FCK001	140 mm	6-15 mm	Rotary	2
FCK002*	130 mm	-	Fixed	2

\* with a hook

▶ Chain clamp for big diameters



1 | Made of stainless steel. Provided with chain and spring clamp.

Code	For diameters	Ø rod
FCK003	90/145 mm	12 mm
FCK004	90/146 mm	16 mm

▶ FCM - Clips for ground joints

▶ Clip for tapered joints



1 | Made of chromeplated steel, for conical grinding.

Code	Joints	Lot
FCM001	10/19	5
FCM002	14/23	10
FCM003	19/26	10
FCM004	24/29	10
FCM005	29/32	10
FCM006	34/35	10

▶ Plastic (POM) clip



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Code	Colour	Joint	Lot
FCM007	Yellow	14/23	10
FCM008	Blue	19/26	10
FCM011	Green	24/29	10
FCM010	Red	29/32	10
FCM024	Orange	34/35	10
FCM025	Ochre	40/38	10
FCM009	Brown	45/40	10



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Code	Colour	Joint	Lot
FCM012	Black	10/19	10
FCM013	Yellow	14/23	10
FCM014	Blue	19/26	10
FCM015	Green	24/29	10
FCM016	Red	29/32	10
FCM017	Orange	29/32	10
FCM018	Brown	29/32	10

\* consult us for other ground

▶ FCM - Clips for ground joints

▶ Spherical joint clamp



1 | Made of stainless steel, with maximum security screw lock. For fastening of swivel-type ground joints.

Code	For joint
FCM019	R-13
FCM020	R-19
FCM021	R-29
FCM022	R-35

▶ FCP - Bossheads

▶ Double bosshead



1 | They allow the mounting of instruments at a 90° angle.

Code	Description	Length	Rods
FCP001	Painted small	53 mm	13 mm
FCP002	Painted medium	70 mm	16 mm
FCP003	Painted big	84 mm	21 mm
FCP004	Painted extra big	97 mm	25 mm
FCP005	Zinc-plated small	53 mm	13 mm
FCP006	Zinc-plated medium	70 mm	16 mm
FCP007	Zinc-plated big	84 mm	21 mm
FCP008	Zinc-plated extra big	97 mm	25 mm
FCP009	Zinc-plated curved	100 mm	16 mm
FCP010	Painted	100 mm	16 mm

▶ Bosshead Phywe model



1 | Metallic, cross arrangement.

Code	Colour	Length	Rods up to
FCP013	Gray	170 mm	24 mm

▶ FCP - Bossheads

▶ Rotary double bosshead



Code	Rods up to
FCP011	20/13 mm
FCP012	18 mm

▶ Universal bosshead



1 | For parallel, perpendicular and 'T' shaped mounts.

Code	Colour	Length	Rods up to
FCP014	Chromed	55 mm	16 mm
FCP015	Painted	55 mm	16 mm

▶ Bosshead for assemblies



1 | Bosshead type 'P': for the assembly of two right-angled rods.  
2 | Bosshead type 'Trevin': for the assembly of multiple supports and in 3 different angles.

Code	Model	Rods
FCP016	P type	10 mm
FCP017	P type	12 mm
FCP018	P type	14 mm
FCP019	P type	16 mm
FCP020	Trevin	9-13 mm

▶ Double Bosshead



1 | In chromed metal.

Code	Rods ø
FCP503	5 to 17 mm



▶ FCR - Rings, open

▶ Open retort ring with shank



1 | Open ring without bosshead, made of chromed steel. For plate stand, tripod stand etc.

Code	Ø external	Ø internal	Ø Shank	Long. (center to center)
FCR001	60 mm	45 mm	7 mm	180 mm
FCR002	80 mm	65 mm	8 mm	195 mm
FCR003	100 mm	85 mm	7 mm	200 mm
FCR004	120 mm	105 mm	8 mm	215 mm

▶ With bosshead, chromed steel



1 | Open retort ring with bosshead. Made of chromium plated steel. For retort stand, tripod stands, etc.

Code	Ø external	Ø internal	Ø Shank	Long. (center to center)
FCR009	50 mm	36 mm	7 mm	95 mm
FCR010	80 mm	65 mm	7 mm	130 mm
FCR011	100 mm	85 mm	8 mm	130 mm
FCR012	130 mm	115 mm	7 mm	110 mm

▶ FCV - Rings, closed

▶ Retort ring with shank closed, chromeplated steel



1 | Closed ring without bosshead, made of chromed steel. For plate stand, tripod stand etc.

Code	Ø external	Ø internal	Ø Shank	Total length
FCV001	60 mm	45 mm	7 mm	200 mm
FCV002	80 mm	65 mm	7 mm	225 mm
FCV003	100 mm	85 mm	8 mm	250 mm
FCV004	120 mm	105 mm	8 mm	255 mm

▶ FCV - Rings, closed

▶ With nut, chrome-plated steel



1 | Closed ring with nut, made of chrome-plated steel. For supports such as plate feet, tripod feet, etc.

Code	Ø external	Ø internal	Ø Shank	Long. (center to center)
FCV005	50 mm	36 mm	7 mm	110 mm
FCV006	80 mm	65 mm	8 mm	110 mm
FCV007	120 mm	105 mm	8 mm	150 mm
FCV008	135 mm	120 mm	10 mm	150 mm

▶ FCY - Rods without thread

▶ Rod for supports



1 | Chrome-plated iron bar. For supports FCB018 and FCB019.

Code	Diameter	Length
FCY001	12 mm	25 cm

▶ Rod for assemblies



Code	Material	Diameter	Length
FCY002	Chromed	12 mm	60 mm
FCY003	Chromed	12 mm	200 mm
FCY004	Chromed	12 mm	350 mm
FCY005*	Chromed	12 mm	700 mm
FCY006*	Chromed	12 mm	1000 mm
FCY007*	Chromed	12 mm	2000 mm
FCY008	Aluminium	12 mm	60 mm
FCY011*	Aluminium	12 mm	700 mm
FCY012*	Aluminium	12 mm	1000 mm
FCY014	Stainless steel	12 mm	60 mm
FCY015	Stainless steel	12 mm	200 mm

\*these references have additional shipping charges. On request.

**▶ FCY - Rods without thread**
**▶ Rod for supports**


- 1 | Fits on to the main body of the hotplate. Suitable for the circular.
- 2 | Threaded rod.

Code	Rod of	Height
FCY501	12 mm Ø	500 cm

**▶ FFB - Tripod stands**
**▶ Round**

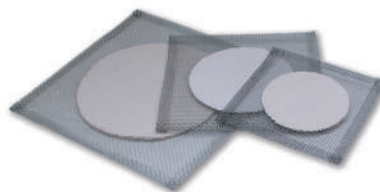

- 1 | Round section ring, with rubber tips on the legs.

Code	Material	Diameter	Height
FFB001	Steel	125 mm	200 mm
FFB002	Steel	150 mm	200 mm
FFB003	Steel	200 mm	200 mm
FFB004	Stainless steel	120 mm	200 mm
FFB005	Stainless steel	150 mm	200 mm

**▶ Triangular**


- 1 | Rings and legs made of chromeplated steel, with rubber tips on the legs.

Code	Material	Diameter	Height
FFB007	Steel	125 mm	200 mm
FFB008	Steel	150 mm	200 mm
FFB009	Steel	200 mm	200 mm

**▶ FFD - Gauze iron wires**
**▶ Iron Wire Gauze**


- 1 | With ceramic fibre center, without asbestos. For heating substances with Bunsen.

Code	Side length	Ø ceramic	Lot
FFD001	12x12 cm	80 mm	20
FFD002	15x15 cm	100 mm	20
FFD006	16x16 cm	110 mm	20
FFD007	18x18 cm	130 mm	20
FFD003	20x20 cm	145 mm	20

**▶ FFG - Triangles**
**▶ Pipeclay triangle**


- 1 | Made up of three tubes of refractory clay based on silimanite. Linked in the form of a triangle by thick galvanised metal wires.
- 2 | For holding the crucibles during the calcination process.

Code	Side length	Ø tube
FFG001	30 mm	9 mm
FFG002	50 mm	8 mm
FFG003	65 mm	8 mm
FFG004	90 mm	8 mm

**▶ FFJ - Burners**
**▶ Alcohol lamp system**


Code	Description
FFJ002	Alcohol lamp safety system
FFJ010	Meter of wicks for safety alcohol lamp 100 mL FFJ002
FFJ017	Spare wicks for alcohol lamp, 4 mm (10x10 cm)



## FFJ - Burners

### Micro Bunsen burner, natural gas



1| With gas and air flow control valve. Connection by means of serrated conical joint.

Code	Description
FFJ003	Micro Bunsen burner, natural gas
FFJ004	Micro Bunsen burner, LPG
FFJ005	Bunsen burner, natural gas
FFJ006	Bunsen burner, LPG



1| Epoxy-coated steel base with anti-scratch PVC ring. With screw key and flame stabilizer. CE compliant with directive 90/396.

Code	Connection	Tube (Ø X height)	Gas type
FFJ019	Olive	11x130 mm	Liquid gas (LPG)
FFJ020	Olive	11x130 mm	Natural gas
FFJ021	Olive	11x150 mm	Poligas
FFJ030	Threaded 1/4"	11x130 mm	Liquid gas (LPG)
FFJ031	Threaded 1/4"	11x130 mm	Natural gas
FFJ032	Threaded 1/4"	11x150 mm	Poligas

### Safety Bunsen burners



1| Equipped with a safety valve homologated and controlled by a thermocouple that cuts off the gas supply in case of accidental extinguishing of the flame.

2| Epoxy-coated steel base with anti-scratch PVC ring. With screw key and flame stabilizer. CE compliant with directive 90/396.

Code	Connection	Tube (Ø X height)	Gas type
FFJ022	Olive	11x130 mm	Liquid gas (LPG)
FFJ023	Olive	11x130 mm	Natural gas
FFJ024	Olive	11x150 mm	Poligas
FFJ033	Threaded 1/4"	11x130 mm	Liquid gas (LPG)
FFJ034	Threaded 1/4"	11x130 mm	Natural gas
FFJ035	Threaded 1/4"	11x150 mm	Poligas

## FFJ - Burners

### Secur-flame bunsen burner with piezoelectric ignition



1| Equipped with a safety valve homologated and controlled by a thermocouple that cuts off the gas supply in case of accidental extinguishing of the flame.

2| Epoxy-coated steel base with anti-scratch PVC ring. Equipped with a piezoelectric ignition system. CE compliant with directive 90/396.

Code	Connection	Gas type	Ø base	Height
FFJ026	Olive	Liquid gas (LPG)	90 mm	150 mm
FFJ027	Olive	Natural gas	90 mm	150 mm
FFJ036	Threaded 1/4"	Liquid gas (LPG)	90 mm	150 mm
FFJ037	Threaded 1/4"	Natural gas	90 mm	150 mm

### Mecheros Meker



1| With grid, key and air regulator. Epoxy-coated steel base with anti-scratch PVC ring.

2| CE compliant with directive 90/396.

Code	Connection	Gas type	Ø base	Height
FFJ028	Olive	Liquid gas (LPG)	90 mm	150 mm
FFJ029	Olive	Natural gas	90 mm	150 mm
FFJ038	Threaded 1/4"	Liquid gas (LPG)	90 mm	150 mm
FFJ039	Threaded 1/4"	Natural gas	90 mm	150 mm

## FFL - Tongs for crucibles, capsules



1| With neck and serrated curved tips for secure grip.

Code	Total length	Material	Aperture
FFL001	150 mm	Chromeplated steel	20 mm
FFL002	200 mm	Chromeplated steel	28 mm
FFL003	250 mm	Chromeplated steel	32 mm
FFL004	300 mm	Chromeplated steel	32 mm
FFL005	350 mm	Chromeplated steel	32 mm
FFL006	400 mm	Chromeplated steel	40 mm
FFL007	450 mm	Chromeplated steel	40 mm
FFL009	200 mm	Stainless steel	25 mm
FFL010	250 mm	Stainless steel	28 mm
FFL011	300 mm	Stainless steel	32 mm

**F** | FFL - Tongs for crucibles, capsules

## ▶ Evaporating dish tongs



1 | For porcelain capsules or other flat-bottomed containers

Code	Total length	Aperture
FFL012	260 mm	65/190 mm

**F** | FFN - Tongs for beakers, tubes

## ▶ Beaker tong, 2 and 3 prongs



1 | Made of chromed steel, with PVC tips for a better grip.

Code	Model	Aperture	Length
FFN001	2 prongs	50/150 mm	260 mm
FFN002	3 prongs	0/160 mm	250 mm
FFN003	3 prongs	0/220 mm	300 mm

## ▶ For test tubes

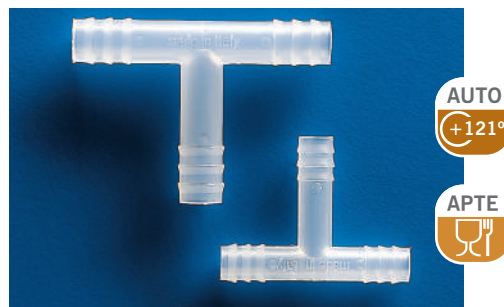


1 | For tubes up to 25 mm in diameter.

Code	Material	Long	Lot
FFN005	Acero	150 mm	10
FFN006	Wood	180 mm	10

**F** | FHB - Connectors

## ▶ 'T' connector, PP


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APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB017	FHB087	4 mm	1,6 mm
FHB018	FHB088	6 mm	3,7 mm
FHB019	FHB089	8 mm	4,4 mm
FHB015	FHB090	10 mm	6,3 mm
FHB016	FHB091	12 mm	8,2 mm
FHB020	FHB092	14 mm	10 mm
FHB021	FHB093	16 mm	12,1 mm

## ▶ Y connectors, PP


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APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB025	FHB107	4-5-6 mm	1,5 mm
FHB026	FHB108	6-7-8 mm	2,7 mm
FHB027	FHB109	8-9-10 mm	4,7 mm
FHB022	FHB110	10-11-12 mm	5,5 mm
FHB023	FHB111	12-13-14 mm	7,6 mm
FHB024	FHB112	14-15-16 mm	9,6 mm

## ▶ Unión forma 'Y', PP


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APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB030	FHB094	4 mm	2,0 mm
FHB031	FHB095	6 mm	2,7 mm
FHB034	FHB096	8 mm	4,6 mm
FHB028	FHB097	10 mm	5,5 mm
FHB029	FHB098	12 mm	7,3 mm
FHB032	FHB099	14 mm	9,7 mm
FHB033	FHB100	16 mm	11,9 mm



FHB - Connectors

▶ For tubes with different diameters, PP **Kartell**



AUTO  
+121°

APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB047	FHB116	4-6-8/10-12 mm	1,6/4,6 mm
FHB048	FHB117	4-6-8/12-14-16 mm	1,6/7,5 mm
FHB049	FHB118	8-10-12/14-16 mm	4,6/7,5 mm

▶ Linear connection 1 piece, PP **Kartell**

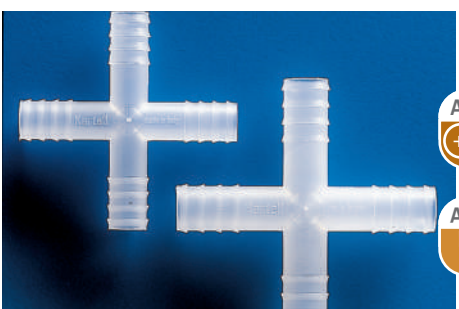


AUTO  
+121°

APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB038	FHB101	4-5-6 mm	2 mm
FHB039	FHB102	6-7-8 mm	3,5 mm
FHB040	FHB103	8-9-10 mm	4,5 mm
FHB035	FHB104	10-11-12 mm	6,5 mm
FHB036	FHB105	12-13-14 mm	8,5 mm
FHB037	FHB106	14-15-16 mm	10,5 mm

▶ 4 way connectors PP **Kartell**



AUTO  
+121°

APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB005	FHB077	3,5 mm	1,5 mm
FHB006	FHB078	6 mm	2,7 mm
FHB007	FHB079	8 mm	4,6 mm
FHB001	FHB080	10 mm	7 mm
FHB002	FHB081	12 mm	8 mm
FHB003	FHB082	13,5 mm	9,5 mm
FHB004	FHB083	15 mm	11,60 mm

FHB - Connectors

▶ L connectors PP **Kartell**



AUTO  
+121°

APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB012	FHB070	4 mm	1,3 mm
FHB013	FHB071	6 mm	2,5 mm
FHB014	FHB072	8 mm	4,5 mm
FHB008	FHB073	10 mm	6 mm
FHB009	FHB074	12 mm	8 mm
FHB010	FHB075	14 mm	10,5 mm
FHB011	FHB076	16 mm	11,6 mm

▶ Disconnecter PE **Kartell**



AUTO  
+121°

APTE

Code (pack 100)	Code (pack 10)	Ø outer nominal	Ø interior
FHB042	FHB084	4-5-6 mm	1,6 mm
FHB043	FHB085	6-7-8 mm	2,7 mm
FHB044	FHB086	8-9-10 mm	3,6 mm
FHB045	FHB113	10-11-12 mm	5,5 mm
FHB046	FHB114	12-13-14 mm	7,3 mm
FHB041	FHB115	14-15-16 mm	8,8 mm

FHD - Clamps

▶ Hoffman



1 | For compressing latex tubes and adjusting flow. Compressor screw and base with two positions.

Code	Aperture	Material
FHD001	12 mm	Nickel plated metal
FHD002	17 mm	Nickel plated metal
FHD003	20 mm	Nickel plated metal
FHD004	25 mm	Nickel plated metal
FHD005	30 mm	Nickel plated metal
FHD006	40 mm	Nickel plated metal

**FHD - Clamps**

▶ Mohr



Code	Length	Material
FHD007	40 mm	Nickel plated metal
FHD012	45 mm	Nickel plated metal
FHD008	50 mm	Nickel plated metal
FHD009	60 mm	Nickel plated metal
FHD010	70 mm	Nickel plated metal
FHD011	80 mm	Nickel plated metal

**FHG - Valves and indicators**

▶ Interception taps, PP and HDPE



1 | Ideal for liquids and gases under low pressure or low vacuum.

Code	Ø outer nominal	Bore	Lot
FHG004	8 mm	4,9 mm	10
FHG001	10 mm	7 mm	10
FHG002	14 mm	10,9 mm	10
FHG003	16 mm	12,7 mm	10

▶ Flow indicator



1 | For liquids of 50 mL/min in horizontal position and 140 mL/min in vertical position.

2 | Minimum air flow 3l/min in horizontal position and 8 l/min in vertical position.

3 | Avoid the use of corrosive liquids or at temperatures above 50 °C.

Code	Dimensions	Ø outer conexiones
FHG005	102x14x57 mm	6,5 / 10 mm

**FHG - Valves and indicators**

▶ Flow indicator, paddle wheel



1 | For liquids up to 5 mL/s. Recommended maximum flow rate up to 95 mL/s, maximum pressure 2 bar.

2 | Can be used with gases.

3 | Avoid the use of corrosive liquids or at temperatures above 85 °C.

Code	Dimensions	Ø outer conexiones
FHG006	90x15x40 mm	6 / 11 mm

**FHL - Tubing for peristaltic pumps**

▶ NORPRENE® A-60-G tube



1 | Very good chemical and abrasion resistance.

2 | Density= 0,98

3 | Shore hardness=61.

4 | Temperature from -60°C to +135°C.

5 | Thermoweldable and thermodeformable. Low gas permeability compared to rubber pipes.

Code	Ø int.	Ø ext.	Thickness	Roll
FHL020	3,20 mm	6,40 mm	1,60mm	15 m
FHL022	4,80 mm	8,00 mm	1,60mm	15 m
FHL025	6,40 mm	9,60 mm	1,60mm	15 m
FHL030	8,00 mm	12,80 mm	2,40mm	15 m

\* Other dimensions available CONSULT



FHN - Tubing for laboratory

Orange rubber tube K32

Kartell



1 | Used to transfer non-corrosive gases or liquids, acids of medium concentration. Temperature: -35 °C + 70 °C.

Code	Dimensions (Øint. x Øext.)	Roll
FHN082	3x5 mm	10 m
FHN083	4x7 mm	10 m
FHN084	5x8 mm	10 m
FHN085	6x12 mm	10 m
FHN086	6x9 mm	10 m
FHN087	8x12 mm	10 m
FHN088	8x13 mm	10 m
FHN089	10x14 mm	10 m
FHN090	12x17 mm	10 m

K120 tube for vacuum

Kartell



1 | Fabric impression surface, suitable for air, water, medium concentration acid and alkaline solutions, abrasive products, oxygenated solvents.  
2 | Temperature: -40 °C + 70 °C.

Code	Dimensions (Øint. x Øext.)	Roll
FHN091	5x15 mm	6 m
FHN092	6x18 mm	6 m
FHN093	8x16 mm	6 m
FHN094	12x21 mm	6 m

Latex tubing

Kartell

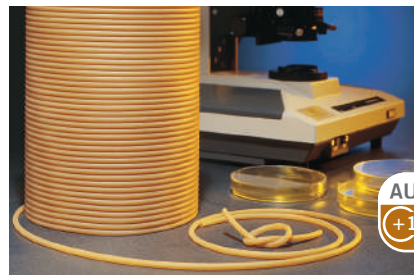


1 | Made of transparente latex, Smooth surface. Density 0,92. Autoclavable.

Code	Dimensions (Øint. x Øext.)	Roll
FHN135	4x7 mm	10 m
FHN136	6x9 mm	10 m
FHN137	8x12 mm	10 m
FHN138	12x17 mm	10 m

FHN - Tubing for laboratory

Latex tube

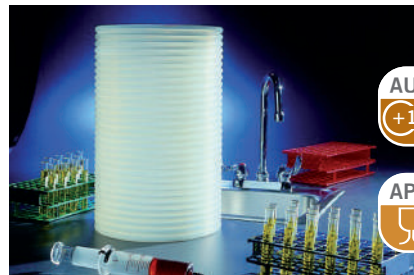


1 | It can be sterilized with moist heat. Density= 0,98 -Shore hardness A= 40±5.  
2 | Temperature from -35 °C to +70 °C (+ 120 °C humid heat). Elasticity over 500%.

Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN115	2.0 mm	4.0 mm	1,0 mm	2500 m	50 m
FHN116	3.0 mm	5.0 mm	1,0 mm	50 m	50 m
FHN117	4.0 mm	6.0 mm	1,0 mm	-	50 m
FHN118	4.0 mm	7.0 mm	1,5 mm	50 m	50 m
FHN120	5.0 mm	8.0 mm	1,5 mm	-	50 m
FHN121	5.0 mm	10.0 mm	2,5 mm	1000 m	50 m
FHN122	6.0 mm	9.0 mm	1,5 mm	-	50 m
FHN123	6.0 mm	10.0 mm	2,0 mm	50 m	50 m
FHN124	7.0 mm	10.0 mm	1,5 mm	-	25 m
FHN125	7.0 mm	11.0 mm	2,0 mm	25 m	25 m
FHN126	7.0 mm	13.0 mm	3,0 mm	600 m	25 m
FHN127	8.0 mm	12.0 mm	2,0 mm	-	25 m
FHN128	8.0 mm	16.0 mm	4,0 mm	25 m	25 m
FHN129	10.0 mm	14.0 mm	2,0 mm	-	25 m
FHN130	10.0 mm	15.0 mm	2,5 mm	-	25 m
FHN131	12.0 mm	17.0 mm	2,5 mm	25 m	25 m
FHN132	15.0 mm	21.0 mm	3,0 mm	25 m	25 m
FHN133	18.0 mm	24.0 mm	3,0 mm	25 m	25 m
FHN134	20.0 mm	27.0 mm	3,5 mm	25 m	25 m

\* Other dimensions available CONSULT

Versilic® tube



1 | High purity translucent silicone. Biologically neutral (USP XXIII class VI). Manufactured according to GMP.  
2 | According to European Pharmacopoeia tests (2<sup>nd</sup> edition).  
3 | Density: 1,2 - Shore hardness : A=60±5. Temperature - 60 °C to +200 °C. Conforms to FDA criteria.

Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN163	4.0 mm	7.0 mm	1.5 mm	-	25 m
FHN165	4.0 mm	10.0 mm	3.0 mm	25 m	25 m
FHN169	5.0 mm	10.0 mm	2.5 mm	-	25 m
FHN170	6.0 mm	8.0 mm	1.0 mm	1300 m	25 m
FHN174	7.0 mm	10.0 mm	1.5 mm	-	25 m
FHN178	8.0 mm	11.0 mm	1.5 mm	-	25 m
FHN179	8.0 mm	12.0 mm	2.0 mm	-	25 m
FHN191	15.0 mm	21.0 mm	3.0 mm	25 m	25 m
FHN192	0.5 mm	2.5 mm	1.0 mm	1000 m	50 m
FHN193	1.0 mm	3.0 mm	1.0 mm	-	50 m
FHN194	1.5 mm	3.0 mm	0.75 mm	-	50 m
FHN195	2.0 mm	4.0 mm	1.0 mm	-	50 m
FHN198	3.0 mm	5.0 mm	1.0 mm	-	50 m
FHN199	3.0 mm	5.5 mm	1.25 mm	50 m	50 m
FHN202	4.0 mm	6.0 mm	1.0 mm	-	50 m

\* Other dimensions available CONSULT



FHN - Tubing for laboratory

Versitec® tube



- 1 | Translucent, hydrophobic, minimal stretching, very good surface.
- 2 | FDA and BgVV food grade. Density= 1,19 - Shore hardness A=60±5 (standard). Temperature from -50°C to +200°C (steam sterilisable).

Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN235	6.0 mm	8.0 mm	1.0 mm	1000 m	25 m
FHN237	6.0 mm	10.0 mm	2.0 mm	25 m	25 m
FHN244	8.0 mm	12.0 mm	2.0 mm	-	25 m
FHN245	8.0 mm	14.0 mm	3.0 mm	25 m	25 m
FHN249	10.0 mm	16.0 mm	3.0 mm	25 m	25 m

\* Other dimensions available, PLEASE INQUIRE

Versinic ISO tube



- 1 | 100% fluoroelastomer. Excellent chemical resistance to strong acids, oxidants, chlorinated solvents, aromatic carbides.
- 2 | Good flame resistance. Black colour.
- 3 | Density= 1.9 - Shore hardness A=60±5 up to Ø 4x6 mm and A=70±5 from Ø 4x8 mm. Temperature -20 °C to +200 °C (peaks up to 300 °C).

Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN270	4.0 mm	6.0 mm	1.0 mm	-	5 m
FHN273	6.0 mm	9.0 mm	1.5 mm	-	5 m
FHN275	6.0 mm	12.0 mm	3.0 mm	-	5 m
FHN279	10.0 mm	14.0 mm	2.0 mm	200 m	5 m

\* Other dimensions available, PLEASE INQUIRE

PTFE tube



Code	Dimensions (Øint. x Øext.)	Roll
FHN302	10x12 mm	5 m
FHN303	12x14 mm	5 m
FHN304	2x4 mm	5 m
FHN305	3x5 mm	5 m
FHN308	7x9 mm	5 m

\* Other dimensions available, PLEASE INQUIRE

FHN - Tubing for laboratory

Neoprene tubes



- 1 | For normal laboratory use, resistant to acids and solvents except benzole and related.
- 2 | Temperature down to -35 °C / +85 °C.

Code	Dim. (Øint. x Øext.)	Roll
FHN326	4x6 mm	20 m
FHN327	6x9 mm	20 m
FHN328	8x12 mm	10 m
FHN329	10x14 mm	10 m

TYGON® S3 E-3603 tube



- 1 | Performance tested on peristaltic pumps. Other FDA directives regarding bio-compatibility. According to USP ClassVI criteria.
- 4 | Density=1,2 - Shore hardness=66. Temperature from -46°C to +74°C. Transparent.

Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN340	1.6 mm	3.2 mm	0.8 mm	3000 m	15 m
FHN341	3.2 mm	6.4 mm	1.6 mm	-	15 m
FHN342	4.8 mm	8.0 mm	1.6 mm	-	15 m
FHN343	4.8 mm	9.5 mm	2.4 mm	-	15 m
FHN345	6.4 mm	11.2 mm	2.4 mm	15 m	15 m
FHN349	9.6 mm	15.9 mm	3.2 mm	15 m	15 m
FHN350	12.7 mm	19.1 mm	3.2 mm	15 m	15 m

\* Other dimensions available, PLEASE INQUIRE

TYGON® S3 E-3603 vacuum tube



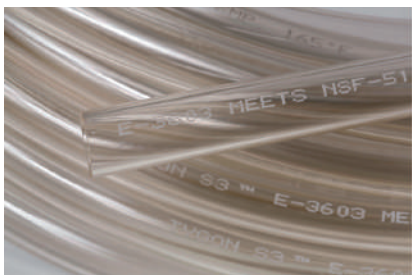
Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN354	6.4 mm	16.0 mm	4.8 mm	15 m	15 m
FHN355	9.5 mm	22.3 mm	6.4 mm	-	15 m

\* Other dimensions available, PLEASE INQUIRE



FHN - Tubing for laboratory

Tygon S3 E-3603 tube



Code	Ø int.	Ø ext.	Thickness	Min. order quantity	Roll
FHN613	0.8 mm	2.4 mm	0.8 mm	-	15 m
FHN614	1.6 mm	4.8 mm	1.6 mm	-	15 m
FHN615	2.4 mm	4.0mm	0.8 mm	-	15 m
FHN616	2.4 mm	5.6 mm	1.6 mm	1500 m	15 m
FHN650	4.0 mm	6.0 mm	1.0 mm	15 m	15 m
FHN619	4.8 mm	6.4 mm	0.8 mm	15 m	15 m
FHN621	6.4 mm	8.0 mm	0.8 mm	-	15 m

\* Other dimensions available, PLEASE INQUIRE

FHQ - Tubes for chemical process

Versilon SE-200 tubes



Code	Ø int.	Ø ext.	Thickness	Roll
FHQ015	3.2 mm	6.4 mm	1.6	15 m
FHQ016	4.8 mm	8.0 mm	1.6	15 m
FHQ017	9.6 mm	14.3 mm	2.4	15 m

FHV - Tubing for industrial use

Versilic® PTFE tubes



Code	Ø int.	Ø ext.	Roll	Min. order quantity
FHV001	2,0 mm	3,0 mm	100 m	700 m
FHV002	2,0 mm	4,0 mm	25 m	25 m
FHV008	4,0 mm	6,0 mm	25 m	400 m
FHV011	5,0 mm	6,0 mm	50 m	950 m
FHV014	6,0 mm	8,0 mm	25 m	300 m
FHV020	8,0 mm	10,0 mm	25 m	200 m
FHV017	10,0 mm	12,0 mm	25 m	200 m
FHV026	18,0 mm	20,0 mm	30 m	

\* Other dimensions available, PLEASE INQUIRE

FHX - Tubing for medical use

TYGON® ND-100-80 tube



- 1 | Rigid, yet flexible to avoid perforation. Micro-diameter sizes correspond to needles 30 to 17. Ideal for precision injections and administrations. Transparent.
- 2 | Complies with USP Class VI criteria. Density=1,24 - Shore hardness A=80. Temperature from -31°C to +85°C.

Code	Ø int.	Ø ext.	Thickness	Roll
FHX001	0.254 mm	0.762 mm	0.254 mm	150 m
FHX003	0.762 mm	2.286 mm	0.762 mm	150 m

\* Other dimensions available, PLEASE INQUIRE

Sylicon tubing k 70



- 1 | Flexible and transparent.
- 2 | Compliant with FDA 21 CFRs 177, 2600, PhEur 3.1.9. Temperature: -60 °C+200 °C.

Code	Dimensions (Øint. x Øext.)	Roll
FHX006	1x3 mm	10 m
FHX007	2x4 mm	10 m
FHX008	3x5 mm	10 m
FHX009	4x6 mm	10 m
FHX010	5x8 mm	10 m
FHX011	6x9 mm	10 m
FHX012	7x11 mm	10 m
FHX013	8x12 mm	10 m
FHX014	9x13 mm	10 m
FHX015	10x14 mm	10 m
FHX016	12x17 mm	10 m
FHX017	14x19 mm	10 m

K30, PVC tube



- 1 | Does not contain DEHP. Temperature: -15 °C+60 °C. Compliant with PhEur 3.1.1.1 / USP XXXII 2009.

Code	Dimensions (Øint. x Øext.)	Roll
FHX018	3x5 mm	20 m
FHX022	8x12 mm	20 m
FHX023	10x14 mm	20 m

\* Other dimensions available, PLEASE INQUIRE

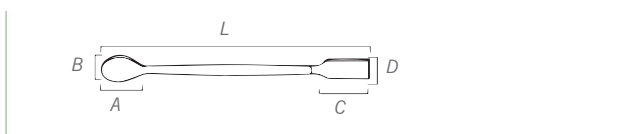


FKB - Spoon-spatula

▶ Spatula spoon-flat



DIMENSIONS



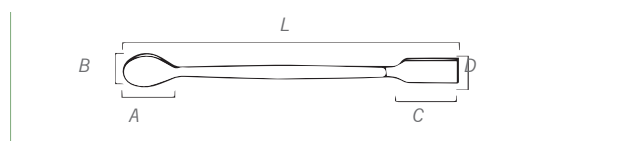
1 | Made of AISI304 stainless steel.

Code	L	AxB	CxD	Lot
FKB005	150 mm	15x20 mm	25x12 mm	10
FKB006	200 mm	30x20 mm	32x15 mm	10
FKB007	230 mm	30x20 mm	30x15 mm	-

▶ Spatula spoon-flat reinforced



DIMENSIONS



1 | Made of AISI304 stainless steel.

Code	Lenght	AxB	CxD	Lot
FKB008	100 mm	20x15 mm	22x13 mm	10
FKB009	125 mm	20x14 mm	18x14 mm	10
FKB010	150 mm	25x19 mm	30x19 mm	10
FKB011	200 mm	30x25 mm	30x25 mm	10
FKB012	250 mm	28x21 mm	35x20 mm	10



Code	Lenght
FKB515	120 mm
FKB516	150 mm
FKB517	180 mm
FKB518	210 mm
FKB519	250 mm
FKB520	300 mm

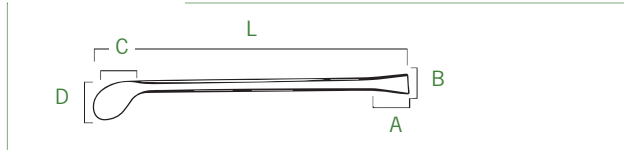


FKB - Spoon-spatula

▶ Flat-curved spoon spatula



DIMENSIONS



1 | Made of stainless steel.

Code	Lenght	AxB	CxD
FKB020	195 mm	20x13 mm	30x20 mm

▶ General purpose spoon+spatula



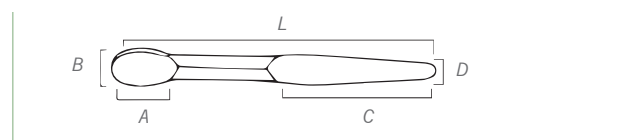
Code	Diameter	Spoon	Lenght
FKB528	5 mm	15x35 mm	150 mm
FKB529	5 mm	15x35 mm	180 mm
FKB531	5 mm	15x35 mm	210 mm
FKB549*	5 mm	15x35 mm	210 mm
FKB533	5 mm	15x35 mm	250 mm
FKB532	8 mm	28x65 mm	210 mm
FKB534	8 mm	28x65 mm	250 mm
FKB536	8 mm	28x65 mm	300 mm
FKB537	8 mm	28x65 mm	400 mm
FKB538	8 mm	28x65 mm	500 mm

\* for left hand

▶ Trough spatula, groove-spoon



DIMENSIONS



1 | Made of AISI304 stainless steel.

Code	Lenght	AxB	CxD	Lot
FKB022	200 mm	30x24 mm	90x17 mm	10

## ▶ FKB - Spoon-spatula

## ▶ Groove spoon spatula

## DIMENSIONS



1 | Made of AISI304 stainless steel.

Code	Lenght	AxB	CxD	Lot
FKB015	120 mm	15x13 mm	15x10 mm	10
FKB016	140 mm	20x15 mm	17x11 mm	10
FKB017	160 mm	25x18 mm	17x12 mm	10
FKB018	180 mm	30x20 mm	20x13 mm	10

## ▶ Spatula spoon



1 | Made of AISI304 stainless steel.

Code	Spoon width	Lenght
FKB042	7 mm	60 mm

## ▶ Chemists spoon, standard



Code	Lenght
FKB527	150 mm

## ▶ Chemists spoon with wide end



Code	Lenght
FKB522	150 mm
FKB523	200 mm
FKB524	240 mm
FKB525	280 mm
FKB526	320 mm

## ▶ FKB - Spoon-spatula

## ▶ Spatula with spoon, for analysis



1 | Made of AISI304 stainless steel.

Code	Lenght	AxB	CxD	Lot
FKB021	235 mm	40x19 mm	48x10 mm	10

## ▶ Spoon and spatula



Code	Lenght
FKB547	120 mm
FKB545	150 mm
FKB546	180 mm
FKB544	210 mm
FKB539	230 mm

## ▶ Spoon spatula with rod handle



Code	Lenght
FKB540	150 mm
FKB541	180 mm
FKB542	210 mm
FKB543	250 mm

## ▶ Micro spoon spatula



Code	Wide	Lenght
FKD505	5 mm	100 mm
FKD513	5 mm	150 mm
FKD510	7 mm	150 mm
FKD506	5 mm	185 mm
FKD511	7 mm	185 mm
FKB507	5 mm	210 mm
FKB512	7 mm	210 mm
FKB508	5 mm	300 mm
FKB509	5 mm	400 mm

**FKB - Spoon-spatula**
**Spatula spoon-flat**

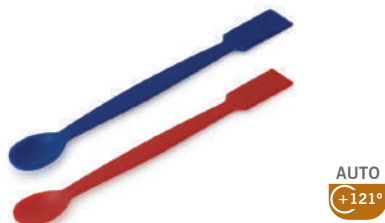

1 | In glazed porcelain.

Code	Dimensions	Reels
FKB023	88 mm	13 mm



1 | In glazed porcelain.

Code	Dimensions
FKB024	103 mm
FKB025	148 mm
FKB026	164 mm
FKB027	187 mm
FKB028	200 mm
FKB029	250 mm

**Spatula spoon, PP**


1 | High resistance to chemicals and solvents. Can be autoclaved.

Code	Colour	Ø spatula	Ø spoon	Lenght	Lot
FKB030	Blue	16x35 mm	20x30 mm	16 cm	10
FKB033	Red	16x35 mm	20x30 mm	16 cm	10
FKB031	Blue	17x35 mm	20x35 mm	18 cm	10
FKB034	Red	17x35 mm	20x35 mm	18 cm	10
FKB032	Blue	19x35 mm	20x30 mm	20 cm	10
FKB035	Red	19x35 mm	20x30 mm	20 cm	10



1 | Made of glass fibre filled nylon. Excellent chemical resistance.

Code	Lenght
FKB036	180 mm
FKB037	210 mm
FKB038	150 mm
FKB039	180 mm

**FKG - Spatula**
**Micro spoon spatula**


Code	Description	Wide	Lenght
FKG516	Stainless steel, flexible	18/22 mm	75 mm
FKG517	Stainless steel, flexible	18/22 mm	100 mm
FKG518	Stainless steel, flexible	18/22 mm	130 mm
FKG519	Stainless steel, flexible	18/22 mm	150 mm
FKG539	Chromed steel, tempered	18/22 mm	100 mm

**Spatula with wooden/plastic knob**


Code	Description	Wide	Lenght
FKG553	With plastic handle	18 mm	75 mm
FKG554	With wooden handle	20 mm	100 mm
FKG555	With wooden handle	20 mm	130 mm
FKG568	With wooden handle	22 mm	150 mm
FKG550	With plastic handle	20 mm	100 mm
FKG552	With plastic handle	22 mm	150 mm

**Spatula, wooden handle**


1 | Conical and flexible blade.

Code	Description	Wide	Lenght
FKG542	Chromed steel, tempered	18/22 mm	75 mm
FKG521	Stainless steel, flexible	18/22 mm	100 mm
FKG522	Stainless steel, flexible	18/22 mm	130 mm
FKG544	Chromed steel, tempered	18/22 mm	130 mm
FKG523	Stainless steel, flexible	18/22 mm	150 mm
FKG546	Chromed steel, tempered	18/22 mm	200 mm
FKG547	Chromed steel, tempered	18/22 mm	250 mm

**Spatula extremely flexible blade**


1 | Flexible blade, stainless steel with wooden handle.

Code	Wide	Total lenght
FKG524	10 mm	150 mm
FKG526	20 mm	150 mm



## FKG - Spatula

## ▶ Spatula extremely flexible blade



Code	Description	Wide	Total length
FKJ501 (1)	Blade front rounded	3 mm	150 mm
FKJ502 (1)	Blade front rounded	5 mm	150 mm
FKG530 (2)	Powder spatula	3 mm	150 mm
FKG531 (2)	Powder spatula	4 mm	150 mm
FKJ532 (2)	Powder spatula	5 mm	150 mm
FKP516 (3)	Spoon shaped bent	5 mm	150 mm

## ▶ Spatula with plastic knob



Code	Description	Lenght
FKG533	Narrow shaped	150 mm
FKG534	Narrow shaped	210 mm
FKG535	Narrow shaped	250 mm
FKG557	Wide shaped	200 mm
FKG559	Wide shaped	300 mm
FKG561	Wide shaped	500 mm

## FKL - Double spatula

## ▶ Powder spatula



Code	Wide	Lenght
FKL523	9 mm	130 mm
FKL524	9 mm	150 mm
FKL525	9 mm	185 mm
FKL526	9 mm	210 mm

## ▶ Double spatula



Code	Description	Wide	Lenght
FKL516	Flexible	9 mm	130 mm
FKL539	Rigid	9 mm	130 mm
FKL517	Flexible	9 mm	150 mm
FKL540	Rigid	9 mm	150 mm
FKL518	Flexible	9 mm	185 mm
FKL541	Rigid	9 mm	185 mm
FKL519	Flexible	11 mm	210 mm
FKL542	Rigid	11 mm	210 mm
FKL520	Flexible	11 mm	250 mm
FKL543	Rigid	11 mm	250 mm
FKL544	Rigid	16 mm	300 mm
FKL545	Rigid	16 mm	350 mm
FKL546	Rigid	20 mm	400 mm
FKL547	Rigid	20 mm	500 mm

## FKL - Double spatula

## ▶ Double spatula with one curved end



Code	Wide	Lenght
FKL527	9 mm	150 mm
FKL529	9 mm	185 mm
FKL530	9 mm	210 mm
FKL532	9 mm	230 mm

## ▶ Double spatula with one curved end



Code	Description	Wide	Lenght
FKL528	Double	10 mm	180 mm
FKP517	Single	10 mm	180 mm
FKL531	Double	10 mm	210 mm
FKP518	Single	10 mm	210 mm

## ▶ Double spatula, wide version



Code	Description	Wide	Lenght
FKL533	Double	20 mm	150 mm
FKP534	Single	20 mm	200 mm
FKL536	Double	30 mm	300 mm
FKP537	Single	30 mm	400 mm
FKP538	Single	30 mm	500 mm

## FKN - Double spatula, micro

## ▶ Micro double spatula



Code	Wide	Lenght
FKN508	2 mm	100 mm
FKN509	2 mm	130 mm
FKN510	2 mm	150 mm
FKN511	3 mm	100 mm
FKN512	3 mm	130 mm
FKN513	3 mm	150 mm
FKN515	4 mm	100 mm
FKN516	4 mm	130 mm
FKN517	4 mm	150 mm
FKN519	4 mm	210 mm
FKN520	5 mm	100 mm
FKN521	5 mm	130 mm
FKN524	5 mm	210 mm
FKN526	6 mm	150 mm
FKN527	6 mm	185 mm
FKN528	6 mm	210 mm



## FKN - Double spatula, micro

### ▶ Micro double spatula



Code	Wide	Lenght
FKN555	7 mm	140 mm
FKN529	7 mm	160 mm
FKN530	7 mm	210 mm

### ▶ Micro powder spatula



Code	Wide	Lenght
FKN531	3 mm	150 mm
FKN532	3 mm	210 mm
FKN533	4 mm	130 mm
FKN534	4 mm	150 mm
FKN535	4 mm	185 mm
FKN536	5 mm	150 mm
FKN537	6 mm	130 mm
FKN538	6 mm	150 mm
FKN539	6 mm	185 mm
FKN540	6 mm	210 mm
FKN541	7 mm	150 mm

### ▶ Micro double spatula



Code	Wide	Lenght
FKN544	3 mm	150 mm
FKN545	3 mm	185 mm
FKN546	5 mm	100 mm
FKN547	5 mm	130 mm
FKN548	5 mm	150 mm
FKN549	5 mm	185 mm
FKN550	5 mm	210 mm
FKN552	6 mm	150 mm

## FKP - Spoons

### ▶ Micro double spatula



Code	Wide	Lenght
FKP514	9 mm	170 mm

## FKR - Double spoons

### ▶ Chemical spoon



Code	Lenght
FKR502	120 mm
FKR503	150 mm
FKR504	180 mm
FKR505	210 mm
FKR506	250 mm
FKR507	300 mm

### ▶ Chemical spoon, open end



Code	Lenght
FKR508	150 mm
FKR509	180 mm

## FKT - Double micro spoon spatula

### ▶ Micro double spatula, both ends spoon shaped



Code	Wide	Lenght
FKT501	5 mm	130 mm
FKT502	5 mm	150 mm
FKT505	7 mm	150 mm
FKT503	5 mm	185 mm
FKT506	7 mm	185 mm
FKT504	5 mm	210 mm
FKT507	7 mm	250 mm

### ▶ Micro double spatula, one end spoon shaped



Code	Wide	Lenght
FKT508	5 mm	150 mm
FKT509	5 mm	185 mm

## ▶ FKW - Scoops

## ▶ Industrial scoop, HDPE

 ENDO  
plasticware


1 | Neutral colour.

Code	Capacity	Total length	Usable length
FKW002	250 mL	24 cm	15,5 cm
FKW004	600 mL	30 cm	19,5 cm
FKW001	1100 mL	36 cm	24 cm
FKW003	2500 mL	40 cm	28,5 cm



Kartell

1 | Neutral color.

Code	Capacity	Dimensions	Lot
FKW014	250 mL	25 cm	25
FKW015	500 mL	30 cm	25
FKW012	1000 mL	40 cm	25
FKW013	1500 mL	40 cm	25

## ▶ Stainless steel shovel with handle

 ENDO  
metalware


1 | Made of AISI 304 stainless steel and AISI 316 steel. They have a plain surface and are easy to clean. They are suitable for use in the pharmaceutical industry.

Code	Total length (mm)	Useful length (mm)	Width (mm)	Volume (mL)
FKW023	320	150	82	250
FKW024	360	200	102	500
FKW027*	320	150	50	120
FKW028*	250	145	75	450

\*AISI 316

## ▶ FKW - Scoops

## ▶ Measuring scoop, PP

Kartell



1 | Neutral color.

Code	Capacity	Dimensions	Lot
FKW005	10 mL	32x103x16 mm	12
FKW008	25 mL	43,8x137x3x21 mm	12
FKW010	50 mL	55,4x163,7x26 mm	12
FKW006	100 mL	67,2x201,7x34 mm	12
FKW009	250 mL	94x261,5x43,7 mm	6
FKW011	500 mL	112x315x55 mm	6
FKW007	1000 mL	141x386,6x69,4 mm	6


 ENDO  
plasticware

1 | Neutral color.

Code	Capacity	Dimensions	Lot
FKW032	10 mL	76x35x15 mm	6
FKW033	25 mL	128x45x21 mm	6
FKW034	50 mL	162x52x27 mm	6
FKW035	100 mL	220x70x35 mm	6
FKW036	250 mL	264x90x42 mm	6
FKW037	500 mL	317x114x58 mm	6
FKW038	1000 mL	390x140x72 mm	6



VITLAB

1 | Precisely shaped filler edge and solid, comfortable handle. Clearly legible volume indication on the top of the handle.

Code	Volume	Length
FKW501	2 mL	60 mm
FKW502	5 mL	82 mm
FKW503	25 mL	135 mm
FKW504	50 mL	160 mm
FKW505	100 mL	200 mm
FKW506	250 mL	260 mm
FKW507	500 mL	315 mm
FKW508	1000 mL	385 mm



**FKW - Scoops**

**Measuring scoop PP**



1 | Precisely shaped filler edge and solid, comfortable handle. Volume reference clearly legible on the top of the handle

Code	Volume	Colour
FKW516	50 mL	Blue
FKW517	100 mL	Red
FKW518	100 mL	Yellow
FKW519	100 mL	Blue
FKW520	100 mL	Green
FKW521	100 mL	Blue vif
FKW522	100 mL	Set of 9 scoops PP colour
FKW546	250 mL	Blue
FKW547	250 mL	Red

**Weighing funnel, glass**



1 | Funnel to weigh substances made of glass. Suitable for high precision weighing.

Code	Capacity	Lot
FKW039	3 mL	10
FKW040	6 mL	10
FKW041	10 mL	10



The dissection articles are exclusively for didactic and veterinary use, not for medical use. Except those with CE marking.

Disinfect before use. Wash your hands with an antibacterial soap before use.

Under no circumstances should instruments with rust or corrosion be used.

Never leave a dirty instrument to dry. Moisten immediately.

They can be subjected to repeated ultrasonic cleaning.

The instruments can be sterilized by means of an autoclave:

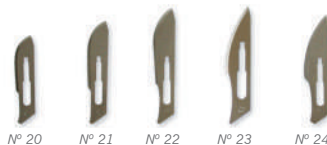
1. Use distilled water
2. Remove the remains of blood tissue with a nylon brush.
3. Leave the instruments open during the autoclaving process. Place the fine parts and cutters in the upper part of the device.
4. Autoclave in 4/6 minutes at 132 °C (270 °F).
5. Dry for 4/5 minutes.
6. Do not leave the instruments in the autoclave.
7. After sterilization, leave a drop of silicone oil for proper functioning.

**FMB - Scalpels - blades**

**Scalpel blades**



N° 10 N° 11 N° 15



- 1 | Made of carbon steel, individually packed. Sterile.
- 2 | Each model is represented by a universal number that identifies both their size and shape.

Code	Number	For handles N°	Packaging	Lot
FMB012	N° 10	3	Pack of 100 units	50
FMB013	N° 11	3	Pack of 100 units	50
FMB014	N° 15	3	Pack of 100 units	50
FMB015	N° 20	4	Pack of 100 units	50
FMB016	N° 21	4	Pack of 100 units	50
FMB017	N° 22	4	Pack of 100 units	50
FMB018	N° 23	4	Pack of 100 units	50
FMB019	N° 24	4	Pack of 100 units	50

**Scalpel handle**



- 1 | Made of stainless steel.

Code	Number	Total length	Lot
FMB020	n° 3 long	200 mm	10
FMB021	n° 3	125 mm	10
FMB022	n° 4 long	220 mm	10
FMB023	n° 4	140 mm	10



FMB - Scalpels - blades

Disposable scalpels



CE  
0434

1 | Blade made of carbon steel, handle made of plastic. Individually packed, sterile.

Code	Number	Lenght	Packaging	Lot
FMB004	10	135 mm	Pack of 10 units.	50
FMB005	11	135 mm	Pack of 10 units	50
FMB006	15	135 mm	Pack of 10 units	50
FMB007	20	160 mm	Pack of 10 units	50
FMB008	21	160 mm	Pack of 10 units	50
FMB009	22	160 mm	Pack of 10 units	50
FMB010	23	160 mm	Pack of 10 units	50
FMB011	24	160 mm	Pack of 10 units	50

Histologic folding knife



1 | Stainless steel handle and blade.

Code	Lenght	Handle	Lot
FMB001	110 mm	Metal	10
FMB002	110 mm	Plastic	10

Scalpel, fixed blade



Code FMB003



Code FMB025

AUTO  
+121°

1 | Non sterile.

Code	Total lenght	Blade lenght	Lot
FMB003	150 mm	40 mm	10
FMB025	170 mm	50 mm	-

FMB - Scalpels - blades

Sterile blood lancets



1 | Made of stainless steel.  
2 | Single-use for capillary blood taking. Sterile

Code	Packaging	Lot
FMB024	Pack of 200 uds	100

FMD - Dissecting needles

Dissecting pin



AUTO  
+121°

1 | Stainless steel needle.

Code	Total lenght	Handle	Lot
FMD001	145 mm	Inoxidable	10
FMD002	145 mm	Plastic	12
FMD009	140 mm	Plastic	10

Punta fina, forma lanceta



AUTO  
+121°

1 | Stainless steel needle.

Code	Total lenght	Handle	Lot
FMD003	130 mm	Inox.	10
FMD004	135 mm	Plastic	10

Grooved probe



AUTO  
+121°

1 | Made of stainless steel.

Code	Total lenght	Lot
FMD008	140 mm	10



**FMD - Dissecting needles**

**Histologic needle, curved tip**



1 | Stainless steel needle.

Code	Total length
FMD005	130 mm

**Catheter**



1 | In stainless steel.

Code	Total length
FMD006	140 mm
FMD007	200 mm

**FMG - Forceps, curved**

**London - College**



1 | Curved tip, in stainless steel.

Code	Total length	Lot
FMG001	115 mm	10
FMG002	150 mm	10

**Laboratory forceps**



1 | Curved tip, in stainless steel.

Code	Total length	Lot
FMG003	110 mm	10

**FMG - Forceps, curved**

**Laboratory forceps**



1 | 1.4301 stainless steel

Code	Total length
FMG503	105 mm
FMG504	115 mm
FMG505	130 mm
FMG506	145 mm
FMG507	160 mm
FMG508	200 mm

**FMJ - Forceps, straight**

**Dissection, without teeth**



1 | Made of stainless steel. Straight and striated tip.

Code	Total length	Lot
FMJ001	125 mm	10
FMJ002	140 mm	10
FMJ003	160 mm	10
FMJ004	200 mm	10
FMJ005	250 mm	10

**With teeth**



- 1 | Instead of striation on the tip they have teeth that fit into the teeth on the opposite side.
- 2 | Used to grasp gauze, they also provide a firm hold on the skin and hard tissues. In stainless steel.

Code	Teeth	Total length	Lot
FMJ008	1:2 teeth	125 mm	10
FMJ009	1:2 teeth	140 mm	10
FMJ010	1:2 teeth	160 mm	10
FMJ011	1:2 teeth	200 mm	10
FMJ012	2:3 teeth	130 mm	10
FMJ013	2:3 teeth	145 mm	10
FMJ014*	1:2 teeth	140 mm	10

\* fine tip



▶ FMJ - Forceps, straight

▶ Dissecting forceps



AUTO  
+121°

1 | Sharp stainless steel tip.

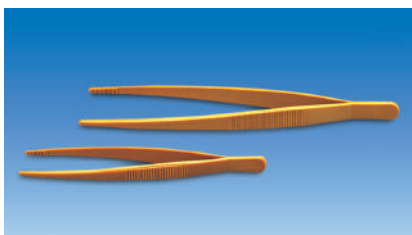
Code	Total length	Lot
FMJ006	115 mm	10
FMJ007	140 mm	10

▶ Forceps POM



AUTO  
+121°

Code	Number
FMJ015	115 mm
FMJ016	145 mm
FMJ017	250 mm



1 | Yellow, blunt, elastic, very good resilience. With grooves on the outside for optimum handling and grip.

Code	Number
FMJ501	115 mm
FMJ502	145 mm
FMJ503	180 mm
FMJ504	250 mm

▶ Forceps POM



AUTO  
+121°

Code	Type	Length
FMJ509	Premium quality	115 mm
FMJ510	Premium quality	130 mm
FMJ511	Premium quality	145 mm
FMJ531	Premium quality	200 mm
FMJ512	Premium quality	300 mm
FMJ519	Standard quality	105 mm
FMJ532	Standard quality	115 mm
FMJ520	Standard quality	130 mm
FMJ521	Standard quality	200 mm
FMJ522	Standard quality	250 mm
FMJ523	Standard quality	300 mm
FMJ518	PTFE coated	115 mm

▶ FML - Forceps, special

▶ Adson Forceps



AUTO  
+121°

1 | In stainless steel.

Code	Total length
FML001	120 mm

▶ Feilchenfeld forceps



AUTO  
+121°

1 | In stainless steel.

Code	Total length	Lot
FML002	110 mm	10
FML003	90 mm	10

▶ Forceps 'Kocher'



AUTO  
+121°

1 | With teeth, stainless steel.

Code	Total length	Lot
FML004	140 mm	10

▶ Haemostatic forceps



AUTO  
+121°

1 | They have a mechanism through which, once closed, the clamp remains fixed without needing to be tightened. They are easily released.

2 | In stainless steel.

Code	Model	Total length
FML005	Mosquito straight	130 mm
FML015	Curved	140 mm
FML017	Straight	140 mm



▶ FML - Forceps, special

▶ Forceps for insect



AUTO  
+121°

1 | Stainless steel.

Code	Total length	Lot
FML006	100 mm	10

▶ Forceps, spring effect



AUTO  
+121°

1 | Stainless steel.

Code	Model	Lot
FML007	Forceps, spring effect	10
FML010	Forceps for slides, flat tips	10

▶ Forceps "Rochester-Pean"



AUTO  
+121°

1 | Stainless steel.

Code	Total length	Lot
FML008	160 mm	10
FML020	140 mm	10

▶ Forceps very thin tip



AUTO  
+121°

1 | Fine tips, in stainless steel..

Code	Total length	Lot
FML009	110 mm	10

▶ FML - Forceps, special

▶ Needle holder



AUTO  
+121°

1 | For grasping and holding surgical needles, they have short, firm branches. The size of the needle holder should be in accordance with the size of the needle.

- Baumgartner for fine needles.
- Mayo-Hegar for coarse needles.

2 | In stainless steel.

Code	Model	Total length	Lot
FML011	Baumgartner	140 mm	10
FML012	Baumgartner	180 mm	10
FML013	Mayo-Hegar	160 mm	10
FML014	Mayo-Hegar	180 mm	10
FML019	Mayo-Hegar	145 mm	10

▶ FMN - Scissors

▶ Surgical scissors, curved



AUTO  
+121°

1 | Made of stainless steel.

Code	Model	Total length	Lot
FMN001	Sharp-sharp	140 mm	10
FMN004	Sharp-blunt	130 mm	10
FMN006	Blunt-blunt	125 mm	10
FMN007	Blunt-blunt	140 mm	10

▶ Surgical scissors, straight



AUTO  
+121°

Code	Model	Total length	Lot
FMN009	Sharp-sharp	115 mm	10
FMN010	Sharp-sharp	140 mm	10
FMN011	Sharp-sharp	160 mm	10
FMN012	Sharp-blunt	125 mm	10
FMN013	Sharp-blunt	140 mm	10
FMN014	Sharp-blunt	160 mm	10
FMN015	Blunt-blunt	140 mm	10
FMN016	Blunt-blunt	160 mm	10



FMN - Scissors

Tungsten scissors



Code	Model	Total length	Lot
FMN021	Sharp-sharp	130 mm	-
FMN022	Sharp-blunt	130 mm	10
FMN023	Iris	110 mm	10
FMN024	Metzenbaum	140 mm	-

Micro scissors Noye



1 | In stainless steel.

Code	Total length
FMN025	115 mm

Scissors Iris



1 | In stainless steel.

Code	Total length
FMN026	110 mm

Littauer scissors



1 | In stainless steel.  
2 | Hook-shaped blade to easily slide under the suture and prevent it from slipping.

Code	Total length	Blade length
FMN027	140 mm	40 mm

FMN - Scissors

Scissors Metzenbaum



1 | In stainless steel.

Code	Total length
FMN028	140 mm

Scissors for bandage Lister



1 | In stainless steel.

Code	Total length
FMN029	140 mm

Scissors Spencer



1 | Fine tips, in stainless steel.

Code	Number
FMN030	130 mm

FMQ - Dissecting kits

Empty case



1 | Push button closure. Supplied without instruments.

Code	Description	Dimensions (LxA)
FMQ004	3 pieces	160x90 mm
FMQ005	6 pieces	180x100 mm
FMQ003	12 pieces	168x105 mm

▶ **FMQ - Dissecting kits**

▶ Empty case



1 | External colour brown, interior red. Zippered closure. Supplied without instruments.

Code	Description
FMQ006	9 pieces
FMQ007	15 pieces

▶ 15 and 9 pieces



Code	Description
FMQ001	

Composed of:

Code	Description
FMD006	1 catheter, 140 mm
FMD007	1 catheter, 200 mm
FML011	1 Baumgartner needle holder, 140 mm.
FMB021	1 scalpel handle, nº 3.
FMB023	1 scalpel handle, nº 4.
FMN013	1 straight scissors sharp-blunt
FMN004	1 curved scissors sharp-blunt
FMN019	1 straight Mayo scissors, 140 mm.
FMN018	1 curved Mayo scissors, 140 mm.
FMJ009	1 dissecting forceps 1:2 teeth, 140 mm.
FMJ002	1 dissecting forceps without teeth, 140 mm.
FML015	1 haemostatic forceps, curved, 140 mm.
FML017	1 haemostatic forceps, straight, 140 mm.
FML005	1 haemostatic forceps Mosquito, straight, 130 mm.
FMD002	1 sharp dissecting Pins, 145 mm.

Code	Description
FMQ002	

Composed of:

Code	Description
FMD006	1 catheter, 140 mm.
FMD008	1 grooved probe, 140 mm.
FML011	1 Baumgartner needle holder, 140 mm.
FMB021	1 scalpel handle nº 3., 125 mm
FMB023	1 scalpel handle, nº 4., 140 mm
FMN013	1 straight scissors sharp-blunt
FMN004	1 curved scissors sharp-blunt
FMJ009	1 dissecting forceps 1:2 teeth, 140 mm.
FMJ002	1 dissecting forceps without teeth, 130 mm.
FMQ006	1 empty dissection case, 9 pieces

▶ **FZB - Stabilizing rings**



1 | To stabilize bottles, flasks, etc., preventing them from floating when submerged. Made of steel covered with PVC.

Code	Total length	Weight (approx.)
FZB001	48 mm	270 g
FZB002	56 mm	520 g
FZB003	61 mm	780 g
FZB004	74 mm	960 g

▶ **FZD - Glass markers**

▶ Pen for glass



Code: FZD02



Code	Model
FZD003	Glass marking pencil
FZD002	Glass marking pencil, Chinagraph

▶ **FZG - Compass**



Code	Model	Diameter	Lot
FZG001	Aluminium	40 mm	-
FZG002	Initiation, with ring	44 mm	-
FZG003	Directional	53 mm	-
FZG004	Plastic	55 mm	20