

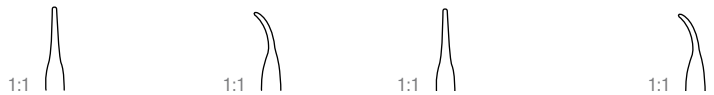


**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



1:1

### CASTROVIEJO



			Diamond Coated	Diamond Coated
x = 11.0 mm x 0.75 mm				
140 mm – 5 ½"	19-860-140	19-861-140	19-860-140D	19-861-140D

**ohne Sperre, feines Maul**  
 without ratchet, fine jaws  
 sans crémaillère, mors fine  
 sin cremallera, boca fina  
 senza cremagliera, morso fino

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

			Diamond Coated	Diamond Coated
x = 11.0 mm x 0.75 mm				
140 mm – 5 ½"	19-870-140	19-871-140	19-870-140D	19-871-140D

**mit Sperre, feines Maul**  
 with ratchet, fine jaws  
 avec crémaillère, mors fine  
 con cremallera, boca fina  
 con cremagliera, morso fino

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

### Mikronadelhalter

Micro needle holders

Micro porte aiguilles  
Micro porta agujas  
Micro porta aghi



#### JACOBSON

			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
185 mm – 7 1/3"	19-620-185	19-621-185	19-620-185D	19-621-185D

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
185 mm – 7 1/3"	19-622-185	19-623-185	19-622-185D	19-623-185D

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo



	almedur	almedur	almedur	almedur
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	20-636-180	20-637-180	20-638-180	20-639-180

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato

	almedur	almedur	almedur	almedur
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	20-640-180	20-641-180	20-644-180	20-645-180

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato





**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



**YASARGIL**

			Diamond Coated	Diamond Coated
180 mm – 7 "	420-040-180	420-041-180	420-040-180D	420-041-180D
200 mm – 8 "	420-040-200	420-041-200	420-040-200D	420-041-200D

**ohne Sperre**  
 without ratchet  
 sans crémaillère  
 sin cremallera  
 senza cremagliera

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curvo

			Diamond Coated	Diamond Coated
180 mm – 7 "	420-044-180	420-045-180	420-044-180D	420-045-180D
200 mm – 8 "	420-044-200	420-045-200	420-044-200D	420-045-200D

**mit Sperre**  
 with ratchet  
 avec crémaillère  
 con cremallera  
 con cremagliera

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curvo

### Mikronadelhalter mit Rundgriff

Micro needle holders with round handle

Micro porte aiguilles avec manche ronde

Micro porta agujas con mango redondo

Micro porta aghi con manico rotondo



1:1

#### YASARGIL



			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 ¼ "	324-652-210	324-653-210	324-652-210D	324-653-210D

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 ¼ "	324-654-210	324-655-210	324-654-210D	324-655-210D

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo



	almedur	almedur	almedur	almedur
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 ¼ "	324-652-210TCG	324-653-210TCG	324-652-210TCS	324-653-210TCS

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato

	almedur	almedur	almedur	almedur
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 ¼ "	324-654-210TCG	324-655-210TCG	324-654-210TCS	324-655-210TCS

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato



### Mikronadelhalter mit Rundgriff

*Micro needle holders with round handle*

*Micro porte aiguilles avec manche ronde*

*Micro porta agujas con mango redondo*

*Micro porta aghi con manico rotondo*



110 mm – 4 ¼ "	19-780-110	19-781-110
125 mm – 5 "	19-780-125	19-781-125
130 mm – 5 "	19-780-130	19-781-130
150 mm – 6 "	19-780-150	19-781-150
180 mm – 7 "	19-780-180	19-781-180

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

110 mm – 4 ¼ "	19-782-110	19-783-110
125 mm – 5 "	19-782-125	19-783-125
130 mm – 5 "	19-782-130	19-783-130
150 mm – 6 "	19-782-150	19-783-150
180 mm – 7 "	19-782-180	19-783-180

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

**Mikronadelhalter mit Rundgriff**

*Micro needle holders with round handle*

*Micro porte aiguilles avec manche ronde*

*Micro porta agujas con mango redondo*

*Micro porta aghi con manico rotondo*



1:1

**BARRAQUER**



1:1



1:1



1:1



1:1

				Diamond Coated	Diamond Coated
140 mm – 5 ½"	8 mm Ø	324-648-140	324-649-140	324-648-140D	324-649-140D

**ohne Sperre, sehr feines Maul**  
without ratchet, extra delicate jaws  
sans crémaillère, mors très fine  
sin cremallera, boca muy fina  
senza cremagliera, morso molto fino

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbe  
curva  
curvo

				Diamond Coated	Diamond Coated
140 mm – 5 ½"	8 mm Ø	324-658-140	324-659-140	324-658-140D	324-659-140D

**mit Sperre, sehr feines Maul**  
with ratchet, extra delicate jaws  
avec crémaillère, mors très fine  
con cremallera, boca muy fina  
con cremagliera, morso molto fino

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva



**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



150 mm – 6 "	9 mm Ø	324-646-150
--------------	--------	-------------

**ohne Sperre, gebogen**  
without ratchet, curved  
sans crémaillère, courbe  
sin cremallera, curvo  
senza cremagliera, curvo

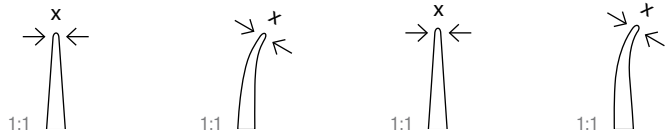
### Mikronadelhalter mit gedrehtem Schluss

Micro needle holders, 90° twisted

Micro porte aiguilles, tordus de 90°

Micro porta agujas, giradas de 90°

Porta aghi per micro-neurochirurgia



	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8 "	324-704-200	324-705-200	324-706-200	324-707-200
225 mm – 8 ¾ "	324-704-220	324-705-220	324-706-220	324-707-220
240 mm – 9 ½ "	324-704-240	324-705-240	324-706-240	324-707-240

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

	Diamond Coated	Diamond Coated	Diamond Coated	Diamond Coated
	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8 "	324-704-200D	324-705-200D	324-706-200D	324-707-200D
225 mm – 8 ¾ "	324-704-220D	324-705-220D	324-706-220D	324-707-220D
240 mm – 9 ½ "	324-704-240D	324-705-240D	324-706-240D	324-707-240D

**ohne Sperre, diamantiert**  
without ratchet, diamond coated  
sans crémaillère, diamanté  
sin cremallera, diamantada  
senza cremagliera, diamantato

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curva



**Diese Nadelhalter sind auch mit Sperre erhältlich.**

These needle holders are also available with ratchet.

Ces porte aiguilles sont également disponibles avec crémaillère.

Estas porta agujas también son disponibles con cremallera.

Questi port'aghi son fornibili anche con cremagliera.





**Mikronadelhalter**  
**Micro needle holders**  
**Micro porte aiguilles**  
**Micro porta agujas**  
**Micro porta aghi**



1:1

**JACOBSON**

1:1



1:1



1:1



1:1



			Diamond Coated	Diamond Coated
180 mm – 7"	19-631-185	19-633-185	19-631-185D	19-633-185D

**ohne Sperre**  
 without ratchet  
 sans crémaillère  
 sin cremallera  
 senza cremagliera

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

			Diamond Coated	Diamond Coated
180 mm – 7"	19-635-185	19-637-185	19-635-185D	19-637-185D

**mit Sperre**  
 with ratchet  
 avec crémaillère  
 con cremallera  
 con cremagliera

**gerade**  
 straight  
 droites  
 recta  
 retto

**gebogen**  
 curved  
 courbes  
 curva  
 curva

**gerade**  
 straight  
 droites  
 recta  
 retto

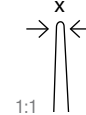
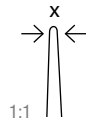
**gebogen**  
 curved  
 courbes  
 curva  
 curva



**Diese Nadelhalter sind auch mit Sperre erhältlich.**

These needle holders are also available with ratchet.  
 Ces porte aiguilles sont également disponibles avec crémaillère.  
 Estas porta agujas también son disponibles con cremallera.  
 Questi port'aghi son fornibili anche con cremagliera.

**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



			Diamond Coated	Diamond Coated
9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	19-641-001	19-641-002	19-641-003D	19-641-004D

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

			Diamond Coated	Diamond Coated
9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	19-643-001	19-643-002	19-643-003D	19-643-004D

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo

**gerade**  
straight  
droites  
recta  
retto

**gebogen**  
curved  
courbes  
curva  
curvo



	almedur	almedur	almedur	almedur
9 mm Ø				
230 mm – 9"	20-651-001	20-651-002	20-651-003	20-651-004

**ohne Sperre**  
without ratchet  
sans crémaillère  
sin cremallera  
senza cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato

	almedur	almedur	almedur	almedur
9 mm Ø				
230 mm – 9"	20-653-001	20-653-002	20-653-003	20-653-004

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera

**gerade, glatt**  
straight, smooth  
droit, lisse  
curva, lisa  
retto, liscio

**gebogen, glatt**  
curved, smooth  
courbe, lisse  
curva, lisa  
curvo, liscio

**gerade, gerieft**  
straight, serrated  
droit, strié  
recta, estriada  
retto, zigrinato

**gebogen, gerieft**  
curved, serrated  
courbe, strié  
curva, estriada  
curvo, zigrinato

1:1



**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



	<b>Titan</b>	<b>Titan</b>
	0.3 mm x 0.4 mm	0.3 mm x 0.4 mm
180 mm – 7"	21-202-180	21-203-180

**mit Sperre**  
 with ratchet  
 avec crémaillère  
 con cremallera  
 con cremagliera



	<b>Titan</b>	<b>Titan</b>
	0.8 mm x 0.8 mm	0.8 mm x 0.8 mm
185 mm – 7 ¼"	21-200-185	21-201-185

**mit Sperre**  
 with ratchet  
 avec crémaillère  
 con cremallera  
 con cremagliera

**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



	Titan	Titan
	0.5 mm x 0.8 mm	0.5 mm x 0.8 mm
200 mm – 8 "	21-216-200	21-217-200

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera



	Titan	Titan	Titan	Titan
	0.4 x 0.6 mm	0.4 x 0.6 mm	0.6 x 0.6 mm	0.6 x 0.6 mm
200 mm – 8 "	21-208-200	21-209-200	21-210-200	21-211-200

**mit Sperre**  
with ratchet  
avec crémaillère  
con cremallera  
con cremagliera



**Mikronadelhalter**  
*Micro needle holders*  
*Micro porte aiguilles*  
*Micro porta agujas*  
*Micro porta aghi*



225 mm – 8 ¾ "	19-650-225	19-651-225
----------------	------------	------------

	<b>almedur</b>	<b>almedur</b>
225 mm – 8 ¾ "	20-650-225	20-651-225

	<b>Titan</b>	<b>Titan</b>
225 mm – 8 ¾ "	21-650-225	21-651-225

**ohne Sperre**  
 without ratchet  
 sans crémaillère  
 sin cremallera  
 senza cremagliera

	<b>Titan</b>	<b>Titan</b>
225 mm – 8 ¾ "	19-652-225	19-653-225
225 mm – 8 ¾ "	21-652-225	21-653-225

**mit Sperre**  
 with ratchet  
 avec crémaillère  
 con cremallera  
 con cremagliera

1:1