

MAKOL SUGRICAL 15



..... **MICRO NEURO SURGERY**



Cervical traction tongs



CRUTCHFIELD
DP-786-15-01



1:3



1:3

	3.5 mm Ø	5.0 mm Ø
DP-786-15-02	x	x

Set of 2 pieces



CRUTCHFIELD
DP-786-15-03



DP-786-15-04

large type, cervical traction tongs –
pins adjustable no drilling to be done



1:3

DP-786-15-05

Spare pin for



1:2

DP-786-15-06

Wrench, double-ended

Hand drills



HUDSON

270 mm - 10³/₄"

DP-786-15-07

complete with 4 twist drills (Fig. 1 - Fig. 4) and extension piece



1:2

DP-786-15-08

Extension piece



1:2



1:2



1:2



1:2

Fig. 1	Fig. 2	Fig. 3	Fig. 4
9 mm Ø	14 mm Ø	16 mm Ø	22 mm Ø
DP-786-15-09	DP-786-15-10	DP-786-15-11	DP-786-1512



1:2

CUSHING

14 mm Ø

DP-786-15-13



1:2

McKENZIE

13 mm Ø

DP-786-15-14

Instruments for cranial opening


1:2

DE MARTEL

330 mm - 13"

DP-786-15-17


1:2

ADSON

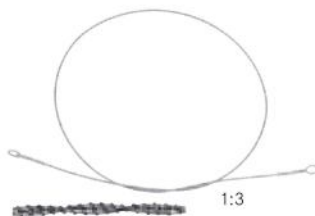
150 mm - 6"

DP-786-15-15


1:2

DE VILBISS

210 mm - 8 1/4"

DP-786-15-16


1:3

OLIVECRONA

300 mm - 12" - 1.2 mm Ø

DP-786-15-18

400 mm - 16" - 1.2 mm Ø

DP-786-15-19

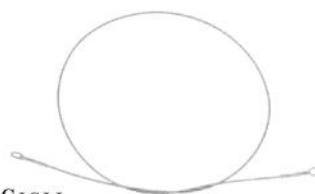
500 mm - 20" - 1.2 mm Ø

DP-786-15-20

600 mm - 23 1/2" - 1.2 mm Ø

DP-786-15-21

700 mm - 27 1/2" - 1.2 mm Ø

DP-786-15-22


1:3

GIGLI

300 mm - 12" - 1.4 mm Ø

DP-786-15-23

400 mm - 16" - 12" - 1.4 mm Ø

DP-786-15-24

500 mm - 20" - 12" - 1.4 mm Ø

DP-786-15-25


1:2

GIGLI
DP-786-15-26

Self-retaining retractor



DP-786-15-27

Retractor self-retaining, with 1 flexible arm, complete, consisting of: fixation base for 1 flexible arm, flexible arm only, support for flat brain spatulas

DP-786-15-28

Retractor self-retaining, with 2 flexible arms, complete, consisting of: fixation base for 2 flexible arms, 2 flexible arms, 2 supports for flat brain spatulas

Self-retaining retractor



DP-786-15-29

Fixation base only, holding 2 flexible arms

DP-786-15-30

Fixation base only, holding 1 flexible arm

DP-786-15-31

Support only, for flat brain spatulas

DP-786-15-32

Support only, for brain spatulas with round shaft of 4 mm and 5 mm Ø to fix on the flexible arm

DP-786-15-33

Flexible arm only – for attaching coupling heads and for fixation bases

McKenzie instruments



McKENZIE

150 mm - 6"	DP-786-15-34	DP-786-15-36
190 mm - 7½"	DP-786-15-35	DP-786-15-37

Clip applying forceps



McKENZIE

148 mm x 40 mm x 6 mm - 5¾" x 1½" x ½"	DP-786-15-38
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Brain clip-rack for 20 clips

Clips and applying forceps


**OLIVECRONA-TOENNIS
(SCOVILLE)**

x = 140 mm - 5½" **DP-786-15-39**



RANEY

150 mm - 6" **DP-786-15-40**



DP-786-15-41

Scalpclip "Raney"



DP-786-15-42

Scalpclip "Köln"

Applying forceps for Yasargil clips

Malleable Memory Metal: transforms during sterilization (> 80°C) automatically into originally straight form.



1:2

STANDARD

PHYNOX 	x = 70 mm - 2 ³ / ₄ "	DP-786-15-43
	x = 90 mm - 3 ¹ / ₂ "	DP-786-15-44
	x = 110 mm - 4 ¹ / ₃ "	DP-786-15-45

MINI

PHYNOX 	x = 70 mm - 2 ³ / ₄ "	DP-786-15-46
	x = 90 mm - 3 ¹ / ₂ "	DP-786-15-47
	x = 110 mm - 4 ¹ / ₃ "	DP-786-15-48

rotating



STANDARD

TITAN 	x = 70 mm - 2 ³ / ₄ "	DP-786-15-49
	x = 90 mm - 3 ¹ / ₂ "	DP-786-15-50
	x = 110 mm - 4 ¹ / ₃ "	DP-786-15-51

MINI

TITAN 	x = 70 mm - 2 ³ / ₄ "	DP-786-15-52
	x = 90 mm - 3 ¹ / ₂ "	DP-786-15-53
	x = 110 mm - 4 ¹ / ₃ "	DP-786-15-54

rotating



Applying forceps for Yasargil clips



STANDARD

TITAN		x = 90 mm - 3 1/2"	DP-786-15-55	DP-786-15-57
		x = 110 mm - 4 1/3"	DP-786-15-56	DP-786-15-58

MINI

TITAN		x = 90 mm - 3 1/2"	DP-786-15-59	DP-786-15-61
		x = 110 mm - 4 1/3"	DP-786-15-60	DP-786-15-62

non rotating

rotating



Applying forceps for Yasargil clips



1:2

	MINI	STANDARD
170 mm - 6 $\frac{3}{4}$ "		
180 mm - 7"	DP-786-15-63	DP-786-15-64
210 mm - 8 $\frac{1}{4}$ "		
230 mm - 9"		

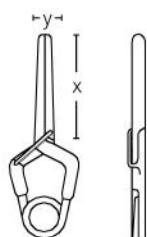
straight, with ratchet



MINI	STANDARD
DP-786-15-65	DP-786-15-68
DP-786-15-66	DP-786-15-69
DP-786-15-67	DP-786-15-70

bayonett shaped, with ratchet

Aneurysm vessel-clips



x = Jaw length

y = max. opening

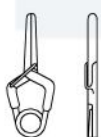
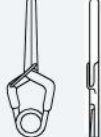
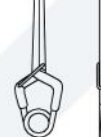
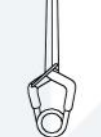
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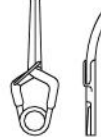


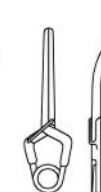
For titanium clips, please add a
"T" to the reference number.

YASARGIL-STANDARD

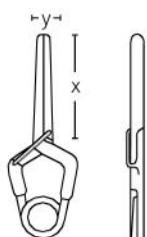
for permanent closure, in high quality implant steel, antimagnetic

						
$x = 7.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 11.0 \text{ mm}$	$x = 15.0 \text{ mm}$	$x = 17.0 \text{ mm}$	$x = 20.0 \text{ mm}$	$x = 25.0 \text{ mm}$
$y = 6.2 \text{ mm}$	$y = 7.0 \text{ mm}$	$y = 7.8 \text{ mm}$	$y = 9.2 \text{ mm}$	$y = 10.6 \text{ mm}$	$y = 11.4 \text{ mm}$	$y = 13.3 \text{ mm}$
$gms = 150$	$gms = 180$	$gms = 180$	$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$
DP-786-15-71	DP-786-15-72	DP-786-15-73	DP-786-15-74	DP-786-15-75	DP-786-15-76	DP-786-15-77

						
$x = 7.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 11.0 \text{ mm}$	$x = 15.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 11.0 \text{ mm}$
$y = 6.0 \text{ mm}$	$y = 6.8 \text{ mm}$	$y = 7.5 \text{ mm}$	$y = 8.7 \text{ mm}$	$y = 5.5 \text{ mm}$	$y = 6.1 \text{ mm}$	$y = 6.5 \text{ mm}$
$gms = 150$	$gms = 180$	$gms = 180$	$gms = 200$	$gms = 150$	$gms = 180$	$gms = 180$
DP-786-15-78	DP-786-15-79	DP-786-15-80	DP-786-15-81	DP-786-15-82	DP-786-15-83	DP-786-15-84

					
$x = 15.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 11.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 9.0 \text{ mm}$
$y = 7.4 \text{ mm}$	$y = 5.4 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 6.2 \text{ mm}$	$y = 7.9 \text{ mm}$	$y = 8.7 \text{ mm}$
$gms = 200$	$gms = 180$	$gms = 180$	$gms = 180$	$gms = 200$	$gms = 200$
DP-786-15-85	DP-786-15-86	DP-786-15-87	DP-786-15-88	DP-786-15-89	DP-786-15-90

Aneurysm vessel-clips



x = jaw length

y = max. opening

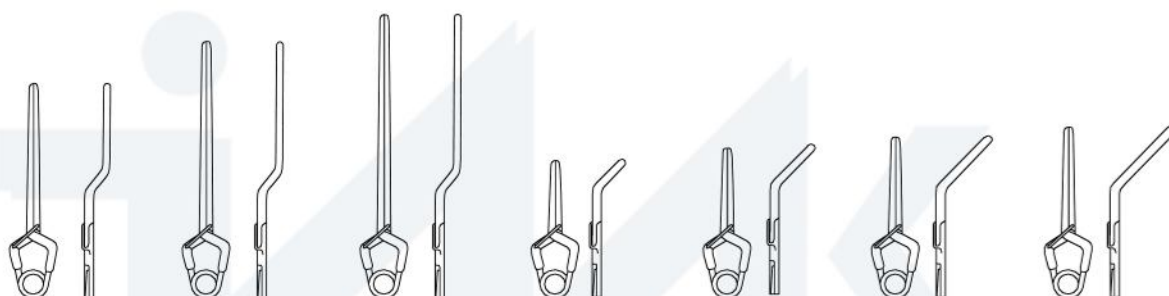
gms = Pressure



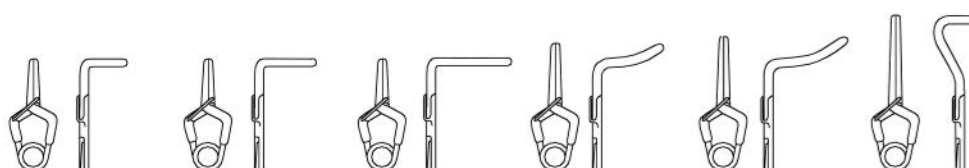
For titanium clips, please add a "T" to the reference number.

YASARGIL-STANDARD

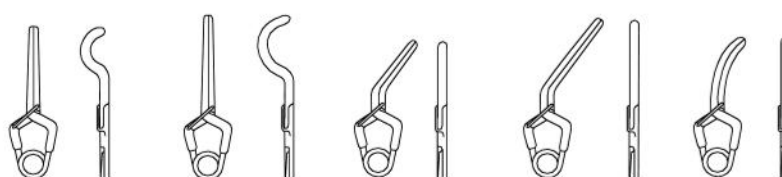
for permanent closure, in high quality implant steel, antimagnetic



$x = 12.0$ mm	$x = 17.0$ mm	$x = 20.0$ mm	$x = 5.0$ mm	$x = 7.0$ mm	$x = 9.0$ mm	$x = 11.0$ mm
$y = 10.2$ mm	$y = 11.9$ mm	$y = 13.0$ mm	$y = 6.2$ mm	$y = 6.5$ mm	$y = 7.8$ mm	$y = 8.4$ mm
$gms = 200$	$gms = 180$	$gms = 180$	$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$
DP-786-15-91	DP-786-15-92	DP-786-15-93	DP-786-15-94	DP-786-15-95	DP-786-15-96	DP-786-15-97

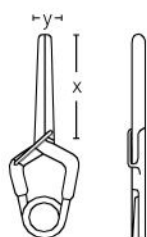


$x = 5.0$ mm	$x = 7.0$ mm	$x = 10.0$ mm	$x = 8.0$ mm	$x = 10.0$ mm	$x = 5.0$ mm
$y = 5.6$ mm	$y = 5.6$ mm	$y = 5.6$ mm	$y = 5.4$ mm	$y = 5.6$ mm	$y = 7.2$ mm
$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$
DP-786-15-98	DP-786-15-99	DP-786-15-100	DP-786-15-101	DP-786-15-102	DP-786-15-103



$x = 9.0$ mm	$x = 11.0$ mm	$x = 7.0$ mm	$x = 11.0$ mm	$x = 9.0$ mm
$y = 7.2$ mm	$y = 8.2$ mm	$y = 5.7$ mm	$y = 8.0$ mm	$y = 6.2$ mm
$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$	$gms = 200$
DP-786-15-104	DP-786-15-105	DP-786-15-106	DP-786-15-107	DP-786-15-108

Aneurysm vessel-clips



x = Jaw length

y = max. opening

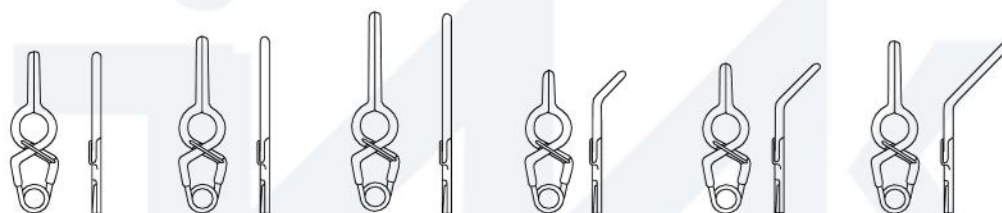
gms = Pressure



For titanium clips, please add a "T" to the reference number.

YASARGIL-STANDARD

for permanent closure, with window 3,5 mm, in high quality implant steel, antimagnetic



$x = 7.0$ mm	$x = 9.0$ mm	$x = 12.0$ mm	$x = 5.0$ mm	$x = 7.0$ mm	$x = 11.0$ mm
$y = 7.4$ mm	$y = 8.4$ mm	$y = 9.6$ mm	$y = 5.8$ mm	$y = 6.5$ mm	$y = 7.2$ mm
gms = 150	gms = 150	gms = 180	gms = 150	gms = 150	gms = 180
DP-786-15-109	DP-786-15-110	DP-786-15-111	DP-786-15-112	DP-786-15-113	DP-786-15-114



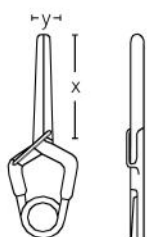
$x = 5.0$ mm	$x = 7.0$ mm	$x = 11.0$ mm
$y = 4.9$ mm	$y = 4.9$ mm	$y = 4.9$ mm
gms = 150	gms = 150	gms = 180
DP-786-15-115	DP-786-15-116	DP-786-15-117



Aneurysm vessel-clips are also available sterile

For sterile clips please add an "S" to the article number

Aneurysm vessel-clips



x = jaw length

y = max. opening

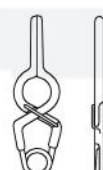
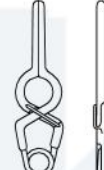
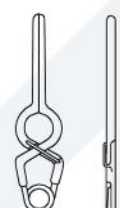
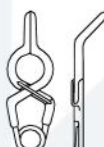
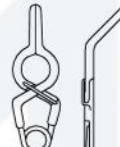
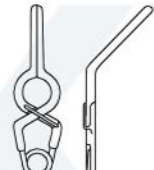
gms = Pressure



For titanium clips, please add a "T" to the reference number.

YASARGIL-STANDARD

for permanent closure, with window 3.5 mm, in high quality implant steel, antimagnetic

					
$x = 7.0$ mm	$x = 9.0$ mm	$x = 12.0$ mm	$x = 5.0$ mm	$x = 7.0$ mm	$x = 11.0$ mm
$y = 7.9$ mm	$y = 9.1$ mm	$y = 10.3$ mm	$y = 6.5$ mm	$y = 7.2$ mm	$y = 7.8$ mm
gms = 150	gms = 150	gms = 180	gms = 150	gms = 150	gms = 180
DP-786-15-118	DP-786-15-119	DP-786-15-120	DP-786-15-121	DP-786-15-122	DP-786-15-123

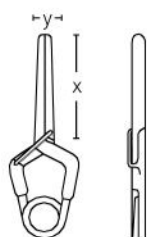
		
$x = 5.0$ mm	$x = 7.0$ mm	$x = 11.0$ mm
$y = 5.5$ mm	$y = 5.5$ mm	$y = 5.5$ mm
gms = 150	gms = 150	gms = 180
DP-786-15-124	DP-786-15-125	DP-786-15-126



Aneurysm vessel-clips are also available sterile

For sterile clips please add an "S" to the article number

Aneurysm vessel-clips



x = Jaw length

y = max. opening

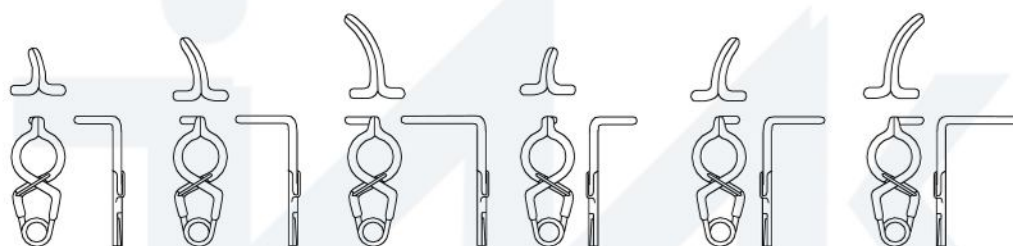
gms = Pressure



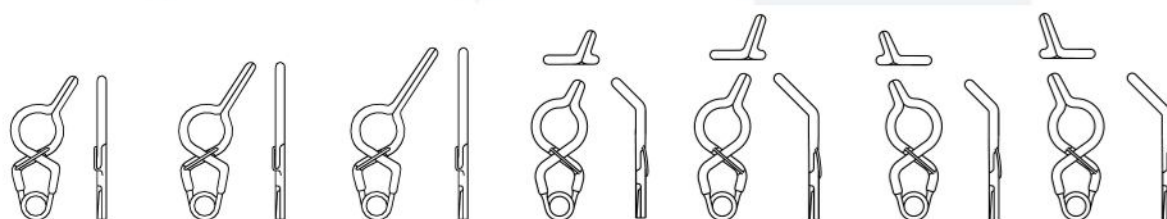
For titanium clips, please add a "T" to the reference number.

YASARGIL-STANDARD

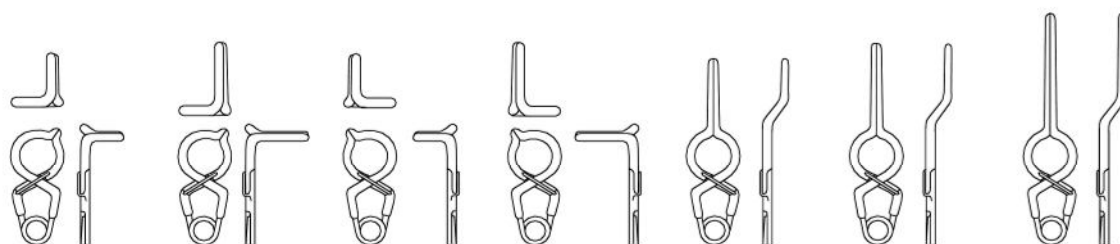
for permanent closure, with window 5.0 mm, in high quality implant steel, antimagnetic



$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 10.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 10.0 \text{ mm}$
$y = 5.8 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 5.8 \text{ mm}$
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150
DP-786-15-127	DP-786-15-128	DP-786-15-129	DP-786-15-130	DP-786-15-131	DP-786-15-132

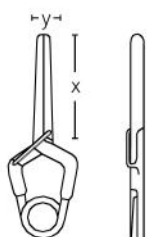


$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 10.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$
$y = 7.0 \text{ mm}$	$y = 7.8 \text{ mm}$	$y = 8.8 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 6.2 \text{ mm}$	$y = 5.8 \text{ mm}$	$y = 6.2 \text{ mm}$
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150
DP-786-15-133	DP-786-15-134	DP-786-15-135	DP-786-15-136	DP-786-15-137	DP-786-15-138	DP-786-15-139



$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 11.0 \text{ mm}$
$y = 5.6 \text{ mm}$	$y = 5.6 \text{ mm}$	$y = 5.6 \text{ mm}$	$y = 5.6 \text{ mm}$	$y = 7.9 \text{ mm}$	$y = 8.8 \text{ mm}$	$y = 10.0 \text{ mm}$
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 180
DP-786-15-140	DP-786-15-141	DP-786-15-142	DP-786-15-143	DP-786-15-144	DP-786-15-145	DP-786-15-146

Aneurysm vessel-clips



x = jaw length

y = max. opening

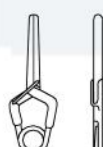
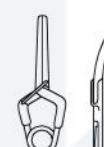
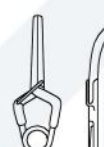
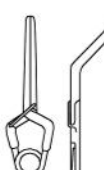
gms = Pressure

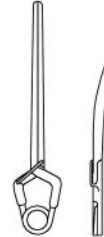
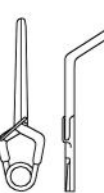


For titanium clips, please add a "T" to the reference number.

YASARGIL-STANDARD

for temporary closure, in high quality implant steel, antimagnetic

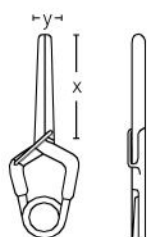
						
$x = 9.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 9.0 \text{ mm}$	$x = 15.0 \text{ mm}$	$x = 15.0 \text{ mm}$	$x = 15.0 \text{ mm}$	$x = 9.0 \text{ mm}$
$y = 7.0 \text{ mm}$	$y = 6.8 \text{ mm}$	$y = 6.1 \text{ mm}$	$y = 9.2 \text{ mm}$	$y = 8.7 \text{ mm}$	$y = 7.4 \text{ mm}$	$y = 7.8 \text{ mm}$
$gms = 90$	$gms = 90$	$gms = 110$	$gms = 90$	$gms = 110$	$gms = 110$	$gms = 110$
DP-786-15-147	DP-786-15-148	DP-786-15-149	DP-786-15-150	DP-786-15-151	DP-786-15-152	DP-786-15-153

			
$x = 20.0 \text{ mm}$	$x = 20.0 \text{ mm}$	$x = 17.0 \text{ mm}$	$x = 13.0 \text{ mm}$
$y = 11.4 \text{ mm}$	$y = 11.0 \text{ mm}$	$y = 9.9 \text{ mm}$	$y = 7.5 \text{ mm}$
$gms = 110$	$gms = 90$	$gms = 90$	$gms = 90$
DP-786-15-154	DP-786-15-155	DP-786-15-156	DP-786-15-157



Aneurysm vessel-clips are also available sterile

Aneurysm vessel-clips



x = Jaw length

y = max. opening

gms = Pressure



For titanium clips, please add a "T" to the reference number.

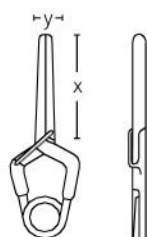
YASARGIL-MINI

for permanent closure, in high quality implant steel, antimagnetic

						
$x = 3.0$ mm	$x = 5.0$ mm	$x = 3.0$ mm	$x = 5.0$ mm	$x = 7.0$ mm	$x = 3.0$ mm	$x = 4.0$ mm
$y = 3.3$ mm	$y = 4.0$ mm	$y = 3.3$ mm	$y = 4.0$ mm	$y = 4.6$ mm	$y = 3.2$ mm	$y = 3.8$ mm
gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110
DP-786-15-158	DP-786-15-159	DP-786-15-160	DP-786-15-161	DP-786-15-162	DP-786-15-163	DP-786-15-164

						
$x = 4.0$ mm	$x = 5.0$ mm	$x = 4.0$ mm	$x = 5.0$ mm	$x = 7.0$ mm	$x = 4.0$ mm	$x = 4.0$ mm
$y = 3.6$ mm	$y = 3.8$ mm	$y = 3.6$ mm	$y = 4.0$ mm	$y = 4.4$ mm	$y = 3.6$ mm	$y = 3.5$ mm
gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110
DP-786-15-165	DP-786-15-166	DP-786-15-167	DP-786-15-168	DP-786-15-169	DP-786-15-170	DP-786-15-171

Aneurysm vessel-clips



x = jaw length

y = max. opening

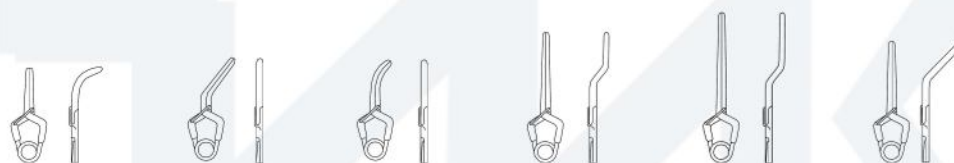
gms = Pressure



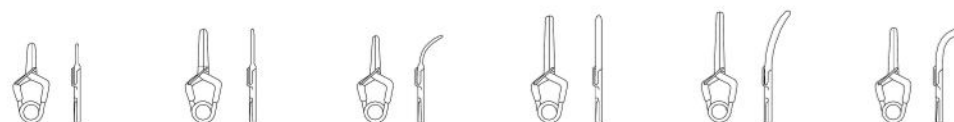
For titanium clips, please add a "T" to the reference number.

YASARGIL-MINI

for temporary closure, in high quality implant steel, antimagnetic



$x = 5.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 6.0 \text{ mm}$	$x = 4.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 7.0 \text{ mm}$
$y = 4.0 \text{ mm}$	$y = 3.5 \text{ mm}$	$x = 6.0 \text{ mm}$	$y = 7.0 \text{ mm}$	$y = 5.7 \text{ mm}$	$y = 4.5 \text{ mm}$
gms = 110	gms = 130	gms = 130	gms = 130	gms = 130 gms	gms = 130
DP-786-15-172	DP-786-15-173	DP-786-15-174	DP-786-15-175	DP-786-15-176	DP-786-15-177



$x = 3.0 \text{ mm}$	$x = 5.0 \text{ mm}$	$x = 4.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 7.0 \text{ mm}$	$x = 5.0 \text{ mm}$
$y = 3.3 \text{ mm}$	$y = 4.0 \text{ mm}$	$y = 3.8 \text{ mm}$	$y = 4.6 \text{ mm}$	$y = 4.4 \text{ mm}$	$y = 4.0 \text{ mm}$
gms = 90	gms = 70	gms = 70	gms = 70	gms = 70	gms = 70
DP-786-15-178	DP-786-15-179	DP-786-15-180	DP-786-15-181	DP-786-15-182	DP-786-15-183



Aneurysm vessel-clips are also available sterile

For sterile clips please add an "S" to the article number

Nerve hooks

SCOVILLE

230 mm - 9"

x = 8 mm

DP-786-15-184
HOLSHER

240 mm - 9½"

x = 7 mm

DP-786-15-185
SCOVILLE

200 mm - 8"

x = 7 mm

DP-786-15-186
MARTIN

210 mm - 8¼"

x = 7 mm

DP-786-15-187

Dura knives



1:2

TOENNIS



1:1



1:1

150 mm - 6"	190 mm - 7½"
DP-786-15-188	DP-786-15-189



1:2

HALLE



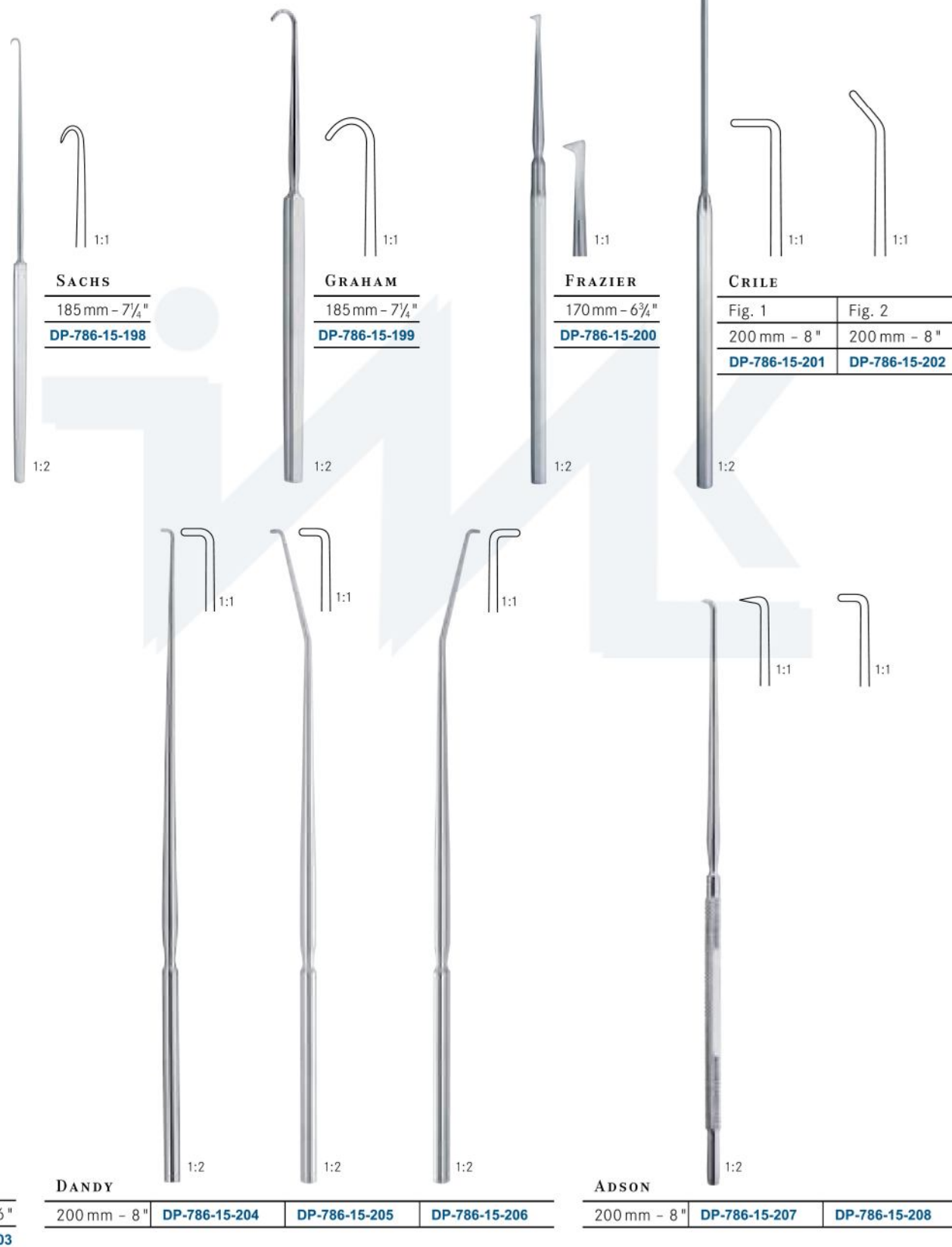
1:1

200 mm - 8"	DP-786-15-1190
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Nerve hooks



Nerve hooks



Nerve hooks



1:1

1:2

1:2

1:2

LOVE

190 mm - 7 1/2"	DP-786-15-209	DP-786-15-210	DP-786-15-211
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YASARGIL

310 mm - 12 1/4"	DP-786-15-212
410 mm - 16 1/4"	DP-786-15-213

Galea retractor



CUSHING

140 mm - 5 1/2"
DP-786-15-214

1:2



1:1



FRAZIER

130 mm - 5"	DP-786-15-215	DP-786-15-217
180 mm - 7"	DP-786-15-216	DP-786-15-218

sharp

blunt



1:1



1:1



LAHEY

130 mm - 5"
DP-786-15-219

1:2



1:1

Micro dissectors

TOENNIS

250 mm - 9 $\frac{3}{4}$ "

DP-786-15-220

DAVIS

245 mm - 9 $\frac{3}{4}$ "

DP-786-15-221

220 mm - 8 $\frac{3}{4}$ "

DP-786-15-222

Micro dissectors



HORSLEY

200 mm - 8"

DP-786-15-223



SMITHWICK

290 mm - 11½"

DP-786-15-224



SACHS

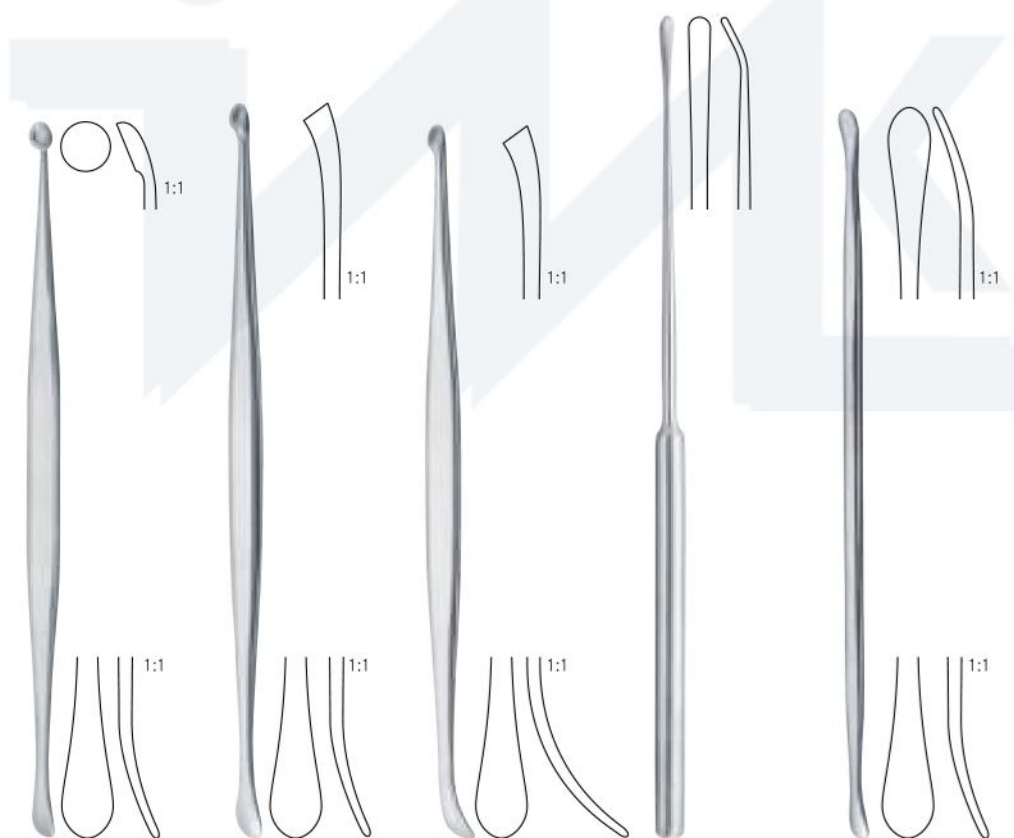
210 mm - 8¼"

DP-786-15-225

DP-786-15-226

DP-786-15-227

Micro dissectors



PENFIELD

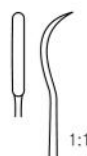
Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
175 mm - 7"	195 mm - 7¾"	195 mm - 7¾"	215 mm - 8½"	185 mm - 7¼"
DP-786-15-228	DP-786-15-229	DP-786-15-230	DP-786-15-231	DP-786-15-232

Neuro-micro dissectors

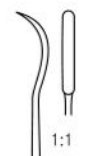

1:1



1:1



1:1



1:1



1:1



1:1

YASARGIL

190 mm - 7½"

DP-786-15-233
DP-786-15-234
DP-786-15-235
DP-786-15-236
DP-786-15-237
straight

190 mm - 7½"

DP-786-15-238
DP-786-15-239
DP-786-15-240
DP-786-15-241
DP-786-15-242
bayonet


1:1



1:1



1:1



1:1

YASARGIL

190 mm - 7½"

DP-786-15-243
DP-786-15-244
DP-786-15-245
DP-786-15-246
straight

190 mm - 7½"

DP-786-15-247
DP-786-15-248
DP-786-15-249
DP-786-15-250
bayonet


1:1



1:1

190 mm - 7½"

DP-786-15-251
DP-786-15-252
straight, with Twist-fixationhook

Neuro-micro dissectors



1:1



1:1

KRAUS



1:1

YASARGIL



1:1

KOOS



1:1

KOOS



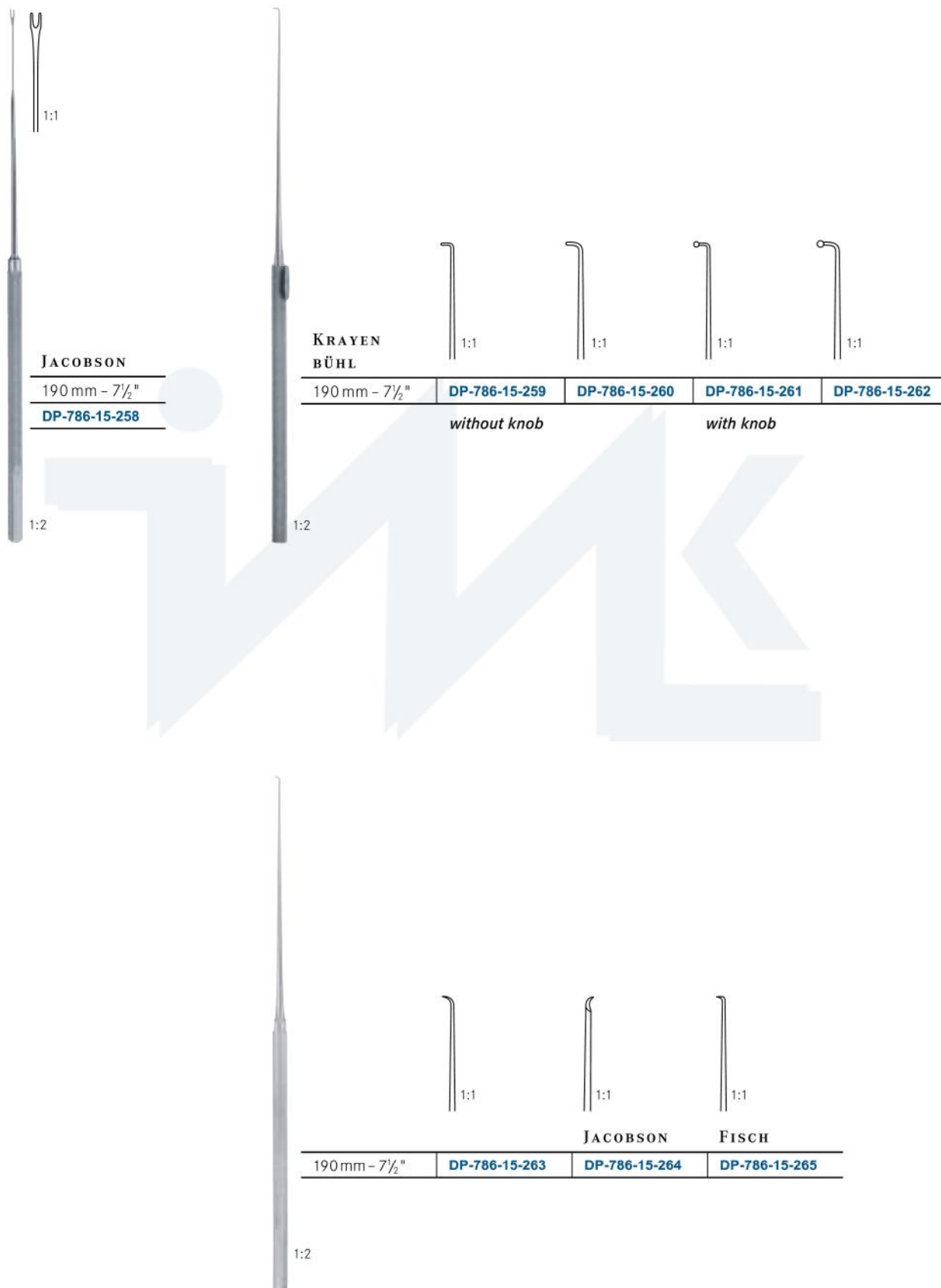
1:1

KOOS

190 mm - 7 1/2"	DP-786-15-253	DP-786-15-254	DP-786-15-255	DP-786-15-256	DP-786-15-257
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bayonet

Neuro-micro dissectors



Neuro-dissectors and curettes



HARDY

250 mm - 9 3/4"	DP-786-15-266	DP-786-15-267	DP-786-15-268	DP-786-15-269
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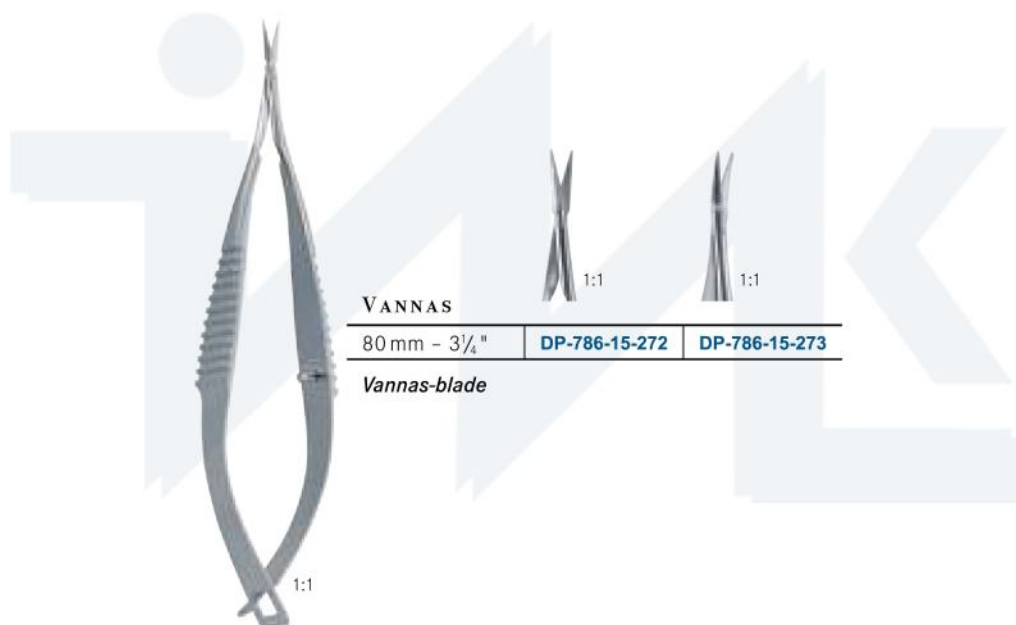
bayonet, sharp inner edge

HARDY

	4 mm Ø	6 mm Ø
270 mm - 10 3/4"	DP-786-15-270	DP-786-15-271

bayonet, malleable

Micro scissors



VANNAS

80 mm - 3 1/4"

Vannas-blade

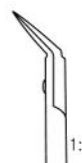
DP-786-15-272

DP-786-15-273

Micro-scissors



120 mm - 4 $\frac{3}{4}$ "	DP-786-15-274	DP-786-15-275
Blade 10 mm, sharp	straight	curved



120 mm - 4 $\frac{3}{4}$ "	DP-786-15-276	DP-786-15-277	DP-786-15-278
Vannas-blade	straight	curved	angled up



120 mm - 4 $\frac{3}{4}$ "	DP-786-15-279
Vein-blade (Biemer)	straight

Micro-scissors



150 mm - 6" **DP-786-15-280**

straight, short blades



DP-786-15-281

curved, short blades



DP-786-15-282

straight, long blades



DP-786-15-283

curved, long blades



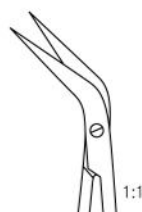
150 mm - 6" **DP-786-15-284**

straight, saw edge



DP-786-15-285

curved, saw edge



150 mm - 6" **DP-786-15-286**

180 mm - 7" **DP-786-15-287**

angled on flat, 45°

Micro-scissors



120 mm - 4 $\frac{3}{4}$ "

DP-786-15-288

DP-786-15-289

Long blades 14 mm, smooth, sharp

straight

curved



120 mm - 4 $\frac{3}{4}$ "

DP-786-15-290

DP-786-15-291

Long blades 14 mm, sharp

straight, saw edge

curved, saw edge



145 mm - 5 $\frac{3}{4}$ "

DP-786-15-292

DP-786-15-293

Vannas-blades, smooth, sharp

straight

curved

Micro-scissors



YASARGIL

185 mm - 7 1/4"



1:1



1:1



1:1

straight

curved

angled on flat

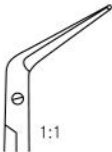
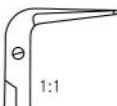
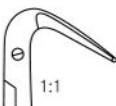
DP-786-15-294

DP-786-15-295

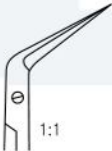
DP-786-15-296

Micro scissors

YASARGIL

					
	25°	45°	60°	90°	125°
170 mm - 6 $\frac{3}{4}$ "	DP-786-15-297	DP-786-15-298	DP-786-15-299	DP-786-15-300	DP-786-15-301

with ball
YASARGIL

					
	25°	45°	60°	90°	125°
170 mm - 6 $\frac{3}{4}$ "	DP-786-15-302	DP-786-15-303	DP-786-15-304	DP-786-15-305	DP-786-15-306

without ball

Micro dissecting scissors


145 mm - 5 $\frac{3}{4}$ "	DP-786-15-307	DP-786-15-309	DP-786-15-311	DP-786-15-313
180 mm - 7"	DP-786-15-308	DP-786-15-310	DP-786-15-312	DP-786-15-314
<i>short blades 8 mm, smooth</i>	<i>straight, sharp</i>	<i>curved, sharp</i>	<i>straight, blunt</i>	<i>curved, blunt</i>



145 mm - 5 $\frac{3}{4}$ "	DP-786-15-315	DP-786-15-317	DP-786-15-319	DP-786-15-321
180 mm - 7"	DP-786-15-316	DP-786-15-318	DP-786-15-320	DP-786-15-322
<i>long blades 14 mm, smooth</i>	<i>straight, sharp</i>	<i>curved, sharp</i>	<i>straight, blunt</i>	<i>curved, blunt</i>

Micro scissors with round handle



VANNAS

		
	7 mm Ø	7 mm Ø
120 mm - 5"	DP-786-15-323	DP-786-15-324

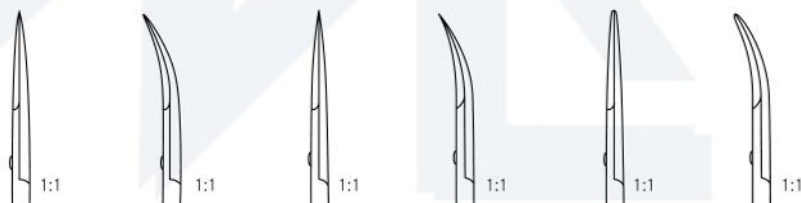
VANNAS

		
	8 mm Ø	8 mm Ø
150 mm - 6"	DP-786-15-325	DP-786-15-326

CASTROVIEJO

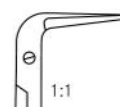
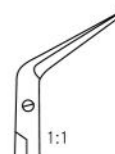
		
	8 mm Ø	8 mm Ø
150 mm - 6"	DP-786-15-327	DP-786-15-328

Micro scissors with round handle



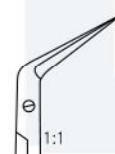
	180 mm - 7"	180 mm - 7"	180 mm - 7"	180 mm - 7"	180 mm - 7"	180 mm - 7"
8 mm Ø	DP-786-15-329	DP-786-15-331				
10 mm Ø	DP-786-15-330	DP-786-15-332	DP-786-15-333	DP-786-15-334	DP-786-15-335	DP-786-15-336

Micro scissors with round handle



8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7"	DP-786-15-337	DP-786-15-338	DP-786-15-339	DP-786-15-340	DP-786-15-341

Blade 10 mm, with ball, sharp

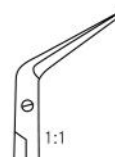


8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7"	DP-786-15-342	DP-786-15-343	DP-786-15-344	DP-786-15-345	DP-786-15-346

Blade 10 mm, without ball, sharp

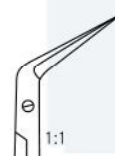


90° twisted

Micro scissors with round handle


8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7"	DP-786-15-347	DP-786-15-348	DP-786-15-349	DP-786-15-350	DP-786-15-351

with ball



8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7"	DP-786-15-352	DP-786-15-353	DP-786-15-354	DP-786-15-355	DP-786-15-356

without ball

Micro scissors with round handle



1:1



1:1



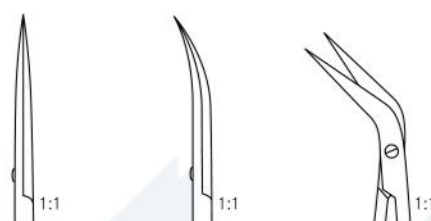
1:1

	9 mm Ø	9 mm Ø
150 mm - 6"	DP-786-15-357	DP-786-15-358

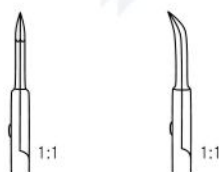
Micro scissors

JACOBSON

160 mm - 6 1/4"	DP-786-15-359	DP-786-15-361	DP-786-15-363
180 mm - 7"	DP-786-15-360	DP-786-15-362	DP-786-15-364
	<i>straight</i>	<i>curved</i>	<i>angled, 45°</i>



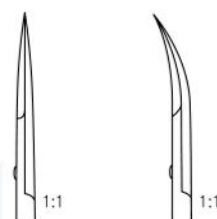
160 mm - 6 1/4"	DP-786-15-365	DP-786-15-367
180 mm - 7"	DP-786-15-366	DP-786-15-368

Vannas blade


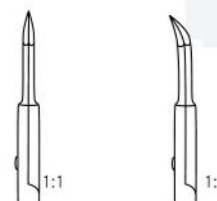
Micro scissors



YASARGIL-
MOD.



180 mm - 7"	DP-786-15-369	DP-786-15-371
225 mm - 8¾"	DP-786-15-370	DP-786-15-372



220 mm - 8¾"	DP-786-15-373	DP-786-15-374
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Vannas blade

Micro scissors


200 mm - 8"	DP-786-15-375	DP-786-15-377	DP-786-15-379	DP-786-15-381
225 mm - 8¾"	DP-786-15-376	DP-786-15-378	DP-786-15-380	DP-786-15-382
<i>Blade smooth, sharp</i>	<i>straight</i>	<i>curved</i>	<i>straight, saw edge</i>	<i>curved, saw edge</i>



200 mm - 8"	DP-786-15-383	DP-786-15-385
225 mm - 8¾"	DP-786-15-384	DP-786-15-386
<i>Vannas blade</i>		



200 mm - 8"	DP-786-15-375A	DP-786-15-375C
225 mm - 8¾"	DP-786-15-375B	DP-786-15-375D
<i>Dissector blade, blunt</i>		

Fixation forceps – Vascular dilators


x



1:1



1:1



1:1



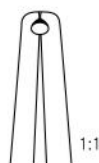
1:1



1:1

**TYP
JUWELIER**

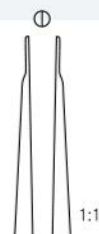
x = 0.2 mm	x = 0.3 mm	x = 0.3 mm	x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	110 mm – 4 1/4"	110 mm – 4 1/4"	120 mm – 4 3/4"	120 mm – 4 3/4"
DP-786-15-387	DP-786-15-388	DP-786-15-389	DP-786-15-390	DP-786-15-391



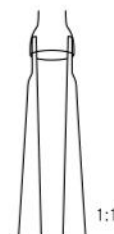
1:1

PIERSE

120 mm – 4 3/4"	DP-786-15-392
135 mm – 5 1/4"	DP-786-15-393



1:1



1:1

	x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	DP-786-15-394	DP-786-15-395

very fine

1:1

Micro suture tying forceps



LAZAR

	0.5 mm	0.8 mm
155 mm - 6"	DP-786-15-396	DP-786-15-397

Micro suture tying forceps


1:1



1:1



1:1



1:1



1:1

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	DP-786-15-398	DP-786-15-399	DP-786-15-400	DP-786-15-401

Tying platform 6.0 mm x 0.4 mm, smooth

1x2

1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	DP-786-15-402	DP-786-15-403	DP-786-15-404	DP-786-15-405

Tying platform 6.0 mm x 0.4 mm, diamond coated

1x2

1x2



1:1



1:1



1:1



1:1

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	DP-786-15-406	DP-786-15-407	DP-786-15-408	DP-786-15-409

Tying platform 6.0 mm x 0.8 mm, smooth

1x2

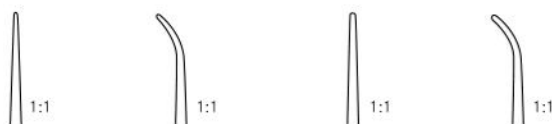
1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	DP-786-15-410	DP-786-15-411	DP-786-15-412	DP-786-15-413

Tying platform 6.0 mm x 0.8 mm, diamond coated

1x2

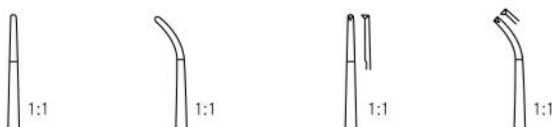
1x2

Micro forceps


8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6 "	DP-786-15-414	DP-786-15-418	DP-786-15-422	DP-786-15-426
180 mm - 7 "	DP-786-15-415	DP-786-15-419	DP-786-15-423	DP-786-15-427
210 mm - 8 1/4 "	DP-786-15-416	DP-786-15-420	DP-786-15-424	DP-786-15-428
230 mm - 9 "	DP-786-15-417	DP-786-15-421	DP-786-15-425	DP-786-15-429

Jaw smooth


8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6 "	DP-786-15-430	DP-786-15-434	DP-786-15-438	DP-786-15-442
180 mm - 7 "	DP-786-15-431	DP-786-15-435	DP-786-15-439	DP-786-15-443
210 mm - 8 1/4 "	DP-786-15-432	DP-786-15-436	DP-786-15-440	DP-786-15-444
230 mm - 9 "	DP-786-15-433	DP-786-15-437	DP-786-15-441	DP-786-15-445

Tying platform 6.0 mm x 0.3 mm, smooth
1x2
1x2


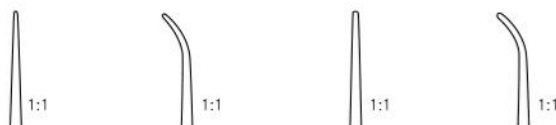
8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6 "	DP-786-15-446	DP-786-15-450	DP-786-15-454	DP-786-15-458
180 mm - 7 "	DP-786-15-447	DP-786-15-451	DP-786-15-455	DP-786-15-459
210 mm - 8 1/4 "	DP-786-15-448	DP-786-15-452	DP-786-15-456	DP-786-15-460
230 mm - 9 "	DP-786-15-449	DP-786-15-453	DP-786-15-457	DP-786-15-461

Tying platform 6.0 mm x 0.7 mm, smooth
1x2
1x2


Micro forceps



diamond coated



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	DP-786-15-462	DP-786-15-466	DP-786-15-470	DP-786-15-474
180 mm – 7"	DP-786-15-463	DP-786-15-467	DP-786-15-471	DP-786-15-475
210 mm – 8 1/4"	DP-786-15-464	DP-786-15-468	DP-786-15-472	DP-786-15-476
230 mm – 9"	DP-786-15-465	DP-786-15-469	DP-786-15-473	DP-786-15-477

diamond coated



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	DP-786-15-478	DP-786-15-482	DP-786-15-486	DP-786-15-490
180 mm – 7"	DP-786-15-479	DP-786-15-483	DP-786-15-487	DP-786-15-491
210 mm – 8 1/4"	DP-786-15-480	DP-786-15-484	DP-786-15-488	DP-786-15-492
230 mm – 9"	DP-786-15-481	DP-786-15-485	DP-786-15-489	DP-786-15-493

Tying platform 6.0 mm x 0.3 mm, diamond coated

1x2

1x2



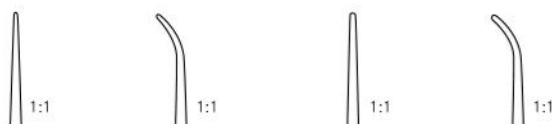
8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	DP-786-15-494	DP-786-15-498	DP-786-15-502	DP-786-15-506
180 mm – 7"	DP-786-15-495	DP-786-15-499	DP-786-15-503	DP-786-15-507
210 mm – 8 1/4"	DP-786-15-496	DP-786-15-500	DP-786-15-504	DP-786-15-508
230 mm – 9"	DP-786-15-497	DP-786-15-501	DP-786-15-505	DP-786-15-509

Tying platform 6.0 mm x 0.7 mm, diamond coated

1x2

1x2



Micro forceps


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6 "	DP-786-15-510	DP-786-15-514	DP-786-15-518	DP-786-15-522
180 mm - 7 "	DP-786-15-511	DP-786-15-515	DP-786-15-519	DP-786-15-523
210 mm - 8 ¼ "	DP-786-15-512	DP-786-15-516	DP-786-15-520	DP-786-15-524
230 mm - 9 "	DP-786-15-513	DP-786-15-517	DP-786-15-521	DP-786-15-525

Jaw smooth


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6 "	DP-786-15-526	DP-786-15-530	DP-786-15-534	DP-786-15-538
180 mm - 7 "	DP-786-15-527	DP-786-15-531	DP-786-15-535	DP-786-15-539
210 mm - 8 ¼ "	DP-786-15-528	DP-786-15-532	DP-786-15-536	DP-786-15-540
230 mm - 9 "	DP-786-15-529	DP-786-15-533	DP-786-15-537	DP-786-15-541

Tying platform 6.0mm


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6 "	DP-786-15-542	DP-786-15-546	DP-786-15-550	DP-786-15-554
180 mm - 7 "	DP-786-15-543	DP-786-15-547	DP-786-15-551	DP-786-15-555
210 mm - 8 ¼ "	DP-786-15-544	DP-786-15-548	DP-786-15-552	DP-786-15-556
230 mm - 9 "	DP-786-15-545	DP-786-15-549	DP-786-15-553	DP-786-15-557

Tying platform 6.0mm / 1x2 teeth

Micro forceps

diamond coated


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	DP-786-15-558	DP-786-15-562	DP-786-15-566	DP-786-15-570
180 mm – 7"	DP-786-15-559	DP-786-15-563	DP-786-15-567	DP-786-15-571
210 mm – 8 1/4"	DP-786-15-560	DP-786-15-564	DP-786-15-568	DP-786-15-572
230 mm – 9"	DP-786-15-561	DP-786-15-565	DP-786-15-569	DP-786-15-573

diamond coated


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	DP-786-15-574	DP-786-15-578	DP-786-15-582	DP-786-15-586
180 mm – 7"	DP-786-15-575	DP-786-15-579	DP-786-15-583	DP-786-15-587
210 mm – 8 1/4"	DP-786-15-576	DP-786-15-580	DP-786-15-584	DP-786-15-588
230 mm – 9"	DP-786-15-577	DP-786-15-581	DP-786-15-585	DP-786-15-589

Tying platform 6.0 mm, diamond coated


8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	DP-786-15-590	DP-786-15-594	DP-786-15-598	DP-786-15-602
180 mm – 7"	DP-786-15-591	DP-786-15-595	DP-786-15-599	DP-786-15-603
210 mm – 8 1/4"	DP-786-15-592	DP-786-15-596	DP-786-15-600	DP-786-15-604
230 mm – 9"	DP-786-15-593	DP-786-15-597	DP-786-15-601	DP-786-15-605

Tying platform 6.0 mm / 1x2 teeth, diamond coated


Micro forceps

JACOBSON

160 mm - 6 1/4"	DP-786-15-606	DP-786-15-608	DP-786-15-610	DP-786-15-612
180 mm - 7"	DP-786-15-607	DP-786-15-609	DP-786-15-611	DP-786-15-613
	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

160 mm - 6 1/4"	DP-786-15-614	DP-786-15-616	DP-786-15-618	DP-786-15-620
180 mm - 7"	DP-786-15-615	DP-786-15-617	DP-786-15-619	DP-786-15-621
<i>diamond coated</i>	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

Micro forceps



YASARGIL	 1:1	 1:1	 1:1
	225 mm - 8 3/4"	225 mm - 8 3/4"	225 mm - 8 3/4"
3.0 mm	DP-786-15-622	DP-786-15-624	DP-786-15-626
5.0 mm	DP-786-15-623	DP-786-15-625	DP-786-15-627
	<i>spoon form</i>	<i>plan toothed</i>	<i>curette form</i>

Micro forceps


1:1

200 mm - 8 "	DP-786-15-628	DP-786-15-630	DP-786-15-632	DP-786-15-634
225 mm - 8¾ "	DP-786-15-629	DP-786-15-631	DP-786-15-633	DP-786-15-635
<i>diamond coated</i>	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

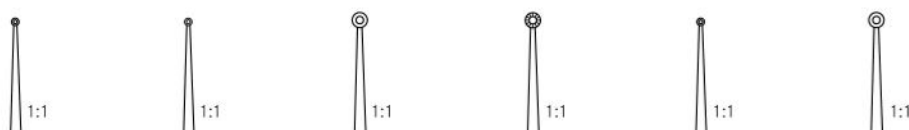
225 mm - 8¾ "	DP-786-15-636	DP-786-15-637
	<i>straight, sharp</i>	<i>straight, blunt</i>

200 mm - 8 "	DP-786-15-638	DP-786-15-640
225 mm - 8¾ "	DP-786-15-639	DP-786-15-641
	<i>angled, sharp</i>	<i>angled, blunt</i>

Micro-forceps with round handle

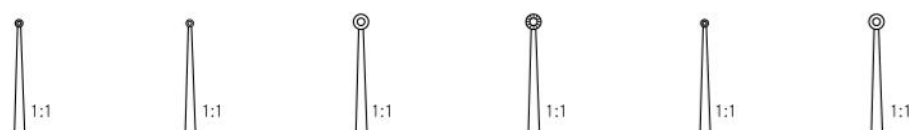

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8 1/4"	DP-786-15-642	DP-786-15-644	DP-786-15-646	DP-786-15-648
230 mm – 9"	DP-786-15-643	DP-786-15-645	DP-786-15-647	DP-786-15-649
	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8 1/4"	DP-786-15-650	DP-786-15-652	DP-786-15-654	DP-786-15-656
230 mm – 9"	DP-786-15-651	DP-786-15-653	DP-786-15-655	DP-786-15-657
<i>diamond coated</i>	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

Micro ring forceps


9 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm - 6"	DP-786-15-658	DP-786-15-662	DP-786-15-666	DP-786-15-670	DP-786-15-674	DP-786-15-678
180 mm - 7"	DP-786-15-659	DP-786-15-663	DP-786-15-667	DP-786-15-671	DP-786-15-675	DP-786-15-679
210 mm - 8 1/4"	DP-786-15-660	DP-786-15-664	DP-786-15-668	DP-786-15-672	DP-786-15-676	DP-786-15-680
230 mm - 9"	DP-786-15-661	DP-786-15-665	DP-786-15-669	DP-786-15-673	DP-786-15-677	DP-786-15-681

smooth *slightly serrated* *smooth* *slightly serrated* *diamond coated* *diamond coated*



8 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm - 6"	DP-786-15-682	DP-786-15-686	DP-786-15-690	DP-786-15-694	DP-786-15-698	DP-786-15-702
180 mm - 7"	DP-786-15-683	DP-786-15-687	DP-786-15-691	DP-786-15-695	DP-786-15-699	DP-786-15-703
210 mm - 8 1/4"	DP-786-15-684	DP-786-15-688	DP-786-15-692	DP-786-15-696	DP-786-15-700	DP-786-15-704
230 mm - 9"	DP-786-15-685	DP-786-15-689	DP-786-15-693	DP-786-15-697	DP-786-15-701	DP-786-15-705

smooth *slightly serrated* *smooth* *slightly serrated* *diamond coated* *diamond coated*

Micro ring forceps


9 mm Ø	1.0 mm x 0.5 mm	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm	2.0 mm x 1.0 mm
210 mm – 8 1/4"	DP-786-15-706	DP-786-15-708	DP-786-15-710	DP-786-15-712
230 mm – 9"	DP-786-15-707	DP-786-15-709	DP-786-15-711	DP-786-15-713
	<i>smooth</i>	<i>serrated</i>	<i>smooth</i>	<i>serrated</i>



9 mm Ø	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm
210 mm – 8 1/4"	DP-786-15-714	DP-786-15-716
230 mm – 9"	DP-786-15-715	DP-786-15-717
	<i>diamond coated</i>	

Atraumatic micro forceps


	x = 1.2 mm	x = 2.0 mm	x = 1.5 mm	x = 2.0 mm
150 mm - 6 "	DP-786-15-718	DP-786-15-722	DP-786-15-726	DP-786-15-730
180 mm - 7 "	DP-786-15-719	DP-786-15-723	DP-786-15-727	DP-786-15-731
210 mm - 8 ¼ "	DP-786-15-720	DP-786-15-724	DP-786-15-728	DP-786-15-732
230 mm - 9 "	DP-786-15-721	DP-786-15-725	DP-786-15-729	DP-786-15-733

straight
straight
angled
angled

Micro needle holders

	 1:1	 1:1	 1:1	 1:1
CASTROVIEJO				
x = 11.0 mm x 0.75 mm				
140 mm - 5½"	DP-786-15-734	DP-786-15-735	DP-786-15-736	DP-786-15-737
<i>without ratchet, fine jaws</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

x = 11.0 mm x 0.75 mm				
140 mm - 5½"	DP-786-15-738	DP-786-15-739	DP-786-15-740	DP-786-15-741
<i>with ratchet, fine jaws</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>



1:1

Micro needle holders



JACOBSON				
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
	180 mm - 7"	DP786-15-742	DP786-15-743	DP786-15-744
	without ratchet	straight	curved	straight, diamond coated

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7"	DP786-15-746	DP786-15-747	DP786-15-748	DP786-15-749
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated

				
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7"	DP786-15-750	DP786-15-751	DP786-15-752	DP786-15-753
without ratchet	straight, smooth	curved, smooth	straight, serrated	curved, serrated

180 mm - 7"	DP786-15-754	DP786-15-755	DP786-15-756	DP786-15-757
with ratchet	straight, smooth	curved, smooth	straight, serrated	curved, serrated

Micro needle holders

YASARGIL

	 1:1	 1:1	 1:1	 1:1
180 mm – 7"	DP-786-15-758	DP-786-15-760	DP-786-15-762	DP-786-15-764
200 mm – 8"	DP-786-15-759	DP-786-15-761	DP-786-15-763	DP-786-15-765
<i>without ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

180 mm – 7"	DP-786-15-766	DP-786-15-768	DP-786-15-770	DP-786-15-772
200 mm – 8"	DP-786-15-767	DP-786-15-769	DP-786-15-771	DP-786-15-773
<i>with ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

Micro needle holders with round handle


YASARGIL	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"	DP-786-15-774	DP-786-15-775	DP-786-15-776	DP-786-15-777
<i>without ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"	DP-786-15-778	DP-786-15-779	DP-786-15-780	DP-786-15-781
<i>with ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"	DP-786-15-782	DP-786-15-783	DP-786-15-784	DP-786-15-785
<i>without ratchet</i>	<i>straight, smooth</i>	<i>curved, smooth</i>	<i>straight, serrated</i>	<i>curved, serrated</i>

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"	DP-786-15-786	DP-786-15-787	DP-786-15-788	DP-786-15-789
<i>with ratchet</i>	<i>straight, smooth</i>	<i>curved, smooth</i>	<i>straight, serrated</i>	<i>curved, serrated</i>



On request also available with stronger jaw 1.5 mm - 2.0 mm.

Micro needle holders with round handle


110 mm - 4 1/4"	8 mm Ø	DP-786-15-790	DP-786-15-797
125 mm - 5"	7 mm Ø	DP-786-15-791	DP-786-15-798
130 mm - 5"	8 mm Ø	DP-786-15-792	DP-786-15-799
130 mm - 5"	10 mm Ø	DP-786-15-793	DP-786-15-800
150 mm - 6"	8 mm Ø	DP-786-15-794	DP-786-15-801
180 mm - 7"	8 mm Ø	DP-786-15-795	DP-786-15-802
180 mm - 7"	10 mm Ø	DP-786-15-796	DP-786-15-803

without ratchet
straight
curved

110 mm - 4 1/4"	8 mm Ø	DP-786-15-804	DP-786-15-811
125 mm - 5"	7 mm Ø	DP-786-15-805	DP-786-15-812
130 mm - 5"	8 mm Ø	DP-786-15-806	DP-786-15-813
130 mm - 5"	10 mm Ø	DP-786-15-807	DP-786-15-814
150 mm - 6"	8 mm Ø	DP-786-15-808	DP-786-15-815
180 mm - 7"	8 mm Ø	DP-786-15-809	DP-786-15-816
180 mm - 7"	10 mm Ø	DP-786-15-810	DP-786-15-817

with ratchet
straight
curved

Micro needle holders with round handle

BARRAQUER		 1:1	 1:1	 1:1	 1:1
140 mm - 5½"	8 mm Ø	DP-786-15-818	DP-786-15-819	DP-786-15-820	DP-786-15-821
without ratchet, extra delicate jaws		straight	curved	straight, diamond coated	curved, diamond coated

140 mm - 5½"	8 mm Ø	DP-786-15-822	DP-786-15-823	DP-786-15-824	DP-786-15-825
with ratchet, extra delicate jaws		straight	curved	straight, diamond coated	curved, diamond coated



1:1

Micro needle holders



1:1

150 mm - 6"	9 mm Ø	DP-786-15-826
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without ratchet, curved

1:1