

M I C S

Minimal Invasive Cardiac Surgery



Rib Spreaders

MiniThoracotomy Retractor



Blades
30 mm / 60 mm

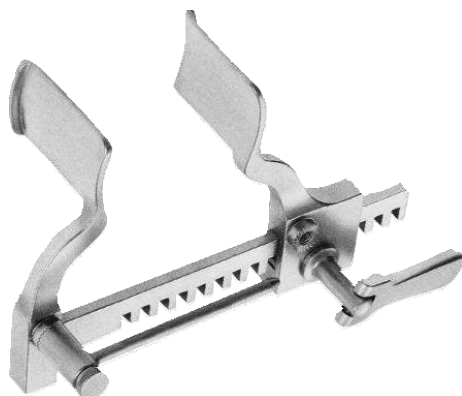
R145-101

MiniThoracotomy Retractor
hinged arms



1 Blade
30 mm / 40 mm
1 Blade
30 mm / 60 mm

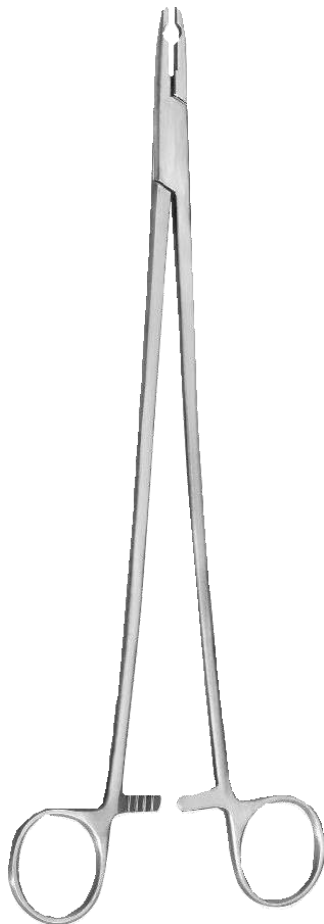
R145-111



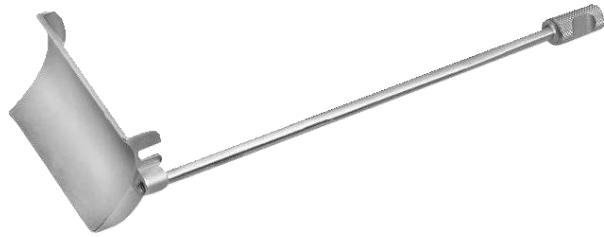
Blades
30 mm / 60 mm

R145-121

Mitral Holder Set

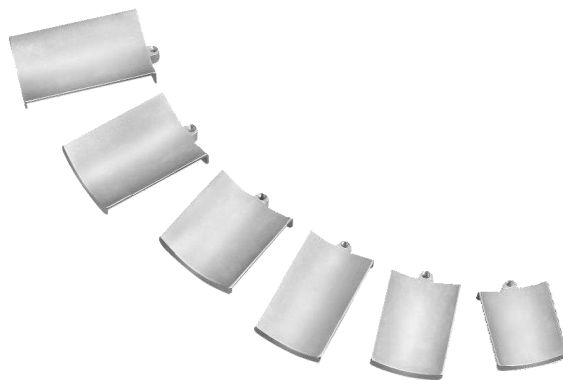


Rod Forceps
R147-001



Holding Rod

16cm	R147-116
20cm	R147-120



Blades only

40 / 35 mm	R147-011
50 / 35 mm	R147-012
60 / 35 mm	R147-013
50 / 45 mm	R147-014
60 / 45 mm	R147-015
70 / 45 mm	R147-016

Mitral Holder Set Complete
incl. Holding Rod and 6 different blades

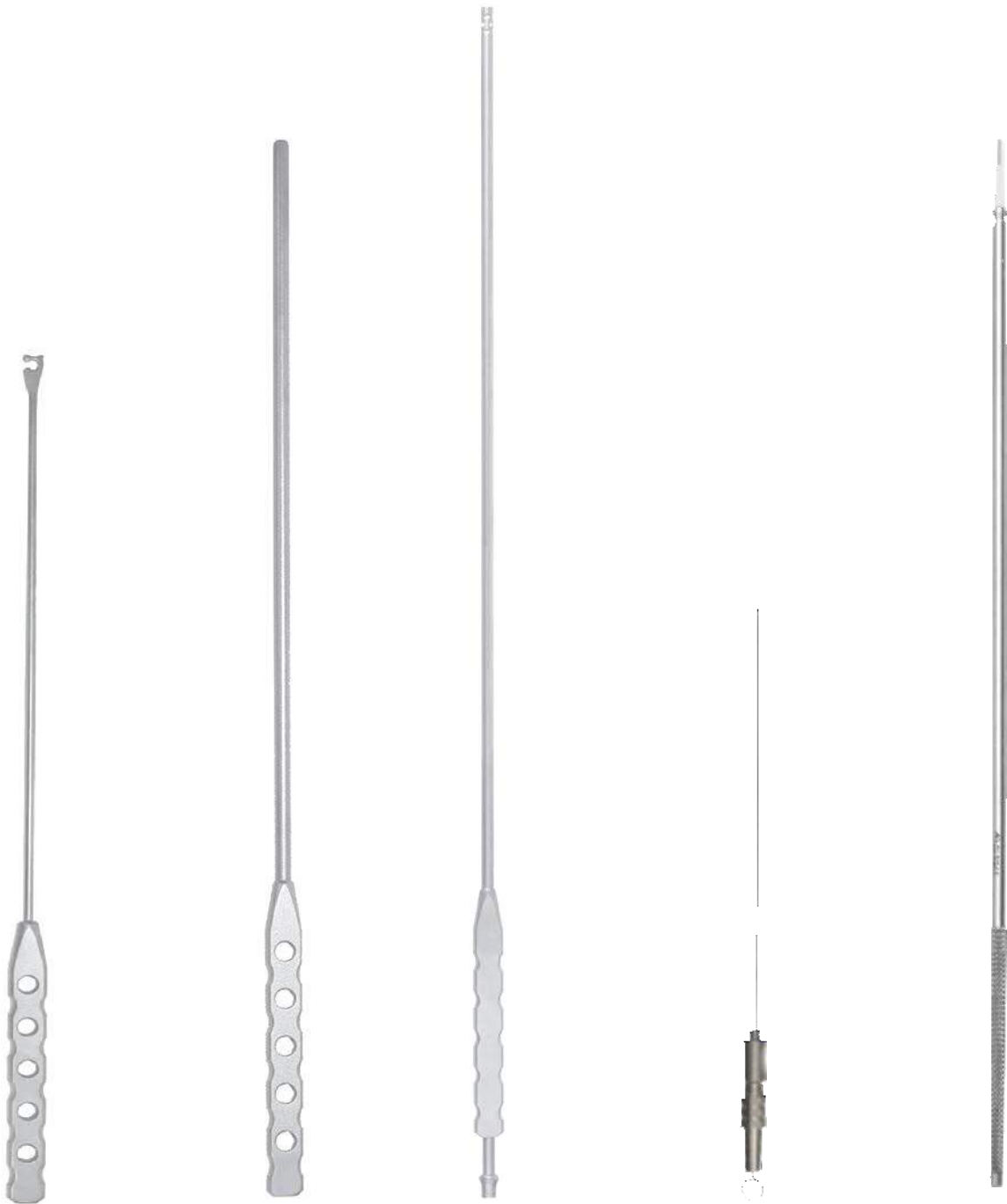
R147-000

Various Products



Nerve- and Vessel Hooks 30 cm		Nerve- and Vessel Hooks with comfort handle		SutureCatcher 30 cm		SutureCatcher 23 cm		Knot Pusher 25 cm, 5mm	
Fig. 1	475-001			475-020		475-021		475-028	
Fig. 2	475-002								
Fig. 3	475-003								

Various Products



Knot Pusher		Valve Pusher 34cm		Suction Instrument 5mm, 47,5 cm		Nitinol Suction Tubes 18 cm		Scalpel Handle 36 cm	
25 cm	475-030	475-035		475-050		2 mm	475-052	475-101	
30 cm	475-031					3 mm	475-053		
32 cm	475-032					4 mm	475-054		

Various Products



Suture Ruler
35 cm
0,0-60mm

475-112



Gauge
34 cm
3- 330mm

475-114



Cardioplegia Needles
31 cm

2 mm	475-132
3 mm	475-133



Bar Magnet
34cm

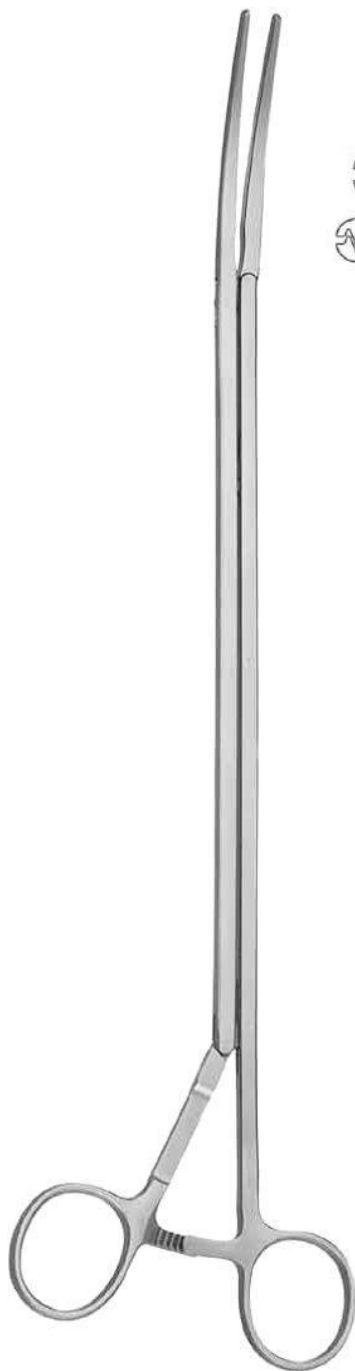
475-141



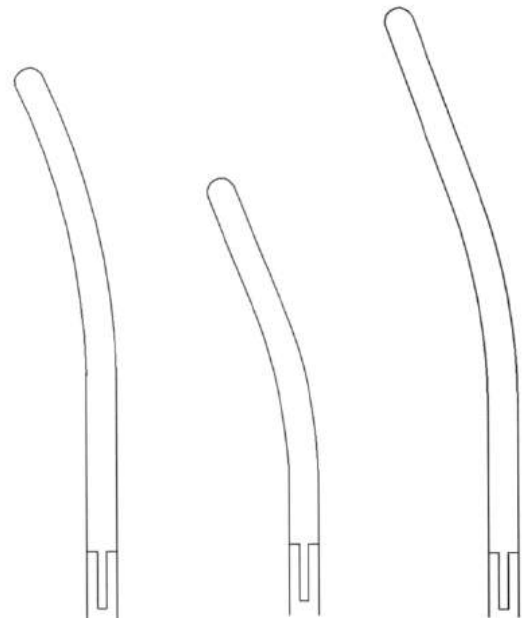
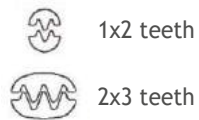
Magnet Retriever
25 cm, 4 mm

475-140

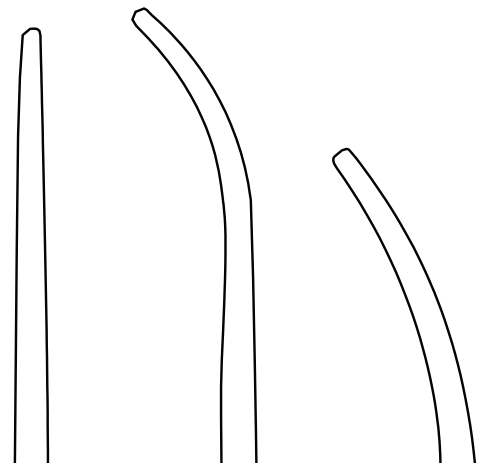
Forceps Slider-Pattern



DEBAKEY-SLIDER
10 mm, with ratchet

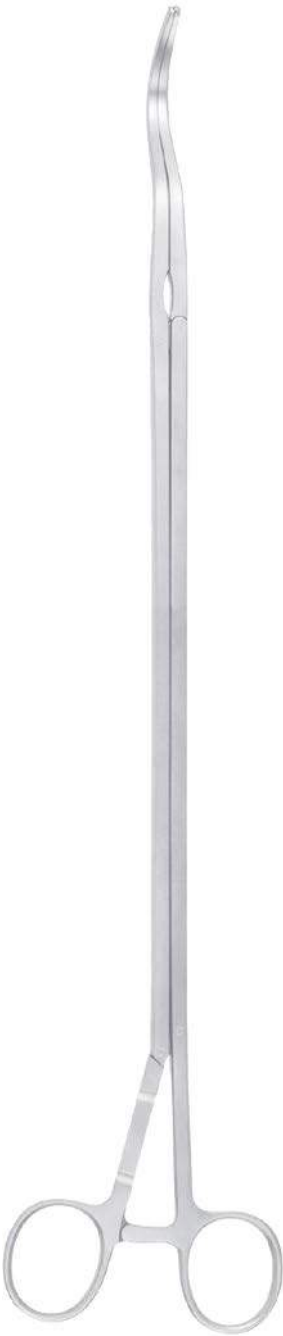


Length	29 cm	33 cm	36 cm
Shaft	10 mm	10 mm	10 mm
WL	20 cm	24 cm	27 cm
Jaw	82 mm	62 mm	92 mm
1 x 2 teeth	475-301	475-302	475-303
2 x 3 teeth	475-306	475-307	475-308

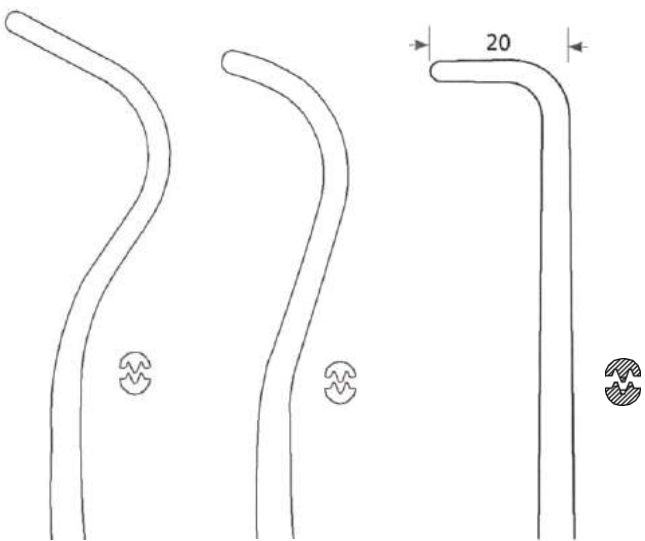


Length	29 cm	33 cm	29 cm
Shaft	7 mm	7 mm	10 mm
WL	19 cm	23 cm	19 cm
Jaw	65 mm / 2,5 mm	65 mm / 2,5 mm	50 mm / 3,0 mm
1 x 2 teeth	475-310	475-311	475-313

Forceps Slider-Pattern

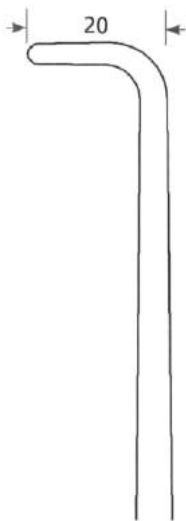


HARKEN-DEBAKEY-SLIDER

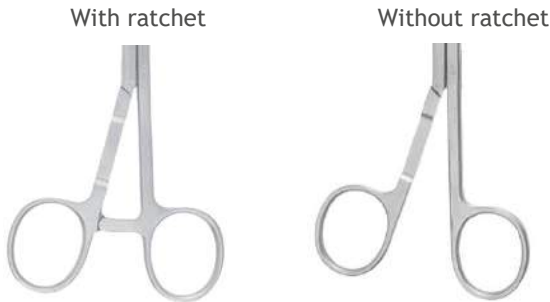


DEBAKEY-HARKEN DEBAKEY-MIXTER

Length		35 cm	35 cm	29 cm	33 cm
Shaft		10 mm	10 mm	5 mm	10 mm
WL		26 cm	26 cm		24 cm
With ratchet	1x2 teeth	475-320	475-321		475-327
Without ratchet	1x2 teeth	475-324	475-325	475-326	475-328



MIXTER-SLIDER



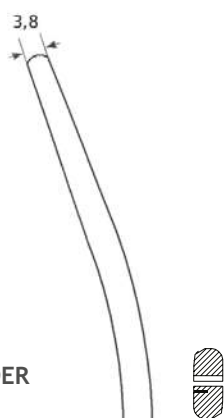
With ratchet

Without ratchet

longitudinal teeth cross teeth

Length	34 cm	34 cm
Shaft	10 mm	10 mm
WL	25 cm	24 cm
With ratchet		475-341
Without ratchet	475-340	475-342

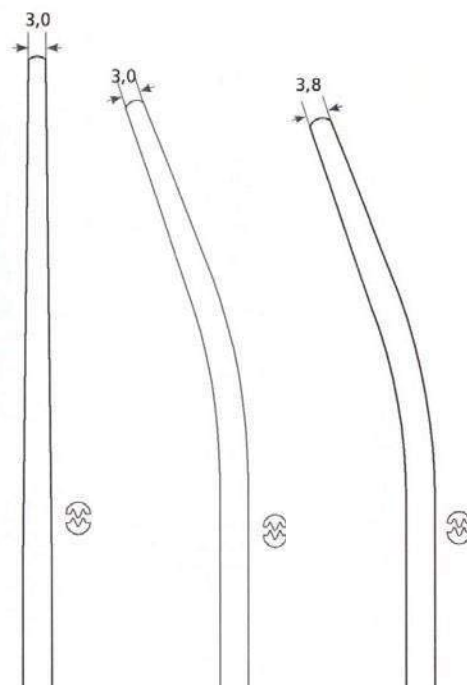
Forceps Slider-Pattern



DENNIS-SLIDER

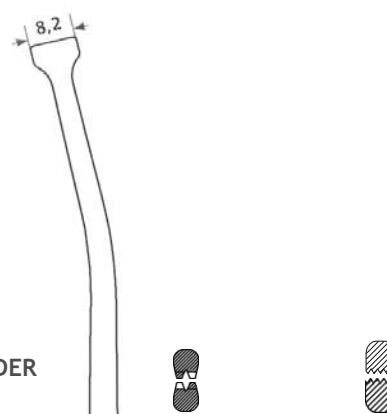
Length	33 cm	33 cm	38 cm
Shaft	10 mm	7 mm	7 mm
WL	24 cm	23 cm	28 cm
Jaw	11 cm	10,5 cm	10,5 mm
With ratchet		475-335/07	
Without ratchet	475-335		475-336

DEBAKEY-SLIDER



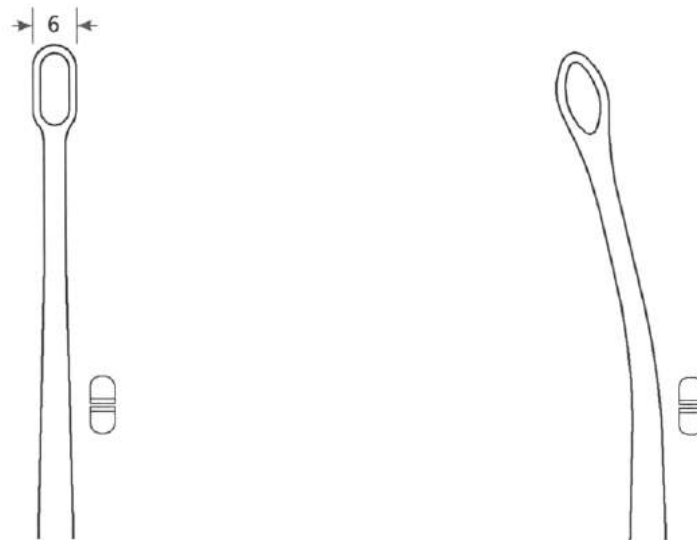
Length	38 cm	38 cm	37 cm
Shaft	10 mm	10 mm	10 mm
WL	29 cm	29 cm	28 cm
Jaw	11 cm / 3 mm	11 cm / 3 mm	10,5 cm / 3,8 mm
With ratchet	475-330	475-332	475-333

ALLIS-SLIDER



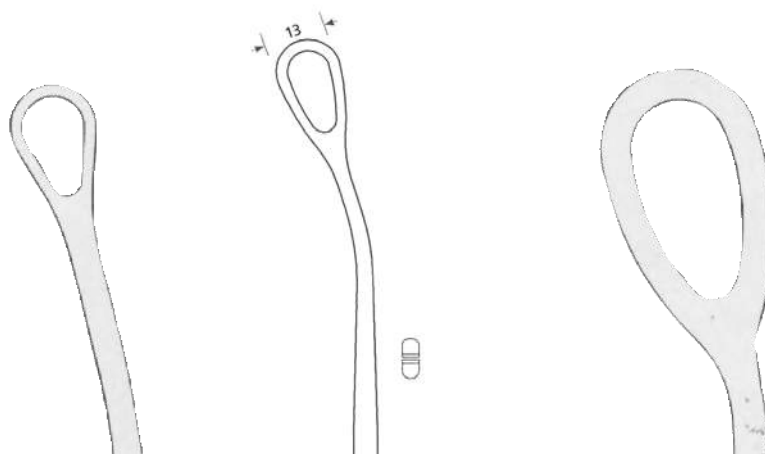
Length	34 cm	33 cm
Shaft	10 mm	10 mm
WL	25 cm	25 cm
Jaw	6,5 cm, 8,2 mm	7,0 cm, 7,2 mm
With ratchet	475-337	475-338

Forceps Slider-Pattern



FÖRSTERS SLIDER

Length	33,5 cm	33,5 cm	28 cm	33,5 cm	33,5 cm	33,5 cm
Shaft	10 mm	5 mm	5 mm	5 mm	10 mm	7 mm
WL	24 cm	24 cm	18 cm	24 cm	24 cm	24 cm
Jaw	6x1 mm oval	6x11 mm oval	6x11 mm oval	6x11 mm oval	7x12 mm oval	7x12 mm oval
With ratchet	475-345	475-345/05	475-343	475-344	475-346	475-346/07

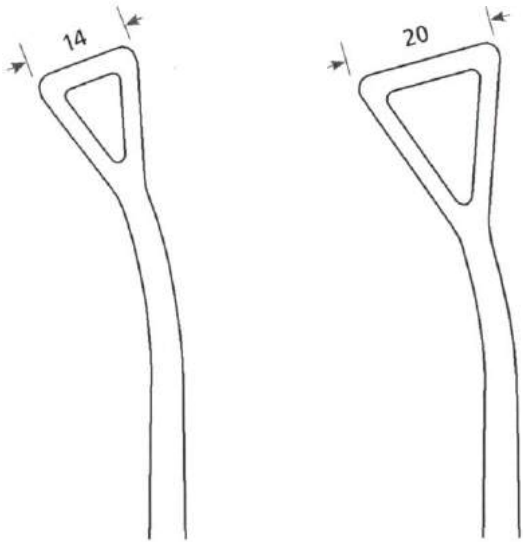


Length	33,5 cm	35 cm	35 cm	28 cm
Shaft	7 mm	10 mm	10 mm	7 mm
WL	24 cm	26 cm	25 cm	18 cm
Jaw	10x16 mm oval	13x26 mm oval	20x35 mm oval	20x35 mm oval
With ratchet	475-347/07	475-348	475-349	475-355

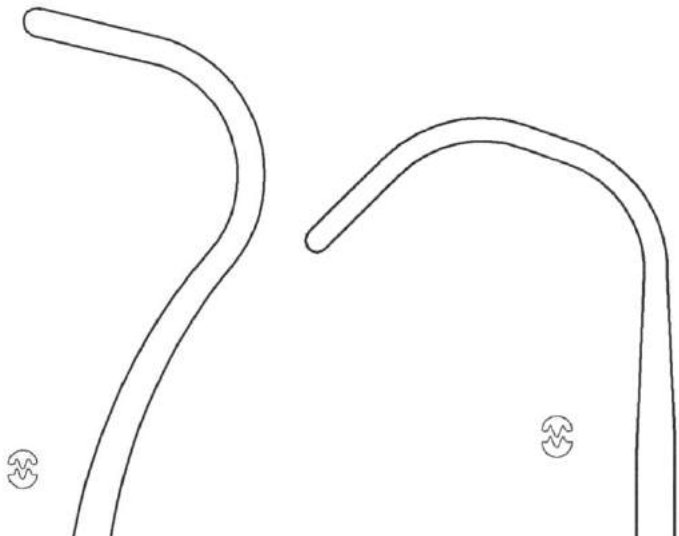
Forceps Slider-Pattern



DUVAL-DEBAKEY SLIDER

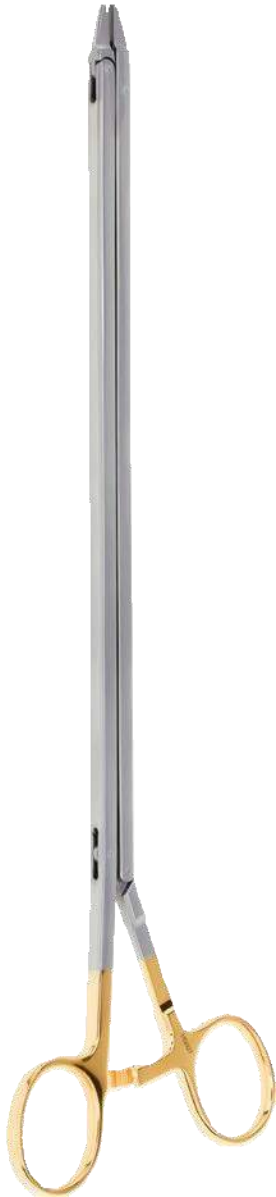


				
Length	33 cm	33 cm	33 cm	33 cm
Shaft	10 mm	10 mm	10 mm	10 mm
WL	25 cm	25 cm	25 cm	25 cm
Jaw	14 mm DeBakey	14 mm cross teeth	20 mm DeBakey	20 mm cross teeth
With ratchet	475-350	475-351	475-352	475-353



Length	36 cm	31,5 cm
Shaft	10 mm	10 mm
Jaw	27 mm	23 mm
With ratchet	475-360	475-362

Needle Holders



Slider-Needle Holder
with ratchet



Length	28 cm	28 cm
Shaft	10 mm	10 mm
WL	19 cm	19 cm
Jaw	2,0 mm	1,4 mm
Suture Size	5-0 thread max	5-0 thread max
	Diamond Jaw	Diamond Jaw
With ratchet	475-380D	475-382D



Length	25 cm	25 cm	28 cm	34 cm	34 cm
Shaft	10 mm	3 mm	3 mm /TC	3 mm /TC	4 mm /TC
WL	20 cm	20 cm	18 cm	24 cm	24 cm
Jaw	2 mm	3 mm	4 mm	4 mm	4 mm
Suture Size	5-0 thread max	4-0 thread max	2-0 thread max	2-0 thread max	2-0 thread max
Item No.	475-390T	475-392T	475-394T	475-396T	475-396



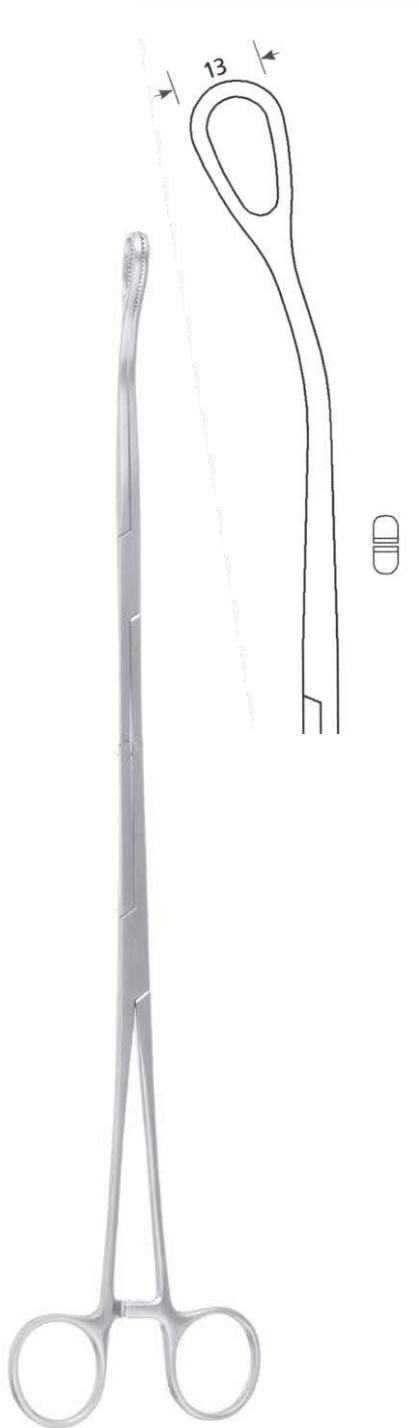
Length	25 cm	28,5 cm	28,5 cm	34 cm	34 cm
Shaft	10 mm	10 mm	7 mm	10 mm	7 mm
WL	20 cm	18 cm	18 cm	24 cm	24 cm
Jaw	3 mm	4 mm	4 mm	4 mm	4 mm
Suture Size	4-0 thread max	2-0 thread max	2-0 thread max	2-0 thread max	2-0 thread max
Item No.	475-393T	475-395T	475-395/07T	475-397T	475-397/07T

NeedleHolderDoubleAction



DEBAKEY-NEWMAN
(Naunton-Morgan)

18 cm / 7"	475-436
26 cm / 10 ¼"	475-437
33 cm / 13"	475-440
37 cm / 14 ½"	475-441



HALLMANN
with crossteeth

34.5cm / 13½"	475-400
40cm / 15¾"	475-401



HALLMANN-GREGORY-DEBAKEY
with 2 x 3 teeth

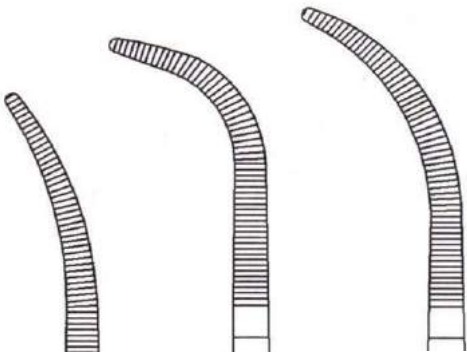
38cm / 15"	475-410
48cm / 19"	475-411

Grasping Forceps Double Action



BABCOCK

	straight	angled
33 cm / 13"	475-415	475-417
37cm / 14 ½"	475-416	475-418

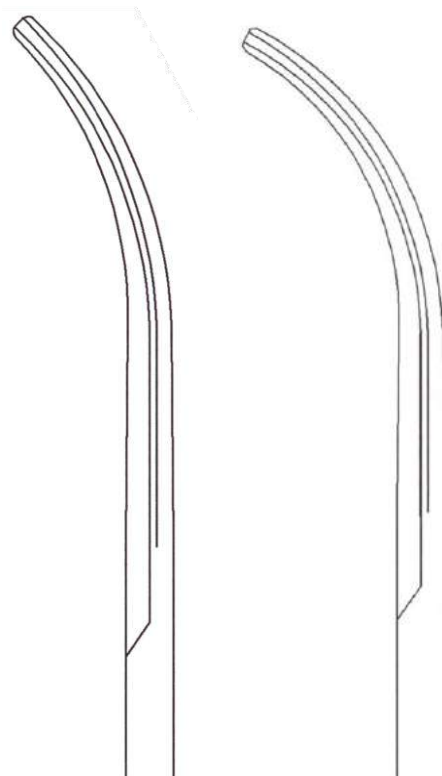


	ZENKER	RUMEL	OVERHOLT
33 cm / 13"	475-421	475-423	475-425
37cm/14½"	475-422	475-424	475-426

ScissorsDoubleAction

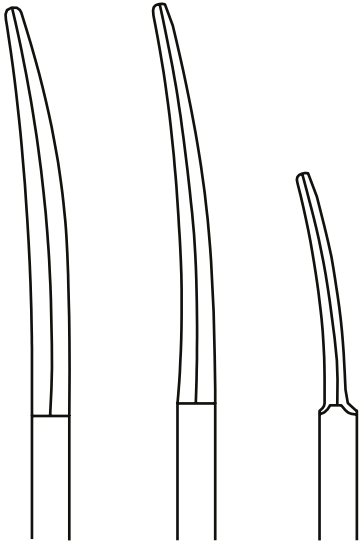


METZENBAUM

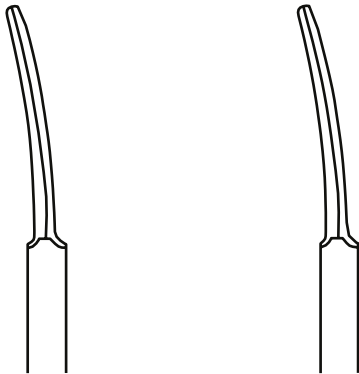


	slightly curved	slightly curved	strong curved	strong curved
Length	32,5 cm	36,5 cm	32,5 cm	36,5 cm
Shaft	10 mm	10 mm	10 mm	10 mm
WL	21,5 cm	21,5 cm	21,5 cm	21,5 cm
Jaw	73 mm	73 mm	67 mm	67 mm
Item No.	475-550	475-551	475-554	475-555

Sliding Shaft Scissors



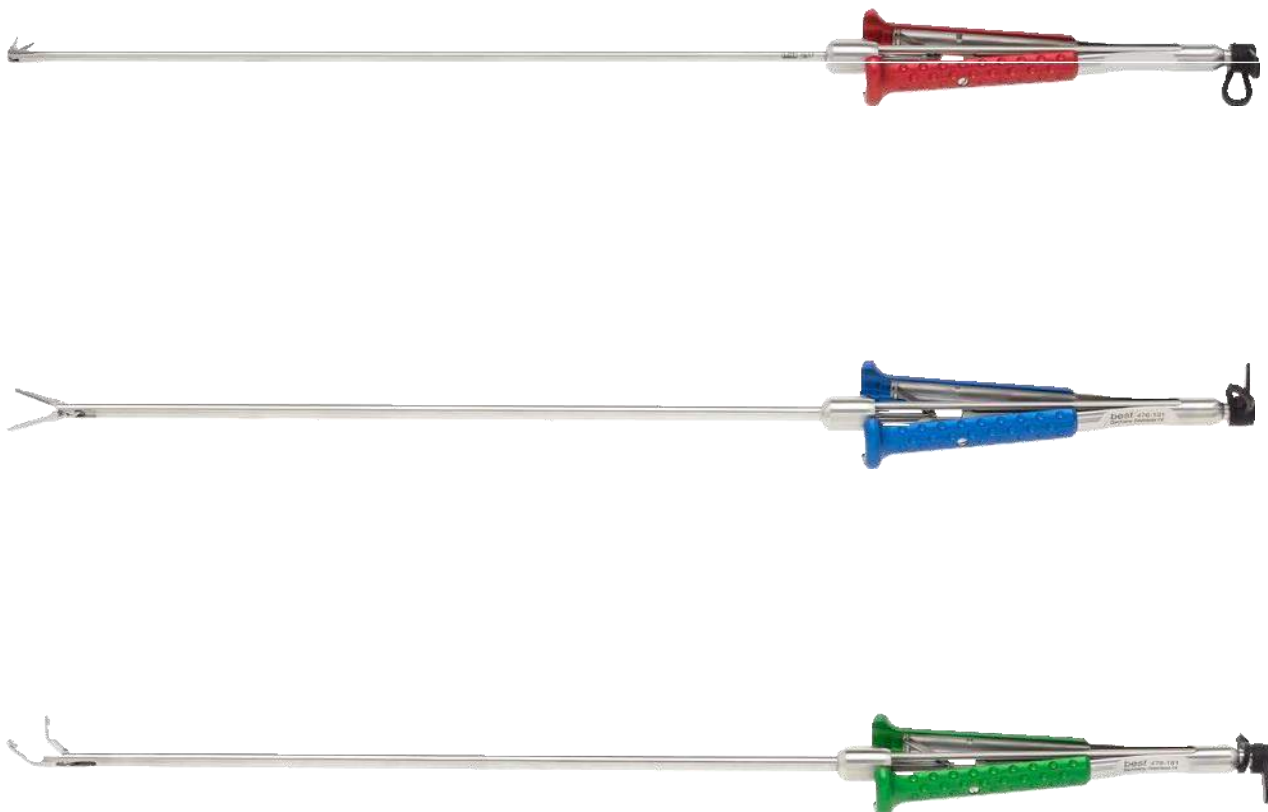
Length	36 cm	36 cm	29 cm
Shaft	10 mm	10 mm	10 mm
WL	25 cm	25 cm	18 cm
Jaw	55 mm	55 mm	35 mm
Item No.	475-570	475-571	475-573



Length	35,5 cm	32 cm	29 cm
Shaft	5 mm	5 mm	5 mm
WL	23 cm	19,5 cm	16,5 cm
Jaw	35 mm	35 mm	30 mm
Item No.	475-581	475-582	475-583

Exclusive line of special instrumentation for MICS (Minimal Invasive Cardiac Surgery) with comfortable colored Golf-Ball Design handles.

Axial Cleaning / Irrigation Channel. Standard-Working Length 25 cm, other options are 17 cm and 30 cm or any other length requested.



All products from page 18 to 23 can be received as a modular System. The system allows a very simple click-in solution for easy exchange of the inserts. Besides the advantages of cleaning, this is especially helpful for all types of scissors. You always have sharp scissors available.



All Scissors are available with ceramic coating of the tips. For the ceramic coating version please add **CC** to the respective Catalogue-Number.

Scissors



Scissors
single action

	Complete	Tip only
	Fixed	Modular
5 mm	476-001	476-001M



Scissors
double action

	Complete	Tip only
	Fixed	Modular
5 mm	476-002	476-002M



Scissors

	Complete	Tip only
	Fixed	Modular
7 mm	476-010	476-010M



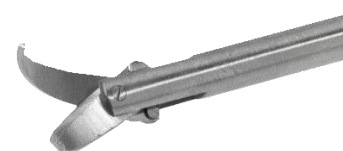
Scissors
double action 15°

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-011	476-011M
5 mm	476-012	476-012M



Scissors
double action 30°

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-014	476-014M
5 mm	476-015	476-015M



Scissors
double action 70°

	Complete	Tip only
	Fixed	Modular
5 mm	476-017	476-017M



JAMESON



Scissors
15°

	Complete	Tip only
	Fixed	Modular
5 mm	476-031	476-031M



POTTS SHORT

Scissors
45°

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-041	476-041M



POTTS LONG

Scissors
45°

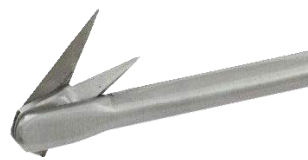
	Complete	Tip only
	Fixed	Modular
3,5 mm	476-045	476-045M



POTTS

Scissors
90°

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-047	476-047M



POTTS

Scissors
125°

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-049	476-049M
5 mm	476-065	476-065M

Grasping Forceps



DEBAKEY

Straight
Single action 1,5/14 mm

	Complete	Tip only
	Fixed	Modular
5 mm	476-111	476-111M



DEBAKEY

Angled up 45°
Single action 1,5/14 mm

	Complete	Tip only
	Fixed	Modular
5 mm	476-113	476-113M



DEBAKEY

Sideways 15°
Double action 2,8/10 mm

	Complete	Tip only
	Fixed	Modular
5 mm	476-114	476-114M



DEBAKEY

Sideways 45°
Double action 2,8/10 mm

	Complete	Tip only
	Fixed	Modular
3,5 mm	476-101	476-101M



DEBAKEY

Sideways 45°
Single action 1,5/14 mm

	Complete	Tip only
	Fixed	Modular
5 mm	476-115	476-115M



DEBAKEY

double action
straight, 1x2 teeth

		Complete	Tip only
	Jaw	Fixed	Modular
5 mm	1,5 x 10 mm	476-131	476-131M
5 mm	2,8 x 10 mm	476-133	476-133M
3,5 mm	1,5 x 10 mm	476-140	476-140M
3,5 mm	2,8 x 10 mm	476-141	476-141M



DEBAKEY

double action
straight, 2x3 teeth

		Complete	Tip only
	Jaw	Fixed	Modular
5 mm	4,8 x 16 mm	476-135	476-135M
5 mm	4,8 x 28 mm	476-136	476-136M



KNOT PUSHER

angled up 45°, single action

	Complete	Tip only
	Fixed	Modular
5 mm	476-161	476-161M



RESANO-VALVE

single action

	Complete	Tip only
	Fixed	Modular
5 mm	476-171	476-171M



RESANO-VALVE

single action

	Complete	Tip only
	Fixed	Modular
5 mm	476-172	476-172M



SUTURE

double action 9 mm

	Complete	Tip only
	Fixed	Modular
5 mm	476-176	476-176M

Special Instruments



DEBAKEY-TC

Combi-Grasper
single action

	Complete	Tip only
	Fixed	Modular
5 mm	476-221	476-221M



GEMINI

curved
double action

	Complete	Tip only
	Fixed	Modular
5 mm	476-237	476-237M



VALVE RONGEUR

oval
single action

	Complete	Tip only
	Fixed	Modular
4 mm	476-251	476-251M



VALVE RONGEUR

oval, 45° angled up
single action

	Complete	Tip only
	Fixed	Modular
4 mm	476-253	476-253M



Clip Forceps
for medium clips

	Complete	Tip only
	Fixed	Modular
4 mm	476-260	476-260M

Needle Holder with Ratchet single action



Needle Holder TC
Straight

		Complete	Tip only
	Jaw	Fixed	Modular
3,5 mm	2 x 6 mm	476-501	476-501M
5 mm	3 x 10 mm	476-511	476-511M
5 mm	2 x 8 mm	476-531	476-531M



Needle Holder TC
Curved Left

		Complete	Tip only
	Jaw	Fixed	Modular
3,5 mm	2 x 6 mm	476-502	476-502M
5 mm	3 x 10 mm	476-512	476-512M



Needle Holder TC
Curved Right

		Complete	Tip only
	Jaw	Fixed	Modular
5 mm	3 x 10 mm	476-513	476-513M



Needle Holder
Ryder

		Complete	Tip only
	Jaw	Fixed	Modular
5 mm	1 x 8 mm	476-521	476-521M
5 mm	1 x 10 mm	476-522	476-522M



Needle Holder
Diamond Dust 3 x 10 mm

		Complete	Tip only
		Fixed	Modular
5 mm	straight	476-551	476-551M
5 mm	curved left	476-552	476-552M



Combi-Needle Holder TC
with Hook Scissors

		Complete	Tip only
		Fixed	Modular
5 mm	straight	476-231	476-231M
5 mm	curved right	476-232	476-232M
5 mm	curved left	476-233	476-233M

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Other brochures available from Precision Surgical upon request.

