



ValveGate™ PRO



Efficient surgery. Less invasive. Optimum results.





ValveGate™ PRO

Efficient surgery. Less invasive. Optimum results.

Achieve smaller approaches. Handle greater challenges.

Minimally invasive approaches, performed through small incisions, are becoming state-of-the-art in an effort by healthcare professionals to provide each patient with the best possible treatment. The most common types of minimally invasive cardiac surgery (MICS) are valve surgeries, including repairs and replacements, and even more challenging, coronary artery bypass. Such smaller incisions without a full sternotomy are expected to leave smaller scars with less trauma and bleeding, including less pain, and a decreased risk of infection. They also should decrease the length of the patient's hospital stay and recovery time.

One of the best just got better.

15 years experience and close cooperation with opinion leaders in Minimally Invasive Cardiac Surgery resulted in the development of our latest and most advanced generation of ValveGate™ MICS instruments... the all new ValveGate™PRO line!

Features:

- Ultra-lightweight and perfect balance
- Completely made from surgical stainless steel - without any plastic or aluminium components
- Full injection straight-flush cleaning concept
- Adjustable jaw and handle opening according users preference for less fatigue and time savings
- Scissors designed to cut even through hardest calcified tissues
- Needle Holders firmly grasp and drive even the largest needles
- Precise Anastomosis Suturing by finger turning and not by wrist bending
- New high precision ratchet
- Soft touch handles with elastic springs
- Ergonomic FAIRGRIP™ handles with large dimples
- Solid construction and optimized surfaces for maximum durability, wear and corrosion resistance
- Color coded handles
(Gold= Needle Holders, Black= Scissors, Silver= Graspers, all others).





ValveGate™ PRO



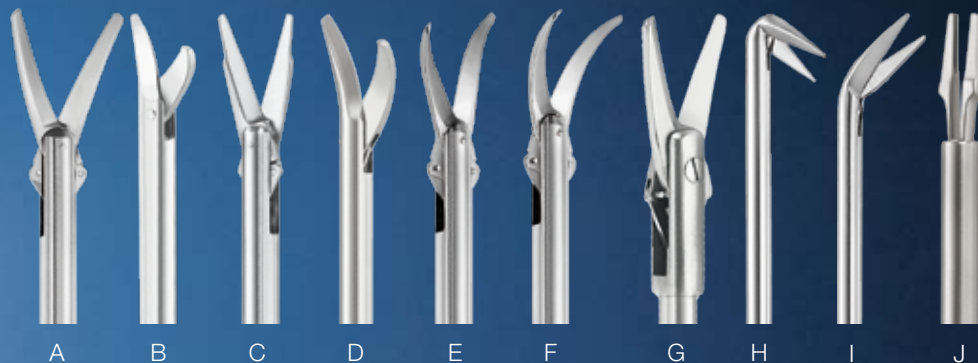


ValveGate™ PRO Scissors

A	38-7830	15° curved
B	38-7832	20° curved, single action
C	38-7831	Jameson-style, curved, with tenotomy tips
D	38-7836	40° curved, single action
E	38-7835	30° curved
F	38-7840	70° curved
G	38-7833	Robust Scissors 15° curved, 7 mm shaft
H	38-7860	125° Potts-style, 3.4 mm shaft
I	38-7862	45° Potts-style, 3.4 mm shaft

ValveGate™ PRO Clip Applying Forceps

J	38-7460	small, for use with SLS/Vitalitec Clips
	38-7462	medium, for use with SLS/Vitalitec Clips



5 mm shaft diameter, unless otherwise specified. Standard working length 25 cm/10" for minimally invasive valve surgery. For different length add "S", "C", "B" or "L" behind article number.

S = 17 cm/6¾"

C = 15 cm/6"

B = 12 cm/5"

L = 30 cm/12"



ValveGate™ PRO




ValveGate™ PRO Needle Holders with ratchet

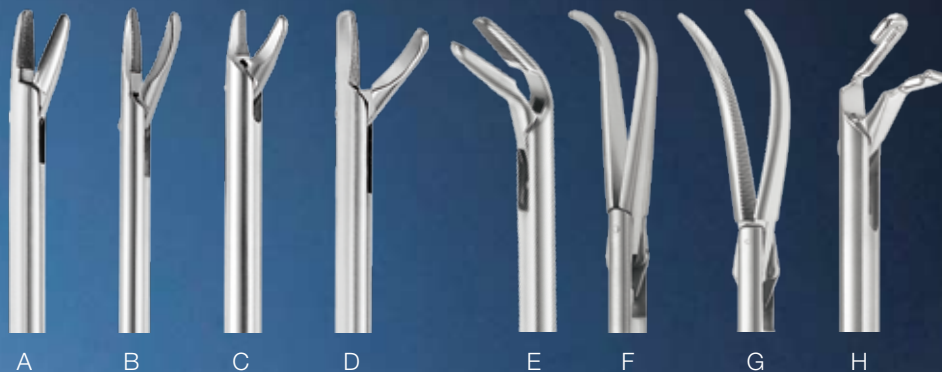
- | | | |
|---|---------|---|
| A | 38-7800 | TC straight jaw |
| B | 38-7802 | TC curved jaw |
| C | 38-7805 | TC Ryder jaw |
| D | 38-7806 | TC curved, mini jaw,
fine 2.7 mm shaft |
| E | 38-7807 | TC angled up jaw |

ValveGate™ PRO Dissecting Forceps

- | | | |
|---|---------|--|
| F | 38-7828 | Gemini-style, smooth,
dilating action |
| G | 38-7823 | Leaflet Holding Forceps,
with ratchet |

ValveGate™ PRO Knot Pusher

- | | | |
|---|---------|---------------|
| H | 38-7850 | push to close |
| | 38-7851 | push to open |



5 mm shaft diameter, unless otherwise specified.
Standard working length 25 cm/10" for minimally
invasive valve surgery. For different length add
"S", "C", "B" or "L" behind article number.

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ValveGate™ PRO





ValveGate™ PRO DeBakey Graspers

- | | | |
|---|---------|---|
| A | 38-7820 | 1 x 2 AG, narrow, 1,5x11 mm |
| B | 38-7821 | 1 x 2 AG, narrow, 1,5x14 mm, angled upwards |
| C | 38-7822 | 1 x 2 AG, narrow, 1,5x14 mm, angled sideways |
| D | 38-7824 | Resano jaw for valves |
| E | 38-7825 | 1 x 2 AG, wide jaw, 2,8x11 mm |
| F | 38-7826 | 2 x 3 AG, extrem wide, 4,8x14 mm soft with extra fine teeth |
| G | 38-7827 | 1 x 2 AG, narrow, 1,5x11 mm 3 mm malleable shaft |

5 mm shaft diameter, unless otherwise specified.
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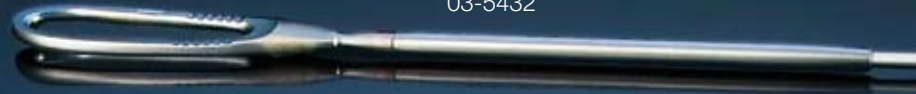


ValveGate™

03-5420



03-5432



03-5409





03-5430



03-5425

ValveGate™ Suture Ruler

(Chordae Tendinae Measuring and Knotting Device for expanded PTFE sutures)

03-5409 ValveGate™ Suture Ruler/
3-60 mm, 34 cm/13¾"

ValveGate™ Knotting Device

for chordal reconstruction with ePTFE sutures

03-5420

Shibata™ Chordae System

knotting device for facilitating chordal loop making

03-5425 15-26 mm

03-5425L 11-30 mm

Yozu™ Suture Gage

03-5432

Yozu™ Knotting Caliper

with weight holder

03-5430



ValveGate™



A B C D E F G H I J



A	34-7486	ValveGate™ Fine Nerve and Vessel Hook	35 cm/13¾"
B	34-7485	ValveGate™ Nerve and Vessel Hook	35 cm/13¾"
C	34-7484	ValveGate™ Vessel Hook	35 cm/13¾"
D	34-7475	ValveGate™ Suture Catcher fine, 1.8 mm	35.5 cm/14"
	34-7476	ValveGate™ Suture Catcher extra fine, 1.5mm	
E	34-7480	ValveGate™ Magnetic Retriever	35 cm/13¾"
F	34-7471	ValveGate™ Scalpel Blade #11 Holder (without blades)	35 cm/13¾"
	16-2011	Scalpel Blades #11 (pack of 100, sterile)	
G	34-7470	ValveGate™ Mini Scalpel Blade Holder (without blades)	37 cm/14½"
	16-2065	Mini Scalpel Blades (pack of 10, sterile)	
H	34-7465	ValveGate™ Valve Pusher	35 cm/13¾"
I	34-7495	ValveGate™ Knot Pusher	34 cm/13⅔"
J	34-7496	ValveGate™ Knot Pusher with disc	34 cm/13⅔"



ValveGate™





18-0050	ValveGate™ Cardioplegia Needle ø 2 mm (Bredschneider)	30.5 cm/12½"
18-0051	ValveGate™ Cardioplegia Needle ø 3mm (4:1)	30.5 cm/12½"
34-0960.AC	ValveGate™ Endoscope ø 5 mm 0° *	30 cm/12"
34-0961.AC	ValveGate™ Endoscope ø 5 mm 30° *	30 cm/12"
18-4530	Heavy Bullet Vent 14x56 mm	
13-4540	Double Lumen Bullet Vent 14x50 mm	
18-4520	Ross Ventricular Vent, Adult	
18-4521	Ross Ventricular Vent, Child	
18-4522	Ross Ventricular Vent, Infant	
34-0855	Thoracic Trocar	6 mm
34-7510	Flexible Trocar	6 mm 70 mm
34-7511	Flexible Trocar	6 mm 100 mm
34-0953	Automatic Trocar Sleeve with manual opening	5.5 mm
34-0956	Trocar, pyramidal point	5.5 mm
34-3400	Veress Insufflation Needle	120 mm
34-0860	Yozu™ Introducer Trocar	2.3 mm

* autoclavable, universal eyepiece for C-Mount adapters with adapters compatible for Storz/Wolf/ACMI-type lightcables



ValveGate™



34-7280

34-7302

34-7450

20-0351

20-0352

20-0378



34-7301

34-7300

34-7301	ValveGate™ Transthoracic Aortic Clamp 100 mm 1 x 2 DeBakey slim jaws	27 cm/10½"
34-7306	ValveGate™ Transthoracic Aortic Clamp 100 mm 2 x 3 DeBakey wide jaws	27 cm/10½"
34-7311	ValveGate™ Transthoracic Aortic Clamp 100 mm 2 x 3 DeBakey wide jaws strongly curved	27cm/10½"
34-7303	ValveGate™ Transthoracic Aortic Clamp 75 mm 1 x 2 DeBakey slim jaws	25.5 cm/10"
34-7302	ValveGate™ Transthoracic Aortic Clamp 50 mm 1 x 2 DeBakey slim jaws	23 cm/9"
34-7450	ValveGate™ Aortic Valve Rongeur 3 mm straight	30 cm/12"
34-7451	ValveGate™ Aortic Valve Rongeur 3 mm 30°, upwards	30 cm/12"
20-0351	DeBakey Bulldog Clamp straight	9 cm/3½"
20-0352	DeBakey Bulldog Clamp straight	10.5 cm/4"
20-0378	Bulldog Clamp Applying Forceps	24 cm/9½"
34-7280	Endoscopic Bulldog Clamp Applier, angled	27 cm/10½"
34-7281	Endoscopic Bulldog Clamp Applier, straight	27 cm/10½"

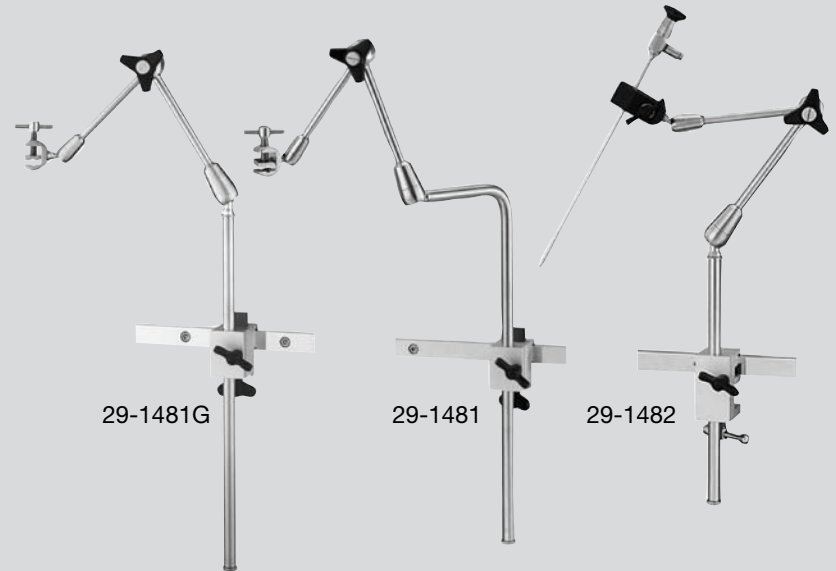


ValveGate™



29-1380

29-1379



- 29-1380 ValveGate™ Set of 6 Mitral Blades
(35x40/35x60/35x50/45x50/45x60/45x70 mm)
with Holder and Introducer
- 29-1379 ValveGate™ Set of 6 Tricuspidal Blades
(19x25.5/24.5x25.5/38x25.5/34.5x38.5/25.5x51/48x25.5 mm)
with Holder and Introducer
- 29-1481G Iron-Assistant™ Instrument Holder, extra long straight bar
- 29-1481 Iron-Assistant™ Instrument Holder, L-shaped bar
- 29-1481/I ditto, insulated for use with HF-surgery
- 29-1482 Iron-Assistant™ Endoscope Holder, straight bar
- 29-1482/I ditto, insulated for use with HF-surgery



ValveGate™



26-1395

29-1397.06

30-0740

29-1390



23-1396

ValveGate™ Mini-Thoracotomy Retractor

- 29-1395 with straight arms, 36 mm x 60mm tubular blades and turnable crossbar (detachable) for accessories
- 29-1390 with curved arms, 36 mm x 60 mm tubular blades with strong spreading bar and turnable crossbar (detachable) for accessories
- 29-1390.45 as above, but 36 mm x 45 mm blades
- 29-1390.80 as above, but 36 mm x 80 mm blades

Recommended ValveGate™ Accessories:

- 29-1397.06 ValveGate™ Suture Ring 6 mm with removable springs
- 29-1397.08 ValveGate™ Suture Ring 8 mm with removable springs
- 29-1395.TB Extra turnable crossbar
- 29-1500.BH Malleable Atrial Retractor 20 mm
- 29-1500.HS Cooley Atrial Hook 20 mm curved basket
- 29-1501.HS Cooley Atrial Hook 20 mm straight basket
- 29-1500.HS/D Cooley Atrial Hook 20 mm curved basket, long shaft
- 29-1428 Fixation Clamp
- 29-1437 Multi-Purpose Spatula

ValveGate™ Mini-Thoracotomy Retractor **

- 29-1396 with hinged arms, 2 x 2 exchangeable parallel blades 36 mm x 40 mm and 36 mm x 55 mm, turnable crossbar (detachable) for accessories*
- 29-1396.E2 as above, but 2 x 2 tubular blades 40 mm x 50 mm and 40 mm x 70 mm
- 29-1396.E3 as above, but 3 x 2 tubular blades 40 mm x 30 mm and 40 mm x 50 mm and 40 mm x 70 mm
- 30-0740 Cone Retractor 14.5 cm/53/4" deep pattern
- 30-0546.16 Memory Malleable Spatula 16 mm 18 cm/7"
- 30-0546.19 Memory Malleable Spatula 19 mm 18 cm/7"
- 30-0546.24 Memory Malleable Spatula 24 mm 18 cm/7"

* shown with 29-1428 and 29-1500.HS (not included)

** also available with fenestrated blades. Add "M" behind article number.



ValveGate™



ValveGate™ Soft Tissue Protector

The ValveGate™ Soft Tissue Protector for Minimally Invasive Valve Surgery is a sterile, single patient use wall access device consisting of 2 overlaid plastic rings that are interconnected by means of a silicone rubber membrane. The bottom ring is a flexible ring made with a shape memory alloy to be inserted in situ.

The special features are:

- clear and unimpeded access to surgical site in minimally invasive valve or bypass surgery, MIDCAB, V.A.T.S., transcatheter or transapical valve replacement a.o.
- protects wound edge and surrounding tissue
- usable with or without retractor
- can be used in combination with incision foil
- reduces risk of embolic fat particles on instruments, sutures and knot pushers
- improves visibility and exposure
- self-holding, for incisions from 6 cm to 9 cm (regular size) and from 3 cm to 5 cm (small size)
- very easy to insert in situ
- high flexibility
- latex-free silicone rubber

Art.-No. 29-1399

regular Size

Art.-No. 29-1399S

small size



Art.-No. 25-8010

Punch Forceps for Soft Tissue Protector

26 cm, for cutting circular holes for placement of tubes and drains.



For easy placement simply push the flexible ring downwards as illustrated and insert it into the wound cavity. Then push the reversed portion carefully down as well and expand it. Remove it in the opposite way by inserting some fingers, grabbing a part of the flexible ring, and pulling it out carefully. Dispose after use.





ValveGate™



77-3620



77-3620

ValveGate™ Containers and Trays



77-3620 ValveGate™ PRO Special Tray with integrated flushports, 2x6 instruments

77-3630 ValveGate™ PRO Cleaning Bridge for 6 instruments

77-3600 Convertible ValveGate™ Plastic Container System 464x190x70mm with mat in base and upper insert with tri-level silicone strips for up to 12 instruments

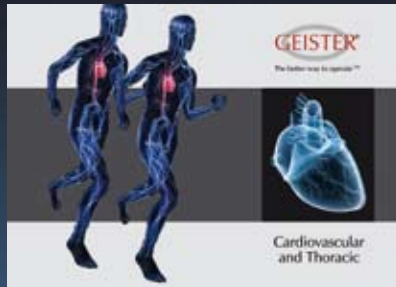
77-3605 Modular ValveGate™ Plastic Container System 4", 502 x 239 x 102 mm double level assembly with mat in base and upper insert with silicone strips for up to 10 instruments

77-1119 Endoscope Wire-mesh tray 468 mm

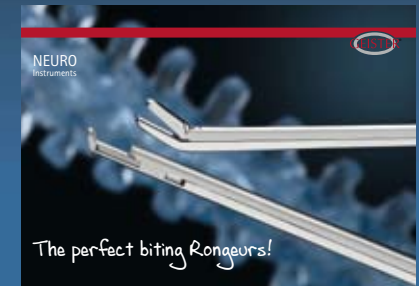
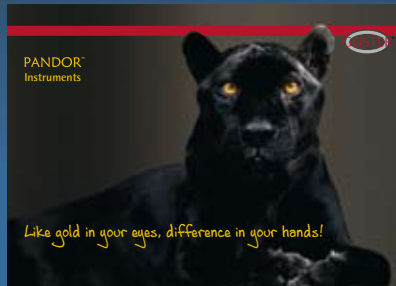
77-1100 Wire-mesh trays with handles 480 x 258 x 50 mm, shown with 77-3605.IN

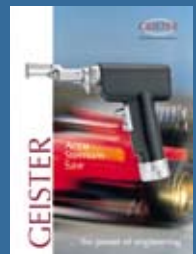
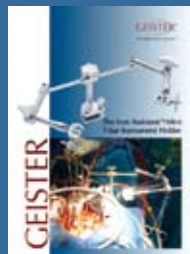
77-3605.IN ValveGate™ Instrument holders only, pair





We are working in the three business fields „Cardio“, „Neuro“ and „Powered“. In all these fields we want to offer our valued clients a complete range of products and services. Our products are clearly described and illustrated in well-structured sales documents. A small selection of various catalogs we show you below.







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