

Aesculap[®] ELAN 4

Surgeon's Darlings for Precision, Performance and Pleasure.



DESIGN
AWARD
2016

The Winner of the
iF DESIGN AWARD 2016
Category Medicine / Healthcare

B | BRAUN
SHARING EXPERTISE

Aesculap® ELAN 4

Surgeon's Darlings for Precision and Performance – Engineered in Germany.

As a surgeon, I need to do the best job possible in order to maintain my patients' health and quality of life and to save lives.

We surgeons are perfectionists and we are under constant pressure. That's why precision is extremely important to us.

Both in my private life and at work, I attach great value to high-performance, high-precision, reliable products that meet these requirements and help me to achieve my goals.

Why should I accept compromises in the operating theatre?



AT WORK



PRECISION



PERFORMANCE



PLEASURE

Aesculap® ELAN 4

Surgeon's Darlings for Precision.

The watch I wear is a masterpiece of precision and each cog is a remarkable work of art. I wear it on my wrist all day long and it has almost become a part of me. I can hardly feel it but I know it's there and is working perfectly.

That's just how I feel about the ELAN 4. It sits perfectly in my hand and is so well balanced that it has become like an extended arm, a natural part of my hand. The ELAN 4 is precise, comfortable to hold and it runs smoothly and quietly.

How did they achieve that?



ERGONOMICS



INNOVATIVE GERMAN ENGINEERING:

- › New positioning of the motor before the angle, meaning there is no need for an angle gear or a motor coupling.

RESULT:

- › no couplings needed
- › handpieces become shorter and lighter
- › the angle does not get hot
- › sits comfortably in the hand
- › can be held more reliably and comfortably

BENEFITS:

*high-precision,
convenient and safe grip*

Aesculap® ELAN 4

Surgeon's Darlings for **Performance.**

My car has to be reliable and have enough horsepower – for me, that goes without saying. As well as accelerating quickly when required, it needs to cruise smoothly on long journeys and take me to my destination quickly and safely. I expect exactly the same from my motor system.

ELAN 4 sets new standards in terms of overall performance. Never before have I laid hand on a system that operates so quietly yet is so powerful.

How was this made possible?



HIGH-SPEED



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INNOVATIVE GERMAN ENGINEERING:

- › integrated motors
- › on/off function integrated into the cable or hose to the motor coupling

RESULT:

The rotation speed is directly transferred, resulting in

- › very smooth running
- › no loss of power
- › high reliability
- › compact construction – no extra switch

BENEFITS:

quick, powerful and reliable work

Aesculap® ELAN 4

Surgeon's Darlings for **Pleasure.**

In our high-tech world, simplicity is now a luxury – things need to be simple to use. It's more fun when things just work intuitively, without the need for head-scratching or guesswork. Just like my smart phone. It is intuitive to use and all of my important apps are clearly arranged on the home screen.

The same is true of the ELAN 4. I can select the motor drive type that I am used to. The systems are straightforward and operation is self-explanatory.

The couplings work according to the plug and play principle and the burrs fit every length of hand-piece. This is what stress-free work looks like.

This brings a smile to my face – and I bet I'm not the only one!



TWO SYSTEMS



INNOVATIVE GERMAN ENGINEERING:

- all couplings are plug and play compatible
- standardised burr lengths and clear coding of burrs
- all operating elements are marked gold

RESULT:

- extremely easy to use
- streamlined surgical set with fewer components
- handpiece will always contain the correct motor
- self-explanatory
- all types and sizes of burrs are available for all handpiece lengths

BENEFITS:

The system is a joy to work with because it is set up clearly and simply. Fewer components and a universal burr length offer savings potentials.

Aesculap® ELAN 4

Surgeon's Darlings for Precision and Performance –
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ELAN 4 electro



> GA822

ELAN 4 electro perforator driver with Hudson coupling



> GA849

ELAN 4 electro craniotome and multifunction handpiece (2-ring)



> GA861

ELAN 4 electro handpiece standard (1-ring) L4



> GA862

ELAN 4 electro handpiece standard (1-ring) L7



> GA863

ELAN 4 electro handpiece standard (1-ring) L10



> GA864

ELAN 4 electro handpiece standard (1-ring) L13



The performance of the ELAN 4 is impressive, particularly the way the ELAN 4 operates quietly and with precision while its excellent ergonomic design means it sits comfortably in your hand. It is simply a pleasure to work with the ELAN 4.



1/2

> GA836

ELAN 4 electro micro sagittal saw



1/2

> GA837

ELAN 4 electro micro reciprocating saw



1/2

> GA824

ELAN 4 electro low speed motor with Intra coupling



> GA800

ELAN 4 electro control unit



> GA808

ELAN 4 electro foot control



> GA806

ELAN 4 electro motor cable

Aesculap® ELAN 4

Surgeon's Darlings for Precision and Performance –
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ELAN 4 air



➤ GA722

ELAN 4 air perforator driver with Hudson coupling



➤ GA749

ELAN 4 air craniotome and multifunction handpiece (2-ring)



➤ GA761

ELAN 4 air handpiece standard (1-ring) L4



➤ GA762

ELAN 4 air handpiece standard (1-ring) L7



➤ GA763

ELAN 4 air handpiece standard (1-ring) L10



➤ GA764

ELAN 4 air handpiece standard (1-ring) L13



The clear and simple system set-up is a joy to work with. Every handpiece always contains the correct motor, reducing the risk of errors.



1/2

> GA736

ELAN 4 air micro sagittal saw



1/2

> GA737

ELAN 4 air micro reciprocating saw



1/2

> GA724

ELAN 4 air low speed motor with Intra coupling



> GA708

ELAN 4 air foot control



- > GA702R** 3 m
- > GA703R** 5 m

ELAN 4 air wall hose



> GA705R

ELAN 4 air motor hose 3 m

Aesculap® ELAN 4

Surgeon's Darlings for Precision and Performance –
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ACCESSORIES



> GB941R

ELAN 4 electro/air
fixed duraguard,
pediatric



> GB942R

ELAN 4 electro/air
fixed duraguard,
standard



> GB943R

ELAN 4 electro/air
fixed duraguard,
long



> GB945R

ELAN 4 electro/air
holding sleeve for
craniotome and
multifunction
handpiece



> GB947R

ELAN 4 electro/air
turnable duraguard,
standard



The streamlined surgical set and the universal burr length reduce the inventory and mean there is the welcome potential for savings.



> GA395SU  

ELAN 4 electro
disposable tube set
for irrigation pump



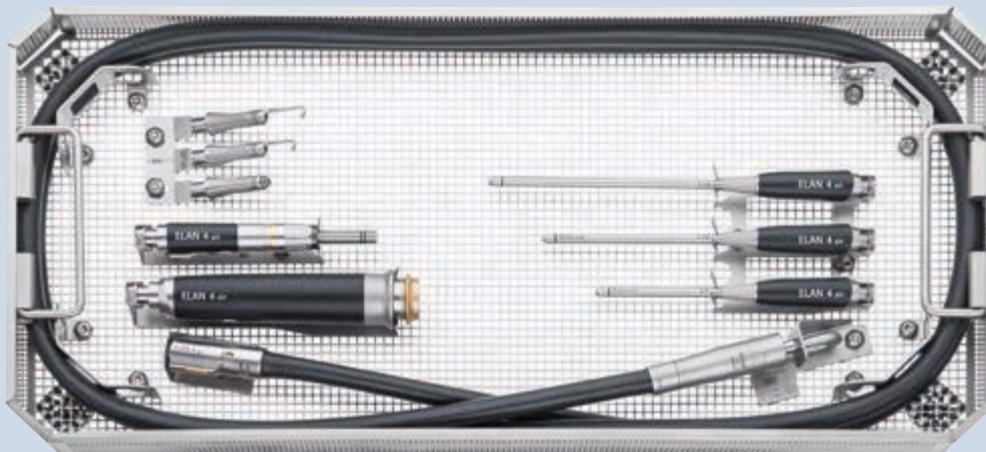
> Disposable spray nozzles for ELAN 4 electro/air 

- GA258SU Disposable spray nozzle for saws
- GA259SU Disposable spray nozzle for cranitome attachments
- GA261SU Disposable spray nozzle for 1-ring handpiece L4
- GA262SU Disposable spray nozzle for 1-ring handpiece L7
- GA263SU Disposable spray nozzle for 1-ring handpiece L10
- GA264SU Disposable spray nozzle for 1-ring handpiece L13

Aesculap® ELAN 4

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REPROCESSING



Configuration example ELAN 4 air

› ELAN 4 electro ECCOS® holder

- GB076R ECCOS® holder for perforator driver GA822
- GB077R ECCOS® holder for low speed motor Intra GA824
- GB082R ECCOS® holder for 1 handpiece
- GB083R ECCOS® holder for 3 handpieces
- GB085R ECCOS® holder for craniotome GA849
- GB086R ECCOS® holder for micro sagittal saw GA836
- GB087R ECCOS® holder for reciprocating saws GA832 and GA837
- GB073R ECCOS® holder for motor cable
- GB718R ECCOS® holder for 12 burrs
- GB719R ECCOS® holder for 3 craniotome attachments
- GB720R ECCOS® universal holder for saw blades
- GB072R ECCOS® cable/hose positioning guide

› ELAN 4 air ECCOS® holder

- GB053R ECCOS® holder for motor hose
- GB056R ECCOS® holder for perforator driver GA722
- GB057R ECCOS® holder for low speed motor Intra GA724
- GB062R ECCOS® holder for 1 handpiece
- GB063R ECCOS® holder for 3 handpieces
- GB065R ECCOS® holder for craniotome GA749
- GB066R ECCOS® holder for micro sagittal saw GA736
- GB067R ECCOS® holder for micro reciprocating saws GA732 and GA737
- GB718R ECCOS® holder for 12 burrs
- GB719R ECCOS® holder for 3 craniotome attachments
- GB720R ECCOS® universal holder for saw blades
- GB072R ECCOS® cable/hose positioning guide

Here in the certified central sterile supply department, we welcome Aesculap's sterilisation process and specialised knowledge in the area of sterile processing. The ELAN 4 meets the increasingly strict requirements and sets new standards for the sterile processing of motor systems.



The cleaning device allows reliable inner cleaning of the applied part.



› ELAN 4 electro rinsing device + accessories

- GB692R ELAN 4 electro rinsing device
- GB698R ELAN 4 electro rinsing adaptor
- GB600860 ELAN 4 electro oil spray adaptor
- GB600 STERILIT® Power Systems oil spray

› ELAN 4 air rinsing device + accessories

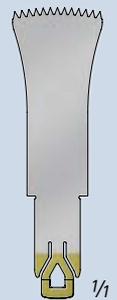
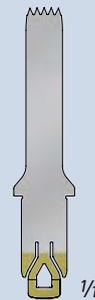
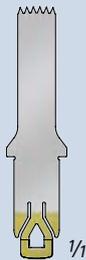
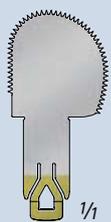
- GB691R ELAN 4 air rinsing device
- GB697R ELAN 4 air rinsing adaptor
- GB600850 ELAN 4 air oil spray adaptor
- GB600 STERILIT® Power Systems oil spray

Aesculap® ELAN 4

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BLADES

Saw blades – Sagittal saw
for GA736 and GA836



> GP491R

Saw blade
S sagittal
10/13/0.3 mm

> GP492R

Saw blade
S sagittal
15/5/0.3 mm

> GP493R

Saw blade
S sagittal
20/5/0.3 mm

> GP494R

Saw blade
S sagittal
20/10/0.3 mm

> GP495R

Saw blade
S sagittal
20/15/0.3 mm

> GP496R

Saw blade
S sagittal
25/5/0.3 mm

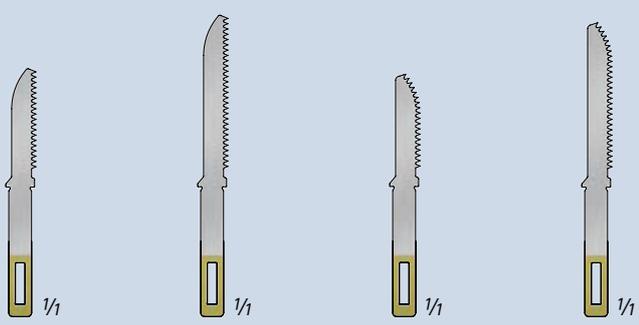
> GP497R

Saw blade
S sagittal
25/12/0.3 mm



The ELAN 4 is produced using state-of-the-art manufacturing technology in Tuttlingen, Germany, at the Aesculap AG Innovation Factory, which was specifically built to produce motor and sterile container systems.

Saw blades – Reciprocating saw
for GA737 and GA837



- > GP542R**

Reciprocating saw blade micro
13/0.3 mm
- > GP543R**

Reciprocating saw blade micro
20/0.3 mm
- > GP544R**

Reciprocating saw blade micro
13/0.3 mm
- > GP545R**

Reciprocating saw blade micro
20/0.3 mm

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BURRS



Burrs for 1-ring handpieces

> Rosen burrs

	0.6 mm	0.8 mm	1.0 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm	1.8 mm	2.3 mm	2.3 mm
Art No.	GP111R*	GP112R*	GP113R	GP114R*	GP115R	GP116R*	GP117R	GP118R*	GP120R	GP121R*
	2.7 mm	2.7 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm	6.0 mm		
Art No.	GP122R	GP123R*	GP124R	GP125R	GP126R	GP127R	GP128R	GP129R		

> Rosen burrs, soft cut

	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Art No.	GP133R	GP134R	GP135R	GP136R

> Twin-Cut burrs

	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Art No.	GP184R	GP185R	GP186R	GP187R

* Burrs with longer overhang



Burs for 1-ring handpieces

> Diamond burs

	0.6 mm	0.8 mm	1.0 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm	1.8 mm	2.3 mm	2.3 mm
Art No.	GP141R*	GP142R*	GP143R	GP144R*	GP145R	GP146R*	GP147R	GP148R*	GP149R	GP150R*
	2.7 mm	2.7 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm	6.0 mm		
Art No.	GP151R	GP152R*	GP153R	GP154R	GP155R	GP156R	GP157R	GP158R		

> Diamond burs, coarse

	2.0 mm	2.0 mm	2.3 mm	2.3 mm	3.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Art No.	GP161R	GP162R*	GP163R	GP164R*	GP165R	GP166R*	GP168R	GP169R	GP170R

> Diamond burs, extra coarse

	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Art No.	GP173R	GP174R	GP175R	GP176R	GP177R

* Burs with longer overhang

Aesculap® ELAN 4

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BURRS



Burrs for 1-ring handpieces

> Neuro cutter, US-Type

	1.5 mm	2.0 mm	2.5 mm	3.0 mm	3.0 mm
Art No.	GP201R*	GP202R*	GP203R*	GP204R	GP205R*

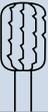
> Neuro cutter, Aesculap-Type

	2.0 mm	2.5 mm	3.0 mm
Art No.	GP208R	GP209R	GP210R

> Neuro cutter, diamond coarse

	1.5 mm	1.5 mm	2.0 mm	2.0 mm	2.5 mm	2.5 mm	3.0 mm	3.0 mm	4.0 mm	4.0 mm
Art No.	GP211R	GP212R*	GP213R	GP214R*	GP215R	GP216R*	GP217R	GP218R*	GP219R	GP220R*

> Barrel burrs, standard

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP224R	GP225R	GP226R

> Barrel burrs, soft cut

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP228R	GP229R	GP230R

> Cone burrs

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP234R	GP235R	GP236R

> Reverse Taper burr, diamond coarse

	4.0 mm
Art No.	GP238R

Burrs for 1-ring handpieces

> Acorn burrs

	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Art No.	GP193R	GP194R	GP195R	GP196R

> Oval burrs

	4.0 mm	5.5 mm
Art No.	GP232R	GP233R

> Lindemann

	1.8 mm	2.1 mm	2.3 mm	2.3 mm
Length	7 mm	10 mm	10 mm	22 mm
Art No.	GP241R	GP242R	GP243R	GP240R

> Twist drills

	1.5 mm	2.0 mm
Art No.	GP188R	GP189R

> Pin cutter

	1.0 mm
Art No.	GP190R

> Tungsten carbide-Rosen burrs

	1.0 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Art No.	GP113TC	GP119TC	GP124TC	GP126TC	GP128TC	GP129TC

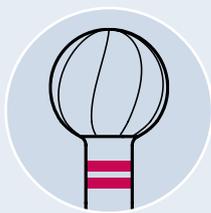
> Tungsten carbide-Neuro cutter

	3.0 mm
Art No.	GP210TC

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BURRS



Burrs for 2-ring handpieces

> Rosen burrs

	2.3 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm	6.0 mm	7.0 mm	8.0 mm
Art No.	GP301R	GP302R	GP303R	GP304R	GP305R	GP306R	GP307R	GP308R	GP309R

> Diamond burrs

	2.3 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm	6.0 mm
Art No.	GP311R	GP312R	GP313R	GP314R	GP315R	GP316R	GP317R

> Diamond burrs, coarse

	2.3 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Art No.	GP321R	GP322R	GP323R	GP324R	GP325R

> Diamond burrs, extra coarse

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP328R	GP329R	GP330R



Burs for 2-ring handpieces

> Neuro cutter, US-type

	2.0 mm	2.5 mm	3.0 mm	3.0 mm
Art No.	GP361R	GP362R	GP363R	GP364R*

> Neuro cutter, Aesculap-type

	3.0 mm
Art No.	GP367R

> Neuro cutter, diamond coarse

	3.0 mm	3.0 mm
Art No.	GP370R	GP371R*

> Barrel burrs, standard

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP374R	GP375R	GP376R

> Barrel burrs, soft cut

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP378R	GP379R	GP380R

> Cone burrs

	4.0 mm	5.0 mm	6.0 mm
Art No.	GP384R	GP385R	GP386R

> Reverse Taper burrs, diamond coarse

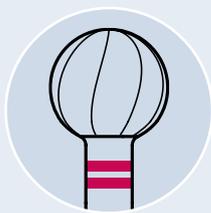
	4.0 mm	6.0 mm
Art No.	GP388R	GP389R

* Burrs with longer overhang

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BURRS



Burrs for 2-ring handpieces

> Acorn burrs

	5.0 mm	6.0 mm	7.5 mm	9.0 mm
Art No.	GP355R	GP356R	GP357R	GP358R

> Oval burr

	4.0 mm
Art No.	GP382R

> Lindemann

	1.8 mm	2.1 mm	2.3 mm	2.3 mm
Length	7 mm	10 mm	10 mm	22 mm
Art No.	GP391R	GP392R	GP393R	GP397R

> Pin cutter

	1.0 mm
Art No.	GP350R

> Craniotome cutter, spiral type

	Length	•	••	•••
Art No.	GP341R	GP342R	GP343R	

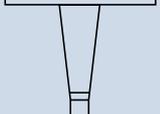
> Craniotome cutter, straight type

	Length	•	••	•••
Art No.	GP351R	GP352R	GP353R	

> Twin-Cut burrs

	5.0 mm	6.0 mm	7.0 mm	8.0 mm	9.0 mm
Art No.	GP335R	GP336R	GP337R	GP338R	GP339R

> Diamond disc ②

	25 mm
Art No.	GP398SU

Burrs for 2-ring handpieces

› Twist drills (cutting depth 4 mm - for pilot holes)

	1.0 mm	1.1 mm	1.2 mm	1.5 mm
Art No.	GP344R	GP345R	GP346R	GP347R

› Twist drills

	1.5 mm	2.0 mm
Art No.	GP348R	GP349R

› Tungsten carbide- Rosen burr

	2.3 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm	8.0 mm
Art No.	GP301TC	GP302TC	GP304TC	GP306TC	GP307TC	GP308TC	GP309TC

› Tungsten carbide- Neuro cutter

	3.0 mm
Art No.	GP367TC

› Tungsten carbide- Side cutter

	3.0 mm
Art No.	GP399TC-SU

› Tungsten carbide- Taper burr

	1.2 mm	1.6 mm
Art No.	GP395TC	GP396TC

Aesculap® ELAN 4

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Order information

> ELAN 4 electro

GA800	ELAN 4 electro control unit	GA713R	ELAN 4 air wall-adaptor DIN with diffusor
GA806	ELAN 4 electro motor cable	GA715R	ELAN 4 air wall-adaptor Synthes
GA808	ELAN 4 electro foot control	GA722	ELAN 4 air perforator driver with Hudson coupling
GA822	ELAN 4 electro perforator driver with Hudson coupling	GA749	ELAN 4 air craniotome and multifunction handpiece (2-ring)
GA849	ELAN 4 electro craniotome and multifunction handpiece (2-ring)	GA761	ELAN 4 air handpiece standard (1-ring) L4
GA861	ELAN 4 electro handpiece standard (1-ring) L4	GA762	ELAN 4 air handpiece standard (1-ring) L7
GA862	ELAN 4 electro handpiece standard (1-ring) L7	GA763	ELAN 4 air handpiece standard (1-ring) L10
GA863	ELAN 4 electro handpiece standard (1-ring) L10	GA764	ELAN 4 air handpiece standard (1-ring) L13
GA864	ELAN 4 electro handpiece standard (1-ring) L13	GA736	ELAN 4 air micro sagittal saw
GA836	ELAN 4 electro micro sagittal saw	GA737	ELAN 4 air micro reciprocating saw
GA837	ELAN 4 electro micro reciprocating saw	GA724	ELAN 4 air low speed motor with Intra coupling
GA824	ELAN 4 electro low speed motor with Intra coupling		

> ELAN 4 air

GA702R	ELAN 4 air wall hose 3 m	GB941R	ELAN 4 fixed duraguard, pediatric
GA703R	ELAN 4 air wall hose 5 m	GB942R	ELAN 4 fixed duraguard, standard
GA705R	ELAN 4 air motor hose 3 m	GB943R	ELAN 4 fixed duraguard, long
GA708	ELAN 4 air foot control	GB945R	ELAN 4 holding sleeve
GA710R	ELAN 4 air wall-adaptor Aesculap-Draeger	GB947R	ELAN 4 turnable duraguard, standard
GA712R	ELAN 4 air wall-adaptor Schrader with diffusor		

> Attachments for craniotome and multifunction handpiece

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Order information

> Accessories for automated irrigation

GA395SU	ELAN 4 electro disposable tube set for irrigation pump	GB082R	ELAN 4 electro ECCOS® holder for 1 handpiece
GA258SU	ELAN 4 disposable spray nozzle for saws	GB083R	ELAN 4 electro ECCOS® holder for 3 handpieces
GA259SU	ELAN 4 disposable spray nozzle for craniotome attachments	GB085R	ELAN 4 electro ECCOS® holder for craniotome GA849
GA261SU	ELAN 4 disposable spray nozzle for 1-ring handpiece L4	GB086R	ELAN 4 electro ECCOS® holder for micro sagittal saw GA836
GA262SU	ELAN 4 disposable spray nozzle for 1-ring handpiece L7	GB087R	ELAN 4 electro ECCOS® holder for reciprocating saws GA832 and GA837
GA263SU	ELAN 4 disposable spray nozzle for 1-ring handpiece L10	GB718R	ELAN 4 ECCOS® holder for 12 burs
GA264SU	ELAN 4 disposable spray nozzle for 1-ring handpiece L13	GB719R	ELAN 4 ECCOS® holder for 3 craniotome attachments

> Reprocessing

GB053R	ELAN 4 air ECCOS® holder for motor hose	GB691R	ELAN 4 air rinsing device
GB056R	ELAN 4 air ECCOS® holder for perforator driver GA722	GB692R	ELAN 4 electro rinsing device
GB057R	ELAN 4 air ECCOS® holder for low speed motor Intra GA724	GB697R	ELAN 4 air rinsing adaptor
GB062R	ELAN 4 air ECCOS® holder for 1 handpiece	GB698R	ELAN 4 electro rinsing adaptor
GB063R	ELAN 4 air ECCOS® holder for 3 handpieces	GB600	STERILIT® Power Systems oil spray
GB065R	ELAN 4 air ECCOS® holder for craniotome GA749	GB600850	ELAN 4 air oil spray adaptor
GB066R	ELAN 4 air ECCOS® holder for micro sagittal saw GA736	GB600860	ELAN 4 electro oil spray adaptor
GB067R	ELAN 4 air ECCOS® holder for reciprocating saws GA732 and GA737		
GB073R	ELAN 4 electro ECCOS® holder for motor cable		
GB076R	ELAN 4 electro ECCOS® holder for perforator driver GA822		
GB077R	ELAN 4 electro ECCOS® holder for low speed motor Intra GA824		

