



Power where it's needed

AESCULAP® Power Systems
Acculan 4, TPLO saw and ELAN 4



**Information:**

The catalog only shows an excerpt from our full power tool portfolio. If you are interested in other products, please contact us.
eMail: info@bbraun-vetcare.de



The "Power Systems" brochure is an excerpt from our full catalog.

**Order complete catalog – Vet Care**

www.bbraun-vetcare.com/ordercompletecatalog

**Website:**

www.bbraun-vetcare.com/opensurgery

AESCULAP® Power Systems

ELAN 4	Page 4
Acculan 4	Page 16
TPLO saw	Page 22
Charger	Page 26
Tools	Page 28
Processing	Page 40

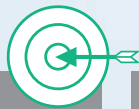
All measurements and technical data in this catalogue are nominal values subject to accepted manufacturing-related tolerances; we reserve the right to make technical changes.

AESCLAP® ELAN 4 electro

Precise, powerful, intuitive.



ELAN 4



Precise

Low-fatigue, high-precision work.

- Handpieces are shorter and lighter
- Runs smoothly
- Fits comfortably in the hand
- More secure, more comfortable hold



Powerful

Work quickly, powerfully, and reliably.

- No loss of performance
- Rotational speed transferred directly, preventing angle from heating up
- Small design with no extra switches



Intuitive

Plug-and-play couplings

This simple, clearly structured system makes working with the system a joy. The slimmed-down surgical set and the uniform reamer length provide gratifying savings potential.

- Simple handling
- Uniform reamer length and clear reamer coding
- Always the right motor in the handpiece
- All reamer types/lengths available for all handpiece lengths

Basic components

Control unit

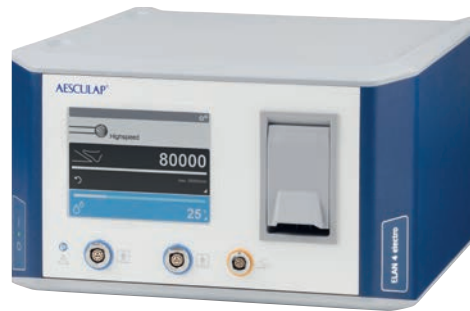
GA800

ELAN 4 electro control unit

with rinsing pump; touchscreen;
without power cable
capacity 0 - 65 ml/min

100 - 240 V AC; 50 / 60 Hz;
330 x 330 x 200 mm; 9,500 g

included accessories:
GD412804 bottle holder



Foot control

GA808

ELAN 4 electro foot control

Protection class IPx8, Class AP
anesthesia test

5.0 m;
245 x 144 x 76 mm; 2,240 g



GA806

GB073R

ELAN 4 electro motor cable

for use with ELAN 4 electro
applied parts

4.0 m; 270 g

included accessories:
GB600860 Sterilit® spray adapter



Important

GB073R

All articles with a gray background
are associated ECCOS® elements for
processing.

Foot control



Possible with a combination of the
foot pedal (GA808) and the motor
cable (GA806).

Manual control

GA805

GB073R

ELAN 4 electro motor cable with manual control

for use with ELAN 4 electro applied
parts

4.0 m; 370 g

included accessories:
GB600860 Sterilit® spray adapter



Manual control

Operation without foot pedal
possible. Connects directly to the
control unit.

AESCULAP® ELAN 4 electro

Highspeed 1-RING and lowspeed motor handpieces
Craniotomy & multifunctional handpiece





Handpieces

GA861

GB083R

ELAN 4 electro 1-ring handpiece L4

1-Ring marking; GA261SU spray nozzle (ordered separately)

140 W;  ; 0–80,000 1/min;
2.2 Ncm; 152 x 16 mm;  80 g






GA862

GB083R

ELAN 4 electro 1-ring handpiece L7

1-Ring handpiece; GA262SU spray nozzle (ordered separately)

140 W;  ; 0–80,000 1/min;
2.2 Ncm; 177 x 16 mm;  83 g



GB861P

GB727R

ELAN 4 shortening sleeve

for shortening 1-ring handpieces






Lowspeed motor

GA824

GB077R

ELAN 4 electro lowspeed motor
with Intra coupling

180 W;  ; 0–40,000* 1/min;
10 Ncm; 123 x 23 mm;  150 g



We recommend:

Can be used with existing handpieces
of the ELAN EC/Vetline series


Craniotomy

GA849

GB085R

ELAN 4 electro craniotomy and
multi-functional handpiece

2-Ring marking; for use with
Duraguard and GB941R holding sleeve;
GA259SU spray nozzle
(ordered separately)

140 W;  ; 0–80,000 1/min;
2.2 Ncm; 156 x 17 mm;  121 g



GB941R

GB719R

ELAN 4 Duraguard pediatric

fixed; 1 point marking



AESCULAP® ELAN 4 electro

Saws



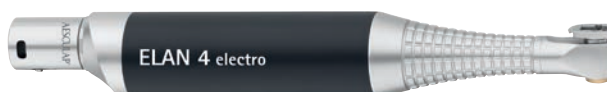
GA836

GB086R

ELAN 4 electro micro sagittal saw

GA258SU spray nozzle
(ordered separately)

180 W; 0–20,000 1/min; 161 x 23 mm;
∠ 7°; 190 g



GA831

GB088R

ELAN 4 electro sagittal saw

GA258SU spray nozzle
(ordered separately)

180 W; 0–20,000 1/min; 129 x 23 mm;
∠ 4.5°; 220 g



GA837

GB087R

ELAN 4 electro micro-reciprocating saw

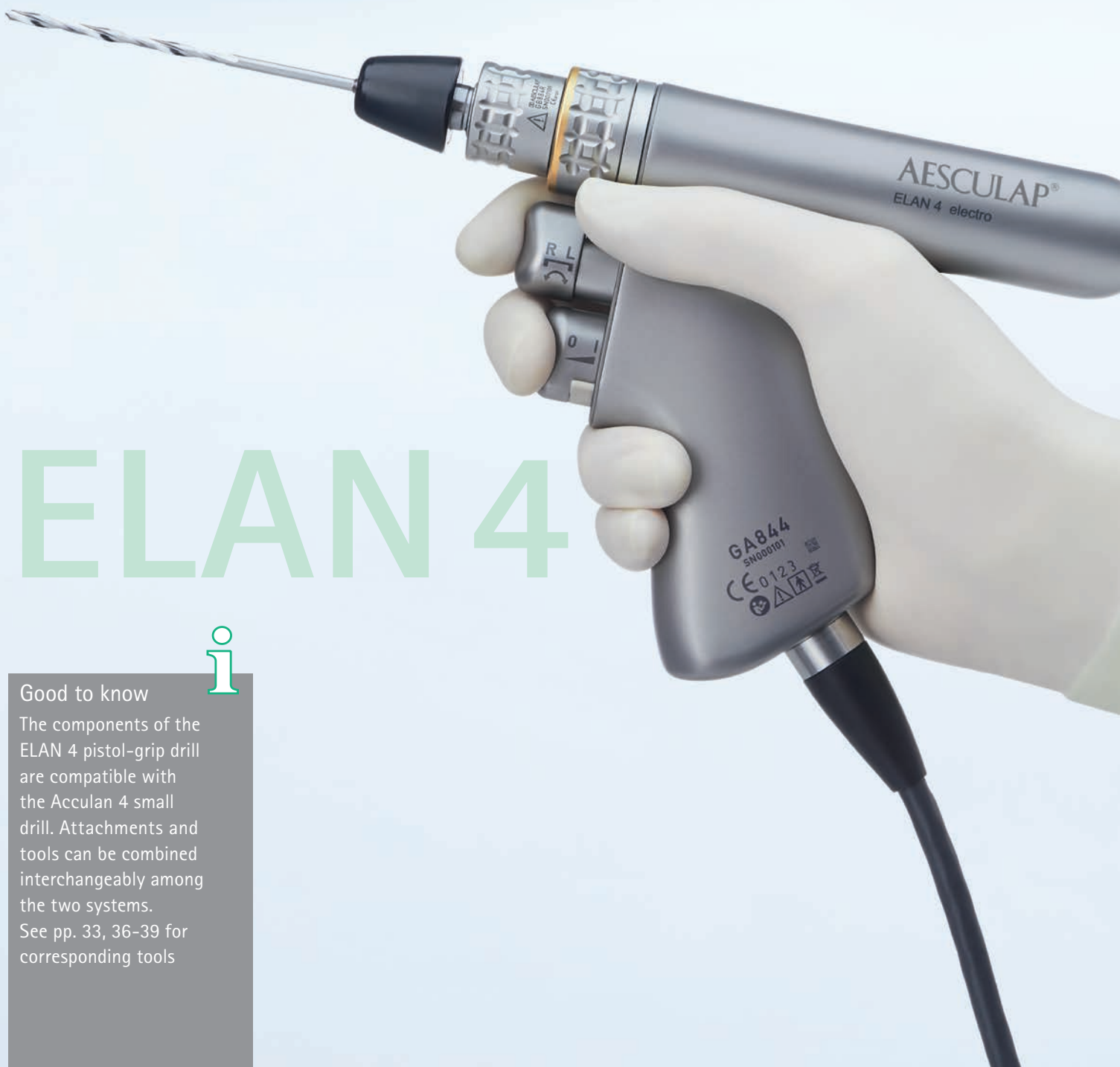
GA258SU spray nozzle
(ordered separately)

180 W; 0–20,000 1/min; 184 x 23 mm;
1.8 mm; 198 g



AESCULAP® ELAN 4 electro

Drill & attachments



Good to know

The components of the ELAN 4 pistol-grip drill are compatible with the Acculan 4 small drill. Attachments and tools can be combined interchangeably among the two systems. See pp. 33, 36-39 for corresponding tools



GA844

ELAN 4 electro drill

with oscillating and thread-cutting modes

200 W;   3.3 mm;
130 x 27 x 122 mm;  800 g

included accessories:

GA344244 Kirschner wire protective sleeve

GA344211 Rinse adapter

GB600880 Spray adapter

Requires control unit software V3.00.





GB881R

GB716R

Drill attachment

Three-jaw chuck 0.5 – 7.4 mm

1,250 1/min; 2 Nm;  3.2 mm;
89 x 29 mm;  163 g

included accessories:

GA031R key



GB882R

GB716R

Drill attachment

Three-jaw chuck 0.5 – 4 mm

1,250 1/min; 2 Nm;  3.2 mm;
76 x 22 mm;  100 g

included accessories:

GA062R key



We recommend:



Especially suited to small animals
and toy breeds

GB884R

GB716R

Drill attachment

AO small

1,250 1/min; 2 Nm;  2.8 mm;
60 x 22 mm;  66 g



AESCULAP® ELAN 4 electro


Drill & attachments

GB887R

GB716R

Drill attachment

Dental shaft

1,250 1/min; 2 Nm;  1.8 mm;
56 x 22 mm;  50 g



We recommend:



Especially suited to small animals
and toy breeds

GB894R

GB716R

Kirschner wire attachment

For 0.6 - 3.2 mm Kirschner wire

1,250 1/min;  3.2 mm;
92 x 27 x 124 mm;  179 g



GB891R

GB716R

Sagittal saw attachment

For "L-sagittal" saw blades with a maximum usable length of 50 mm

0 - 15,750 1/min; 74 x 33.5 mm;

∠ 4.5°; 179 g



GB870R

GB716R

Medullary canal drill attachment

Three-jaw chuck 0.5 - 7.4 mm, not suitable for use with acetabular reamers

0 - 320 1/min; 6.5 Nm; 3.2 mm;

105 x 29 mm; 230 g

included accessories:

GA031R key



We recommend:

For special orthopedic indications

AESCULAP® ELAN 4 electro

Storage

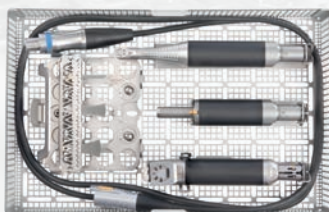


Storage

- The perfect solution for storage and machine processing of your AESCULAP® motor systems
- For detailed information, consult the corresponding instructions for use

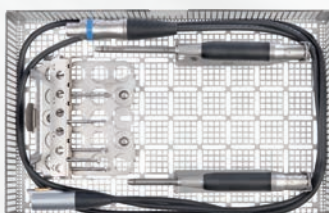
ELAN 4 electro ECCOS® set

1.



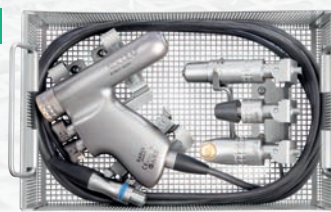
ELAN 4 electro ECCOS® set for GA844

2.



ELAN 4 electro ECCOS® set

3.



Info:

The storage solutions for the Acculan 4 small drill fit here – see pp. 20-21

Storage example:

1. JG285R, GB720R, GB077R, GB088R, GB086R
2. JG285R, GB718R, GB082R
3. JF282R, GB482R, GB716R

Storage for large autoclaves on request

Elan 4 electro Eccos® sets

GB073R

ECCOS® mount

Set consisting of 2 units for motor cables GA804, GA805, GA806

 56 mm



GB077R

ECCOS® mount

for Intra motor GA824

 56 mm



GB082R

ECCOS® mount

for 1 handpiece

 56 mm



GB083R

ECCOS® mount

for 3 handpieces

 56 mm



GB086R

ECCOS® mount

for micro-sagittal saw GA836

 56 mm



GB087R

ECCOS® mount

for reciprocating saws GA832, GA837

 56 mm



GB088R

ECCOS® mount

for saws GA831, GA833

 56 mm



JF282R

Basket

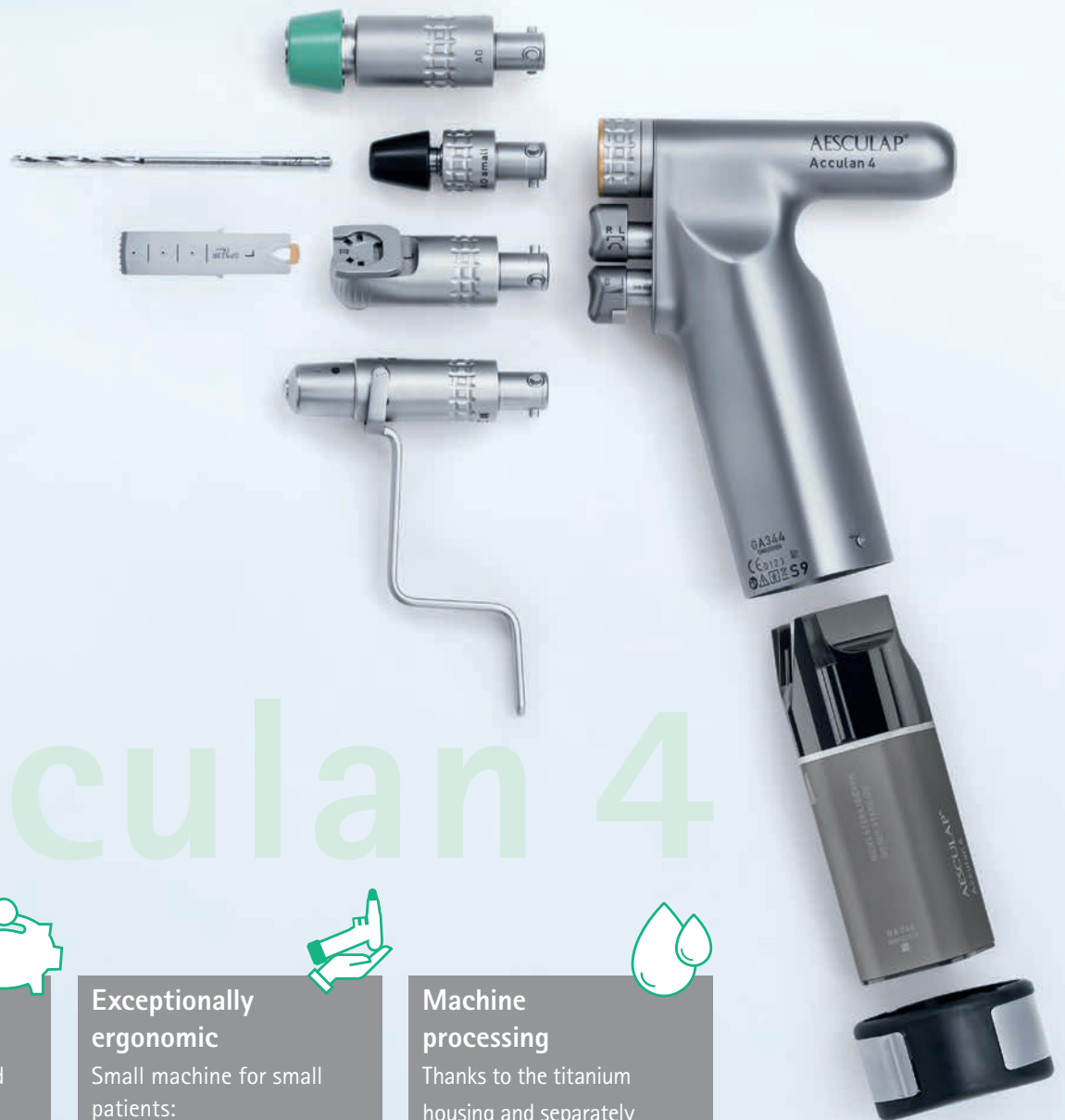
 269 x 171 x 93 mm

without lid



AESCULAP® Acculan 4 | small drill

Small, light, tenacious.



Acculan 4



Low running costs

thanks to top quality and service:

- Long life and low running costs thanks to non-sterile batteries
- Fixed price to replace batteries
- High-quality materials for high standards: titanium, stainless steel, PEEK



Exceptionally ergonomic

Small machine for small patients:

- The machine's round, ergonomic shape allows exceptional guidance
- Battery integrated into the handle, making the machine very comfortable to use
- Small and light, good visibility of operating area



Machine processing

Thanks to the titanium housing and separately available ECCOS® storage equipment, Acculan machines can be processed manually or mechanically using alkaline cleaning media. Our rinsing adapter gives you an easy way to clean inside lumens mechanically.

Drill & attachments

GA344

GB482R

Acculan 4 small drill

with oscillating and thread-cutting modes

85 W; 3.2 mm;
177 x 124 x 55 mm; 840 g

included accessories:

GA678 Sterile funnel

GA344244 Kirschner wire protective sleeve

GA344211 Rinse adapter

GB600880 Sterilit® spray adapter

Sealing cap GA675 and small lithium ion battery GA346 must be ordered separately.

Specified weights and dimensions include battery and sealing cap.



We recommend:

Fitting tools such as saw blades and drills are listed on pp. 36-39

GA675

GB716R

Acculan sealing cap

90 g



AESCULAP® Acculan 4 | small drill



Drill & attachments

GB881R

GB716R

Drill attachment

Jacobs chuck 0.5 – 7.4 mm

1,250 1/min; 1.5 Nm;  3.2 mm;
89 x 29 mm;  163 g

included accessories:
GA031R key





GB882R

GB716R

Drill attachment

Jacobs chuck 0.5 – 4 mm

1,250 1/min; 1.5 Nm;  3.2 mm;
76 x 22 mm;  100 g

included accessories:
GA062R key



We recommend:



Especially suited to small animals and toy breeds

GB884R

GB716R

Drill attachment

AO small

1,250 1/min; 1.5 Nm;  2.8 mm;
60 x 22 mm;  66 g





GB887R

GB716R

Drill attachment

Dental shaft

1,250 1/min; 1.5 Nm;  1.8 mm;
56 x 22 mm;  50 g



We recommend:

Especially suited to small animals and toy breeds

GB894R

GB716R

Kirschner wire attachment

For 0.6 – 3.2 mm Kirschner wire

1,250 1/min; 3.2 mm;

92 x 27 x 124 mm; 179 g



GB891R

GB716R

Sagittal saw attachment

For "L-sagittal" saw blades with a maximum usable length of 50 mm

0 – 15,750 1/min; 74 x 33.5 mm;

4.5°; 179 g



GB870R

GB716R

Intramedullary reamer attachment

Jacobs chuck 0.5 – 7.4 mm, not suitable for use with acetabular reamers

0 – 320 1/min; 6.5 Nm; 3.2 mm;

105 x 29 mm; 230 g

included accessories:

GA031R key



We recommend:

For special orthopedic indications

AESCULAP® Acculan 4 | small drill

Storage



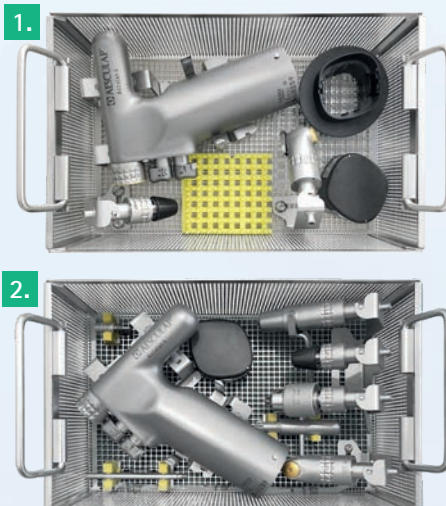
Acculan 4



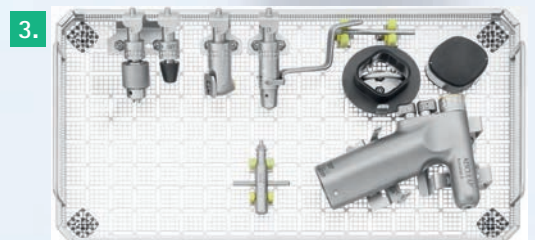
Simple, secure storage

Storage options for your new Acculan 4 small drill

Storage for small basket









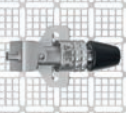








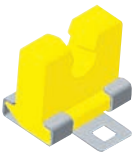
Storage for large container



Storage example:

1. JF282R, GB482R, GB715R, JF945
2. JF282R, GB482R, GB716R, GB715R, JG340
3. GB482R, GB487R, GB488R, GB715R, GB716R, JG340, JG342, JG344, GB257R

Storage for large autoclaves on request

GB482R ECCOS® holder for ELAN 4 electro drill GA844  106 mm	GB715R ECCOS® holder for 1 attachment GB870R, GB871R, GB872R, GB878R, GB881R, GB884R, GB892R, GB896R, GB897R  106 mm	GB716R ECCOS® holder for 3 attachments GB870R, GB871R, GB872R, GB878R, GB881R, GB884R, GB892R, GB896R, GB897R  106 mm
 	 	 
JF282R Basket  269 x 171 x 93 mm without lid	JN096 Container  312 x 190 x 130 mm	JK091 Sterile filter
		
JF945 Silicone mat with perforation (nubs) fits in 1/2 basket  248 x 237 mm	JG340 Silicone mount 5 mm	
		

AESCULAP® Acculan 4 | TPLO saw

For precise cuts



TPLO saw

Properties

- Max. Power
250 W
- Speed
0–approx. 15,000 1/min
- Oscillation angle
approx. 6.5 °
- Weight (with battery)
approx. 1.48 kg
- Size
approx. 280 x 54 x 74 mm



Especially for the TPLO

Designed for perfect incisions

- Powerful – little vibration
- Ergonomic design makes handling easy and ensures precise incisions
- Titanium housing
- Variable speed



System

- Battery and charger are the same as for the Acculan 4 small drill
- Durable saw blades



TPLO saw & Acculan lid

GT666

GB487R

Acculan 4 TPLO saw



GA675

GB487R

Acculan lid

90 g



GB020R

Replacement key

(Included with purchase of the Acculan 4 TPLO saw GT666)



AESCULAP® Acculan 4 | TPLO saw

Storage



TPLO saw



Simple, secure storage

Storage options for your
new Acculan 4 TPLO saw

1.



Storage example:

1. GB498R, JG383R, JF945

GB498R

ECCOS® mount

for GA336, GA337, GA340, GA341

 106 mm



JG383R


Dental basket Type 3

 273 x 176 x 30 mm



JN096

Dental container

 312 x 190 x 130 mm



JK091

Continuous filter

for mini container



JF945

Silicone mat with perforation
(nubs)

fits in 1/2 basket

 248 x 237 mm



AESCULAP® Acculan 4 | battery and charger

One battery for two systems



Acculan 4



Lithium-ion technology

- More power than previous NiMH batteries*
- Long-lasting
- No memory effect
- Reliable
- Usable with
 - Acculan 4 small drill
 - Acculan 4 TPLO saw
 - Acculan 3Ti small drill
 - Acculan 3Ti TPLO saw

Battery system for Acculan 4 small drill and TPLO saw

GA320

Acculan 4 charger

for Acculan lithium-ion and NiMH batteries GA346, GA676;
4 charging slots;
automatic battery diagnostic function;
without power cable

100 – 240 V AC; 50/60 Hz;
410 x 120 x 160 mm; 2,300 g



GA346

Acculan 4 lithium-ion battery, short

only for GA340, GA341 and GA344
with integrated control electronics
9.9 V; 10.89 Wh

120 x 43 x 50 mm; 265 g



TE730

Power cable

Europe, 5.0 m



We recommend:

For one drill/saw: 2 batteries

For two drills/saws: 3 batteries

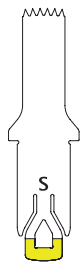
AESCULAP® ELAN 4

Tools | saw blades, drills & burrs





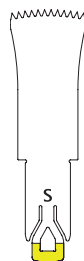
For micro-sagittal saw GA836R



GP492R



GP493R



GP494R

For micro-reciprocating saw GA837R



GP545R

For handpiece GA861 & GA862



GP117R



GP120R



GP122R



GP124R



GP125R

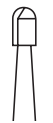


GP128R

For handpiece GA861 & GA862








GP149R







GP209R

Saw blades

 sterile				
GP492R	15 mm	5 mm	0.3 mm	0.3 mm
GP493R	20 mm	5 mm	0.3 mm	0.3 mm
GP494R	20 mm	10 mm	0.3 mm	0.3 mm
GP545R	20 mm		0.3 mm	

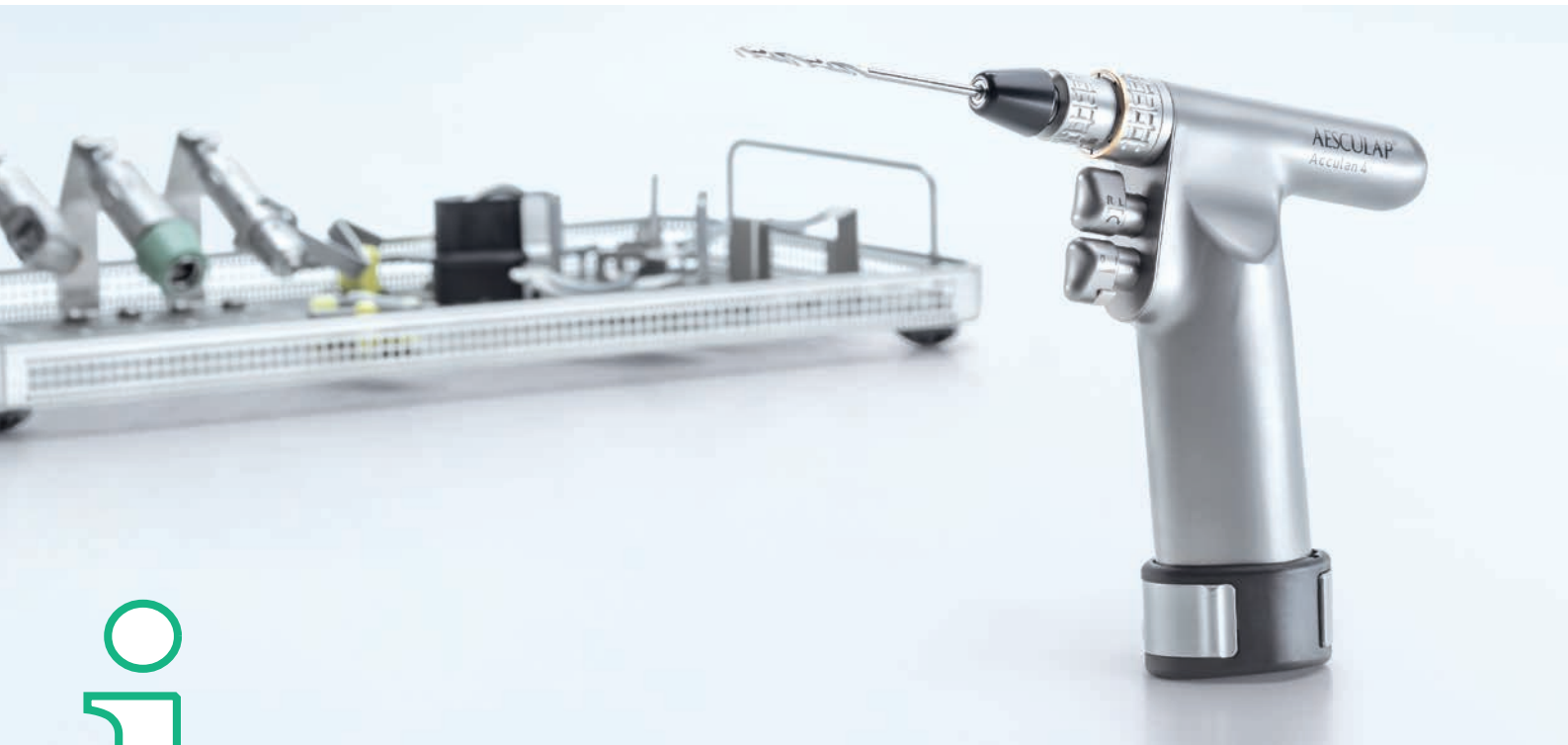
Drills & reamers

 sterile		 sterile	
GP117R	1.8 mm	GP125R	3.5 mm
GP120R	2.3 mm	GP128R	5.0 mm
GP122R	2.7 mm	GP149R	2.3 mm
GP124R	3.0 mm	GP209R	2.5 mm

Saw blades are pictured 1:1.
For additional saw blades, see Brochure 017599.

AESCULAP® Acculan 4 small drill & ELAN 4 drill

Good to know



Two systems – same components





Two systems –
same components

GB881R

Drill attachment Jacobs chuck
large (Ø 0.5 – 7.4 mm)



GB884R

Drill attachment AO small



GB882R

Drill attachment Jacobs chuck small
(Ø 0.5 – 4.0 mm)



We recommend:

Especially suited to small
animals and toy breeds

GB887R

Drill attachment for dental shaft

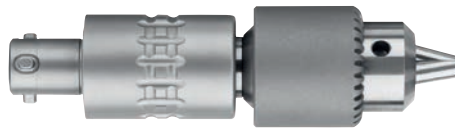


We recommend:

Especially suited to small
animals and toy breeds

GB870R

Reamer attachment – large Jacobs chuck



We recommend:

For special orthopedic
indications

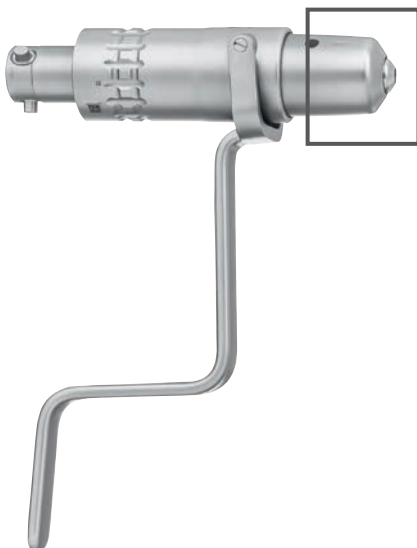
GB891R

Sagittal saw attachment



GB894R

Kirschner wire attachment

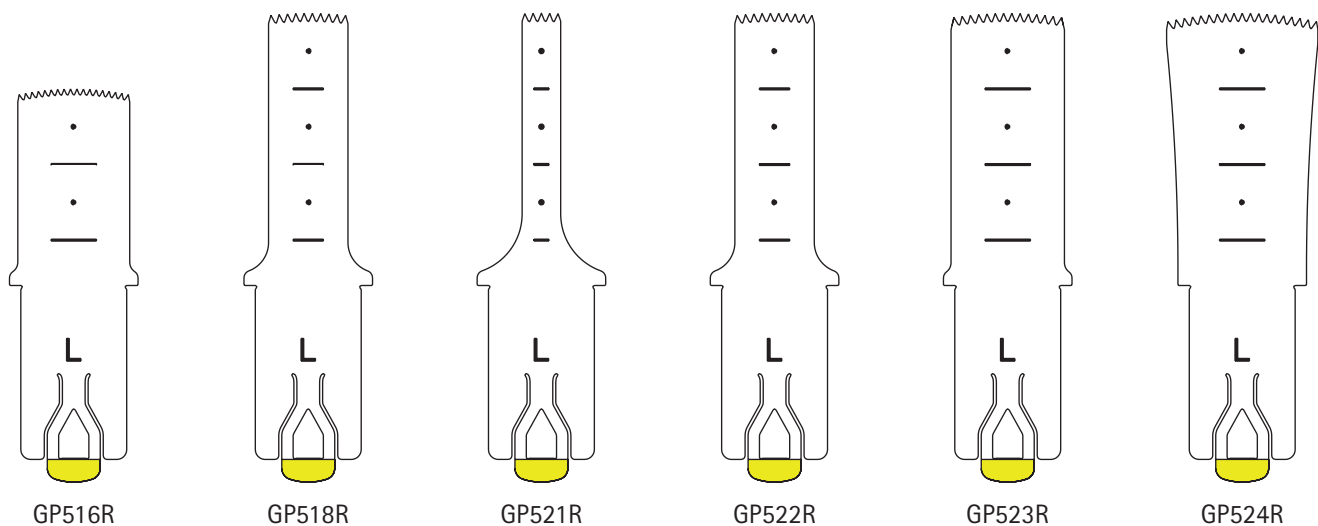
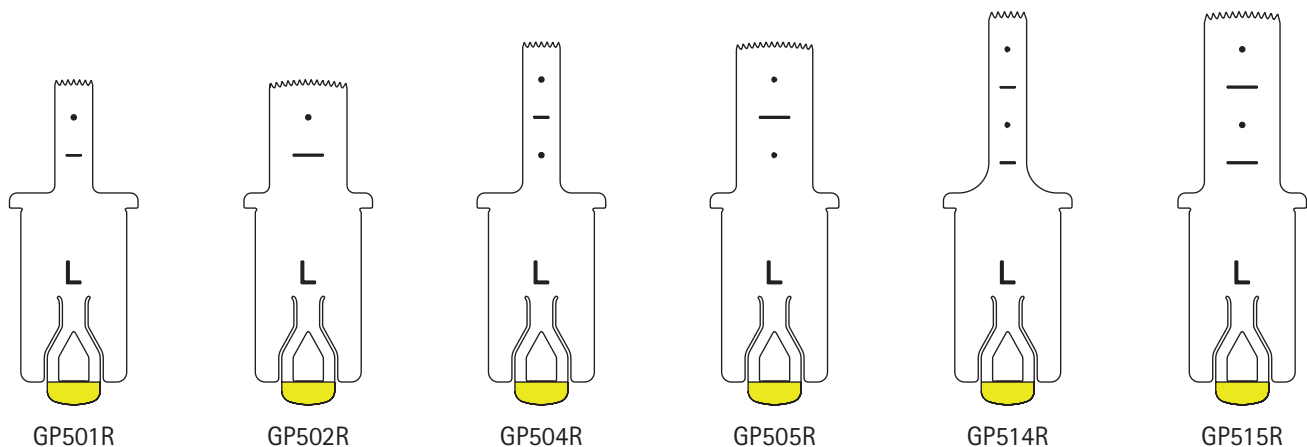












Size indication

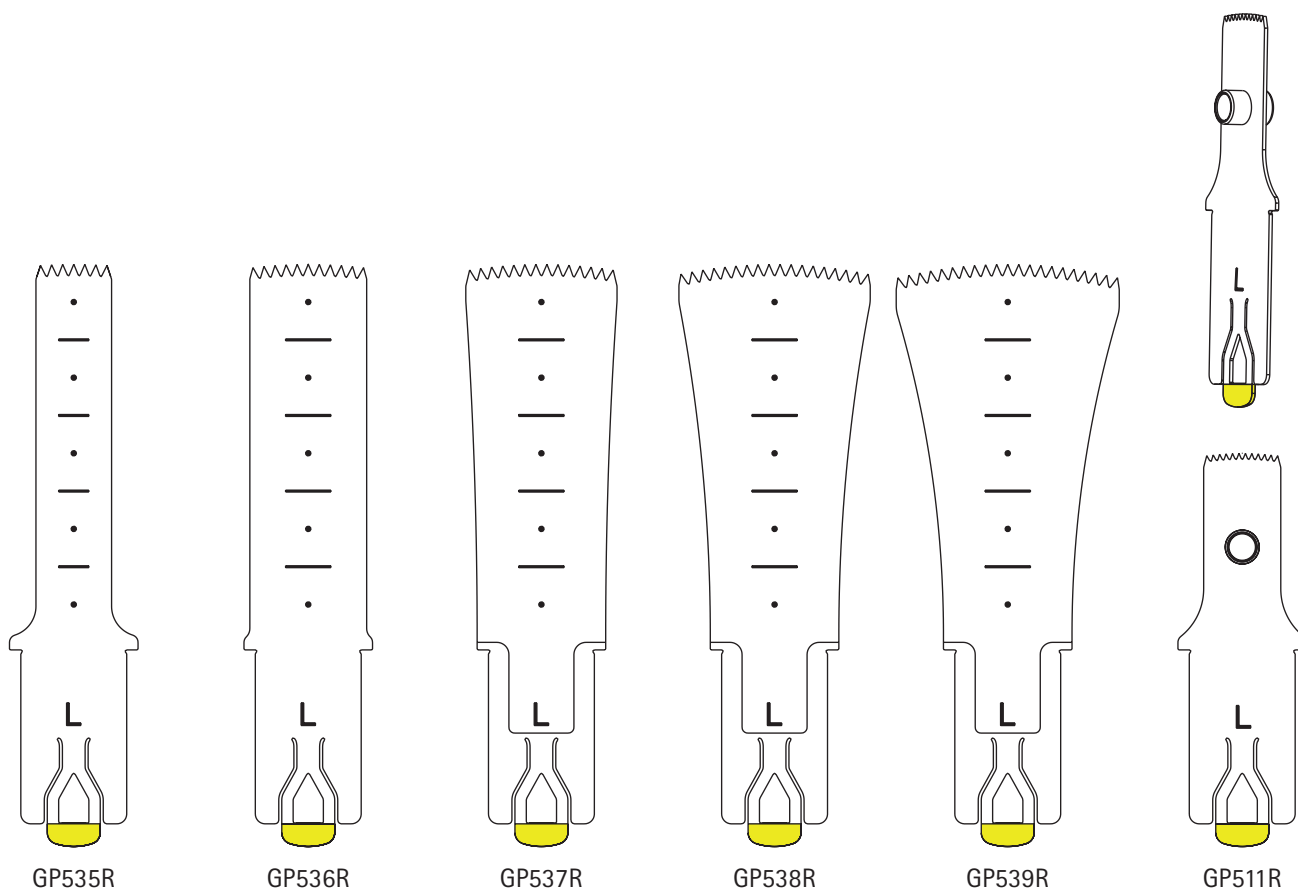
- 0.6 – 1.8 •
- 1.8 – 3.0 •
- 3.0 – 4.0 •







AESCULAP® Acculan 4 small drill & ELAN 4 pistol-grip drill

Tools | Sagittal saw blades (oscillating saw blades)



 sterile					 sterile				
GP501R	15 mm	5 mm	0.5 mm	0.5 mm	GP516R	25 mm	15 mm	0.5 mm	0.7 mm
GP502R	15 mm	10 mm	0.5 mm	0.5 mm	GP518R	35 mm	10 mm	0.5 mm	0.5 mm
GP504R	20 mm	5 mm	0.5 mm	0.5 mm	GP521R	35 mm	5 mm	0.5 mm	0.5 mm
GP505R	20 mm	10 mm	0.5 mm	0.5 mm	GP522R	35 mm	10 mm	0.5 mm	0.7 mm
GP514R	25 mm	5 mm	0.5 mm	0.7 mm	GP523R	35 mm	15 mm	0.5 mm	0.7 mm
GP515R	25 mm	10 mm	0.5 mm	0.7 mm	GP524R	35 mm	20 mm	0.5 mm	0.7 mm



 sterile					
GP535R	50 mm	10 mm	0.5 mm	0.8 mm	
GP536R	50 mm	15 mm	0.5 mm	0.8 mm	
GP537R	50 mm	20 mm	0.7 mm	0.9 mm	
GP538R	50 mm	25 mm	0.7 mm	0.9 mm	
GP539R	50 mm	30 mm	0.7 mm	0.9 mm	
GP511R	35 mm	10 mm	0.5 mm	0.5 mm	10 mm

Saw blades are pictured 1:1.
For additional saw blades, see Brochure 017599.

AESCULAP® Acculan 4 small drill & ELAN 4 pistol-grip drill

Tools | Spiral drill, thread cutter



Spiral drill

Ø	Dental shaft *		AO shaft **		Round shaft	
	Art. no.	Length mm	Art. no.	Length mm	Art. no.	Length mm
1.1 mm	GC461R	65/28	VC030R	60/35		
1.5 mm	GC462R GC482R	75/53 38/23	VC031R	85/60	GC002R	70/40
1.8 mm			VC032R	105/75		
2.0 mm	GC464R	90/58	VC033R	100/75	GC004R	100/50
2.4 mm			VC034R	105/75		
2.5 mm			VC035R	110/85	GC006R	100/50
2.7 mm			VC036R	100/75		
3.2 mm			GC319R	150/120	GC009R	100/60
3.5 mm			VC037R	110/85	GC010R	100/60
4.0 mm					GC012R	110/70
4.5 mm			GC323R	150/120	GC013R	150/80
5.0 mm					GC014R	160/90
6.0 mm					GC016R	160/90

For additional drills, see Brochure O17599.



** GB887R
Drill attachment for dental shaft*



*** GB884R
Drill attachment AO small*



*GB881R
Drill attachment three-jaw chuck*



*GB882R
Drill attachment three-jaw chuck small*



Thread cutter

Ø	AO shaft	
	Art. no.	Length mm
1.5 mm	VC040R	130/32
2.0 mm	VC041R	130/32
2.4 mm	VC042R	130/32
2.7 mm	VC043R	130/32
3.5 mm	VC044R	130/50

For additional drills, see Brochure 017599.

AESCULAP® Acculan 4 | TPLO saw

Tools | saw blades

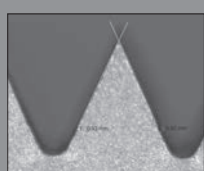
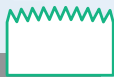


TPLO saw

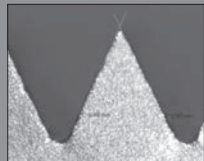


The perfect incision, big or small

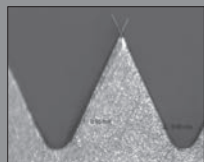
- Light
- Little vibration
- Minimal heat development
- Controlled, reproducible cutting
- Standard triangular shaft



New saw blade



After 25 uses










After 50 uses





GT666

AESCULAP® radius overview

Art. no.	GC538R	GC539R	GC544R	GC545R	GC546R	GC547R	GC548R
Radius Scale 1:2	12 mm 	15 mm 	18 mm 	20 mm 	24 mm 	27 mm 	30 mm 

AESCULAP® rotation overview

TPA	GC538R	GC539R	GC544R	GC545R	GC546R	GC547R	GC548R
15	2	2.6	3	3.5	4.25	4.75	5.25
16	2.2	2.8	3.25	3.75	4.5	5.2	5.75
17	2.4	3.1	3.75	4.1	5	5.65	6.25
18	2.6	3.3	4	4.5	5.5	6.1	6.75
19	2.9	3.6	4.25	4.85	6	6.55	7.25
20	3.1	3.8	4.5	5.1	6.25	7	7.75
21	3.3	4.1	4.75	5.55	6.75	7.45	8.3
22	3.5	4.3	5	5.9	7	7.9	8.85
23	3.7	4.6	5.5	6.2	7.5	8.35	9.4
24	3.9	4.9	5.75	6.5	8	8.8	10
25	4.1	5.1	6	6.85	8.25	9.25	10.4
26	4.3	5.4	6.25	7.2	8.75	9.7	11
27	4.5	5.7	6.75	7.5	9	10.15	11.5
28	4.7	5.9	7	7.9	9.5	10.6	12
29	5	6.2	7.25	8.25	10	11.05	12.5
30	5.2	6.4	7.5	8.6	10.25	11.5	13
31	5.4	6.7	8	8.9	10.75	12	13.5
32	5.6	7	8.25	9.3	11	12.45	14
33	5.8	7.3	8.5	9.65	11.5	12.9	14.5
34	6	7.5	8.75	10	12	13.35	15
35	6.2	7.8	9	10.3	12.25	13.8	15.5
36	6.4	8	9.5	10.7	12.75	14.25	16
37	6.6	8.3	9.75	11	13	14.7	16.5
38	6.8	8.6	10	11.4	13.5	15.15	17
39	7	8.8	10.25	11.75	14	15.6	17.5
40	7.2	9	10.5	12	14.25	16.05	18

AESCULAP® processing

Sterilit® Power Systems

GB600

Sterilit® Power Systems
300 ml



For ELAN 4

GB600860

Sterilit® Power Systems
spray adapter
for ELAN 4 electro



For ELAN 4 small drill and Acculan 4

GB600880

Sterilit® Power Systems spray adapter
for Acculan 4 small drill and ELAN 4
electro drill



TA011944

Cleaning brushes for cannulation

200 x 30 x 4.5 mm
(included with purchase of Acculan 4 small
drill GA344)

AESCULAP® ELAN 4

Manual cleaning and disinfection with a rinsing adapter

Processing

- ➔ Keep the rinsing adapter GB698R attached throughout the entire process.



Pre-cleaning

- Select the correct rinsing adapter for the attachment.
- Disassemble tools and other attachments. Clean the product under running water with a suitable brush. Move non-fixed components (e.g., rotating sleeve) during cleaning.
- Rinse the product with a water pistol at least 3 times for 5 seconds.

Manual cleaning



- Use a disposable syringe to fill the inside of the product with an enzymatic cleaning solution, e.g., Helizyme.
- Immerse the product for 5 minutes fully in an enzymatic cleaning solution, e.g., Helizyme.
- Follow the instructions on the enzymatic cleaner regarding correct concentration, dilution, temperature, and water quality.

Interim rinsing

- Rinse the product under running water. Move non-fixed components during cleaning.
- Rinse the product with a water pistol at least 3 times for 5 seconds.



- ➔ The operator bears sole responsibility for proper processing. Please take particular note of the corresponding information and instructions in the manual, and adhere to applicable national standards and statutory requirements.

Processing and reprocessing

- ➔ Keep the rinsing adapter attached throughout the entire process.



Disinfection

- Before disinfecting, drain the rinse water and blow all traces of liquid out through the rinse adapter using an air pistol.
- Use a disposable syringe to fill the inside of the product with disinfectant.
- Immerse the product for **15 minutes** completely in a **disinfectant solution**, e.g., Stabimed fresh.
- Follow the instructions on the disinfectant with regard to correct concentration, dilution, temperature, and water quality.

Final rinse

- Rinse the product under running water. Move non-fixed components during cleaning.
- Rinse the product with a water pistol at **least 3 times for 5 seconds**



Drying & oiling

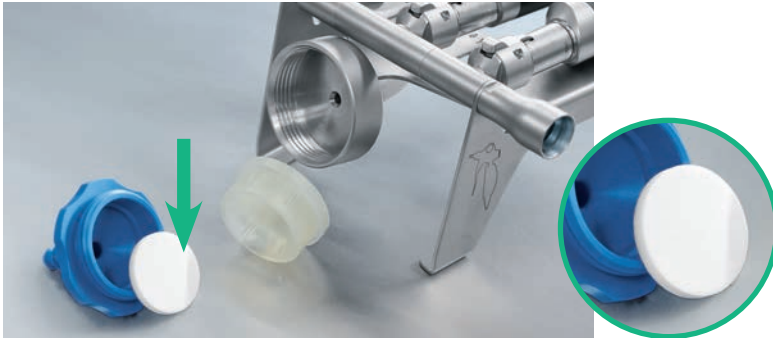
- In the drying phase, use appropriate resources (e.g., lint-free cloths, pressurized air) to dry the product.
- **Release the rinsing adapter.** Check visible surfaces for residue.
- **Oil the product for 2 seconds** using **GB800 Sterilit® Power Systems oil spray** and the corresponding spray adapter.



AESCULAP® ELAN 4

Mechanical cleaning | Internal cleaning with rinsing device

Processing



Preparation

- Never use the rinsing device GB692R without water filter GB693.
- Attach applied parts (tip facing downward) to rinsing device.

Pre-cleaning

- Use a water pistol to flush out applied parts **at least 3 x for 5 seconds** through the side connection.
- While doing so, cover the connection for the rinsing hose with a compress.

Cleaning

- Connect the rinsing device to the rinsing bar in the RDG via the blue connection.
- Cleaning in the RDG.

Processing and further processing



Residual rinse water

- Blow any residual rinse water out of applied parts via the side connection.
- While doing so, cover the connection for the rinsing hose with a compress.



Oiling applied parts

- Remove handpieces from the rinsing device and spray with Sterilit® Power Systems oil spray GB600 for 2 seconds.



Rinsing device

- Blow contamination out of the water filter via the side connection.
- While doing so, cover the connection for the rinsing hose with a compress.

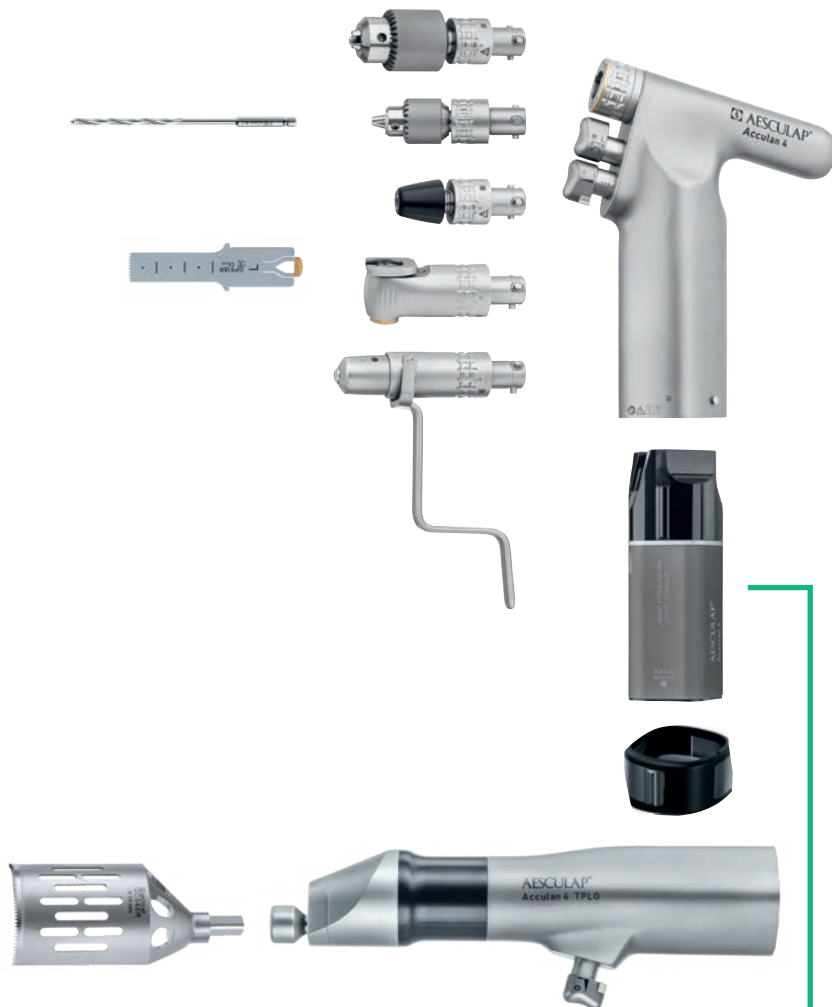
➡ The operator bears sole responsibility for a proper processing. Please take particular note of the corresponding information and instructions in the manual, and adhere to applicable national standards and statutory requirements.

AESCULAP® Acculan 4 small drill and TPLO saw

Processing

Processing

- ➔ Detach attachments, tools, and cap
- ➔ Remove battery



- ➔ After charging, remove the battery from the charger



Manual cleaning

- Pre-clean the individual parts with cold water and a **soft brush**.
- Clean with an **enzyme solution (pH-neutral)** e.g., Helizyme.
- Move flexible components (e. g. sleeves) during cleaning.
- **Do not immerse** in water **during cleaning**.

Interim rinsing

- After cleaning with water, rinse the parts to remove cleaning agent residue.

Drying

- Dry the instruments using a clean, lint-free cloth.

Disinfection

- Wipe disinfection using disposable disinfectant cloth, e.g., Meliseptol® Wipes Sensitive.

Final rinse

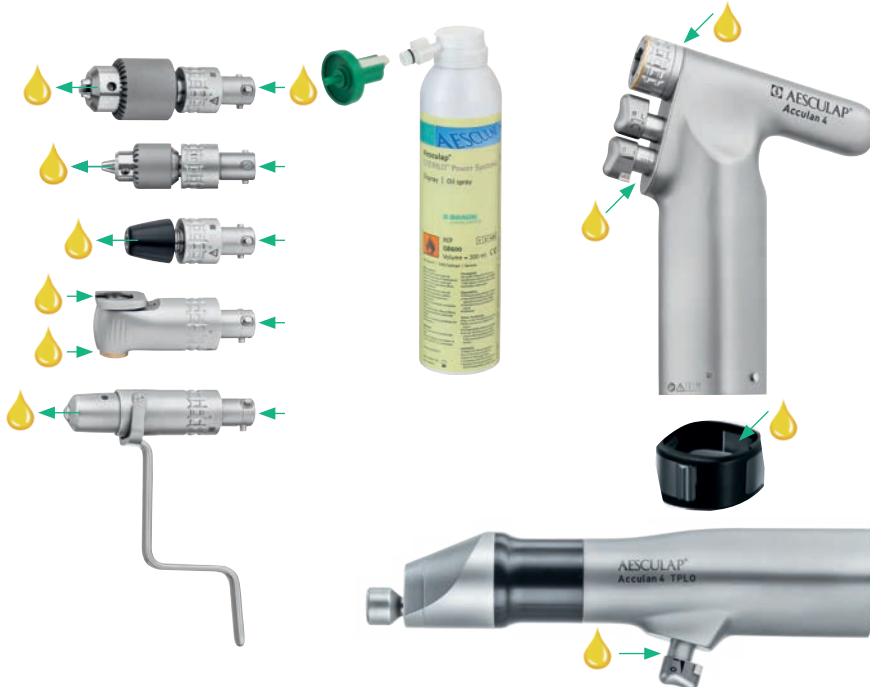
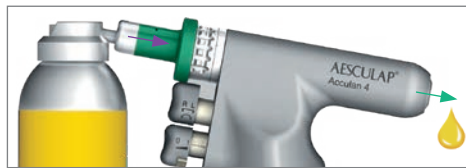
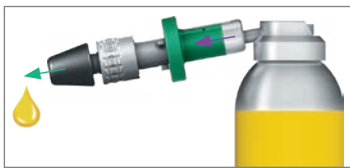
- With **distilled water** (demineralized).

Drying

- Dry the instruments using a **clean, lint-free cloth**.
- If necessary, use compressed air to remove excess moisture from the inside.
- Give the inner parts plenty of time to dry.

Further processing

➔ Oil for 2 seconds



Oiling

- Drill and accessories should be oiled after each use with GB600 Sterilit® Power Systems oil spray + corresponding adapter GB600880.
- Oiling is the key factor in the further processing of the drill and ensuring its durability.

Functional test

- After each cleaning and disinfection, check all product parts for: Cleanliness, damage, function, unusual operating noises, excessive heat, or strong vibrations.
- Make sure all reusable tools are sufficiently sharp.

Steam sterilization

- Sterilization using a fractionated vacuum process at 134 °C, hold time 5 min.
- Wet drills and attachments should not be autoclaved.
- Do not sterilize batteries.

Charging process



- After charging the batteries, remove them from the charger.
- Do not leave any batteries in the charger while it is unplugged.
- If a battery is used during surgery until it is completely discharged, wait 10-15 minutes for the battery to "recover" before placing it into the charger. (Otherwise, red warning lights could light up on the charger).
- After surgery, take the battery out of the drill. If the battery was in the machine for several hours, wait 10-15 minutes for it to "recover" before placing it into the charger.

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Manufacturer acc. to MDR (EU) 2017/745:
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