



POWER SYSTEMS

AESCULAP® ELAN 4

HIGHSPEED INSTRUMENTS FROM AESCULAP

Precision. Performance. Pleasure.

AESCULAP® ELAN 4

BURR COMPENDIUM

HIGHSPEED MOTOR SYSTEMS

As one of the leading German developers and manufacturers of highspeed motor systems, we are at the forefront of developments. We are always in contact with users world-wide and cooperate closely with them to make our high-speed motor systems and instruments even better for your everyday work.

BURRS ARE NOT ALL THE SAME

We apply the high, user-oriented demands that we put on our motor systems to our instruments as well. Instruments and motor handpieces form a synchronised unit with an outstanding performance. No individual products but a system solution from one source.



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



Instruments adapted precisely
to the motor system

high precision and smoothness

One burr fits all handpiece lengths

easy handling

Large selection of instruments

the right instrument for any use

Intensive on-site support from
our field staff

**intensive advice and support before,
during and even after your purchase**

High supply capability and quality

reliable work, high process reliability

AESCULAP® ELAN 4

BURR COMPENDIUM

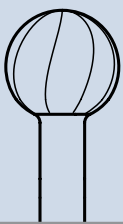
BURR TYPES AND PROPERTIES

A lot of heat is generated during highspeed bone preparation. Therefore, adequate cooling through irrigation is essential for all burr types.

Diamond burrs are mainly suitable for bone preparation near vessels or neural structures due to their soft tissue-friendly properties.

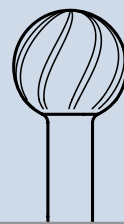
At the same time, they generate even more heat than "classic cutting" burrs. Therefore, diamond burrs should not be used for the dissection of larger bone areas.

> Rosen burrs



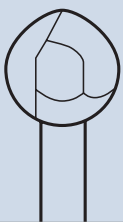
- The most widely used universal burr
- For the dissection of bone in nearly all indications
- Primarily for lateral burr work
- Larger diameter for craniotomy as an alternative to trepanation

> Rosen burrs, soft cut



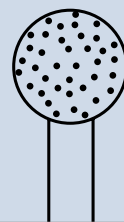
- Slightly reduced cutting performance in comparison to standard Rosen burrs
- Less chattering due to the helix shaped cutting design and therefore increased safety

> Twin-Cut burrs



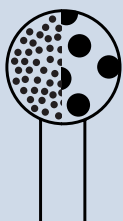
- Revolutionary cutting design
- High dissection performance and low chattering
- Alternative to Rosen burrs

> Diamond burrs



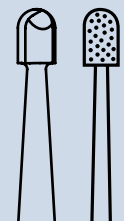
- Soft tissue-friendly
- For use around sensitive structures

> Diamond burrs, coarse / extra coarse



- Coarse and extra coarse diamond burrs combine the advantages of standard Rosen burrs and diamond burrs
- Dissect more material than a standard diamond burr, but are not as aggressive on soft tissue as a Rosen burr

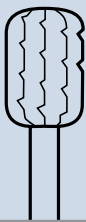
> Neuro cutters



- Good lateral dissection performance
- Less aggressive frontally and soft tissue-friendly
- Cylindrical design for the creation of flat surfaces
- Also available in coarse diamond design
- Suitable for controlled deep dissection, e.g. in skull base surgery and numerous spinal indications

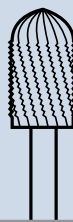


> Barrel burrs, standard



- For dissection of larger bone areas
- For corpectomy and modeling bone transplants

> Barrel burrs, soft cut



- For the preparation of endplates for fusion
- Based on gentle cutting behavior, ideal for removing intervertebral disc material

> Cone burrs



- Different access angles allow a better view of the site
- For dissection of larger bone areas
- For corpectomy and modeling bone grafts

> Reverse taper burrs



- Special burr for the removal of cervical osteophytes in the neuroforamen
- The flat distal end does not advance as far into the spinal canal and therefore protects the dura mater

> Oval burrs



- Universal burr for spinal applications

> Acorn burrs



- For the removal of larger bone areas
- For craniotomy as an alternative to trepanation

BURR TYPES AND PROPERTIES

> Lindemann



- Originated from OMF-Surgery
- For cutting bone as an alternative to saws

> Pin cutter



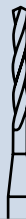
- Enables cutting of bone with little bone loss, e.g. calvarian split

> Craniotome cutter, spiral / straight



- For laminectomy and laminoplasty
- Also suitable for drilling
- Short: children
- Medium: standard
- Long: for thick bone and occipital access

> Twist drills



- Drilling of tack-up holes and holes for craniotomy closure

> Twist drills, for pilot holes

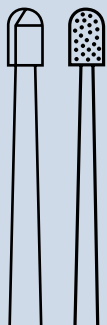


- For the defined drilling of pilot holes
- Different diameters available, adapted to the implant system



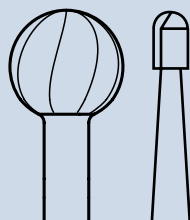
SPECIAL INSTRUMENTS

> Burrs with longer overhang



- Extra overhang enables access in cervical spine without vertebral body distraction
- Improved view of the burr head

> Tungsten carbide – Rosen burrs and neuro cutters



- For working on extremely hard bone, e.g. for mastoidectomies

> Tungsten carbide – Side cutter

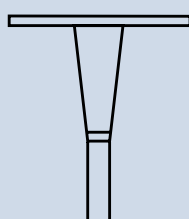
Tools for metal dissection



- For cutting metal (e.g. hip prostheses, intramedullary nails, bone plates, fixators)

> Diamond disc

Tools for metal preparation

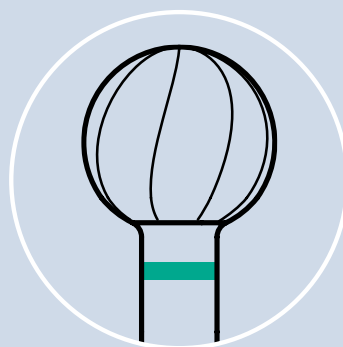


- For cutting metal (e.g. hip prostheses, intramedullary nails, bone plates, fixators)

AESCULAP® ELAN 4


INSTRUMENT PRODUCT OVERVIEW

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 |
| <hr/> | | | | | | | | | |

> Diamond burs, extra coarse

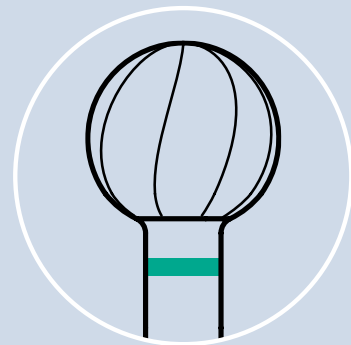
| | | | | | |
|---|--------|--------|--------|--------|--------|
|  | 3.0 mm | 4.0 mm | 5.0 mm | 6.0 mm | 7.0 mm |
| Art.No. | GP173R | GP174R | GP175R | GP176R | GP177R |
| <hr/> | | | | | |

* Burs with longer overhang

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HIGHSPEED BURR OVERVIEW

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 burrs, diamond coarse


| | |
|---|--------|
|  | 4.0 mm |
| Art.No. | GP238R |

* Burrs with longer overhang




Burs for 1-ring handpieces

> Acorn burs

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


> Oval burs

| | | | |
|---|--------|--------|--------|
|  | | 4.0 mm | 5.5 mm |
| Art.No. | GP232R | GP233R | |


> Lindemann

| | | | | | |
|---|--------|--------|--------|---------|--------|
|  | | 1.8 mm | 2.1 mm | 2..3 mm | 2.3 mm |
| Länge | 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 burs

| | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|--------|
|  | | 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 | |

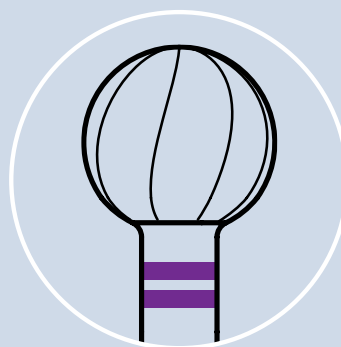
> Tungsten carbide – Neuro cutter

| | | |
|---|---------|--------|
|  | | 3.0 mm |
| Art.No. | GP210TC | |

AESCULAP® ELAN 4


HIGHSPEED BURR OVERVIEW

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

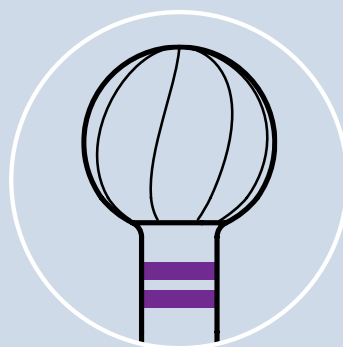
| | | |
|---|--------|--------|
|  | 4.0 mm | 6.0 mm |
| Art.No. | GP388R | GP389R |

* Burrs with longer overhang

AESCULAP® ELAN 4


HIGHSPEED BURR OVERVIEW

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 burrs

| | | |
|---|--|--------|
|  | | 4.0 mm |
| Art.No. | | GP382R |

> Lindemann

| | | | | | |
|---|--|--------|--------|--------|--------|
|  | | 1.8 mm | 2.1 mm | 2.3 mm | 2.3 mm |
| Länge | | 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

| | | | | |
|---|-------|--------|--------|--------|
|  | Länge | • | •• | ••• |
| Art.No. | | GP341R | GP342R | GP343R |

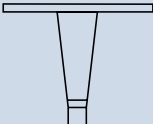
> Craniotome cutter, straight type

| | | | | |
|---|-------|--------|--------|--------|
|  | Länge | • | •• | ••• |
| 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 |

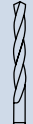


Burrs for 2-ring handpieces

› 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 burrs

| | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|
|  | 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 ②

| | |
|---|------------|
|  | 3.0 mm |
| Art.No. | GP399TC-SU |

› Tungsten carbide – Taper burr

| | | |
|---|---------|---------|
|  | 1.2 mm | 1.6 mm |
| Art.No. | GP395TC | GP396TC |

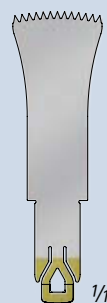
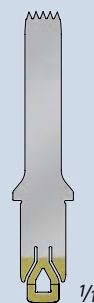
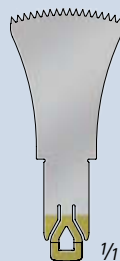
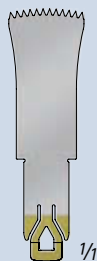
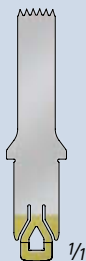
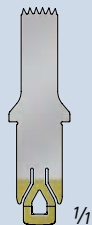
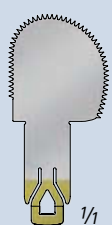
AESCULAP® ELAN 4

HIGHSPEED BLADE OVERVIEW

SAW 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



SAW BLADES - RECIPROCATING SAW for GA737 and GA837



➤ GP542R

Micro reciprocating saw
13/0.3 mm



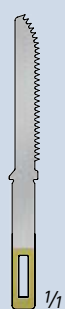
➤ GP543R

Micro reciprocating saw
20/0.3 mm



➤ GP544R

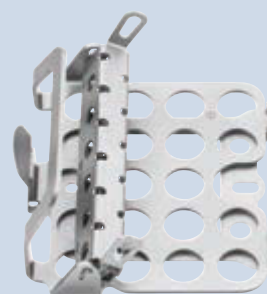
Micro reciprocating saw
13/0.3 mm



➤ GP545R

Micro reciprocating saw
20/0.3 mm

PORTABLE INSTRUMENT HOLDER with tray fixation



➤ GB720R

ECCOS® holder
for saw blades

➤ GB718R

ECCOS® holder
for 12 burs

AESCULAP® ELAN 4

POWER SYSTEMS

TWO SYSTEMS





ONE PHILOSOPHY

AESCULAP® – a B. Braun brand

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany
Phone +49 7461 95-0 | Fax +49 7461 95-2600 | www.aesculap.com

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