

# Aesculap Special Instruments for Anterior Cervical Approach



Aesculap Spine

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<sup>1</sup> Nabhan A, Pape D, Pitzen T, Steudel WJ, Bachelier F, Jung J, Ahlhelm F. Radiographic analysis of fusion progression following one-level cervical fusion with or without plate fixation. *Zentralbl Neurochir.* 2007 Aug;68(3):133-8. PubMed PMID: 17665339

<sup>2</sup> Bohlman HH, Emery SE, Goodfellow DB, Jones PK. Robinson anterior cervical discectomy and arthrodesis for cervical radiculopathy. *J Bone Joint Surg Am.* 1993 Sep;75(9):1298-307. Pub Med PMID: 8408151

<sup>3</sup> Caspar W, Geisler FH, Pitzen T, Johnson TA. Anterior cervical plate stabilization in one- and two-level degenerative disease: overtreatment or benefit? *J Spinal Disord.* 1998 Feb;11(1):1-11. Pub Med PMID: 9493763

<sup>4</sup> Cloward RD. Treatment of acute fractures and fracture-dislocations of the cervical spine by vertebral-body fusion. A report of eleven cases. *J Neurosurg.* 1961;18:201-9. Pub Med PMID: 13694141

<sup>5</sup> Zhou J, Li X, Dong J, Zhou X, Fang T, Lin H, Ma Y. Three-level anterior cervical discectomy and fusion with self-locking stand-alone polyetheretherketone cages. *J Clin Neurosci.* 2011 Nov;18(11):1505-9. PubMed PMID: 21924914

<sup>6</sup> Peng-Fei S, Yu-Hua J. Cervical disc prosthesis replacement and interbody fusion: a comparative study. *Int Orthop.* 2008 Feb;32(1):103-6. PubMed PMID: 17180356

<sup>7</sup> Moatz B, Tortolani PJ. Cervical disc arthroplasty: Pros and cons. *Surg Neurol Int.* 2012 Mar;(Suppl 3):216-24. PubMed PMID: 22905327

# A | Preface

Anterior cervical discectomy and fusion (ACDF) using an interbody fusion device or bone graft in combination with plate fixation is an accepted technique for the treatment of degenerative disc disease.<sup>1,2,3,4</sup> The success of this surgical procedure which is also considered as the golden standard, relies on decompression and development of a solid osseous fusion. Traditional interbody fusion using tricortical bone graft can maintain disc height as well as foraminal height at the intervertebral segment.<sup>5</sup> More modern techniques involve the use of interbody fusion devices made of synthetic materials (PEEK, carbon fiber) or titanium. Special coating of the cage (e.g. Plasmapore®) can promote implant stability and bony ingrowth.

Anterior plate osteosynthesis with a bone graft support or with an interbody fusion device cannot only be applied to degenerative instability but also to traumatic, tumorous, rheumatoid and infectious instability.

Another option to treat symptomatic cervical discopathy is to maintain the motion through the use of an artificial cervical intervertebral disc. Artificial cervical discs are supposed to slow down the degeneration of the adjacent disc, allowing the physiological alignment and range of motion of vertebrae to be restored as best as possible.<sup>6</sup> This procedure has emerged as a potential alternative to ACDF in appropriately selected patients.<sup>7</sup>

The purpose of this brochure is to give an overview about special instruments for the anterior approach to the cervical spine including both, ACDF and motion preservation techniques.



## B | Ordering Information

### **CASPAR® Combined Neck and Head Rest**

The rest is especially suitable for fusion and plate osteosynthesis procedures but is also applicable for all other operations with cervical anterior approach.

The stable construction and high versatility of the CASPAR® Combined Neck and Head Rest permits adaptation to the individual patient and access to the surgical site, particularly for intra-operative C-arm fluoroscopy.

#### **FF140**

Combined neck and head rest, consisting of a head and neck cushion (FF141, FF143) and an integrated adjustable skull traction device with stand.



#### **FF141**

Head cushion, attachable to the head support (included in the FF140 set).

#### **FF142**

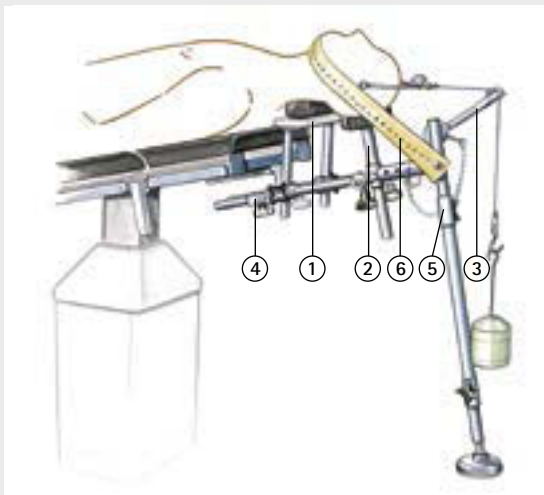
Rubber band for elastic head fixation (must be ordered separately).

#### **FF143**

Neck cushion, attachable to the neck support (included in the FF140 set).

#### **FF144**

Neck support transparent to X-ray, without cushion, 265 x 62 x 75 mm (must be ordered separately).



① Neck support with detachable cushion. Adjustable vertically, horizontally and obliquely. Can be rotated for longitudinal or transverse use. Illustrated here is the version which is transparent to X-ray. This neck support (FF144), with neck cushion, transparent to X-ray in the sagittal plane, can be adjusted for height and position, and can easily be exchanged for the regular neck support.

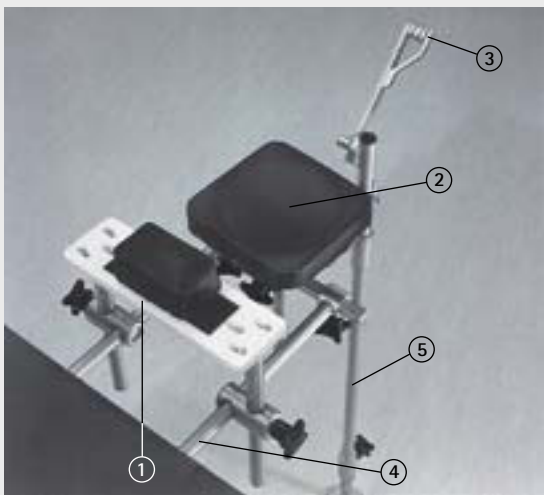
② Head support with cushion, adjustable height.

③ Guide pulley for traction rope, adjustable height.

④ Fixation to operating table (if necessary, the MAQUET Universal Adaptor 1005.27 may be used).

⑤ Stand, adjustable height.

⑥ Rubber band for elastic head fixation (FF142).



## B | Ordering Information

### Instruments for approach

BA311SU



BA323SU



Scalpels for Single Use (10 pieces)  
230 mm



BV997R

GELPI

Skin retractor  
175 mm



BV085R

ADSON

Wound retractor, semi-sharp  
140 mm



US602

1.0 mm



US604

2.0 mm



Rose Gold bipolar non-stick forceps,  
insulated  
190 mm



GN133

for bipolar coagulation units Aesculap  
GN060, GN160, GN640 such as BOWA,  
Lamidey, Söring and Valleylab



## Instruments for approach

### Explanation



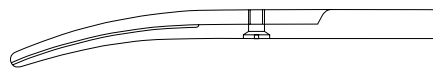
prevents tissue or suture materials from slipping out.

»grazil«

Scissors with special delicate and slim design.

**DUROTIP®**

Scissors with inserted carbide guarantee permanent cutting edge.



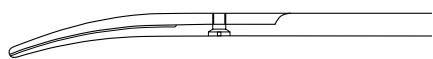
**BC263R** 

METZENBAUM

curved  
180 mm



»grazil« **DUROTIP®**



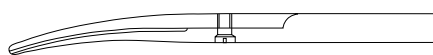
**BC271R** 

METZENBAUM

curved  
180 mm



»grazil« **DUROTIP®**



**BC273R** 

TÖNNIS-ADSON

curved  
175 mm



»grazil« **DUROTIP®**

## B | Ordering Information

### Soft tissue retraction: CCR System (CASPAR® Cervical Retractor System)

#### BW049R

CCR basic cervical retractor,  
preferably used for medial-lateral  
retraction, double hinge, tiltable  
butterfly screw, side load mechanism



#### BW047R

CCR basic counter retractor,  
preferably used for longitudinal  
retraction, double hinge,  
side load mechanism



#### BW048R

CCR longitudinal counter retractor,  
preferably used for longitudinal  
retraction, with high loading,  
high torsion resistance, side load  
mechanism



#### BW010R

Handle for blades for a modular  
use as hand-held retractors  
(as Langenbeck hand retractor)



#### BW011P

Depth gauge to determine the  
appropriate blade length



## Soft tissue retraction: CCR System (CASPAR® Cervical Retractor System)

### BW139R

CCR radiolucent basic retractor, preferably used for medial-lateral retraction, double hinge, tiltable butterfly screw, side load mechanism



### BW137R

CCR radiolucent basic counter retractor, preferably used for longitudinal retraction, double hinge, side load mechanism



### BW138R

CCR radiolucent longitudinal counter retractor, preferably used for longitudinal retraction, with high loading, high torsion resistance, side load mechanism



### Info

See following pages for blades!



## B | Ordering Information

### Soft tissue retraction: CCR System (CASPAR® Cervical Retractor System)

#### Blades



#### Titanium

|               |                                                 |
|---------------|-------------------------------------------------|
| <b>BW050T</b> | CCR blade, toothed (medial/lateral), 19 x 25 mm |
| <b>BW051T</b> | CCR blade, toothed (medial/lateral), 19 x 30 mm |
| <b>BW052T</b> | CCR blade, toothed (medial/lateral), 19 x 35 mm |
| <b>BW053T</b> | CCR blade, toothed (medial/lateral), 19 x 40 mm |
| <b>BW054T</b> | CCR blade, toothed (medial/lateral), 19 x 45 mm |
| <b>BW055T</b> | CCR blade, toothed (medial/lateral), 19 x 50 mm |
| <b>BW056T</b> | CCR blade, toothed (medial/lateral), 19 x 55 mm |
| <b>BW057T</b> | CCR blade, toothed (medial/lateral), 19 x 60 mm |

#### Titanium

|               |                                             |
|---------------|---------------------------------------------|
| <b>BW060T</b> | CCR blade, blunt (longitudinal), 19 x 25 mm |
| <b>BW061T</b> | CCR blade, blunt (longitudinal), 19 x 30 mm |
| <b>BW062T</b> | CCR blade, blunt (longitudinal), 19 x 35 mm |
| <b>BW063T</b> | CCR blade, blunt (longitudinal), 19 x 40 mm |
| <b>BW064T</b> | CCR blade, blunt (longitudinal), 19 x 45 mm |
| <b>BW065T</b> | CCR blade, blunt (longitudinal), 19 x 50 mm |
| <b>BW066T</b> | CCR blade, blunt (longitudinal), 19 x 55 mm |
| <b>BW067T</b> | CCR blade, blunt (longitudinal), 19 x 60 mm |

#### Titanium

|               |                                              |
|---------------|----------------------------------------------|
| <b>BW141T</b> | CCR blade, small teeth (lateral), 24 x 30 mm |
| <b>BW142T</b> | CCR blade, small teeth (lateral), 24 x 35 mm |
| <b>BW143T</b> | CCR blade, small teeth (lateral), 24 x 40 mm |
| <b>BW144T</b> | CCR blade, small teeth (lateral), 24 x 45 mm |
| <b>BW145T</b> | CCR blade, small teeth (lateral), 24 x 50 mm |
| <b>BW146T</b> | CCR blade, small teeth (lateral), 24 x 55 mm |
| <b>BW147T</b> | CCR blade, small teeth (lateral), 24 x 60 mm |
| <b>BW148T</b> | CCR blade, small teeth (lateral), 24 x 65 mm |
| <b>BW149T</b> | CCR blade, small teeth (lateral), 24 x 70 mm |

#### Titanium

|               |                                             |
|---------------|---------------------------------------------|
| <b>BW151T</b> | CCR blade, large teeth (medial), 24 x 30 mm |
| <b>BW152T</b> | CCR blade, large teeth (medial), 24 x 35 mm |
| <b>BW153T</b> | CCR blade, large teeth (medial), 24 x 40 mm |
| <b>BW154T</b> | CCR blade, large teeth (medial), 24 x 45 mm |
| <b>BW155T</b> | CCR blade, large teeth (medial), 24 x 50 mm |
| <b>BW156T</b> | CCR blade, large teeth (medial), 24 x 55 mm |
| <b>BW157T</b> | CCR blade, large teeth (medial), 24 x 60 mm |
| <b>BW158T</b> | CCR blade, large teeth (medial), 24 x 65 mm |
| <b>BW159T</b> | CCR blade, large teeth (medial), 24 x 70 mm |

## Soft tissue retraction: CCR System (CASPAR® Cervical Retractor System)

### Blades



### Titanium

|               |                                             |
|---------------|---------------------------------------------|
| <b>BW162T</b> | CCR blade, blunt (longitudinal), 24 x 35 mm |
| <b>BW163T</b> | CCR blade, blunt (longitudinal), 24 x 40 mm |
| <b>BW164T</b> | CCR blade, blunt (longitudinal), 24 x 45 mm |
| <b>BW165T</b> | CCR blade, blunt (longitudinal), 24 x 50 mm |
| <b>BW166T</b> | CCR blade, blunt (longitudinal), 24 x 55 mm |
| <b>BW167T</b> | CCR blade, blunt (longitudinal), 24 x 60 mm |
| <b>BW168T</b> | CCR blade, blunt (longitudinal), 24 x 65 mm |
| <b>BW169T</b> | CCR blade, blunt (longitudinal), 24 x 70 mm |
| <b>BW170T</b> | CCR blade, blunt (longitudinal), 24 x 75 mm |

### PEEK

|               |                                                 |
|---------------|-------------------------------------------------|
| <b>BW251P</b> | CCR blade, toothed (medial/lateral), 19 x 30 mm |
| <b>BW252P</b> | CCR blade, toothed (medial/lateral), 19 x 35 mm |
| <b>BW253P</b> | CCR blade, toothed (medial/lateral), 19 x 40 mm |
| <b>BW254P</b> | CCR blade, toothed (medial/lateral), 19 x 45 mm |
| <b>BW255P</b> | CCR blade, toothed (medial/lateral), 19 x 50 mm |
| <b>BW256P</b> | CCR blade, toothed (medial/lateral), 19 x 55 mm |
| <b>BW257P</b> | CCR blade, toothed (medial/lateral), 19 x 60 mm |
| <b>BW258P</b> | CCR blade, toothed (medial/lateral), 19 x 65 mm |
| <b>BW259P</b> | CCR blade, toothed (medial/lateral), 19 x 70 mm |

### PEEK

|               |                                             |
|---------------|---------------------------------------------|
| <b>BW261P</b> | CCR blade, blunt (longitudinal), 19 x 30 mm |
| <b>BW262P</b> | CCR blade, blunt (longitudinal), 19 x 35 mm |
| <b>BW263P</b> | CCR blade, blunt (longitudinal), 19 x 40 mm |
| <b>BW264P</b> | CCR blade, blunt (longitudinal), 19 x 45 mm |
| <b>BW265P</b> | CCR blade, blunt (longitudinal), 19 x 50 mm |
| <b>BW266P</b> | CCR blade, blunt (longitudinal), 19 x 55 mm |
| <b>BW267P</b> | CCR blade, blunt (longitudinal), 19 x 60 mm |
| <b>BW268P</b> | CCR blade, blunt (longitudinal), 19 x 65 mm |
| <b>BW269P</b> | CCR blade, blunt (longitudinal), 19 x 70 mm |

## B | Ordering Information

### Instruments for vertebral body distraction

#### FF900R

##### Set

CASPAR®

Vertebral body distractor, for use in surgical procedures from the left approach for C5 through T1/2 and from the right approach for the upper cervical spine.

Please order separately:

#### FF903R

Distractor, like FF901R, but with elongated toothed bar, for multilevel (more than 2) distraction.



Consisting of:

|                |                              |
|----------------|------------------------------|
| <b>FF901R</b>  | Distractor only              |
| <b>FF907R</b>  | Drill guide                  |
| <b>FF908R</b>  | Twist drill                  |
| <b>FF905SB</b> | 10 distraction screws, 16 mm |
| <b>FF906R</b>  | Screw driver                 |

#### FF907R

CASPAR®

Drill guide for parallel positioning of the distraction screws, to be used with distractor FF901R or FF903R.



#### FF908R

CASPAR®

Drill bit, Ø 1.7 mm  
for pre-drilling holes for distraction screws, drilling depth: 8 mm,  
shank Ø 2.35 mm  
145 mm



#### Recommendation:

FF908R preferably to be used with micro-Line handpiece GD450M and with Aesculap motor system

#### GD450M

micro-Line handpiece, transmission 1:1



## Instruments for vertebral body distraction

### FF890R

#### Set

CASPAR®

Vertebral body distractor, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine.

Please order separately:

#### FF893R

Distractor, like FF891R, but with elongated toothed bar, for multilevel (more than 2) distraction.

Consisting of:

|                |                              |
|----------------|------------------------------|
| <b>FF891R</b>  | Distractor only              |
| <b>FF897R</b>  | Drill guide                  |
| <b>FF908R</b>  | Twist drill                  |
| <b>FF905SB</b> | 10 distraction screws, 16 mm |
| <b>FF906R</b>  | Screw driver                 |



### FF897R

CASPAR®

Drill guide for parallel positioning of the distraction screws, to be used with distractor FF891R or FF893R.



### FF906R

CASPAR®

Screw driver for distraction screws 20 mm



### FF912SB, FF904SB, FF905SB and FF909SB

CASPAR®

Distraction screws to be used with distractors FF901R and FF891R, at least 2 pieces are required.



|                |       |           |
|----------------|-------|-----------|
| <b>FF912SB</b> | 12 mm | 10 pieces |
| <b>FF904SB</b> | 14 mm | 10 pieces |
| <b>FF905SB</b> | 16 mm | 10 pieces |
| <b>FF909SB</b> | 18 mm | 10 pieces |

## B | Ordering Information

### Instruments for vertebral body distraction

#### FW849R

##### Cervical lockable distractor

Lockable vertebral body distractor, for use in surgical procedures from the left approach for C5 through T1/2 and from the right approach for the upper cervical spine. Sleeves with locking mechanism to interlock the distraction screws.



#### FW848R

##### Cervical lockable distractor

Lockable vertebral body distractor, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine. Sleeves with locking mechanism to interlock the distraction screws.



## Instruments for vertebral body distraction

### FW850R

Screw driver for lockable distraction screw



### FW861SU, FW862SU, FW855SU and FW856SU

Lockable standard screws to be used with distractors FW849R and FW848R.



|                |       |          |
|----------------|-------|----------|
| <b>FW861SU</b> | 12 mm | 2 pieces |
| <b>FW862SU</b> | 14 mm | 2 pieces |
| <b>FW855SU</b> | 16 mm | 2 pieces |
| <b>FW856SU</b> | 18 mm | 2 pieces |



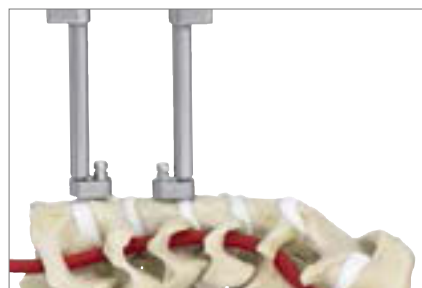
### FW851SU – FW854SU

Lockable off-set screws

Lockable off-set distraction screw providing more in space to the surgical field, even in small anatomical conditions to be used with distractors FW849R and FW848R.



|                |       |          |
|----------------|-------|----------|
| <b>FW851SU</b> | 12 mm | 2 pieces |
| <b>FW852SU</b> | 14 mm | 2 pieces |
| <b>FW853SU</b> | 16 mm | 2 pieces |
| <b>FW854SU</b> | 18 mm | 2 pieces |



## B | Ordering Information

### Instruments for discectomy

#### BB078R

Scalpel Handle  
225 mm

#### BB511

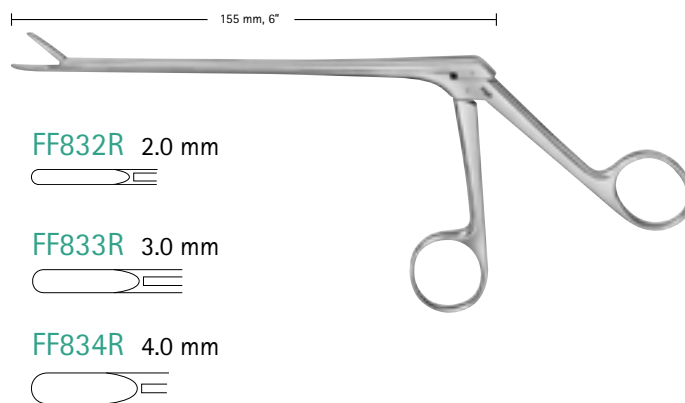
Carbon steel surgical blade, usable for  
incision of intervertebral discs  
(100 pieces)



#### FF832R – FF834R

CASPAR®

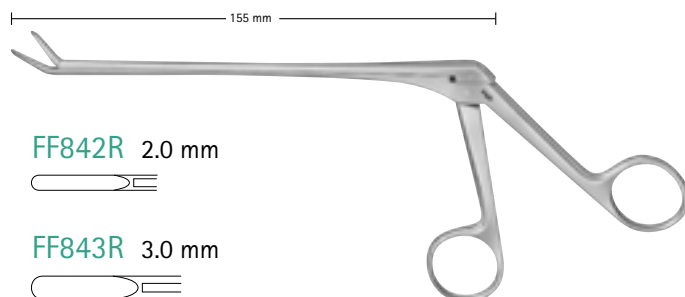
Rongeur, straight, jaw standard  
155 mm



#### FF842R – FF843R

CASPAR®

Rongeur, 150°, jaw standard  
155 mm

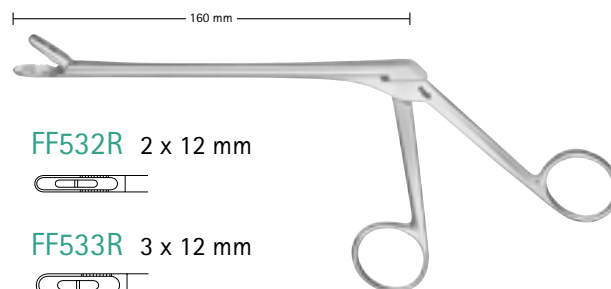


## Instruments for discectomy

### FF532R – FF534R

CASPAR®

Rongeur, straight, jaw serrated  
160 mm



FF532R 2 x 12 mm

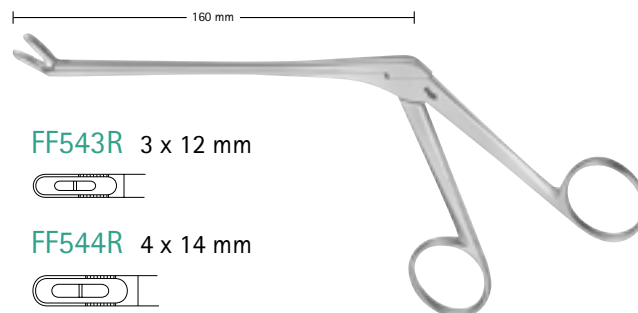
FF533R 3 x 12 mm

FF534R 4 x 14 mm

### FF543R – FF544R

CASPAR®

Rongeur, 150°, jaw serrated  
160 mm



FF543R 3 x 12 mm

FF544R 4 x 14 mm

For the full range of Aesculap rongeurs,  
please ask for:  
C24502



B |

Ordering Information

Instruments for discectomy and preparation of graft site

FK328R

CASPAR®

Longus colli muscle dissector

180 mm



FL101R, FL102R, FL104R

LAMBOTTE

Osteotome, straight

125 mm



FL101R

FL102R

FL104R

4.0 mm

6.0 mm

8.0 mm

F0520R

MARQUARDT

Bone Rongeur, curved

200 mm

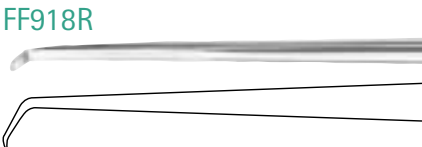
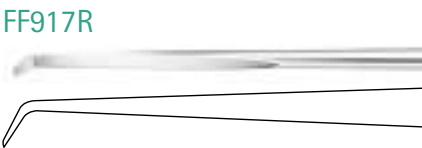


FF917R – FF918R

CASPAR®

Vertebral body dissectors, usable for loosening the posterior longitudinal ligament and removal of disk fragments and osteophytes

205 mm



## Instruments for discectomy and preparation of graft site

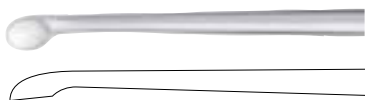
### FK773R – FK785R

CASPAR®

Scoops  
220 mm

### FK773R – FK775R

straight



### FK783R – FK785R

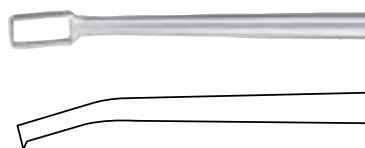
curved



### FK834R – FK836R

CASPAR®

Curretes, toothed  
220 mm



### FK773R

3.6 x 5 mm



### FK774R

4.4 x 6.2 mm



### FK775R

5.2 x 7.3 mm



### FK783R

3.6 x 5 mm



### FK784R

4.4 x 6.2 mm



### FK785R

5.2 x 7.3 mm



### FK834R

4 mm



### FK835R

5 mm



### FK836R

6 mm



## B | Ordering Information

### Preparation of graft site

#### FF310R

CASPAR®

Micro dissector, curved  
200 mm



#### FF305R – FF307R

CASPAR®

Micro dissector, bayonett shaped,  
downwards curved  
250 mm



FF305R 4.5 mm



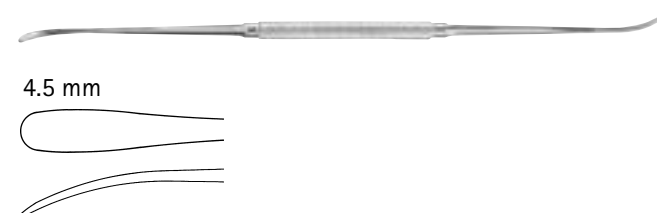
FF307R 2.0 mm



#### FF300R

DAVIS

Dissector, blunt, round handle,  
double ended  
245 mm



#### OL165R

FREER

Elevatorium, blunt/sharp  
185 mm



## Preparation of graft site

### FD396R – FD399R

KRAYENBÜHL

Nerve- and Vessel hooks, probe-end  
185 mm

FD396R



FD397R



FD398R



FD399R



### BT088R – BT091R

CASPAR®

Exploration hooks, probe-end  
245 mm

BT088R



BT089R



BT090R



BT091R



## B | Ordering Information

### Preparation of graft site / microspeed uni – Electric High Speed Motor System

#### GD670

microspeed uni control unit



#### GD675

microspeed uni XS high speed motor  
for all Hi-Line XS, Hi-Line XXS hand-  
pieces



#### GD678

microspeed uni micro motor  
for micro-Line handpieces  
(e.g. GD450M, GB129)



#### GD672

microspeed uni motor cable



#### GD668

microspeed uni foot control – single  
pedal



## Preparation of graft site/HiLAN XS – Pneumatic High Speed Motor System

### GA740R

HiLAN XS high speed motor  
for all Hi-Line XS, Hi-Line XXS  
handpieces



### GA553

microLAN pneumatic motor  
for micro-Line handpieces  
(e.g. GD450M, GB129)



### GA521

Foot pedal



### GA513R

Motor hose (3 m)



### GA464R

Supply hose (3 m) wall connection  
Aesculap Dräger



### GA468R

Supply hose (3 m) wall connection  
Schrader



### GA461R

Supply hose (3 m) wall connection DIN



## B | Ordering Information

### Preparation of graft site/High Speed Tools – For microspeed uni and HiLAN XS



mm/diam.  
II  
III

#### Rosen burrs

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |
| 2.3    | 2.7    | 3.1    | 4.0    | 5.0    | 6.0    |
| GE504R | GE505R | GE506R | GE507R | GE508R | GE509R |
| GE604R | GE605R | GE606R | GE607R | GE608R | GE609R |

#### Diamond burrs

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |
| 2.3    | 2.7    | 3.1    | 4.0    | 5.0    | 6.0    |
| GE514R | GE515R | GE516R | GE517R | GE518R | GE519R |
| GE614R | GE615R | GE616R | GE617R | GE618R | GE619R |

#### coarse

|        |        |         |         |         |
|--------|--------|---------|---------|---------|
|        |        |         |         |         |
| 2.3    | 3.1    | 4.0     | 5.0     | 6.0     |
| GE524R | GE525R | GE556SU | GE557SU | GE558SU |
| GE624R | GE625R | GE656SU | GE657SU | GE658SU |

#### extra coarse

|         |         |         |
|---------|---------|---------|
|         |         |         |
| 4.0     | 5.0     | 6.0     |
| GE556SU | GE557SU | GE558SU |
| GE656SU | GE657SU | GE658SU |

#### Neuro cutters

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |
| 1.8    | 2.3    | 3.1    | 3.1    | 3.1    | 3.1    |
| GE531R | GE534R | GE535R | GE553R | GE554R | GE555R |
| GE631R | GE634R | GE635R | GE653R | GE654R | GE655R |

mm/diam.  
II  
III

## Preparation of graft site/High Speed Tools – For microspeed uni and HiLAN XS



mm/diam.  
II  
III

### Barrel burrs

soft cut



4.0

GE548R  
GE648R



5.0

GE549R  
GE649R



4.0

GE645R

### Barrel burrs

standard



4.0

GE544R  
GE644R



6.0

GE546R  
GE646R

### Cone burrs



4.0

GE540R



6.0

GE542R

### Reverse taper burr coarse diamond



4.0

GE539R  
GE639R

### Oval burr



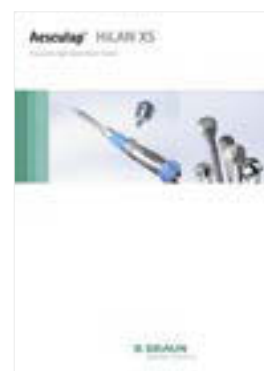
4.0

GE536R

For further details,  
please ask for:  
028302

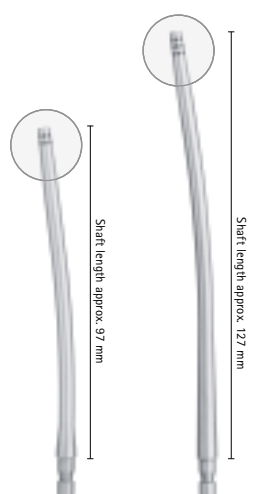


For further details,  
please ask for:  
026002



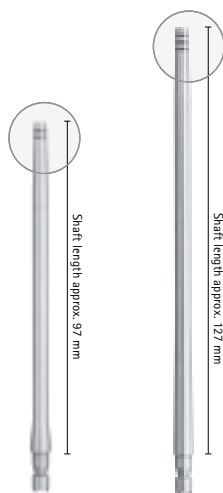
## B | Ordering Information

### Preparation of graft site/High Speed Tools – For microspeed uni and Hi-Line XXS



II GB792R III GB794R

mm / diam.  
II  
III



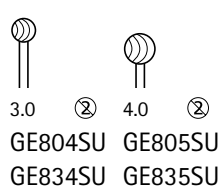
II GB791R III GB793R

mm / diam.  
II  
III



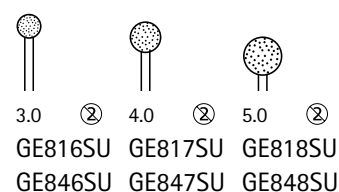
GB790R

#### Rosen burrs



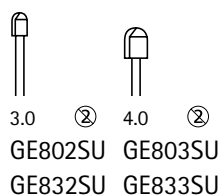
3.0 ② 4.0 ②  
GE804SU GE805SU  
GE834SU GE835SU

#### Round diamond burrs, coarse



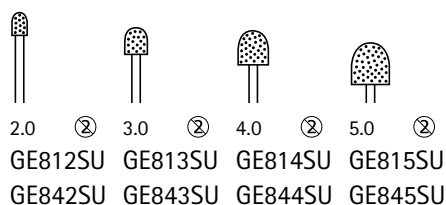
3.0 ② 4.0 ② 5.0 ②  
GE816SU GE817SU GE818SU  
GE846SU GE847SU GE848SU

#### Neuro cutter



3.0 ② 4.0 ②  
GE802SU GE803SU  
GE832SU GE833SU

#### Neuro cutter, coarse diamond



2.0 ② 3.0 ② 4.0 ② 5.0 ②  
GE812SU GE813SU GE814SU GE815SU  
GE842SU GE843SU GE844SU GE845SU



For further details,  
please ask for:  
046502

## Preparation of graft site and decompression

### KERRISION

**Jaw position** 130°, upward opening

shaft length 180 mm

Width  
(mm)

1.0

1.5

2.0

2.5

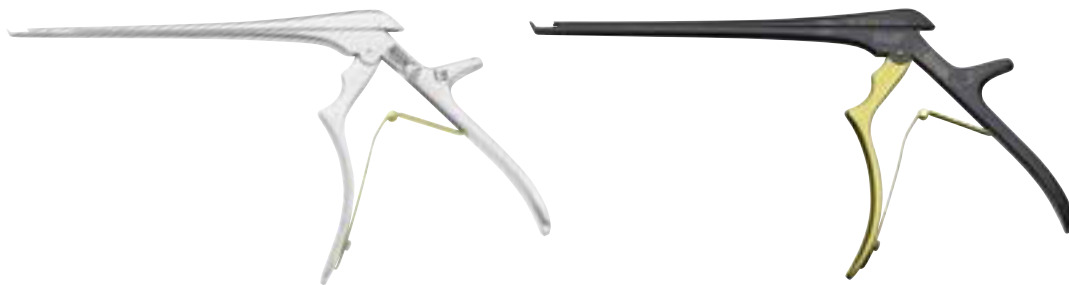
3.0

4.0

5.0

6.0

| Width<br>(mm) | Footplate | Jaw width | Ejector | Detachable | Noir®,<br>detachable |
|---------------|-----------|-----------|---------|------------|----------------------|
| 2.5 mm        | standard  | 10        | ✓       | FK912R     | FK912B               |
| 3.0 mm        | standard  | 10        | ✓       | FK902R     | FK902B               |
| 1.0 mm        | thin      | 8         | —       | FK906R     | FK906B               |
| 1.5 mm        | thin      | 9         | —       | FK923R     | FK923B               |
| 2.0 mm        | thin      | 9         | ✓       | FK907R     | FK907B               |
| 2.5 mm        | thin      | 10        | ✓       | FK924R     | FK924B               |
| 3.0 mm        | thin      | 10        | ✓       | FK908R     | FK908B               |



For further details,  
please ask for:  
084802

# B | Ordering Information

OPTIONAL:  
Instruments for bone  
graft harvesting

## Bone graft harvesting and impaction of bone graft

### AA845R

Caliper, for measurement of the bone graft and graft site until 150 mm, 220 mm



### GC640R – GC646R

Oscillating double saw blades for harvesting of precisely dimensioned fusion grafts from the iliac crest (for vertical cutting). To be used with sagittal saw GB129.



|        |       |
|--------|-------|
| GC640R | 6 mm  |
| GC641R | 7 mm  |
| GC642R | 8 mm  |
| GC643R | 9 mm  |
| GC644R | 10 mm |
| GC645R | 11 mm |
| GC646R | 12 mm |

### GB129

micro-Line sagittal saw, to be used with Aesculap motor system microspeed uni



## Bone graft harvesting and impaction of bone graft

**OPTIONAL:**  
CASPAR® instruments for  
bone graft harvesting

### FF927R – FF928R

#### FF927R

CASPAR®

Graft cutter with adjustable depth control,  
10 mm width, for graft from 9 – 12 mm  
220 mm



#### FF928R

CASPAR®

Graft cutter with adjustable depth control,  
7 mm width, for graft from 6 – 9 mm  
220 mm

### FF911R

CASPAR®

Bone graft holder and impactor  
220 mm



### FF913R – FF915R

CASPAR®

Tapper for the fine positioning of the  
graft and for cancellous bone plasty  
200 mm



#### FF913R

ø 3 mm



#### FF914R

ø 5 mm



#### FF915R

ø 8 mm



# C | Ordering Information – Set configurations

## CCR System (CASPAR® Cervical Retractor System)

### BW124

CCR retractor set  
24 mm titanium blade system



| Art. No. | Unit | Description                                  |
|----------|------|----------------------------------------------|
| BW125P   | 1    | CCR tray, with lid                           |
| BW049R   | 1    | CCR basic retractor                          |
| BW047R   | 1    | CCR counter retractor                        |
| BW048R   | 1    | CCR counter retractor                        |
| BW010R   | 2    | Handle                                       |
| BW011P   | 1    | Depth gauge                                  |
| BW141T   | 1    | CCR blade, small teeth (lateral), 24 x 30 mm |
| BW142T   | 1    | CCR blade, small teeth (lateral), 24 x 35 mm |
| BW143T   | 1    | CCR blade, small teeth (lateral), 24 x 40 mm |
| BW144T   | 1    | CCR blade, small teeth (lateral), 24 x 45 mm |
| BW145T   | 1    | CCR blade, small teeth (lateral), 24 x 50 mm |
| BW146T   | 1    | CCR blade, small teeth (lateral), 24 x 55 mm |
| BW147T   | 1    | CCR blade, small teeth (lateral), 24 x 60 mm |
| BW148T   | 1    | CCR blade, small teeth (lateral), 24 x 65 mm |
| BW149T   | 1    | CCR blade, small teeth (lateral), 24 x 70 mm |
| BW151T   | 1    | CCR blade, large teeth (medial), 24 x 30 mm  |
| BW152T   | 1    | CCR blade, large teeth (medial), 24 x 35 mm  |

| Art. No. | Unit | Description                                 |
|----------|------|---------------------------------------------|
| BW153T   | 1    | CCR blade, large teeth (medial), 24 x 40 mm |
| BW154T   | 1    | CCR blade, large teeth (medial), 24 x 45 mm |
| BW155T   | 1    | CCR blade, large teeth (medial), 24 x 50 mm |
| BW156T   | 1    | CCR blade, large teeth (medial), 24 x 55 mm |
| BW157T   | 1    | CCR blade, large teeth (medial), 24 x 60 mm |
| BW158T   | 1    | CCR blade, large teeth (medial), 24 x 65 mm |
| BW159T   | 1    | CCR blade, large teeth (medial), 24 x 70 mm |
| BW162T   | 1    | CCR blade, blunt (longitudinal), 24 x 35 mm |
| BW163T   | 1    | CCR blade, blunt (longitudinal), 24 x 40 mm |
| BW164T   | 1    | CCR blade, blunt (longitudinal), 24 x 45 mm |
| BW165T   | 1    | CCR blade, blunt (longitudinal), 24 x 50 mm |
| BW166T   | 1    | CCR blade, blunt (longitudinal), 24 x 55 mm |
| BW167T   | 1    | CCR blade, blunt (longitudinal), 24 x 60 mm |
| BW168T   | 1    | CCR blade, blunt (longitudinal), 24 x 65 mm |
| BW169T   | 1    | CCR blade, blunt (longitudinal), 24 x 70 mm |
| BW170T   | 1    | CCR blade, blunt (longitudinal), 24 x 75 mm |

### BW123

CCR basic counter retractor set  
24 mm titanium system

| Art. No. | Units | Description                                 |
|----------|-------|---------------------------------------------|
| BW047R   | 1     | CCR counter retractor                       |
| BW164T   | 1     | CCR blade, blunt (longitudinal), 24 x 45 mm |
| BW165T   | 1     | CCR blade, blunt (longitudinal), 24 x 50 mm |

| Art. No. | Units | Description                                 |
|----------|-------|---------------------------------------------|
| BW166T   | 1     | CCR blade, blunt (longitudinal), 24 x 55 mm |
| BW167T   | 1     | CCR blade, blunt (longitudinal), 24 x 60 mm |
| BW168T   | 1     | CCR blade, blunt (longitudinal), 24 x 65 mm |

## CCR System (CASPAR® Cervical Retractor System)

### BW119

CCR retractor set  
19 mm titanium blade system  
for microsurgical techniques



| Art. No. | Units | Description                                     |
|----------|-------|-------------------------------------------------|
| BW125P   | 1     | CCR tray, with lid                              |
| BW049R   | 1     | CCR basic retractor                             |
| BW047R   | 1     | CCR counter retractor                           |
| BW048R   | 1     | CCR counter retractor                           |
| BW010R   | 2     | Handle                                          |
| BW011P   | 1     | Depth gauge                                     |
| BW050T   | 2     | CCR blade, toothed (medial/lateral), 19 x 25 mm |
| BW051T   | 2     | CCR blade, toothed (medial/lateral), 19 x 30 mm |
| BW052T   | 2     | CCR blade, toothed (medial/lateral), 19 x 35 mm |
| BW053T   | 2     | CCR blade, toothed (medial/lateral), 19 x 40 mm |
| BW054T   | 2     | CCR blade, toothed (medial/lateral), 19 x 45 mm |

| Art. No. | Units | Description                                     |
|----------|-------|-------------------------------------------------|
| BW055T   | 2     | CCR blade, toothed (medial/lateral), 19 x 50 mm |
| BW056T   | 2     | CCR blade, toothed (medial/lateral), 19 x 55 mm |
| BW057T   | 2     | CCR blade, toothed (medial/lateral), 19 x 60 mm |
| BW060T   | 1     | CCR blade, blunt (longitudinal), 19 x 25 mm     |
| BW061T   | 1     | CCR blade, blunt (longitudinal), 19 x 30 mm     |
| BW062T   | 1     | CCR blade, blunt (longitudinal), 19 x 35 mm     |
| BW063T   | 1     | CCR blade, blunt (longitudinal), 19 x 40 mm     |
| BW064T   | 1     | CCR blade, blunt (longitudinal), 19 x 45 mm     |
| BW065T   | 1     | CCR blade, blunt (longitudinal), 19 x 50 mm     |
| BW066T   | 1     | CCR blade, blunt (longitudinal), 19 x 55 mm     |
| BW067T   | 1     | CCR blade, blunt (longitudinal), 19 x 60 mm     |

### BW122

CCR basic retractor set  
24 mm titanium system

| Art. No. | Units | Description                                  |
|----------|-------|----------------------------------------------|
| BW049R   | 1     | CCR basic retractor                          |
| BW010R   | 2     | Handle                                       |
| BW143T   | 1     | CCR blade, small teeth (lateral), 24 x 40 mm |
| BW144T   | 1     | CCR blade, small teeth (lateral), 24 x 45 mm |
| BW145T   | 1     | CCR blade, small teeth (lateral), 24 x 50 mm |
| BW146T   | 1     | CCR blade, small teeth (lateral), 24 x 55 mm |

| Art. No. | Units | Description                                  |
|----------|-------|----------------------------------------------|
| BW147T   | 1     | CCR blade, small teeth (lateral), 24 x 60 mm |
| BW153T   | 1     | CCR blade, large teeth (medial), 24 x 40 mm  |
| BW154T   | 1     | CCR blade, large teeth (medial), 24 x 45 mm  |
| BW155T   | 1     | CCR blade, large teeth (medial), 24 x 50 mm  |
| BW156T   | 1     | CCR blade, large teeth (medial), 24 x 55 mm  |
| BW157T   | 1     | CCR blade, large teeth (medial), 24 x 60 mm  |

# C | Ordering Information – Set configurations

## CCR System (CASPAR® Cervical Retractor System)

### BW118

CCR-XX radiolucent retractor set



| Art. No. | Units | Description                                     |
|----------|-------|-------------------------------------------------|
| BW125P   | 1     | Tray with lid                                   |
| BW139R   | 1     | CCR radiolucent basic retractor                 |
| BW137R   | 1     | CCR radiolucent basic counter retractor         |
| BW010R   | 2     | Handle                                          |
| BW011P   | 1     | Depth gauge                                     |
| BW251P   | 2     | CCR blade, toothed (medial/lateral), 19 x 30 mm |
| BW252P   | 2     | CCR blade, toothed (medial/lateral), 19 x 35 mm |
| BW253P   | 2     | CCR blade, toothed (medial/lateral), 19 x 40 mm |
| BW254P   | 2     | CCR blade, toothed (medial/lateral), 19 x 45 mm |
| BW255P   | 2     | CCR blade, toothed (medial/lateral), 19 x 50 mm |
| BW256P   | 2     | CCR blade, toothed (medial/lateral), 19 x 55 mm |
| BW257P   | 2     | CCR blade, toothed (medial/lateral), 19 x 60 mm |
| BW258P   | 2     | CCR blade, toothed (medial/lateral), 19 x 65 mm |
| BW259P   | 2     | CCR blade, toothed (medial/lateral), 19 x 70 mm |

| Art. No. | Units | Description                                 |
|----------|-------|---------------------------------------------|
| BW261P   | 2     | CCR blade, blunt (longitudinal), 19 x 30 mm |
| BW262P   | 2     | CCR blade, blunt (longitudinal), 19 x 35 mm |
| BW263P   | 2     | CCR blade, blunt (longitudinal), 19 x 40 mm |
| BW264P   | 2     | CCR blade, blunt (longitudinal), 19 x 45 mm |
| BW265P   | 2     | CCR blade, blunt (longitudinal), 19 x 50 mm |
| BW266P   | 2     | CCR blade, blunt (longitudinal), 19 x 55 mm |
| BW267P   | 2     | CCR blade, blunt (longitudinal), 19 x 60 mm |
| BW268P   | 2     | CCR blade, blunt (longitudinal), 19 x 65 mm |
| BW269P   | 2     | CCR blade, blunt (longitudinal), 19 x 70 mm |

## Vertebral body distraction

CASPAR® distractor



| Art. No.                    | Units | Description                                                                                                                                                                                                                                                                                                  |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FF890R</b>               | 1     | Vertebral body distractor complete for approach from the right to C5-Th1 respectively the approach of the left C2-C5, consisting of:<br>FF891R Distractor<br>FF897R Drill guide<br>FF908R Drill with drill stop<br>FF905SB Distraction screw (10 pieces), 16 mm<br>FF906R Screw driver for distraction screw |
| <b>FF893R</b>               | 1     | Distractor like FF891R, but with elongated distraction arm                                                                                                                                                                                                                                                   |
| <b>or:</b><br><b>FF900R</b> | 1     | Vertebral body distractor complete for approach from the left to C5-Th1 respectively the approach of the right C2-C5, consisting of:<br>FF901R Distractor<br>FF907R Drill guide<br>FF908R Drill with drill stop<br>FF905SB Distraction screw (10 pieces), 16 mm<br>FF906R Screw driver for distraction screw |
| <b>or:</b><br><b>FF903R</b> | 1     | Distractor like FF901R, but with elongated distraction arm                                                                                                                                                                                                                                                   |
| <b>FF912SB</b>              | 1     | Distraction screws (10 pieces), 12 mm                                                                                                                                                                                                                                                                        |
| <b>FF904SB</b>              | 1     | Distraction screws (10 pieces), 14 mm                                                                                                                                                                                                                                                                        |
| <b>FF905SB</b>              | 1     | Distraction screws (10 pieces), 16 mm                                                                                                                                                                                                                                                                        |
| <b>FF909SB</b>              | 1     | Distraction screws (10 pieces), 18 mm                                                                                                                                                                                                                                                                        |
| <b>FF906R</b>               | 1     | Screw driver for distraction screw                                                                                                                                                                                                                                                                           |
| <b>FF917R</b>               | 1     | Vertebral body dissector                                                                                                                                                                                                                                                                                     |
| <b>FF918R</b>               | 1     | Vertebral body dissector, toothed                                                                                                                                                                                                                                                                            |

Alternatively:  
Cervical lockable  
distractor



| Art. No.                    | Units | Description                                                                                                                                                                                                                                                                 |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FW849R</b>               | 1     | Cervical lockable distractor<br>Lockable vertebral body distractor, for use in surgical procedures from the left approach for C5 through T1/2 and from the right approach for the upper cervical spine. Sleeves with locking mechanism to interlock the distraction screws. |
| <b>or:</b><br><b>FW848R</b> | 1     | Cervical lockable distractor<br>Lockable vertebral body distractor, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine. Sleeves with locking mechanism to interlock the distraction screws. |
| <b>FW851SU</b>              | 5     | Lockable off-set screws (2 pieces), 12 mm                                                                                                                                                                                                                                   |
| <b>FW852SU</b>              | 5     | Lockable off-set screws (2 pieces), 14 mm                                                                                                                                                                                                                                   |
| <b>FW853SU</b>              | 5     | Lockable off-set screws (2 pieces), 16 mm                                                                                                                                                                                                                                   |
| <b>FW854SU</b>              | 5     | Lockable off-set screws (2 pieces), 18 mm                                                                                                                                                                                                                                   |
| <b>FW850R</b>               | 1     | Screw driver for lockable distraction screw                                                                                                                                                                                                                                 |
| <b>FF917R</b>               | 1     | Vertebral body dissector                                                                                                                                                                                                                                                    |
| <b>FF918R</b>               | 1     | Vertebral body dissector, toothed                                                                                                                                                                                                                                           |

# C | Ordering Information – Set configurations

COMPLEMENTARY SET

## Graft harvesting and graft insertion

| Art. No.                     | Units                   | Description                                                                                                                                                                  |
|------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BV764R                       | 2                       | Blades for graft harvesting at iliac crest, 50 x 25 mm to be used with BW047R, BW048 or BW049R                                                                               |
| BV766R                       | 2                       | Blades for graft harvesting at iliac crest, 60 x 25 mm to be used with BW047R, BW048 or BW049R                                                                               |
| AA845R                       | 1                       | Calliper                                                                                                                                                                     |
| GC640R –<br>GC646R           | each<br>1x              | Oscillating saw blade, height of 6 – 12 mm, range of length according the user                                                                                               |
| GB129                        | 1                       | Oscillating saw handpiece with key (TE472) for changing the saw blades                                                                                                       |
| FF928R                       | 1                       | Graft cutter, 7 mm width of jaw                                                                                                                                              |
| FF927R                       | 1                       | Graft cutter, 10 mm width of jaw, for bone graft 9 – 12 mm                                                                                                                   |
| FF911R                       | 1                       | Graft holder and impactor                                                                                                                                                    |
| FF913R                       | 1                       | Tappet, Ø 3 mm                                                                                                                                                               |
| FF914R                       | 1                       | Tappet, Ø 5 mm                                                                                                                                                               |
| FF915R                       | 1                       | Tappet, Ø 8 mm                                                                                                                                                               |
| select<br>on page<br>23 – 26 | select<br>quan-<br>tity | Drills and burs for precise preparation of the bone graft, to be used with either the micro-Line handpiece or Hi-Line XS or XXS handpiece, range of sizes according the user |
| FK773R                       | 1                       | Scoop, straight, size of jaw 3.6 x 5 mm                                                                                                                                      |
| FK774R                       | 1                       | Scoop, straight, size of jaw 4.4 x 6.2 mm                                                                                                                                    |
| FK775R                       | 1                       | Scoop, straight, size of jaw 5.2 x 7.3 mm                                                                                                                                    |
| FK783R                       | 1                       | Scoop, curved, size of jaw 3.6 x 5 mm                                                                                                                                        |
| FK784R                       | 1                       | Scoop, curved, size of jaw 4.4 x 6.2 mm                                                                                                                                      |
| FK785R                       | 1                       | Scoop, curved, size of jaw 5.2 x 7.3 mm                                                                                                                                      |
| FK834R                       | 1                       | Curettes, square shaped jaw, toothed, 4 mm                                                                                                                                   |
| FK835R                       | 1                       | Curettes, square shaped jaw, toothed, 5 mm                                                                                                                                   |
| FK836R                       | 1                       | Curettes, square shaped jaw, toothed, 6 mm                                                                                                                                   |
| JF213R                       | 2                       | Perforated basket 485 x 253 x 76 mm                                                                                                                                          |
| JF945                        | 4                       | Silicone pad                                                                                                                                                                 |

## Further Aesculap brochures



**036602**  
CCR-XX



**011202**  
CCR System Titanium



**C24502**  
Detachable Rongeurs



**C84802**  
Bone Punches



**028302**  
microspeed uni



**026002**  
HiLAN XS



**046502**  
Hi-Line XXS



**013502**  
CASPARevolution



**029002**  
ABC2®



**078002**  
Quintex®



**016202**  
CeSPACE® Titanium / PEEK



**071002**  
CeSPACE®XP



**031202**  
activC®



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Aesculap – a B. Braun company

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Brochure No. 043202

0714/1/1



# Basis - Size 1/1

## Container bodies

**without** base perforation = JK

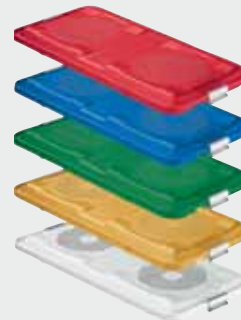


**with** base perforation = JN



## Lids for individual color combination

Inner lid



Outer lid



|  |  | Outside dimensions<br>Length x Width x Height (mm) |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|
| JK440                                                                              | JN440                                                                              | 592 x 274 x 90                                     |
| JK441                                                                              | JN441                                                                              | 592 x 274 x 120                                    |
| JK442                                                                              | JN442                                                                              | 592 x 274 x 135                                    |
| JK444                                                                              | JN444                                                                              | 592 x 274 x 187                                    |
| JK446                                                                              | JN446                                                                              | 592 x 274 x 247                                    |

|  | Color  |  | Color  |
|------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|--------|
| JK485                                                                              | red    | JK475A                                                                               | red    |
| JK486                                                                              | blue   | JK476A                                                                               | blue   |
| JK487                                                                              | green  | JK477A                                                                               | green  |
| JK488                                                                              | gold   | JK478A                                                                               | gold   |
| <b>JK489</b>                                                                       | silver | JK479A                                                                               | silver |

## Dimensions complete - Length x Width x Height (mm)

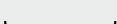
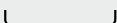
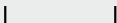
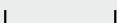
|  | Outside dimensions<br>Inside dimensions   | Outside dimensions<br>Inside dimensions |  | Outside dimensions<br>Inside dimensions | Outside dimensions<br>Inside dimensions |
|-------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Body 1/1                                                                            | with inner lid                            | with outer lid                          | Body 1/1                                                                            | with inner lid                          | with outer lid                          |
| JK440                                                                               | 592 x 285 x 108<br>544 x 258 x 75         | 592 x 291 x 115<br>544 x 258 x 75       | JN440                                                                               | 592 x 285 x 108<br>544 x 258 x 63       | 592 x 291 x 115<br>544 x 258 x 63       |
| JK441                                                                               | 592 x 285 x 138<br>544 x 258 x 105        | 592 x 291 x 145<br>544 x 258 x 105      | JN441                                                                               | 592 x 285 x 138<br>544 x 258 x 93       | 592 x 291 x 145<br>544 x 258 x 93       |
| <b>JK442</b>                                                                        | <b>592 x 285 x 153</b><br>544 x 258 x 120 | 592 x 291 x 160<br>544 x 258 x 120      | JN442                                                                               | 592 x 285 x 153<br>544 x 258 x 108      | 592 x 291 x 160<br>544 x 258 x 108      |
| JK444                                                                               | 592 x 285 x 205<br>544 x 258 x 172        | 592 x 291 x 212<br>544 x 258 x 172      | JN444                                                                               | 592 x 285 x 205<br>544 x 258 x 160      | 592 x 291 x 212<br>544 x 258 x 160      |
| JK446                                                                               | 592 x 285 x 265<br>544 x 258 x 232        | 592 x 291 x 272<br>544 x 258 x 232      | JN446                                                                               | 592 x 285 x 265<br>544 x 258 x 220      | 592 x 291 x 272<br>544 x 258 x 220      |

All dimensions: Length x Width x Height (mm)



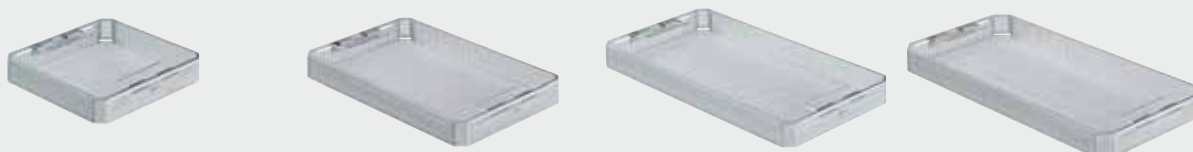
## Basket **with** feet

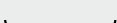
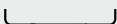
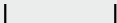
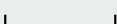


|                                                                                        |  | Outside dim.<br>Inside dim.       |  | Outside dim.<br>Inside dim.       |  | Outside dim.<br>Inside dim.       |  | Outside dim.<br>Inside dim.       |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|
|  36    | JF111R                                                                            | 243 x 253 x 36<br>241 x 251 x 22  | JF251R                                                                            | 406 x 253 x 36<br>404 x 251 x 22  | JF211R                                                                            | 485 x 253 x 36<br>483 x 251 x 22  | JF221R                                                                              | 540 x 253 x 36<br>538 x 251 x 22  |
|  56    | JF112R                                                                            | 243 x 253 x 56<br>241 x 251 x 42  | JF252R                                                                            | 406 x 253 x 56<br>404 x 251 x 42  | JF212R                                                                            | 485 x 253 x 56<br>483 x 251 x 42  | JF222R                                                                              | 540 x 253 x 56<br>538 x 251 x 42  |
|  76  | JF113R                                                                            | 243 x 253 x 76<br>241 x 251 x 62  | JF253R                                                                            | 406 x 253 x 76<br>404 x 251 x 62  | JF213R                                                                            | 485 x 253 x 76<br>483 x 251 x 62  | <b>JF223R</b>                                                                       | 540 x 253 x 76<br>538 x 251 x 62  |
|  106 | JF114R                                                                            | 243 x 253 x 106<br>241 x 251 x 92 | JF254R                                                                            | 406 x 253 x 106<br>404 x 251 x 92 | JF214R                                                                            | 485 x 253 x 106<br>483 x 251 x 92 | JF224R                                                                              | 540 x 253 x 106<br>538 x 251 x 92 |

Instrument baskets

## Basket **without** feet



|                                                                                       |  | Outside dim.<br>Inside dim.      |  | Outside dim.<br>Inside dim.      |  | Outside dim.<br>Inside dim.      |  | Outside dim.<br>Inside dim.      |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|----------------------------------|
|  24 | JG111R                                                                              | 243 x 253 x 24<br>241 x 251 x 22 | JG251R                                                                              | 406 x 253 x 24<br>404 x 251 x 22 | JG211R                                                                              | 485 x 253 x 24<br>483 x 251 x 22 | JG221R                                                                                | 540 x 253 x 24<br>538 x 251 x 22 |
|  44 | JG112R                                                                              | 243 x 253 x 44<br>241 x 251 x 42 | JG252R                                                                              | 406 x 253 x 44<br>404 x 251 x 42 | JG212R                                                                              | 485 x 253 x 44<br>483 x 251 x 42 | JG222R                                                                                | 540 x 253 x 44<br>538 x 251 x 42 |
|  64 | JG113R                                                                              | 243 x 253 x 64<br>241 x 251 x 62 | JG253R                                                                              | 406 x 253 x 64<br>404 x 251 x 62 | JG213R                                                                              | 485 x 253 x 64<br>483 x 251 x 62 | JG223R                                                                                | 540 x 253 x 64<br>538 x 251 x 62 |
|  94 | JG114R                                                                              | 243 x 253 x 94<br>241 x 251 x 92 | JG254R                                                                              | 406 x 253 x 94<br>404 x 251 x 92 | JG214R                                                                              | 485 x 253 x 94<br>483 x 251 x 92 | JG224R                                                                                | 540 x 253 x 94<br>538 x 251 x 92 |

All dimensions: Length x Width x Height (mm)

Reusable filters



|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
|  | Outside dim. |
| JK090                                                                             | Ø 190        |

Aesculap reusable filter, round  
for use in up to 1,000 cleaning and  
sterilization cycles.  
*Order unit (PAK): Pack of 10*



|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
|  | Outside dim. |
| JK089                                                                             | 225 x 225    |

Aesculap reusable filter, square  
for legacy Standard containers, service life  
1,000 cleaning and sterilization cycles.  
*Order unit (PAK): Pack of 10*



|                                                                                     |              |
|-------------------------------------------------------------------------------------|--------------|
|  | Outside dim. |
|  |              |
| JK091                                                                               | 95 x 215     |

Aesculap reusable filter  
for Mini and Dental containers with filter  
holder JK098, service life 1,000 cleaning and  
sterilization cycles.  
*Order unit (PAK): Pack of 2*



|                                                                                     |              |
|-------------------------------------------------------------------------------------|--------------|
|  | Outside dim. |
| JK092                                                                               | 171 x 231    |

Aesculap reusable filter  
for Dental containers without filter  
holder JK098, service life 1,000 cleaning  
and sterilization cycles.  
*Order unit (PAK): Pack of 2*

Marking pens



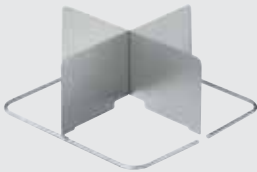
|       |  |
|-------|--|
|       |  |
| JK086 |  |

Marking pen for Aesculap  
reusable filters  
*Order unit (PAK): Pack of 3*

All dimensions: Length x Width x Height (mm)



## Stenter frames



JF707R

Height

110

Stenter frame with division  
the swabs and compresses.



JF704R

Height

220

Stenter frame with division  
the swabs and compresses.

## Identification labels



**JG785B**

red

JG786B

blue

JG787B

green

JG788B

gold

JG790B

black

JG792B

olive-brown

JG793B

violet

JG794B

orange

Identification labels with lettering one line  
(character height 6 mm) or two lines (character  
height 5 mm), up to 13 characters per line.

Dimensions: 56 x 18 mm

for all Standard containers except JK299, JK309 and JK339

*Note: Process aluminum identification labels with  
pH-neutral cleaning agent.*



JG785U

red

JG786U

blue

JG787U

green

JG788U

gold

JG790U

black

JG792U

olive-brown

JG793U

violet

JG794U

orange

Identification labels without lettering

Specifications as above

*Note: Process aluminum identification labels with  
pH-neutral cleaning agent.*

