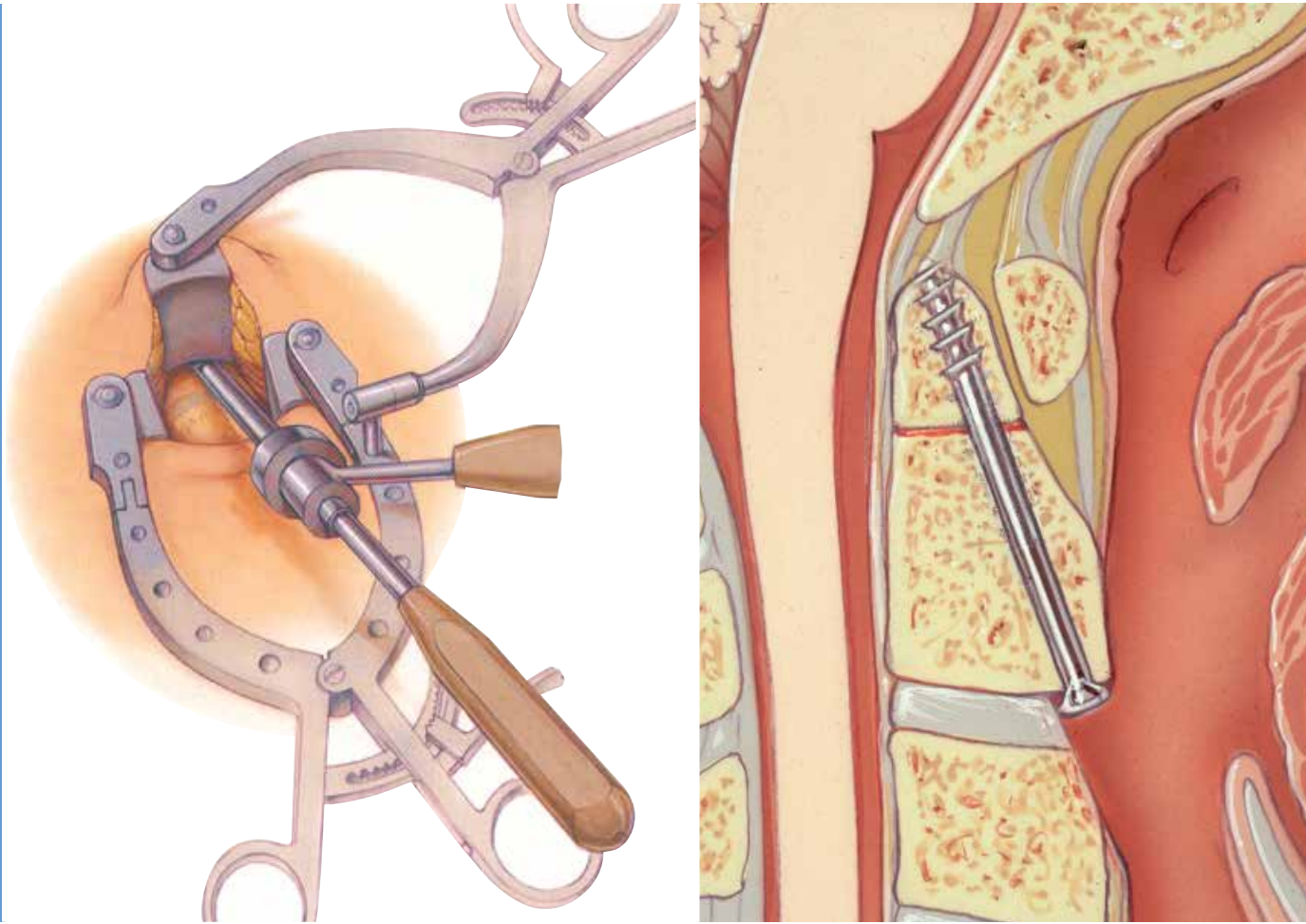


Apfelbaum Odontoid Instrumentation

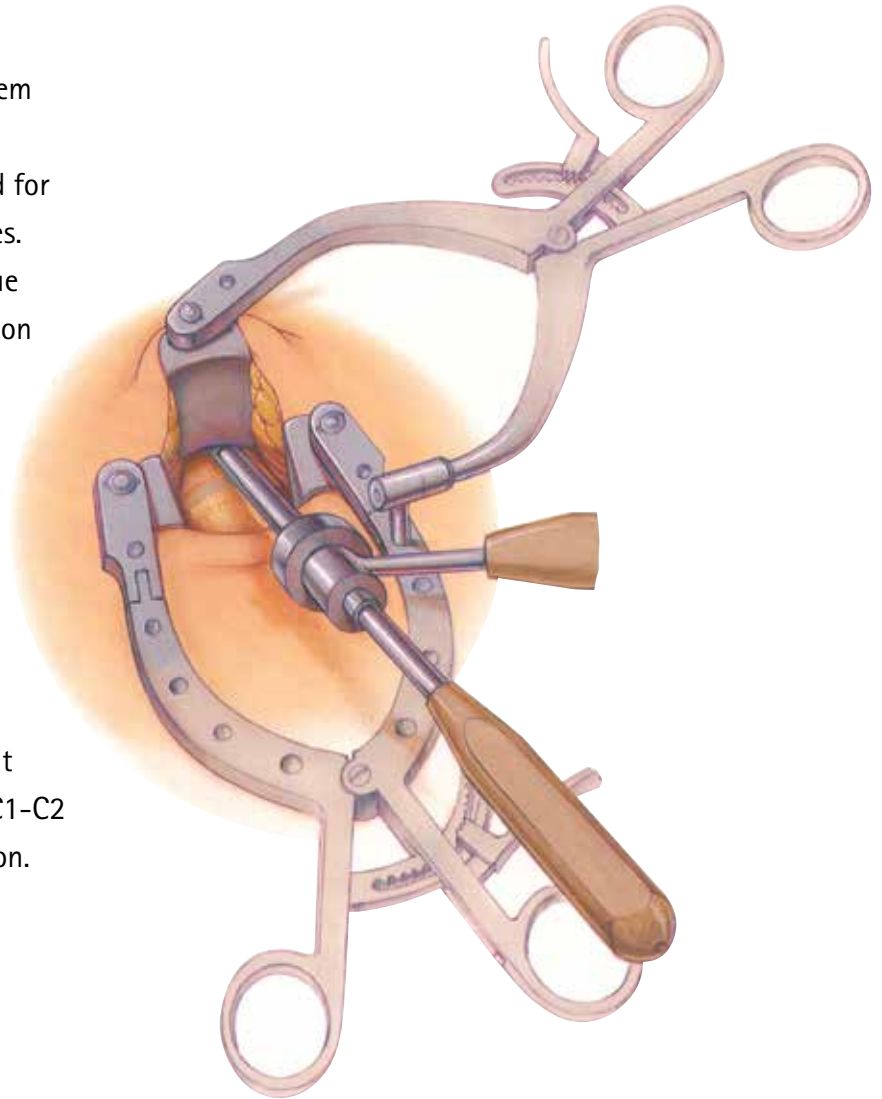


Aesculap Spine

Apfelbaum Odontoid Instrumentation

Anterior Odontoid Fixation

The Apfelbaum Odontoid Instrument System provides an excellent alternative to the traditional external fixation methods used for the treatment of Type II odontoid fractures. The advantage of the Apfelbaum technique lies in the full preservation of C1-C2 motion through minimal surgical trauma. A specialized retractor system reduces the approach to a small working canal through which instruments can safely be inserted and directed to the target area via a unique system of guide tubes. The guide tube system is fixed to the surface of the C3 vertebrae by gentle impaction of spikes into the vertebrae, thereby making it easier for the surgeon to manipulate the C1-C2 relationship prior to achieving final fixation.



Apfelbaum Odontoid Instrumentation

CCR Retractor

Item No.	Description
BW079R	Cervical Soft Tissue Retractor, Side Loading



BV739R	Counter retractor (to be used with BW079R)
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CCR Fenestrated Titanium Blades

Item No.	Description
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Blades to be used with BW079R

BW153T	Medial Blade, 24 mm x 40 mm
BW154T	Medial Blade, 24 mm x 45 mm
BW155T	Medial Blade, 24 mm x 50 mm
BW156T	Medial Blade, 24 mm x 55 mm
BW157T	Medial Blade, 24 mm x 60 mm



CCR Stainless Steel Blades

Item No.	Description
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Blades to be used with BW079R

BW353R	Medial Blade, 24 x 40 mm
BW354R	Medial Blade, 24 x 45 mm
BW355R	Medial Blade, 24 x 50 mm
BW356R	Medial Blade, 24 x 55 mm
BW357R	Medial Blade, 24 x 60 mm



Apfelbaum Titanium Blades

Item No.	Description
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Blades to be used with BV739R

BV741T	Angled Blade, 67 mm x 38.5 mm
BV742T	Angled Blade, 77 mm x 38.5 mm
BV743T	Angled Blade, 67 mm x 30 mm
BV744T	Angled Blade, 77 mm x 30 mm
BV745T	Angled Blade, 67 mm x 56.5 mm
BV746T	Angled Blade, 77 mm x 56.5 mm



Instrumentation

Item No.	Description
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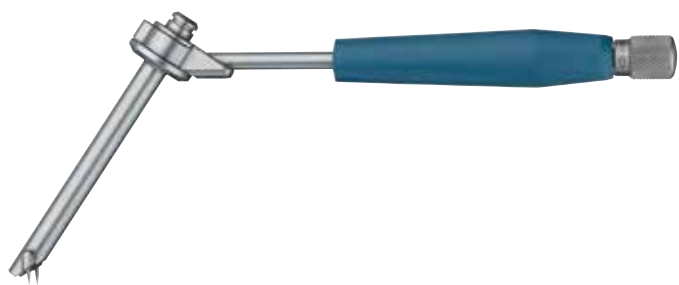
BW010R	Blade Handle
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BV399R	Blade Ejector
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FJ962R	Outer Sleeve Guide
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FJ963R	Inner Sleeve Guide (to be used in FJ962R)
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FJ964P	Impactor for FJ962R
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FJ965R	Hollow Core Drill, 7.0 mm
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FJ967R	Tap
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FJ969R	Self-retaining Screwdriver, 2.5 mm
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FJ968R	Removal/Angled Screwdriver
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Apfelbaum Odontoid Instrumentation

Instrumentation

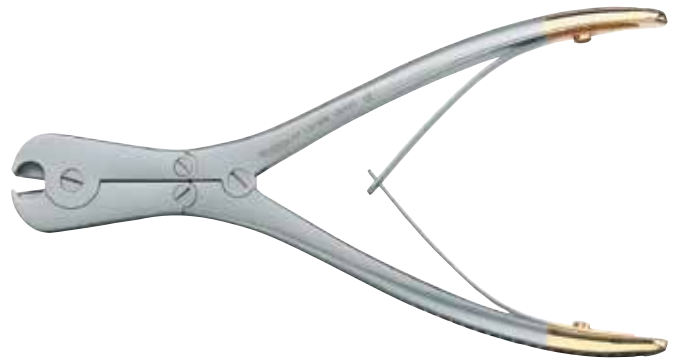
Item No.	Description
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LX156R	Wire Cutting Pliers/Soft - 3 mm and Hard - 2.2 mm
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LX182R	Wire Extraction Pliers Short Tapered, 180 mm
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LX158R	Wire Cutter
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LX159R	Wire Cutter
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FL036R	Mallet Remove - Discs 135 g, 25 mm x 184 mm
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FL037	Set of spare nylon inserts for FL036R
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Disposables

Item No. | Description

LX040S | K-Wire Trocar Round, 310 x 2.0 mm (10-pack)



LX040SE | K-Wire Trocar Round, 310 x 2.0 mm (1 each)



FJ976R | Dental Drill Bit, 3.0 mm



FJ966R | Round Drill Bit, 3.0 mm



Trays

Item No. | Description

ME191 | Apfelbaum Odontoid Fixation System - Base

ME192 | Apfelbaum Odontoid Fixation System - Lid

ME193 | Apfelbaum Odontoid Fixation System - Lower Tray

ME194 | Apfelbaum Odontoid Fixation System - Upper Tray

ME195 | Apfelbaum Odontoid Fixation System - 4.0 mm
Screw Caddy

ME196 | Apfelbaum Odontoid Fixation System - 24 mm
Medial Retractor Caddy

Recommended Drills

Item No. | Description

GB111 | Angular Micro Hand Piece (4:1)* for Dental Drill Bits

GB119 | Angular Head (2:1)* for Dental Drill Bits



GD450R | Straight Micro Hand Piece (1:1) for 2.35 mm Round
Drill Bits*



*Compatible with Aesculap Power Systems and must be ordered separately

Apfelbaum Odontoid Instrumentation

Apfelbaum Odontoid Fixation Implants

Odontoid fractures account for 10-15% of overall cervical spine fractures. Fractures in younger patients usually occur in low energy trauma such as ground falls. The Aesculap Implant Systems Fixation System is an instrument and implant that facilitates the anterior approach to the second cervical vertebra and allows the reduction and direct screw fixation of odontoid fractures using titanium alloy screws. The titanium screws are specifically indicated and designed for the fracture fixation of small bones and bone fragments including odontoid fractures to work directly with the Apfelbaum Odontoid Instrumentation. The titanium forged alloy, Ti6Al4V, screws are ISO5832-3. The odontoid screw implants are offered in a wide range of sizes to meet the anatomical needs of the fracture reduction.

Features

- Primary screw
- 2.5 mm hexagonal head
- 4.0 mm diameter screw, 1.5 mm thread pitch
- 32 mm and 34 mm screw, 8 mm thread length
- 36 mm - 64 mm, 10 mm thread length

Features

- Secondary screw
- 2.5 mm hexagonal head
- 4.0 mm diameter screw, 1.5 mm thread pitch

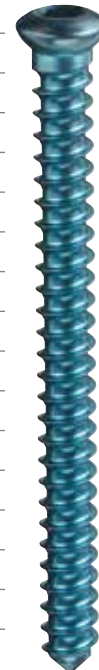
4.0 Partially Threaded Titanium Screw

LB512T	32 mm
LB514T	34 mm
LB516T	36 mm
LB518T	38 mm
LB520T	40 mm
LB522T	42 mm
LB524T	44 mm
LB526T	46 mm
LB528T	48 mm
LB530T	50 mm
LB532T	52 mm
LB534T	54 mm
LB536T	56 mm
LB538T	58 mm
LB540T	60 mm
LB542T	62 mm
LB544T	64 mm



4.0 Fully Threaded Titanium Screw

LB472T	32 mm
LB474T	34 mm
LB476T	36 mm
LB478T	38 mm
LB480T	40 mm
LB482T	42 mm
LB484T	44 mm
LB486T	46 mm
LB488T	48 mm
LB490T	50 mm
LB492T	52 mm
LB494T	54 mm
LB496T	56 mm
LB498T	58 mm
LB500T	60 mm
LB502T	62 mm
LB505T	64 mm



ME195 - Apfelbaum Odontoid Fixation System 4.0 mm Screw Caddy

Apfelbaum Odontoid Instrument Set

Retractor Blades		
Item No.	Description	Qty.
BV741T	Apfelbaum TI Angled Blade, 67 mm x 38.5 mm	1
BV742T	Apfelbaum TI Angled Blade, 77 mm x 38.5 mm	1
BV743T	Apfelbaum TI Angled Blade, 67 mm x 30 mm	1
BV744T	Apfelbaum TI Angled Blade, 77 mm x 30 mm	1
BV745T	Apfelbaum TI Angled Blade, 67 mm x 56.5 mm	1
BV746T	Apfelbaum TI Angled Blade, 77 mm x 56.5 mm	1
BW353R	CCR Blade Solid SS Medial, 24 x 40 mm	2
BW354R	CCR Blade Solid SS Medial, 24 x 45 mm	2
BW355R	CCR Blade Solid SS Medial, 24 x 50 mm	2
BW356R	CCR Blade Solid SS Medial, 24 x 55 mm	2
BW357R	CCR Blade Solid SS Medial, 24 x 60 mm	2

Instruments		
Item No.	Description	Qty.
BV399R	Caspar Retractor Blade Ejector	1
BW079R	Apfelbaum Cervical Retractor	1
BV739R	Apfelbaum Counter Retractor	1
FJ962R	Apfelbaum Odontoid Sleeve Guide	1
FJ963R	Apfelbaum Odontoid Inner Sleeve Guide	1
FJ964P	Apfelbaum Odontoid Impactor for FJ962R	1
FJ965R	Apfelbaum Odontoid Hollow Core Drill	1
FJ966R	Apfelbaum Odontoid Drill Bit 3.0 mm	2
FJ967R	Apfelbaum Odontoid Tap	1
FJ976R	Apfelbaum Odontoid Dental Drill Bit 3 mm	1
BW010R	Caspar Side Load Blade Handle	2
FJ968R	Apfelbaum Odontoid Ball End Driver	1
FJ969R	Apfelbaum Odontoid 2.5 mm Hex Driver	1
FLO36R	Mallet Remove-Discs 135g, 25 mm x 184 mm	1
LX040SE	K-Wire Trocar Round, 310 x 2.0 mm (1ea)	5
LX156R	Wire Cutting Pliers/Soft - 3 mm and Hard - 2.2 mm	1
LX182R	Wire Extraction Pliers Short Tapered, 180 mm	1

Apfelbaum Odontoid Instrumentation

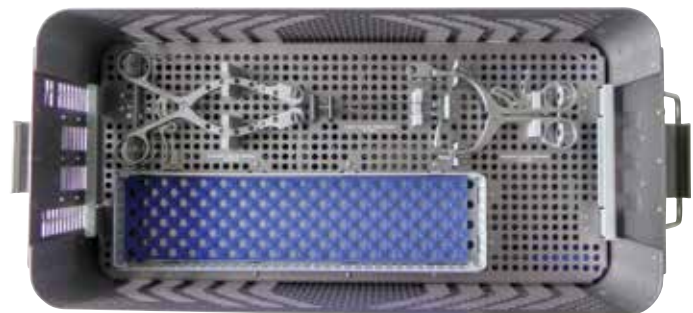
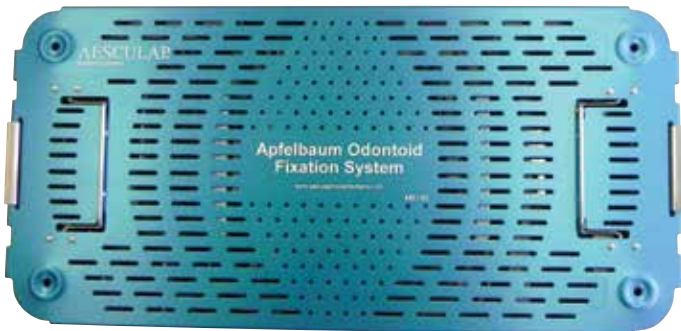
Apfelbaum Odontoid Instrument Set

Trays

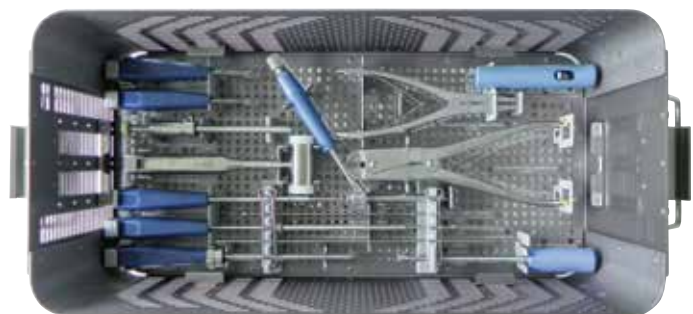
Item No.	Description	Qty.
ME191	Apfelbaum Odontoid Fixation System - Base	1
ME192	Apfelbaum Odontoid Fixation System - Lid	1
ME193	Apfelbaum Odontoid Fixation System - Lower Tray	1
ME194	Apfelbaum Odontoid Fixation System - Upper Tray	1
ME195	Apfelbaum Odontoid Fixation System - 4.0 mm Screw Caddy	1
ME196	Apfelbaum Odontoid Fixation System - 24 mm Medial Retractor Caddy	1



Top Layer



Middle Layer



Bottom Layer

Apfelbaum Odontoid Instrument Set

Recommended Sterile Containers

Item No.	Description	Qty.
JN442	Full-Size Perf. Bottom, 135 mm	1
JK489	Full-Size Lid w/Retention Plate, Silver	1

Order Information

Set No.	Set Description
ST0581	Apfelbaum Odontoid Fixation System, Instrument and Screw Set

For additional information, contact Customer Service at 1-866-229-3002 or visit our website at www.aesculapimplantsystems.com/spine.

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