

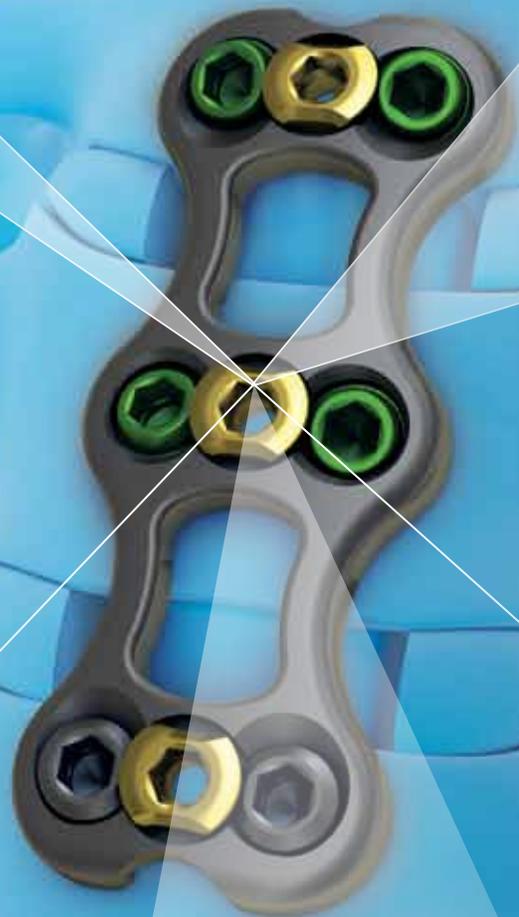


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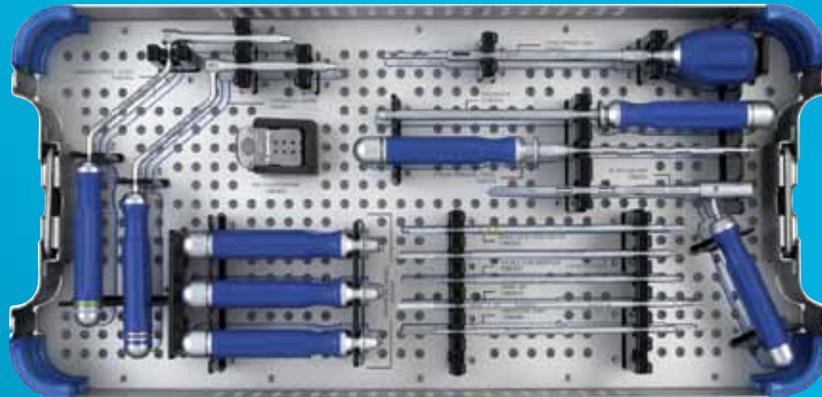
ATLANTIS VISION® ELITE

Anterior Cervical Plate System

Product Information



The Brand You Know. Simplified.



ATLANTIS® Systems
Universal Instrument Set



ATLANTIS®
Anterior Cervical Plate System*



ATLANTIS VISION®
Anterior Cervical Plate System*



ATLANTIS VISION® ELITE
Anterior Cervical Plate System



ATLANTIS TRANSLATIONAL™
Anterior Cervical Plate System*

* Please see the separate surgical techniques for detailed instructions for use and additional product information.



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ATLANTIS VISION[®] ELITE

Anterior Cervical Plate System

Product Information

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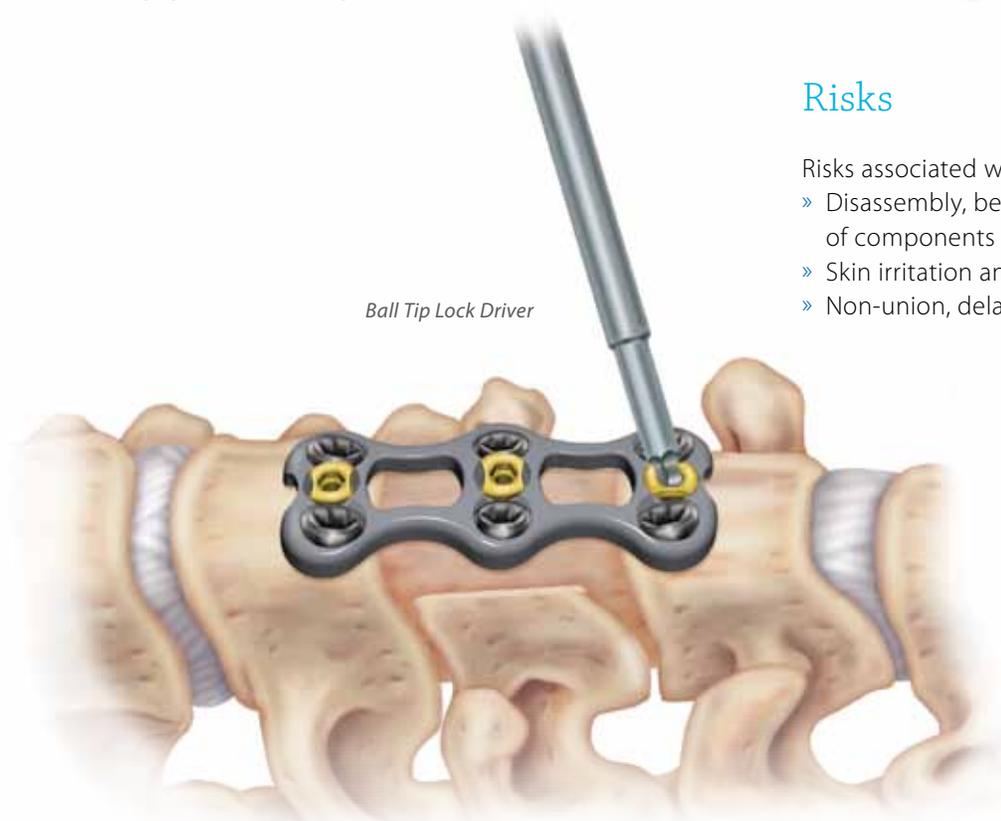
Locking Mechanism

- » Locking mechanism uses the same driver as the bone screws.
- » 90° clockwise turn securely locks both bone screws.
- » Provides visual and tactile locking confirmation.
- » Ball Tip Lock Driver allows locking mechanism to be engaged from an angle.



Risks

- Risks associated with this system include:
- » Disassembly, bending, and/or breakage of components
 - » Skin irritation and/or pain
 - » Non-union, delayed union, or mal-union



The locking mechanism is engaged with the same driver as the bone screws. A 90° clockwise turn securely locks both screws.

Color-coded Screw Options

Self-Tapping Screws



GREEN

4.0mm Variable



MAGENTA

4.5mm Variable



GRAY

4.0mm Fixed



BLUE

4.5mm Fixed

Self-Drilling Screws



GREEN

4.0mm Variable



MAGENTA

4.5mm Variable



GRAY

4.0mm Fixed



BLUE

4.5mm Fixed



Self-Drilling 4.0mm
Variable Angle Screw

- » 4.0mm major diameter
- » 2.4mm minor diameter



Self-Drilling 4.5mm
Fixed Angle Screw

- » 4.5mm major diameter
- » 2.9mm minor diameter

4.0mm Fixed Screw Angulations

- » 12° cephalad/caudal
- » 6° medial convergent

4.0mm Variable Screw Angulations

- » 22°/-2° cephalad/caudal
- » 17°/4° medial/lateral

Implant Design Overview

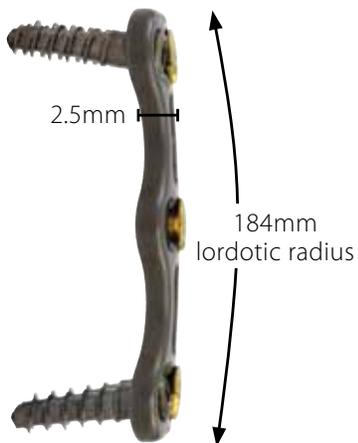
Plate Width

- » 17.8mm side-to-side



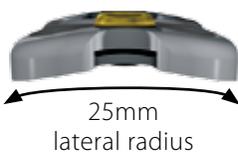
Plate profile

- » 2.5mm



Radius of curvature

- » 184mm lordotic radius
- » 25mm lateral radius



Midline Alignment Notch



Risks

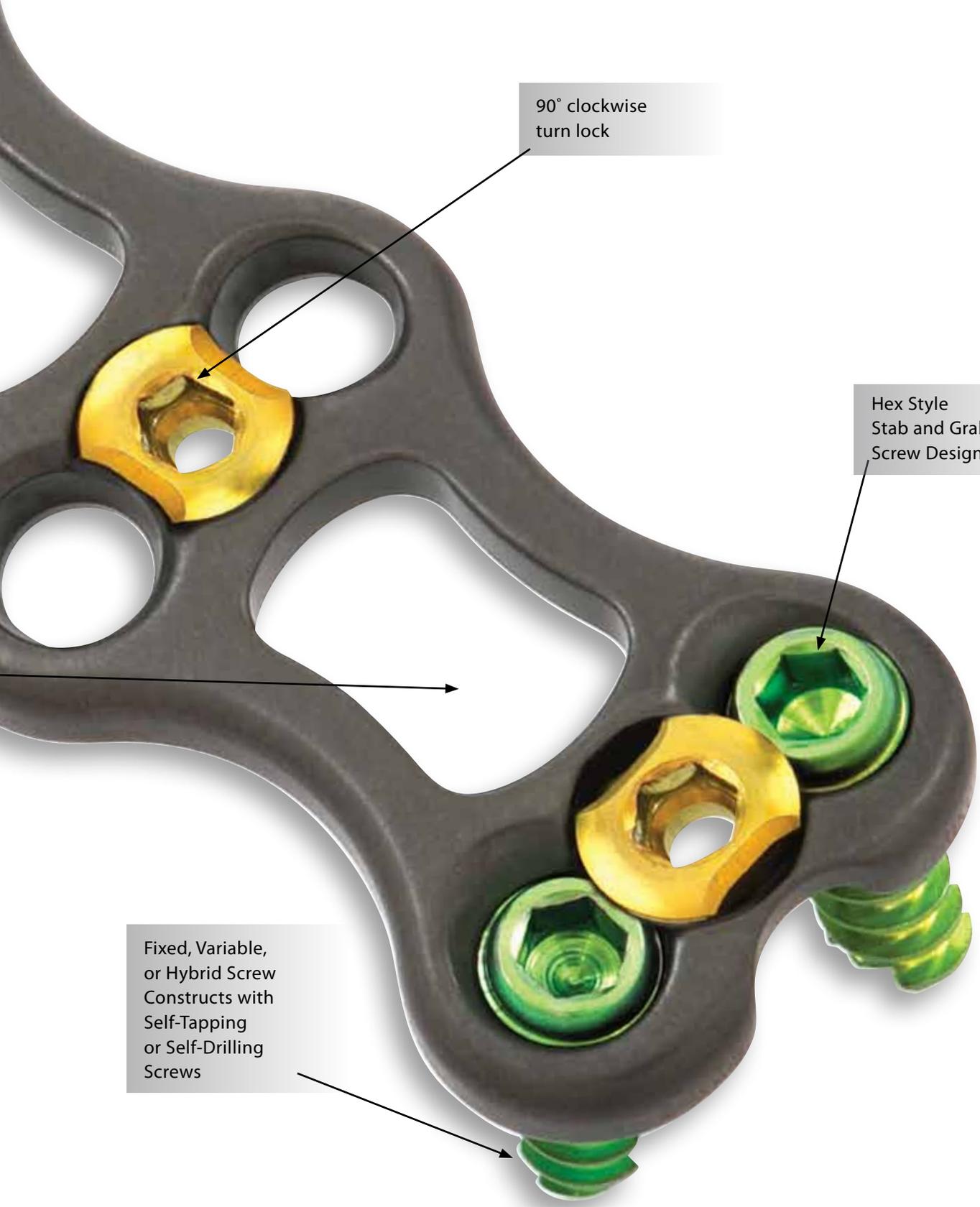
Risks associated with this system include:

- » Pressure on skin from inadequate tissue coverage
- » Disassembly, bending, and/or breakage

Product Features

Material Composition

- » Titanium alloy (Ti-6Al-4V)



90° clockwise
turn lock

Hex Style
Stab and Grab
Screw Design

Fixed, Variable,
or Hybrid Screw
Constructs with
Self-Tapping
or Self-Drilling
Screws

Instrument Set Overview

Universal Awl (7080906)

Its tri-flat shaft is compatible with the universal handle. It is used to puncture the cortex of the vertebral body.

- » 2.0mm diameter
- » 10mm depth into bone



Universal Awl

Fixed Angle Awl (70809011)

The teardrop-shaped handle has a spring-loaded bit attachment that seats into the bone screw aperture on the plate for a fixed trajectory. It is used to puncture the cortex of the vertebral body.

- » 12°/6° cephalad/caudal angulation
- » 2.0mm diameter



Fixed Angle Awl

Plate Holding Pin (7080902)

Used in conjunction with the Pin Driver (9790903), the Pin provides temporary fixation of the plate during screw insertion.

- » 27.8mm total length
- » 18.5mm shaft length
- » 9.3mm depth into bone
- » 1.8mm diameter



Plate Holding Pin

11mm Drill Bit, sterile (7080510)

Its tri-flat shaft is compatible with the universal handle. The bit is sterile packaged and is for one-time use only to ensure a sharp cutting flute. The drill bit can be used with the Fixed, Variable, and Drill, Tap, and Screw (DTS) Guides.

- » 2.43mm diameter
- » 11mm depth into bone when flush with stop collar

Do not use if package not intact - sterility not assured.



11mm Drill Bit, sterile

Ball Tip Lock Driver (7080918)

The circular hex driver is used to drive the bone screws and engage the locking cap on the plate. The ball-nosed tip allows use from an angle so the driver does not have to be at a 90° angle to insert the bone screws or engage the lock.



Ball Tip Lock Driver

Drill, Tap, and Screw (DTS) Guide (7081912)

The DTS Guide will ensure that the awl, drill bit and bone screws enter the bone at 12° cephalad/caudal and 6° medially convergent angles.



DTS Guide

Procedural Pearls

- » Use Plate Holding Pins through the cannulated locking cap to provide temporary midline fixation of the plate without interfering with bone screw insertion. Use caution not to turn the locking cap while seating the pin against the cap. This could preclude the screws from being inserted.
- » Use the Ball Tip Lock Driver when trying to engage the locking mechanism from challenging angles. The driver facilitates conical angulations up to 20°.
- » Engage the locking mechanism with a clockwise motion. Do not rotate the locking mechanism counterclockwise. Rotating the locking mechanism counterclockwise will begin to unthread the lock from the plate.
- » If the locking cap will not close over the bone screws, ensure that the bone screws are fully seated. If bone screws are not fully seated and locked it could cause pressure on the skin from component parts in patients with inadequate tissue coverage over the implant, possibly causing skin penetration, irritation, and/or pain.
- » When using Ø4.5mm Rescue Screws, they must thread through the plate. Ensure that proper drill guides are used to minimize insertion resistance.
- » It is difficult to know when the screw is fully seated when using the DTS Guide because the tube is covering the screw. To verify the screw is seated, align the laser etching on the screwdriver shaft with the top of the DTS Guide tube. If the screw is not fully seated, it can lead to bending and/or breaking of any or all of the components.

Indications

Properly used, this system is intended for anterior interbody screw fixation from C2 to T1. The indications and contraindications of spinal instrumentation systems should be well understood by the surgeon. The system is indicated for use in the temporary stabilization of the anterior spine during the development of cervical spinal fusions in patients with: 1) degenerative disc disease (as defined by neck pain of discogenic origin with degeneration of the disc confirmed by patient history and radiographic studies), 2) trauma (including fractures), 3) tumors, 4) deformity (defined as kyphosis, lordosis, or scoliosis), 5) pseudarthrosis, and/or 6) failed previous fusions.

ATLANTIS VISION® ELITE Product Ordering Information

ATLANTIS VISION® ELITE Implant Set Type: SPS02311

Plates



1-Level Plates

Part Number	Description	Quantity In Set
7200019	Plate 19mm	1
7200021	Plate 21mm	2
7200023	Plate 23mm	2
7200025	Plate 25mm	2
7200027	Plate 27.5mm	2
7200030	Plate 30mm	2
7200132	Plate 32.5mm	1

2-Level Plates

Part Number	Description	Quantity In Set
7200127	Plate 27.5mm	1
7200130	Plate 30mm	1
7200032	Plate 32.5mm	1
7200035	Plate 35mm	2
7200037	Plate 37.5mm	2
7200040	Plate 40mm	2
7200042	Plate 42.5mm	2
7200045	Plate 45mm	2
7200047	Plate 47.5mm	1
7200050	Plate 50mm	1
7200152	Plate 52.5mm	1
7200155	Plate 55mm	1

3-Level Plates

Part Number	Description	Quantity In Set
7200145	Plate 45mm	1
7200147	Plate 47.5mm	1
7200150	Plate 50mm	1
7200052	Plate 52.5mm	1
7200055	Plate 55mm	1
7200057	Plate 57.5mm	1
7200060	Plate 60mm	1
7200062	Plate 62.5mm	1
7200065	Plate 65mm	1
7200067	Plate 67.5mm	1
7200070	Plate 70mm	1
7200072	Plate 72.5mm	1

4-Level Plates

Part Number	Description	Quantity In Set
7200167	Plate 67.5mm	1
7200170	Plate 70mm	1
7200172	Plate 72.5mm	1
7200075	Plate 75mm	1
7200077	Plate 77.5mm	1
7200080	Plate 80mm	1
7200082	Plate 82.5mm	1
7200085	Plate 85mm	1

ATLANTIS VISION® ELITE Product Ordering Information *continued*

5-Level Plates

Part Number	Description	Quantity In Set
7200180	Plate 80mm	1
7200182	Plate 82.5mm	1
7200185	Plate 85mm	1
7200087	Plate 87.5mm	1
7200090	Plate 90mm	1
7200095	Plate 95mm	1
7200100	Plate 100mm	1
7200105	Plate 105mm	1
7200110	Plate 110mm	1

Self-Drilling Screws

4.0mm FIXED ANGLE (Grey)

Part Number	Description	Quantity In Set
3120411	4.0mm × 11mm	8
3120412	4.0mm × 12mm	10
3120413	4.0mm × 13mm	10
3120414	4.0mm × 14mm	10
3120415	4.0mm × 15mm	10
3120416	4.0mm × 16mm	10
3120417	4.0mm × 17mm	8



4.5mm FIXED ANGLE (Blue)

Part Number	Description	Quantity In Set
3125411	4.5mm × 11mm	4
3125413	4.5mm × 13mm	4
3125415	4.5mm × 15mm	4
3125417	4.5mm × 17mm	4



4.0mm VARIABLE ANGLE (Green)

Part Number	Description	Quantity In Set
3120511	4.0mm × 11mm	8
3120512	4.0mm × 12mm	10
3120513	4.0mm × 13mm	10
3120514	4.0mm × 14mm	10
3120515	4.0mm × 15mm	10
3120516	4.0mm × 16mm	10
3120517	4.0mm × 17mm	8



4.5mm VARIABLE ANGLE (Magenta)

Part Number	Description	Quantity In Set
3125511	4.5mm × 11mm	4
3125513	4.5mm × 13mm	4
3125515	4.5mm × 15mm	4
3125517	4.5mm × 17mm	4



ATLANTIS VISION® ELITE Product Ordering Information *continued*

Self-Tapping Screws

4.0mm FIXED ANGLE (Grey)

Part Number	Description	Quantity In Set
3120211	4.0mm × 11mm	8
3120212	4.0mm × 12mm	10
3120213	4.0mm × 13mm	10
3120214	4.0mm × 14mm	10
3120215	4.0mm × 15mm	10
3120216	4.0mm × 16mm	10
3120217	4.0mm × 17mm	8



4.5mm FIXED ANGLE (Blue)

Part Number	Description	Quantity In Set
3125211	4.5mm × 11mm	4
3125213	4.5mm × 13mm	4
3125215	4.5mm × 15mm	4
3125217	4.5mm × 17mm	4



4.0mm VARIABLE ANGLE (Green)

Part Number	Description	Quantity In Set
3120311	4.0mm × 11mm	8
3120312	4.0mm × 12mm	10
3120313	4.0mm × 13mm	10
3120314	4.0mm × 14mm	10
3120315	4.0mm × 15mm	10
3120316	4.0mm × 16mm	10
3120317	4.0mm × 17mm	8



4.5mm VARIABLE ANGLE (Magenta)

Part Number	Description	Quantity In Set
3125311	4.5mm × 11mm	4
3125313	4.5mm × 13mm	4
3125315	4.5mm × 15mm	4
3125317	4.5mm × 17mm	4



Instrument Cases and Trays

Part Number	Description	Quantity In Set
6199765	ATLANTIS® Screw Gauge	1
876-402	Plate Bender	1
1850077	Generic Base Double	1
1850079	Generic Lid	1
7200906	ATLANTIS VISION® ELITE Instrument Tray	1
7200902	Short Plate Caddy	1
7200903	Short plate Lid	1
7200904	Long Plate Caddy	1
7200905	Long Plate Lid	1
3123100	Self-Drilling Screw Caddy	1
3123001	Self-Drilling Screw Caddy Lid	1
3123002	Self-Tapping Screw Caddy	1
3123003	Self-Tapping Screw Caddy Lid	1
7081912	DTS Guide	1
7200900	ATLANTIS VISION® ELITE Outer Case Label	1
7200901	ATLANTIS VISION® ELITE Implant Tray	1

ATLANTIS VISION® ELITE Product Ordering Information *continued*

Disposable Instruments

Part Number	Description	Quantity In Set
7080510	11mm Drill Bit (Sterile)	1
7080513	13mm Drill Bit (Sterile)	1
7080902	Plate Holding Pins	3

Universal Instrument Set
Set Type: SPS02121

Instrument/Set

Part Number	Description	Quantity In Set
6650250	Universal Handle	3
7080902	Plate Holding Pin	3
7080903	Fixed Drill Guide	1
7080904	Variable Drill Guide	1
7080906	Universal Awl	1
7080907	2.5 Hex Screwdriver	2
7080911	Fixed Angle Awl	1
7080918	Ball Tip Driver	1
7080919	Screw Removal Tool	1
7080920	4.0mm x 13mm Tap	1
7080921	Plate Holder	1
7080930	Lock Screwdriver	1
7080901	Holding Pin Driver	1

Cases and Trays

Part Number	Description	Quantity In Set
7081932	Instrument Outer Case	1
1850079	Generic Outer Lid	1
7082005	Instrument Tray Lower	1
7082105	Plate Holding Pin Caddy Lid	1

Notes

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Medtronic

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www.myspinetools.com

The surgical technique shown is for illustrative purposes only. The technique(s) actually employed in each case will always depend upon the medical judgment of the surgeon exercised before and during surgery as to the best mode of treatment for each patient.

Please see the package insert for the complete list of indications, warnings, precautions, and other important medical information.

