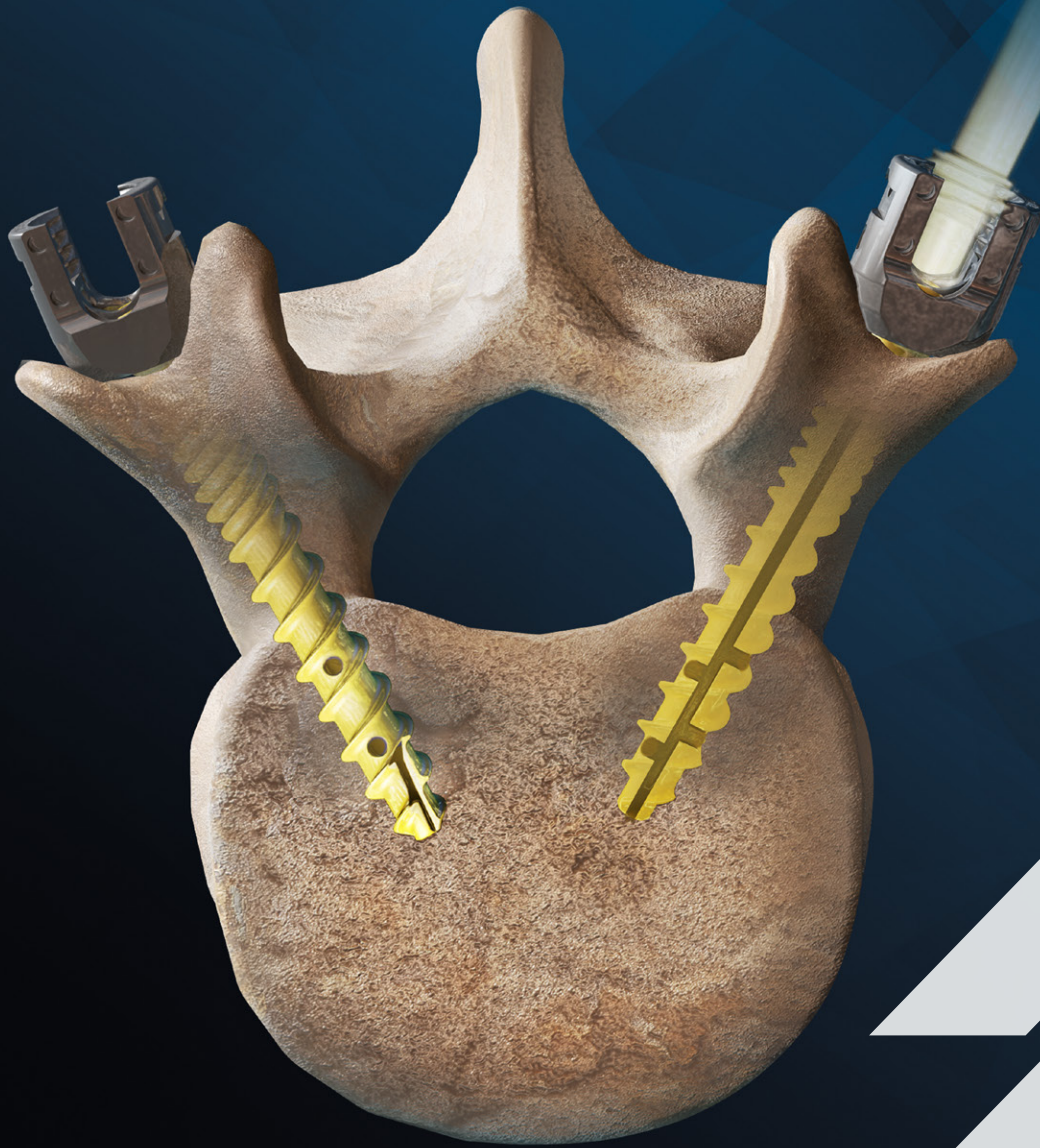




## The Power of Pedicle Screw Options



## System Overview

Since 2009, Orthofix's proven Firebird® Spinal Fixation System has been a trusted technology in posterior lumbar and thoracic fixation. The addition of two JANUS® Fenestrated Screw options, with or without Hydroxyapatite (HA) coating, to the Firebird Spinal Fixation Systems family further expands the pedicle screw offering to seven types of bone screws.

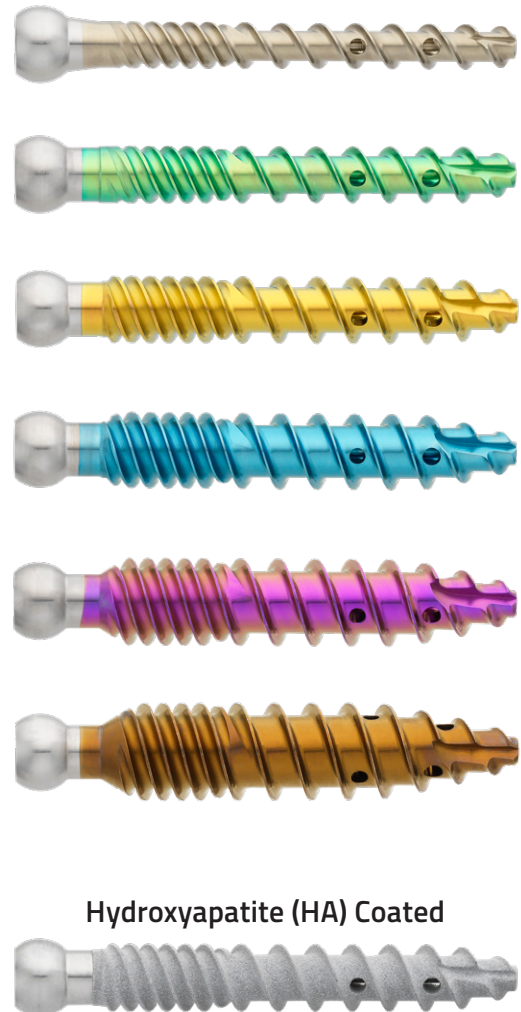
With its modular, self-tapping, cannulated and fenestrated features, the JANUS Fenestrated Screw is designed to achieve more cortical bone purchase while incorporating the ability of delivering saline and radiopaque dye directly to the vertebral body.

JANUS Fenestrated Screw is compatible with Firebird® Spinal Fixation System, Firebird® NXG Spinal Fixation System and the Phoenix® Minimally Invasive Spinal Fixation System.

### JANUS® Fenestrated Screw

- Increased cortical bone purchase – 43% increase in cortical region thread density\*
- Radially spaced fenestrations provide multiple flow channels around the bone screw
- Threads extend to the tip for controlled insertion and tactile feedback
- Non-Hydroxyapatite (HA) Coated Screws are available in diameters 4.5mm to 9.5mm in lengths of 30mm to 80mm
- Hydroxyapatite (HA) Coated Screws are available in diameters of 4.5mm to 9.5mm in lengths of 30mm to 55mm

\* compared to Firebird® Spinal Fixation System 5.5mm diameter x 30mm length pedicle screw



Hydroxyapatite (HA) Coated

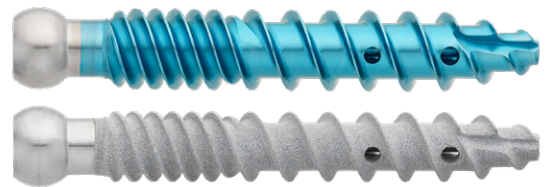
**JANUS®**  
FENESTRATED SCREW

## Power of Options

The modular Firebird system offers the ability to pair seven bone screw types with eight body styles providing a powerful combination of options to adapt to your surgical approach.

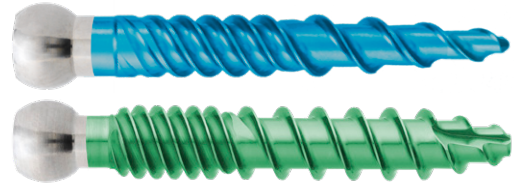
### JANUS Fenestrated Screw

- Cannulated Non-Hydroxyapatite (HA) coated  
4.5mm to 9.5mm diameters  
30mm to 80mm lengths
- Cannulated Hydroxyapatite (HA) coated  
4.5mm to 9.5mm diameters  
30mm to 55mm lengths



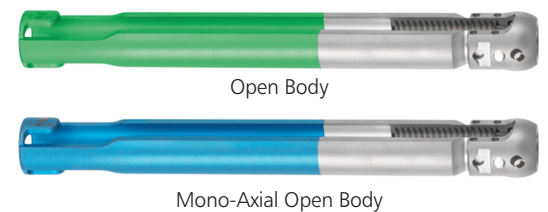
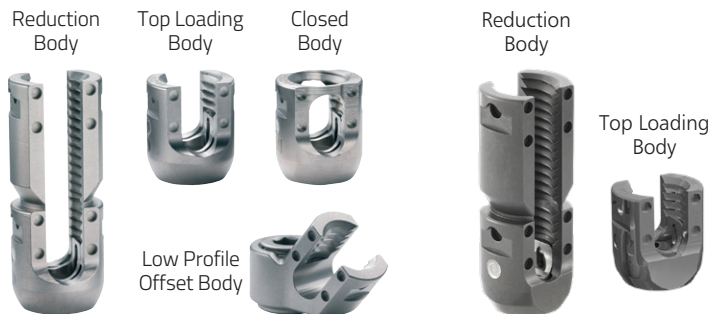
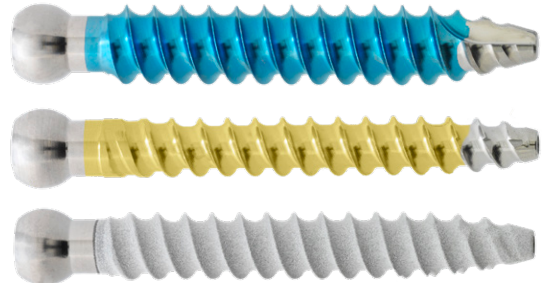
### JANUS Midline Fixation Screw

- Non-Cannulated and Cannulated  
4.5mm to 7.5mm diameters  
25mm to 65mm lengths



### Firebird Spinal Fixation Screw

- Non-Cannulated  
4.0mm, 4.5mm to 11.5mm diameters  
25mm to 110mm lengths
- Cannulated  
4.5mm to 11.5mm diameters  
25mm to 110mm lengths
- Cannulated, Hydroxyapatite (HA) coated  
5.5mm to 8.5mm diameters  
25mm to 55mm lengths



## Instrumentation

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### Short Adapter\*



- Utilized in an open approach
  - Provides a conduit for saline and radiopaque dye delivery to the vertebral body
  - Rigidly attaches to the Firebird or Firebird NXG multi-axial screw body
- 

### Tall Adapter\*



- Utilized in minimally invasive (MIS) approaches
  - Securely attaches to the Phoenix Open and Closed bodies
  - Allows for saline and radiopaque dye delivery to the vertebral body
- 

### Adapter Inserter



- Assists in placing the short adapter into the multi-axial screw body
- 

### Cannula\*



- Connects to the short or tall adapter with a standard luer interface
  - Provides an extension to the short adapter in open procedures
- 

### Plunger\*



- Clears instrument cannula of blockages
- 

### Adapter Wrench



- Secures the short or tall adapter into the multi-axial screw body
- Provides counter torque to remove the short adapter or tall adapter from the multi-axial screw body

## Implants

Part #	Description	Qty	Part #	Description	Qty
36-4535	5.5mm x 35mm Fenestrated Screw	4	36-4650	6.5mm x 50mm Fenestrated Screw	8
36-4540	5.5mm x 40mm Fenestrated Screw	8	36-4655	6.5mm x 55mm Fenestrated Screw	4
36-4545	5.5mm x 45mm Fenestrated Screw	8	36-4740	7.5mm x 40mm Fenestrated Screw	4
36-4550	5.5mm x 50mm Fenestrated Screw	2	36-4745	7.5mm x 45mm Fenestrated Screw	4
36-4635	6.5mm x 35mm Fenestrated Screw	4	36-4750	7.5mm x 50mm Fenestrated Screw	4
36-4640	6.5mm x 40mm Fenestrated Screw	8	36-4755	7.5mm x 55mm Fenestrated Screw	4
36-4645	6.5mm x 45mm Fenestrated Screw	10			

## Optional Implants

Part #	Description	Part #	Description
36-4430	4.5mm x 30mm Fenestrated Screw	36-4765	7.5mm x 65mm Fenestrated Screw
36-4435	4.5mm x 35mm Fenestrated Screw	36-4770	7.5mm x 70mm Fenestrated Screw
36-4440	4.5mm x 40mm Fenestrated Screw	36-4775	7.5mm x 75mm Fenestrated Screw
36-4445	4.5mm x 45mm Fenestrated Screw	36-4780	7.5mm x 80mm Fenestrated Screw
36-4450	4.5mm x 50mm Fenestrated Screw	36-4830	8.5mm x 30mm Fenestrated Screw
36-4455	4.5mm x 55mm Fenestrated Screw	36-4835	8.5mm x 35mm Fenestrated Screw
36-4460	4.5mm x 60mm Fenestrated Screw	36-4840	8.5mm x 40mm Fenestrated Screw
36-4465	4.5mm x 65mm Fenestrated Screw	36-4845	8.5mm x 45mm Fenestrated Screw
36-4470	4.5mm x 70mm Fenestrated Screw	36-4850	8.5mm x 50mm Fenestrated Screw
36-4475	4.5mm x 75mm Fenestrated Screw	36-4855	8.5mm x 55mm Fenestrated Screw
36-4480	4.5mm x 80mm Fenestrated Screw	36-4860	8.5mm x 60mm Fenestrated Screw
36-4530	5.5mm x 30mm Fenestrated Screw	36-4865	8.5mm x 65mm Fenestrated Screw
36-4555	5.5mm x 55mm Fenestrated Screw	36-4870	8.5mm x 70mm Fenestrated Screw
36-4560	5.5mm x 60mm Fenestrated Screw	36-4875	8.5mm x 75mm Fenestrated Screw
36-4565	5.5mm x 65mm Fenestrated Screw	36-4880	8.5mm x 80mm Fenestrated Screw
36-4570	5.5mm x 70mm Fenestrated Screw	36-4930	9.5mm x 30mm Fenestrated Screw
36-4575	5.5mm x 75mm Fenestrated Screw	36-4935	9.5mm x 35mm Fenestrated Screw
36-4580	5.5mm x 80mm Fenestrated Screw	36-4940	9.5mm x 40mm Fenestrated Screw
36-4630	6.5mm x 30mm Fenestrated Screw	36-4945	9.5mm x 45mm Fenestrated Screw
36-4660	6.5mm x 60mm Fenestrated Screw	36-4950	9.5mm x 50mm Fenestrated Screw
36-4665	6.5mm x 65mm Fenestrated Screw	36-4955	9.5mm x 55mm Fenestrated Screw
36-4670	6.5mm x 70mm Fenestrated Screw	36-4960	9.5mm x 60mm Fenestrated Screw
36-4675	6.5mm x 75mm Fenestrated Screw	36-4965	9.5mm x 65mm Fenestrated Screw
36-4680	6.5mm x 80mm Fenestrated Screw	36-4970	9.5mm x 70mm Fenestrated Screw
36-4730	7.5mm x 30mm Fenestrated Screw	36-4975	9.5mm x 75mm Fenestrated Screw
36-4735	7.5mm x 35mm Fenestrated Screw	36-4980	9.5mm x 80mm Fenestrated Screw
36-4760	7.5mm x 60mm Fenestrated Screw		



## Optional HA Coated Implants

Part #	Description
36-5430SP	4.5mm x 30mm HA Coated Fenestrated Screw
36-5435SP	4.5mm x 35mm HA Coated Fenestrated Screw
36-5440SP	4.5mm x 40mm HA Coated Fenestrated Screw
36-5445SP	4.5mm x 45mm HA Coated Fenestrated Screw
36-5450SP	4.5mm x 50mm HA Coated Fenestrated Screw
36-5455SP	4.5mm x 55mm HA Coated Fenestrated Screw
36-5530SP	5.5mm x 30mm HA Coated Fenestrated Screw
36-5535SP	5.5mm x 35mm HA Coated Fenestrated Screw
36-5540SP	5.5mm x 40mm HA Coated Fenestrated Screw
36-5545SP	5.5mm x 45mm HA Coated Fenestrated Screw
36-5550SP	5.5mm x 50mm HA Coated Fenestrated Screw
36-5555SP	5.5mm x 55mm HA Coated Fenestrated Screw
36-5630SP	6.5mm x 30mm HA Coated Fenestrated Screw
36-5635SP	6.5mm x 35mm HA Coated Fenestrated Screw
36-5640SP	6.5mm x 40mm HA Coated Fenestrated Screw
36-5645SP	6.5mm x 45mm HA Coated Fenestrated Screw
36-5650SP	6.5mm x 50mm HA Coated Fenestrated Screw
36-5655SP	6.5mm x 55mm HA Coated Fenestrated Screw

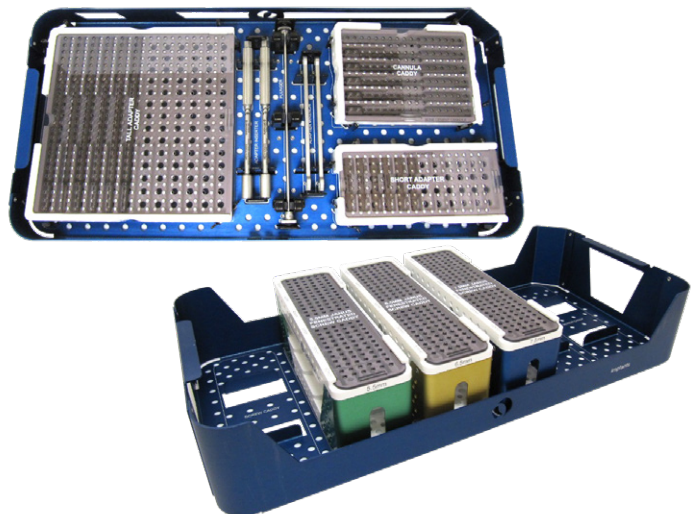
## Implants and Instruments 36-9110

Part #	Description	Qty
36-6300	JANUS Fenestrated Implant and Instrument Case	1
36-6310	Top Level Tray	1
36-6312	5.5mm JANUS Fenestrated Screw Caddy	1
36-6313	6.5mm JANUS Fenestrated Screw Caddy	1
36-6314	7.5mm JANUS Fenestrated Screw Caddy	1
36-6320	Bottom Level Tray	1
36-6321	Cannula Caddy	1
36-6333	Tall Adapter Caddy	1
36-6322	Short Adapter Caddy	1

Part #	Description
36-5730SP	7.5mm x 30mm HA Coated Fenestrated Screw
36-5735SP	7.5mm x 35mm HA Coated Fenestrated Screw
36-5740SP	7.5mm x 40mm HA Coated Fenestrated Screw
36-5745SP	7.5mm x 45mm HA Coated Fenestrated Screw
36-5750SP	7.5mm x 50mm HA Coated Fenestrated Screw
36-5755SP	7.5mm x 55mm HA Coated Fenestrated Screw
36-5830SP	8.5mm x 30mm HA Coated Fenestrated Screw
36-5835SP	8.5mm x 35mm HA Coated Fenestrated Screw
36-5840SP	8.5mm x 40mm HA Coated Fenestrated Screw
36-5845SP	8.5mm x 45mm HA Coated Fenestrated Screw
36-5850SP	8.5mm x 50mm HA Coated Fenestrated Screw
36-5855SP	8.5mm x 55mm HA Coated Fenestrated Screw
36-5930SP	9.5mm x 30mm HA Coated Fenestrated Screw
36-5935SP	9.5mm x 35mm HA Coated Fenestrated Screw
36-5940SP	9.5mm x 40mm HA Coated Fenestrated Screw
36-5945SP	9.5mm x 45mm HA Coated Fenestrated Screw
36-5950SP	9.5mm x 50mm HA Coated Fenestrated Screw
36-5955SP	9.5mm x 55mm HA Coated Fenestrated Screw

## Optional Caddies

Part #	Description
36-6311	4.5mm JANUS Fenestrated Screw Caddy
36-6315	8.5mm JANUS Fenestrated Screw Caddy
36-6316	9.5mm JANUS Fenestrated Screw Caddy





Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience.



Orthofix  
3451 Plano Parkway  
Lewisville, Texas 75056-9453 USA  
1.214.937.3199  
1.888.298.5700  
www.orthofix.com



Medical Device Safety Services (MDSS):  
Schiffgraben 41  
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