



ZIMMER® MAGNA-FX® AND MINI MAGNA-FX® CANNULATED SCREW FIXATION SYSTEMS

**VERSATILE - STRONG -
ACCURATE - EASY TO USE**

The *Magna-Fx* Cannulated Screw is designed to provide advanced holding power with an increased thread length when the depth of the bone fragment can accommodate it.

The *Mini Magna-Fx* Cannulated Screw is designed for applications that require precise secure fixation for small bone fractures and to secure small bone fragments.

INTRAOPERATIVE EFFICIENCIES

All preparation and placement steps are performed with minimally invasive technique

Self-reaming and self-tapping cannulated design for direct placement over Guide Pin

Screw threads are reverse cutting to facilitate removal and decrease the chance of microfracture

Cannulated Screws and Guide Pins are provided in sterile condition

Parallel Placement Guide permits easy and accurate placement of parallel guide pins in areas where compression through controlled impaction is desired

Minimally invasive preparation and placement technique

Instruments are supplied in autoclavable plastic cases with imprints that identify the components

Screw threads are reverse cutting to facilitate removal and decrease microfracture

Magna-Fx Screw designed to provide holding power with advanced thread length

Mini Magna-Fx Screw designed to provide precise, secure fixation of small bone fractures and secures small bone fragments



Comprehensive Offering - Accur

Mini *Magna-Fx* Cannulated Screws, Zimmer's counterpart to *Magna-Fx*, are sized specifically for the precise reduction of small bone fractures and small bone fragments. Mini *Magna-Fx* Screws are designed in two diameters, 4.0mm and 5.0mm, with various thread configurations including full and partial threads:

- 4.0mm Fully Threaded Screws
- 4.0mm Partially Threaded Screws
- 5.0mm Fully Threaded Screws
- 5.0mm Partially Threaded Screws

Addresses Small Bone Fractures

Mini *Magna-Fx* Screws are typically used in small bone fractures including fractures of the medial malleolus, distal tibia, distal radius, calcaneus, talus, patella and pelvis. In addition it is designed to address fixation of bone prominences and the supracondylar fractures of the distal humerus in children.

Strength - Maximizing Bone Purchase

Another major benefit of the Mini *Magna-Fx* Screw is its self-cutting tip and strong threads. Superior strength allows the thread design to be deeper for maximum purchase. It also allows the notched tip the ability to be

self-cutting. The threads are designed to reverse cut to aid in removal. The screw head accommodates a 3.5mm hex screwdriver for optimum fit.

Larger Guide Pins for Accurate Placement

The accuracy of the Mini *Magna-Fx* Screw is obvious because the larger guide pins provide more accurate placement. This accuracy can be obtained when the screw is placed directly over a prepositioned Guide Pin. The 5.0mm Mini *Magna-Fx* Screw can be positioned over a 2.5mm Guide Pin. The 4.0mm Mini *Magna-Fx* Screw fits over a 1.7mm Guide Pin.

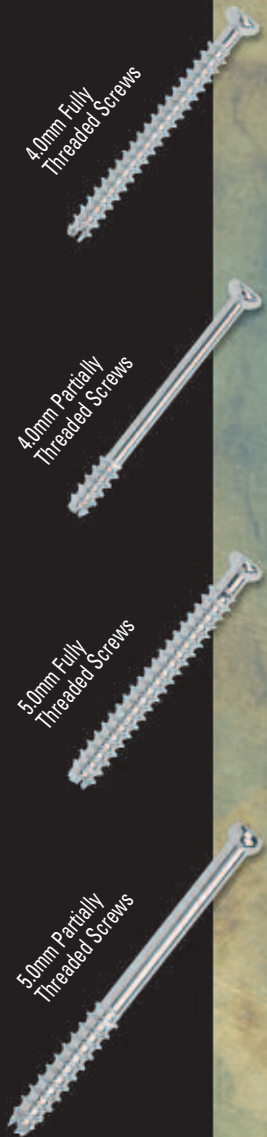


4.0mm
Mini Magna-FX

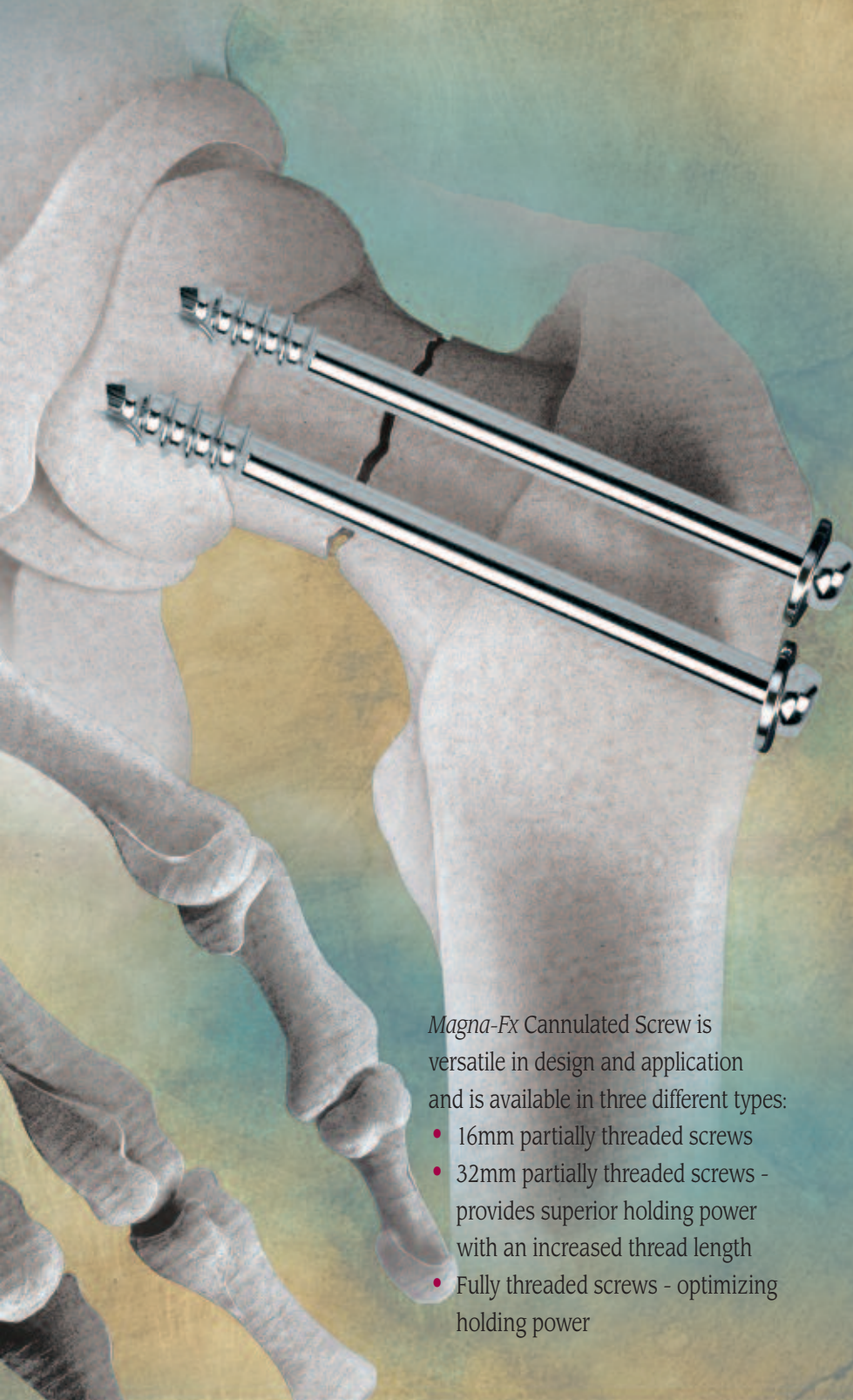
4.5mm
Synthes

5.0mm
Mini Magna-FX

The profile of the Mini *Magna-Fx* head is smaller than competitive screws. When compared to a Synthes 4.5mm, both the 4.0 and 5.0 Mini *Magna-Fx* Screws have smaller head diameters.



Accurate Positioning - Optimal Fixation



Application Specific

Magna-Fx Cannulated Screws address a wide-range of fracture applications including: fractures of the intracapsular hip, femoral condyles, tibial condyles, ankle, acetabulum, pelvis, and in the treatment of slipped capital femoral epiphysis.

Maximum Strength

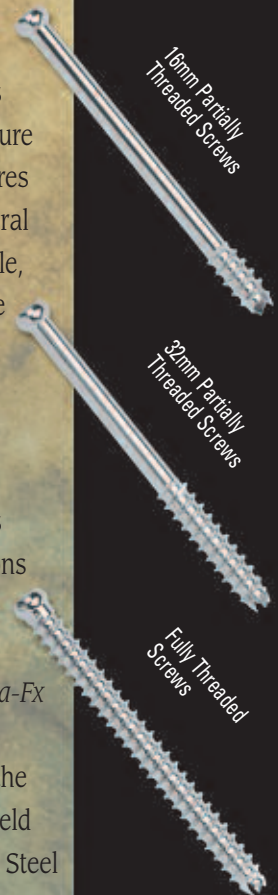
Magna-Fx Cannulated Screws are unsurpassed in applications that require higher bending strength. Made of strong 22-13-5 Stainless Steel, *Magna-Fx* Cannulated Screws have the ability to withstand up to 2x the fatigue strength and 3x the yield strength of the 316L Stainless Steel used by the competition.

Accuracy on Demand

One of the most beneficial qualities of the *Magna-Fx* Screw is the accuracy gained by positioning the screw over a pre-positioned guide pin. The larger cannulation accommodates a larger, more rigid 3.2mm Guide Pin, enabling accurate insertion on the first try.

Magna-Fx Cannulated Screw is versatile in design and application and is available in three different types:

- 16mm partially threaded screws
- 32mm partially threaded screws - provides superior holding power with an increased thread length
- Fully threaded screws - optimizing holding power



Self-Cutting Tip and Stronger Threads

The superior strength of the material allows the thread design to be deeper for maximum purchase, giving Mini *Magna-Fx* Screw superior hold in cancellous bone. That same strength gives the Mini *Magna-Fx* notched tip the ability to be self-cutting. The threads are designed to reverse cut to aid in removal.

Larger screw cannulation allows for the *Magna-Fx* Guide Pin, which has a larger diameter of 3.2mm, to inhibit bending. Installation is more accurate since bending is minimized.



IMPLANT AND INSTRUMENTATION SETS

Cat. No.	Description	Qty. in Set
1146-05	<i>Magna-Fx</i> Cannulated Screw Set (Set includes the following implants, instruments, and sterilization case w/lid)	1
1146-01	Cannulated Screwdriver (For T-handle)	1
1146-02	Cannulated Screwdriver (For Jacobs Chuck)	1
1146-03	T-handle	1
1146-07	7.0mm Cannulated Guide	1
1146-10	Adjustable Pin Guide	1
1146-12	Parallel Pin Guide	1
1146-15	3.2mm Pin Guide	1
1146-17	Screw Extractor	1
1146-20	5.0mm Cannulated Reamer	2
1180-40	Cannulated Depth Gauge	1
1181-20	3.2mm Guide Pins (Box of 5)	1
2313-11	Screw Forceps	1
2344-01	Washer	6
2410-45	4.5mm Quick Connect Drill	1
1146-81	<i>Magna-Fx</i> Implant/Instrument Sterilization Case Set (Includes:)	1
1146-82	<i>Magna-Fx</i> Cannulated Screw Case w/lid	—

OPTIONAL

1146	<i>Magna-Fx</i> Cannulated Screw Set (Set includes the above instruments and sterilization case w/lid, no implants)	
1179-00-53	<i>Magna-Fx</i> Fully Threaded Screw Set	
1179-80	Pelvic <i>Magna-Fx</i> Case (For Fully Threaded Screws)	

PERCUTANEOUS GUIDE SYSTEM

1146-04	Cannula, 3.2mm	
1146-06	Cannula, 5.0mm	
1146-08	Cannula, 8.0mm	
1146-09	Depth Gauge	
2237-43	T-Handle Screwdriver 5.0mm Hex Head	

MINI MAGNA-FX INSTRUMENTATION

Cat. No.	Description	Qty. in Set
1142	Mini <i>Magna-Fx</i> Cannulated Screw Set (Set includes the following instruments, and sterilization case w/lid)	1
1142-01-17	Guide Pin, Partially Threaded, 1.7mm	1 Box of 5
1142-01-25	Guide Pin, Partially Threaded, 2.5mm	1 Box of 5
1142-02	Cannulated Screwdriver, 3.5mm	1
1142-11-27	Cannulated Drill, 2.7mm	1
1142-11-35	Cannulated Drill, 3.5mm	1
1142-12	Free-Hand Drill Guide	1
1142-14	Depth Gauge	1
1142-15	Screw Extractor	1
1142-16-27	Insert Drill, Sleeve, 2.7mm	1
1142-16-35	Insert Drill, Sleeve, 3.5mm	1
1142-17	3.2mm Guide Pins	1 Box of 5
1142-18	Washer	6
1142-19	Guide Pin Sheath	1
1142-20-40	Cannulated Tap, 4.0mm	1
1142-20-50	Cannulated Tap, 5.0mm	1
2313-11	Screw Forceps	1
1142-80	Mini <i>Magna-Fx</i> Implant/Instrument Sterilization Case Set (Includes:)	1
1142-81	Mini <i>Magna-Fx</i> Screw Case w/lid	—

OPTIONAL

1142-13	Parallel Placement Jig	
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IMPLANT SETS

1142-00-01	Mini <i>Magna-Fx</i> 4.0mm and 5.0 Screws	80
1142-00-02	Mini <i>Magna-Fx</i> 4.0mm Screws	40
1142-00-03	Mini <i>Magna-Fx</i> 5.0mm Screws	40

CANNULATED SCREWS • 7.0MM THREAD DIAMETER

16mm Threaded Length			32mm Threaded Length			Fully Threaded Optional (not in set)	
Cat. No.	Length	Qty. in Set	Cat. No.	Length	Qty. in Set	Cat. No.	Length
1146-30	30mm	2	1146-40-32	40mm	1	1146-30-99	30mm
1146-35	35mm	2	1146-45-32	45mm	1	1146-35-99	35mm
1146-40	40mm	2	1146-50-32	50mm	1	1146-40-99	40mm
1146-45	45mm	2	1146-55-32	55mm	1	1146-45-99	45mm
1146-50	50mm	2	1146-60-32	60mm	1	1146-50-99	50mm
1146-55	55mm	2	1146-65-32	65mm	1	1146-55-99	55mm
1146-60	60mm	2	1146-70-32	70mm	2	1146-60-99	60mm
1146-65	65mm	2	1146-75-32	75mm	2	1146-65-99	65mm
1146-70	70mm	4	1146-80-32	80mm	2	1146-70-99	70mm
1146-75	75mm	4	1146-85-32	85mm	2	1146-75-99	75mm
1146-80	80mm	4	1146-90-32	90mm	2	1146-80-99	80mm
1146-85	85mm	4	1146-95-32	95mm	2	1146-85-99	85mm
1146-90	90mm	4	1146-100-32	100mm	2	1146-90-99	90mm
1146-95	95mm	4	1146-105-32	105mm	1	1146-95-99	95mm
1146-100	100mm	4	1146-110-32	110mm	1	1146-100-99	100mm
1146-105	105mm	2	1146-115-32	115mm	1	1146-105-99	105mm
1146-110	110mm	2	1146-120-32	120mm	1	1146-110-99	110mm
1146-115	115mm	2				1146-115-99	115mm
1146-120	120mm	2				1146-120-99	120mm
1146-125	125mm	2				1146-125-99	125mm
1146-130	130mm	2				1146-130-99	130mm

MINI MAGNA-FX CANNULATED SCREWS

4.0mm Threaded Diameter						5.0 Thread Diameter					
Qty. in			Qty. in			Qty. in			Qty. in		
Cat. No.	Length	Set	Cat. No.	Length	Set	Cat. No.	Length	Set	Cat. No.	Length	Set
1142-40-12	12mm	1	1142-41-24	24mm	1	1142-50-12	12mm	1	1142-51-24	24mm	1
1142-40-16	16mm	1	1142-41-26	26mm	1	1142-50-16	16mm	1	1142-51-28	28mm	1
1142-40-20	20mm	1	1142-41-28	28mm	1	1142-50-20	20mm	1	1142-51-30	30mm	1
1142-40-24	24mm	1	1142-41-30	30mm	1	1142-50-24	24mm	1	1142-51-32	32mm	1
1142-40-28	28mm	2	1142-41-32	32mm	1	1142-50-28	28mm	2	1142-51-34	34mm	1
1142-40-32	32mm	2	1142-41-34	34mm	1	1142-50-32	32mm	2	1142-51-36	36mm	1
1142-40-36	36mm	2	1142-41-36	36mm	2	1142-50-36	36mm	2	1142-51-38	38mm	1
1142-40-40	40mm	2	1142-41-38	38mm	2	1142-50-40	40mm	2	1142-51-40	40mm	1
1142-40-44	44mm	1	1142-41-40	40mm	2	1142-50-44	44mm	1	1142-51-42	42mm	1
1142-40-48	48mm	1	1142-41-42	42mm	2	1142-50-48	48mm	1	1142-51-44	44mm	1
1142-40-55	55mm	1	1142-41-44	44mm	2	1142-50-55	55mm	1	1142-51-46	46mm	1
1142-40-65	65mm	1	1142-41-46	46mm	2	1142-50-65	65mm	1	1142-51-50	50mm	1
			1142-41-48	48mm	1				1142-51-55	55mm	1
			1142-41-50	50mm	1				1142-51-60	60mm	1
			1142-41-55	55mm	1				1142-51-65	65mm	1
			1142-41-60	60mm	1				1142-51-70	70mm	1
			1142-41-65	65mm	1						
			1142-41-70	70mm	1						

Contact your Zimmer representative, or visit us at www.zimmer.com.



Please refer to package insert for complete product information including contraindications, warnings, precautions, and adverse effects.

WARNING: This device is not approved by the FDA for screw attachment or fixation to the posterior elements (pedicles) of the cervical, thoracic, or lumbar spine.



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