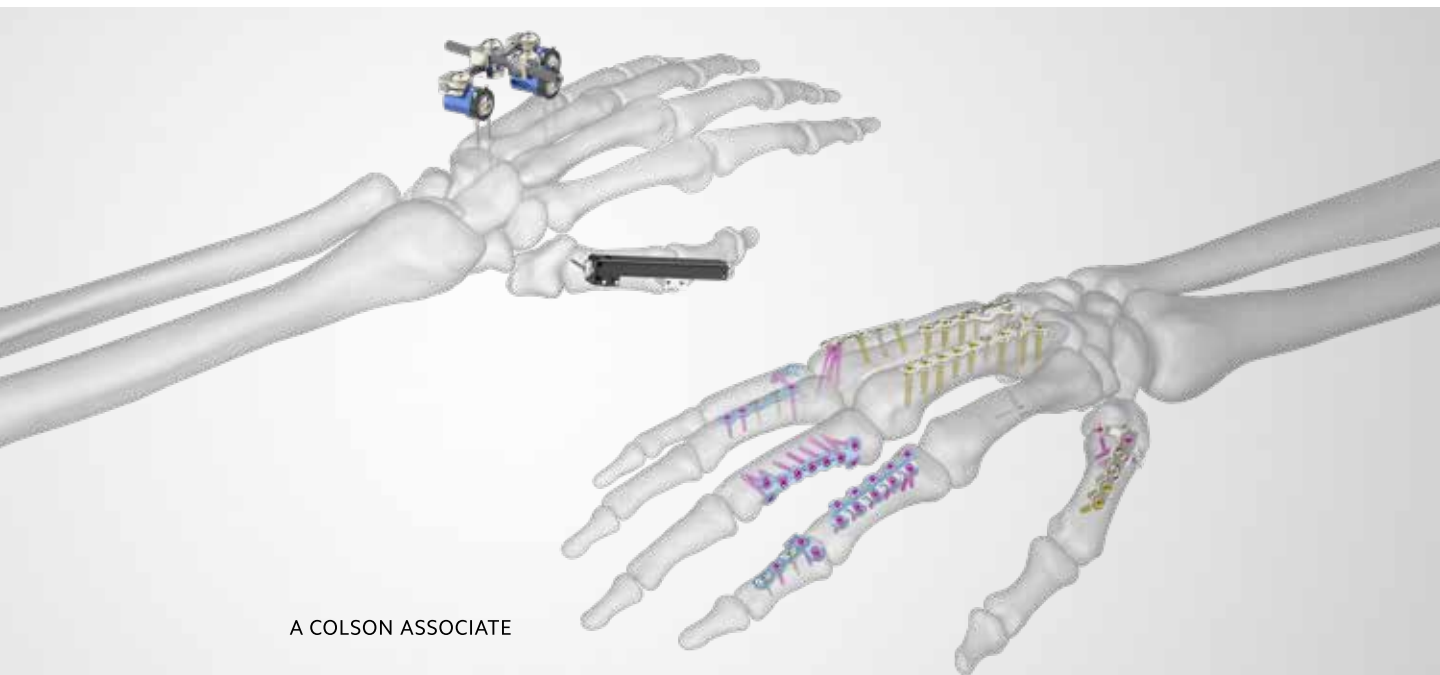


Product Overview



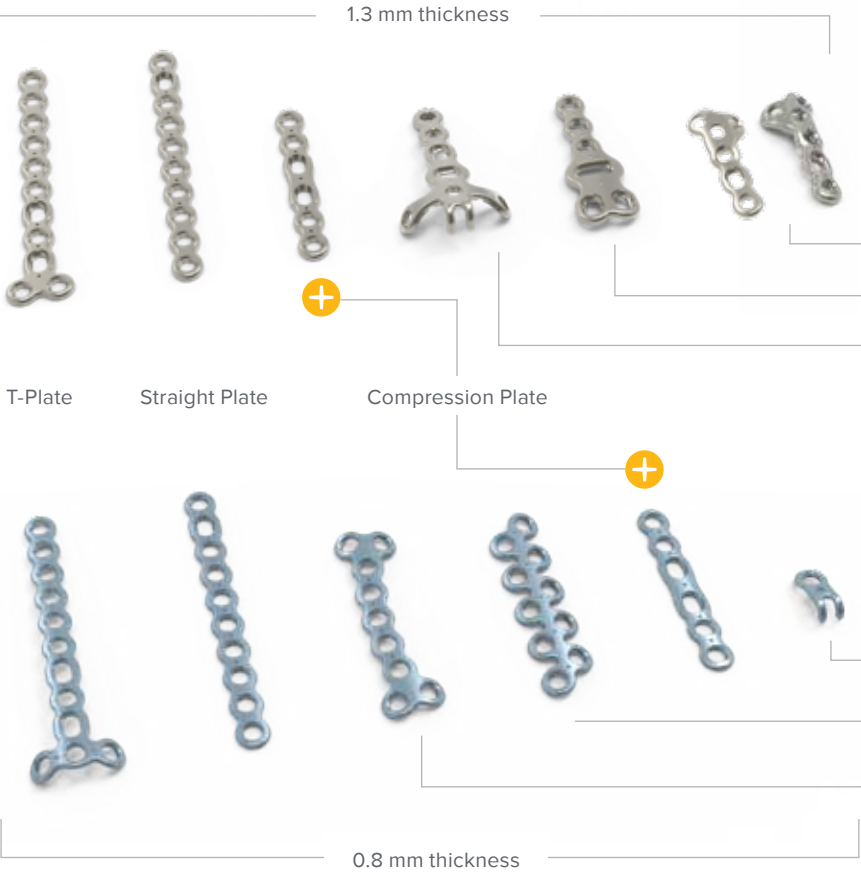
A COLSON ASSOCIATE



Acumed® Hand Fracture System

The Acumed Hand Fracture System is designed to provide both standard and fracture-specific fixation for metacarpal and phalangeal fractures, as well as fixation for fusions and osteotomies. This comprehensive system contains plates for fractures of the base of the first metacarpal, avulsion fractures, and rotational malunions. Additionally, the system contains standard-shaped, cut-to-length and bend-to-fit plates and hexalobe lag screws for less complicated fractures.

Low-profile plates and screws and a rounded-edge plate cutter are designed to minimize soft tissue irritation. Versatile screws, customizable plates, and dedicated instrumentation offer a comprehensive system to streamline the surgical experience.



1.3 mm thickness

T-Plate

Straight Plate

Compression Plate



0.8 mm thickness

Plates and Screws

The Acumed Hand Fracture System offers plates in 0.8 mm and 1.3 mm thicknesses.

Metacarpal Neck Plate, Left and Right

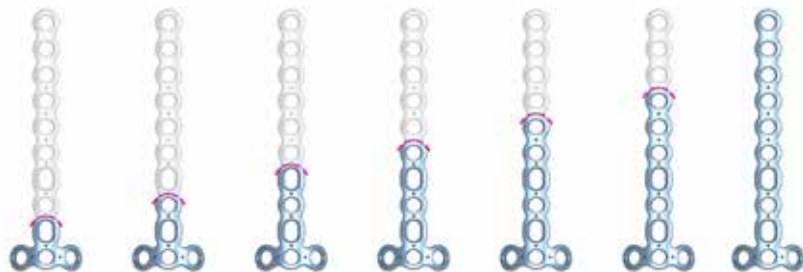
Rotational Correction Plate

Rolando Fracture Hook Plate

Avulsion Fracture Plate

Offset Plate

Curved Medial/Lateral Plate



Customizable Standard Plates

Most plates can be cut to length and bent to fit to better treat a wide variety of fracture patterns. A plate cutter included in the system is designed to create a smooth, rounded edge.

0.8 mm T-Plate



1.3 mm Straight Plate

Multiple Choices, Multiple Options

Diaphyseal Fractures

0.8 Curved Medial/Lateral Plate

Distal Phalangeal Fractures

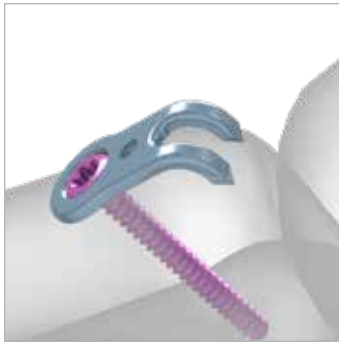
0.8 Curved Medial/Lateral Plate

Comminuted Fractures

0.8 Offset Plate



Note: Not all configurations and options are shown



Specialty Plates

Avulsion Fracture

The 0.8 mm Avulsion Hook Plate is designed for periarticular fractures where the fragment contains a soft tissue insertion.



Rolando Fracture

The 1.3 mm Rolando Fracture Hook Plate is designed to treat a Y- or T-shaped fracture pattern at the base of the first metacarpal.



Metacarpal Neck Fracture

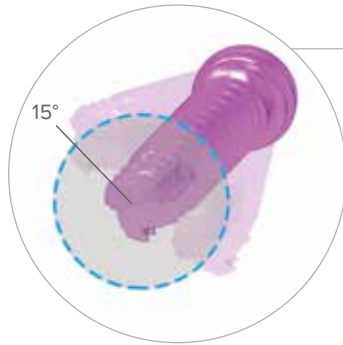
The 1.3 mm Metacarpal Neck Plate has three distally pointing converging screws to provide metacarpal head fixation.



Rotational Malunion Osteotomy

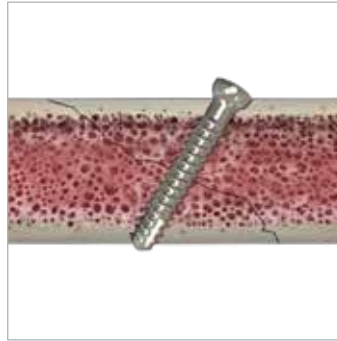
The 1.3 mm Rotational Correction Plate system includes a Rotational Osteotomy Cutting Guide designed to facilitate placement and orientation of the cut for rotational osteotomies of the metacarpals.

Screw Technology



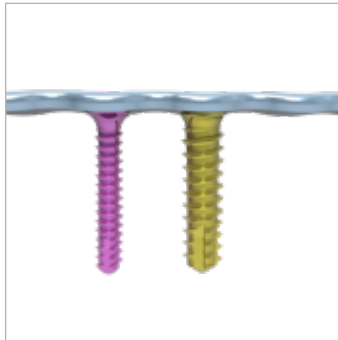
Locking Variable Angle Screws

Hexalobe MultiScrews allow for variable angle screw insertion up to 15 degrees in any direction, for a total of 30 degrees.



Hexalobe Lag Screws

These screws are designed to be used as an adjunct to plate fixation or for fractures that can be treated with lag screws alone. Acumed's 1.5 mm and 2.3 mm Hexalobe Lag Screws do not require overdrilling of the near cortex.



Versatile Hexalobe MultiScrews

The 1.5 mm and 2.3 mm Hexalobe MultiScrews can be used in plates of either 0.8 mm or 1.3 mm thickness. The SaveLock Compression Sleeve allows these screws to function as both locking and nonlocking screws.



Small Bone External Fixation System

Small Bone Fixator

With a straightforward application, this fixator's modular design enables pins to be placed in multiplanar arrangements, allowing the frame to be built around the fractures.

Small Bone Distractor

This lightweight, low-profile fixator can be adjusted to the amount of distraction/compression desired by the surgeon.



Key Instruments

SaveLock Compression Sleeve

The instrument covers the threads on the head of the Hexalobe MultiScrews while compressing the plate to the bone when inserting the screw. The sleeve is threaded over the screw head only and prevents these threads from engaging the plate when inserting the screw shaft into the bone.

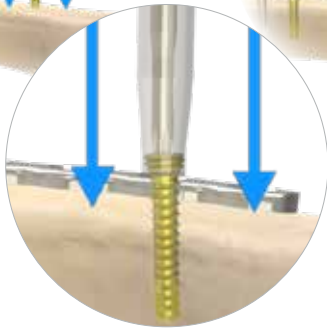
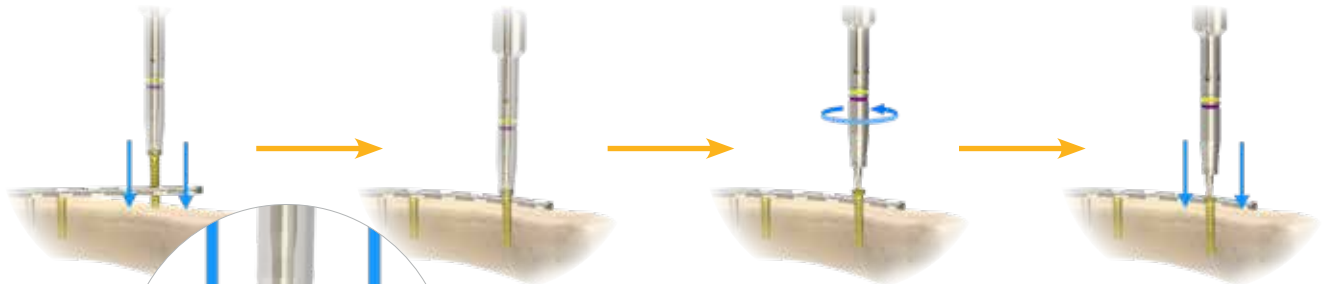
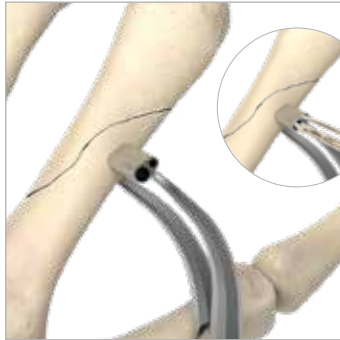


Plate Cutter

Fracture-specific and standard plates can be bent to fit and cut to length to better treat a wide variety of fracture patterns. A plate cutter included in the system is designed to create a smooth, rounded edge.





Key Instruments

Percutaneous Bone Clamp

The 1.1mm/2.0 mm clamp is a double-barreled drill guide that aids in provisional fixation and drilling. One barrel is used to insert a K-wire across the fracture while the other barrel guides the drill.

Rotational Osteotomy Cutting Guide

This guide is designed to facilitate placement and orientation of cuts for rotational osteotomies of the metacarpals.



Single Pointed Reduction Forceps

Sharp end points engage the divots between screw holes on the plate to hold it securely to the bone during plate placement and fracture reduction.



Rolando Fracture Hook Plate
First metacarpal base fracture fixation

Small Bone Distractor
Metacarpal osteotomy and
subsequent lengthening

Curved Medial/Lateral Plate
Proximal phalanx fracture fixation



Metacarpal Neck Plate
Fifth metacarpal neck fracture fixation

Straight Plate
Metacarpal phalange fusion

T-Plate and Lag Screw
Third metacarpal fracture

1.3 mm Rolando Fracture Hook Plate*

Exposure



Fracture Reduction and Plate Placement



Drilling Distal Screw Hole



Determining Screw Length



Exposure and Fracture Reduction



Plate Placement



Proximal Screw Insertion



1.3 mm Metacarpal Neck Plate*

Exposure



Osteotomy Cut

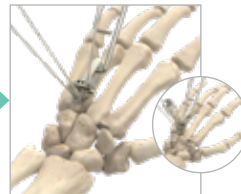
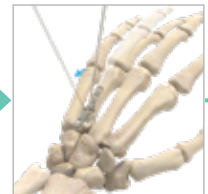


Plate Placement and Rotational Correction



1.3 mm Rotational Correction Plate*

*For reference only. For full instructions, see the current Hand Fracture System Surgical Technique.

Screw Insertion



Drilling Proximal Holes



Proximal Screw Insertion



Final Screw Insertion



Distal Cluster Screw Preparation



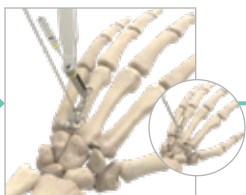
Screw Insertion



Closure and Postoperative Protocol



Distal Screw Insertion



Osteotomy Compression



Proximal Screw Insertion



Closure and Postoperative Protocol



	Product in Portfolio	Partial Offering	Acumed	DePuy Synthes	Stryker	Smith & Nephew
Shoulder	Clavicle/Scapula	Superior Clavicle Plates	✓	✓	✓	✓
		Anterior Clavicle Plates	✓	✓	✓	✓
		Hook Plates	✗	✓	✓	✗
		Scapula Border Plates	✓	✗	✗	✗
		Glenoid Plates	✓	✗	✗	✗
		Acromion Plates	✓	✗	✗	✗
		Clavicle Screws/Pins	✓	✗	✗	✗
		Proximal Humeral Nails	✓	✓	✓	✓
		Proximal Humeral Plates	✓	✓	✓	✓
		Midshaft Plates	✗	✓	✓	✓
Elbow	Proximal Ulna	90/90 Plates	✓	✓	✓	✓
		Parallel Plates	✓	✓	✓	✓
		External Fixation	✗	✓	✓	✓
		Olecranon Plates	✓	✓	✓	✓
		Coronoid Plates	✓	✗	✗	✗
Forearm	Radial Head	Proximal Ulna Nails	⚙️	✓	✗	✗
		Radial Head Plates	✓	✓	✓	✗
		Radial Head Replacement, Short Stem	✓	✗	✗	✗
		Radial Head Replacement, Long Stem	✓	✗	✗	✗
		Ulna Plates	✓	✓	✓	✓
Forearm	Radial Head	Anatomic Midshaft Volar Radius Plates	✓	✗	✗	✗

Wrist	Midshaft Forearm	Dorsolateral Midshaft Radius Plates	✓	✗	✗	✗
		Ulna Nails	✓	✗	✗	✓
		Radius Nails	✓	✗	✗	✓
	Distal Ulna	Distal Ulna Plates	✓	✓	✗	✗
		Ulnar Shortening Plates	✓	✓	✗	✗
	Distal Radius	Volar Distal Radius Plates	✓	✓	✓	✓
		Dorsal Distal Radius Plates	✓	✓	✓	✗
		Radial Styloid Plate	✓	✓	✓	✗
		Dorsal Rim Plates	✓	✗	✗	✗
		Dorsal Lunate Plates	✓	✗	✗	✗
Volar Lunate Plates		✓	✗	✗	✗	
Wrist Spanning Plates		✓	✗	✗	✗	
External Fixation		✓	✓	✓	✓	
Carpal		Wrist Fusion	✓	✓	✓	✗
		Nitinol Staples	⚙️	✓	✓	✓
Hand	Hand Fracture Plates	✓	✓	✓	✓	
		✓	✓	✓	✓	
	Phalangeal & Metacarpal	MCP Fusion Plates	✓	✓	✓	✓
		External Fixation	✓	✓	✓	✗
	Specialty Hand Plates	✓	✓	✓	✗	
Screws	Headless	✓	✗	✗	✗	
	Headed	Differential Pitch	✗	✓	✓	✓
		Partial Thread	✓	✓	✓	✓
Full Thread	✓	✓	✓	✓		



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Competitor Data Sources

DePuy Synthes website
<https://www.depuysynthes.com/>

Smith & Nephew website
<https://www.smith-nephew.com/>

Stryker website
<https://www.stryker.com/us/en/index.html>

All websites accessed on February 1, 2018

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