Modular Hand System

For more information, please visit: go.acumed.net/mod-hand

Designed to address specific indications throughout the hand, from the carpals to the phalanges, the Acumed® Modular Hand System offers a variety of fusion solutions in a customizable tray. Plates provide fixation for arthritic conditions such as osteoarthritis, scapholunate advanced collapse (SLAC), scaphoid nonunion advanced collapse (SNAC), and carpal instability.

The Modular Hand System plate family includes:

- Hub Cap® Limited Wrist Fusion Plate
- Mini Hub Cap® 4-C Limited Wrist Fusion Plate
- Mini Hub Cap® STT Limited Wrist Fusion Plate
- MCP Fusion Plates

Post-operative image of 4-corner fusion utilizing Hub Cap® Limited Wrist Fusion Plate.

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Modular Hand System Product Overview

**Single Hole**
Acts as a dedicated starting point. It targets the hamate and is designed to facilitate placement of the remaining screws.

**K-wire Hole**
Provides provisional stability.

**Scalloped Holes**
Enable placement of either 1 or 2 nonlocking screws into each carpal, per surgeon preference.

**Rounded and Polished Titanium Crown**
Provides a smooth surface designed to ease tendon movement, while a grit-blasted undersurface is designed to promote bony ongrowth.

**Center Hole**
Allows the Hub Cap Plate Post to be used for provisional stability, leaving space to pack in bone graft when removed. After screw insertion, threading the Hub Cap Screw Cover into the center hole is intended to minimize screw migration and makes the plate a locked construct, used at the surgeon’s discretion.

**Hub Cap Screw Cover**
Intended to minimize screw migration and makes the plate a locked construct.
Mini Hub Cap® 4-C Limited Wrist Fusion Plate
Features a reduced diameter to accommodate smaller patient anatomy.

Mini Hub Cap® STT Limited Wrist Fusion Plate
The only plate in the Hub Cap family that offers 9 different options for up to 6 screws to be placed in 3-corner bone fusions. Hub Cap Plate Post and K-wires may be used with STT plate for provisional fixation.

MCP Fusion Plate
The MCP Fusion Plate is designed specifically for fusions of the first metacarpophalangeal (MCP) joint of the thumb. Left (blue) and right (green) specific plates offer stability for arthritis or chronic instability of the MCP or carpometacarpal (CMC) joint.
Variable Screw Placement
Nonlocking screws are available in two different diameters: 2.1 mm and 2.7 mm. Combined with the fusion plate, these screws are designed to achieve 50° and 33° vertical angles for single-hole and scalloped slots respectively or 40° and 50° horizontal angles for single-hole and scalloped slots respectively to draw the carpals together centrally. The scalloped design and screw-plate interface is designed to allow for variable angulation of the screws into each carpal bone.

Provisional Stability During Insertion
The Hub Cap Limited Wrist Fusion plates feature K-wire holes and utilize the Hub Cap® Plate Post, which are both designed to provide early stability during screw placement. Creating early stability may lessen the chance of potential plate tilt, which could lead to plate prominence above the dorsal surface of the carpals.

Instrumentation
The Dual-purpose Reamer
The dual-purpose reamer is designed to capture and contain bone debris as it creates the spherical depression to prepare the fusion site for the Hub Cap® and Mini Hub Cap® plates.

A unique bone graft harvester is designed to harvest autograft from the distal radius and iliac crest.

Small Joint Reamers
These reamers are cannulated for K-wire use during phalangeal fusion procedures and are designed to create congruent joint surfaces for bone union. Reamer sizes include 14 mm and 16 mm concave and convex options.
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