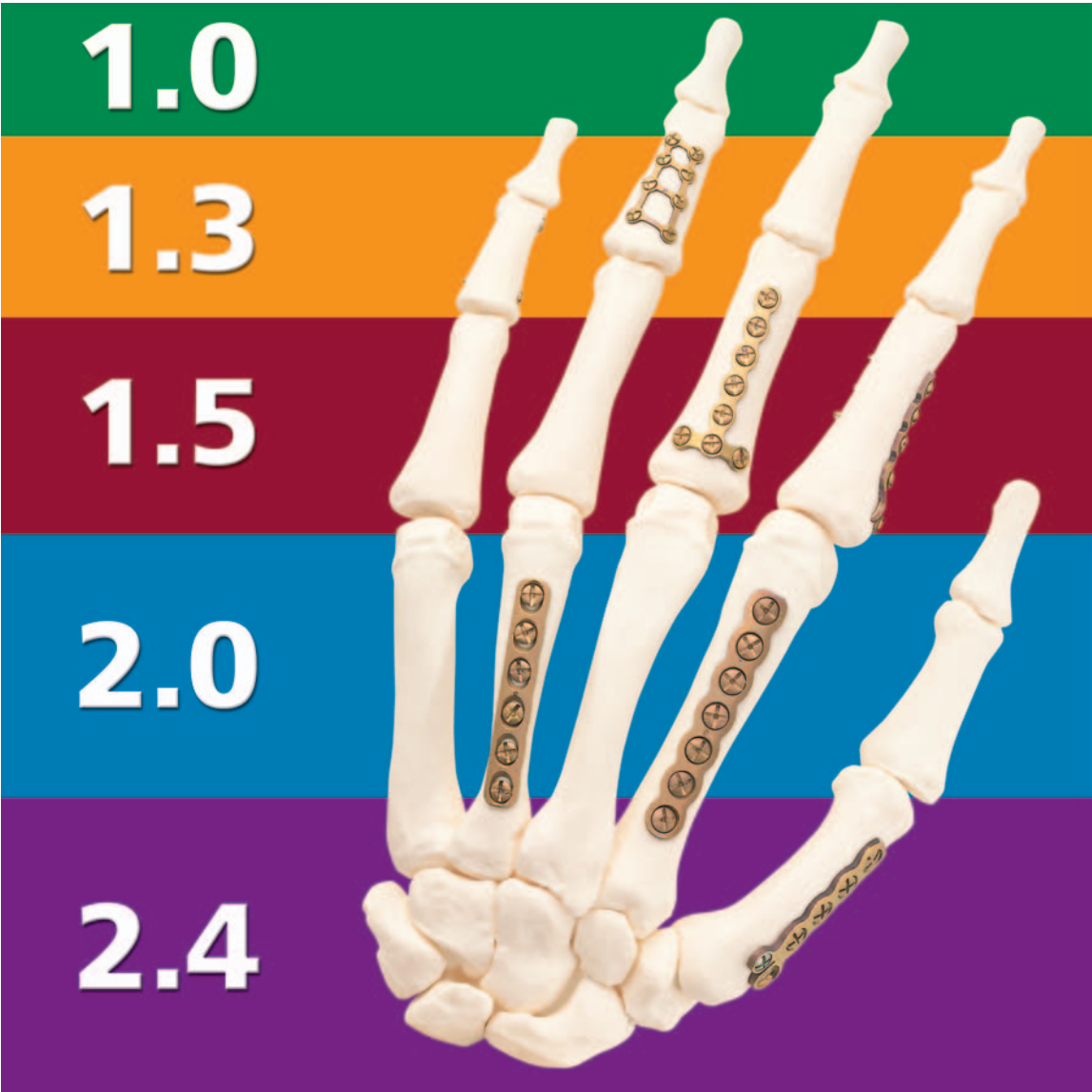
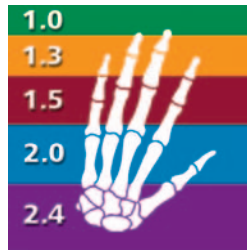


# The Modular Hand System



## The Modular Hand System



The Modular

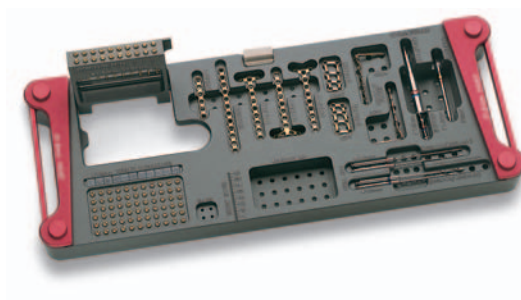
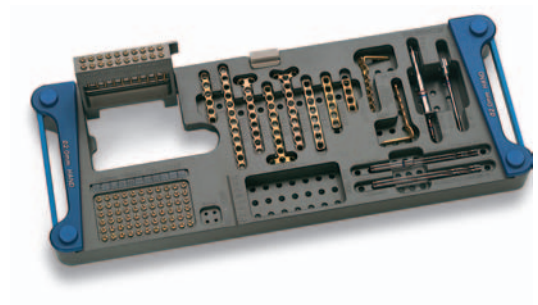
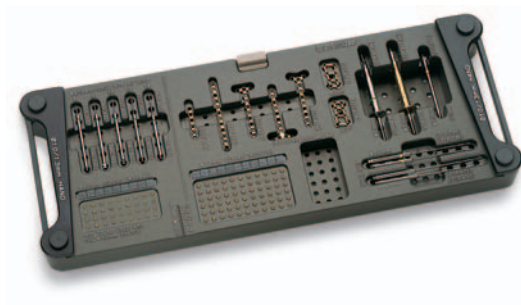
## Hand System

The SYNTHES® Modular Hand System provides implants and instruments specifically designed for fractures, replantations and reconstruction of the hand.

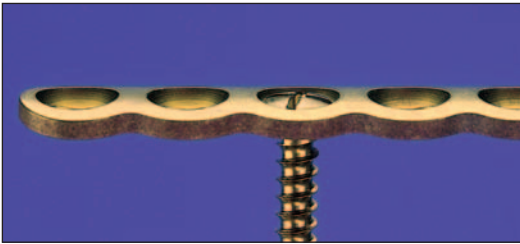
### Features

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- Modules for 1.0mm/1.3mm, 1.5mm, 2.0mm, and 2.4mm implants
- Titanium implants with low profile
- Instruments are colour-coded for easy recognition
- Instrument Tray supports all modules in the Modular Hand System



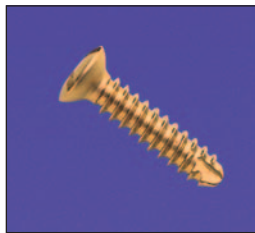
## Screws



Low plate profile

### Screws in the Modular Hand System

- Self-tapping design for easy insertion
- Low-profile head to reduce soft tissue irritation
- Thread design provides optimal purchase in bone
- Pure Titanium for biocompatibility
- Screw lengths available up to 38mm for 2.0mm and 2.4mm



### Self-tapping flutes



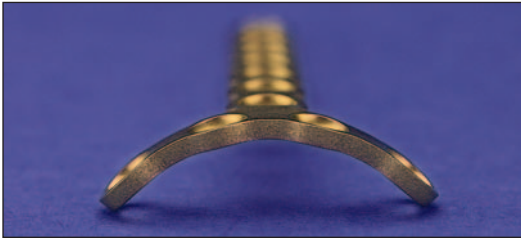
### Low profile screw head

## Indications

MODULES	Distal Phalanges	Middle Phalanges	Proximal Phalanges	Metacarpals and Carpals
1.0mm*	screws only			
1.3mm*				
1.5mm				
2.0mm				
2.4mm				

\* 1.0mm and 1.3mm screws are combined in one module. For a complete list of module contents, see back cover.

## Plates



Precontoured for anatomic fit

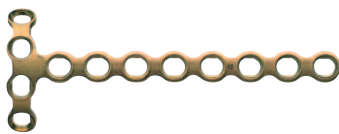
### Plates in the Modular Hand System

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- Low profile to reduce soft tissue irritation
- Precontoured for anatomic fit
- Cut-to-length feature to minimize inventory
- Titanium for biocompatibility
- LC-DCP and compression hole designs available



Low profile



### T-Plates

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- Available in all sizes: 1.3mm, 1.5mm, 2.0mm, and 2.4mm
- Available with 2, 3, or 4 holes in the head of the plate



### Straight Plates

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- Available in all sizes: 1.3mm, 1.5mm, 2.0mm, and 2.4mm
- Available in 6- and 12-hole lengths



### Straight LC-DC Plates

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- Available in two sizes: 2.0mm and 2.4mm
- Available in 4-, 6- and 12-hole lengths

## Plates



### Extended H-Plates

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- Available in two sizes: 1.3mm and 1.5mm
- Available right and left designs



### Y-Plates

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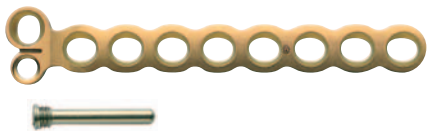
- Available in all sizes: 1.3mm, 1.5mm, 2.0mm, and 2.4mm
- Can be cut to create an oblique L-Plate



### Condylar Plates\*

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- The condylar plates 1.5 and 2.0 have fixed blades.
- The plate 2.4 accepts a 1.8mm Buttress Pin to provide the option of a fixed angle construct.
- Can be cut to create an oblique L-Plate
- Available in left and right designs



- Use a 1.8mm Buttress Pin for the Condylar Plate 2.4

\* Note: For surgical technique, refer to the AO Manual of Internal Fixation of Small Fractures, Springer Verlag.







## Instruments

### Colour-coded instruments in each module

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Drill bits, countersinks, and screwdriver shafts are colour-coded for easy recognition to correspond to the screw size.

#### Module 1.0/1.3

-  0.76mm Drill Bit
-  1.0mm Drill Bit
-  1.3mm Drill Bit
-  Countersink 1.3/1.5
-  Screwdriver Shaft with Holding Sleeve for 1.0mm screws
-  Screwdriver Shaft with Holding Sleeve for 1.3mm screws





#### Module 1.5

-  1.1mm Drill Bit
-  1.5mm Drill Bit
-  Countersink 1.3/1.5
-  Screwdriver Shaft with Holding Sleeve for 1.5mm and 2.0mm screws

#### Module 2.0

-  1.5mm Drill Bit
-  2.0mm Drill Bit
-  Countersink 2.0/2.4
-  Screwdriver Shaft with Holding Sleeve for 1.5mm and 2.0mm screws

#### Module 2.4

-  1.8mm Drill Bit
-  2.4mm Drill Bit
-  2.0mm/2.4mm Countersink
-  Screwdriver Shaft with Holding Sleeve for 2.4mm screws



## Instruments

### Instruments for the Modular Hand System

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The instruments that are stored in the light-weight, removable tray, may be used with all four modules.

The wide selection of instruments will meet the demands of a variety of surgical indications:

- Bending and Cutting Pliers
- Elevators and Retractors
- Universal Drill Guides
- Double Drill Sleeves
- Depth Gauges
- Screwdrivers
- Forceps



Universal Instrument Tray

Bending Cutting Pliers 391.962



Universal Bending Pliers 391.963



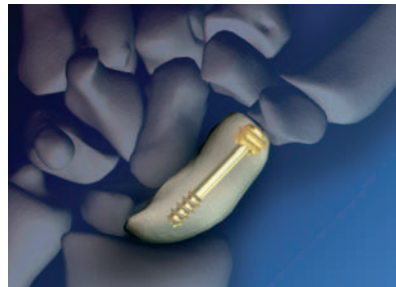
## **Addition**

### **Additional SYNTHES® products for treatment of the wrist and hand:**

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Wrist Fusion Plate



3.0mm Cannulated Screw  
with Threaded Washer



Distal Radius Plate

**AO/ASIF Association for the Study of  
Internal Fixation**

**Mathys Medical Ltd**

- **Worldwide scientific support**
- **Clinical education and documentation**

- **International service**
- **Professional support**
- **Product development and production according to the highest medical and technical standards**



## Ordering Information

<b>145.200</b>	<b>Modular Hand System, complete</b>		<b>145.202</b>	<b>Hand Module 1.0/1.3, pure titanium</b>	
304.570	Graphic Case with Instrument Trays for Modular Hand System	1	304.576	Hand Module 1.0/1.3, with two 306.668 Screw-Length Marker Kit for Hand Modules, without contents	1
145.201	Instruments for Modular Hand System	1		Instruments	
145.202	Hand Module 1.0/1.3, pure titanium	1	310.971	Countersink for 1.3mm/1.5mm Screws	1
145.203	Hand Module 1.5, pure titanium	1	314.411	Screwdriver Shaft 1.3, cruciform, with Holding Sleeve	1
145.204	Hand Module 2.0, pure titanium	1	314.480	Screwdriver Shaft 1.0, cruciform, with Holding Sleeve	1
145.205	Hand Module 2.4, pure titanium	1	316.286	Drill Bit, 0.76mm dia., with Stop, drilling depth 6mm, for mini quick coupling	1
<b>145.201</b>	<b>Instruments for Modular Hand System</b>		316.288	Drill Bit, 0.76mm dia., with Stop, drilling depth 8mm, for mini quick coupling	1
311.010	Handle, with mini quick coupling	1	316.290	Drill Bit, 0.76mm dia., with Stop, drilling depth 10mm, for mini quick coupling	1
312.140	Double Drill Sleeve 1.5/1.1	1	316.292	Drill Bit, 0.76mm dia., with Stop, drilling depth 12mm, for mini quick coupling	1
313.940	Screwdriver, 2.4 cruciform, length 195mm	1	316.294	Drill Bit, 0.76mm dia., with Stop, drilling depth 14mm, for mini quick coupling	1
319.004	Depth Gauge for 1.3mm and 1.5mm Screws	1	316.396	Drill Bit, 1.0mm dia., length 60/35mm, for mini quick coupling	2
319.006	Depth Gauge for 2.0mm and 2.4mm Screws	1	316.402	Drill Bit, 1.3mm dia., length 55/40mm, for mini quick coupling	2
319.134	Double Drill Sleeve 1.3/1.0	1		Additionally available Drill Bits for Stryker coupling	
319.390	Sharp Hook, length 155mm	1	316.306	Drill Bit, 0.76mm dia., with Stop, drilling depth 6mm, for Stryker coupling	
323.201	Universal Drill Sleeve 2.0	1	316.308	Drill Bit, 0.76mm dia., with Stop, drilling depth 8mm, for Stryker coupling	
323.202	Universal Drill Sleeve 2.4	1	316.310	Drill Bit, 0.76mm dia., with Stop, drilling depth 10mm, for Stryker coupling	
347.985	Screw Holding Forceps for 1.0mm to 2.0mm Cortex Screws, length 150mm	1	316.312	Drill Bit, 0.76mm dia., with Stop, drilling depth 12mm, for Stryker coupling	
391.962	Bending/Cutting Pliers	1	316.314	Drill Bit, 0.76mm dia., with Stop, drilling depth 14mm, for Stryker coupling	
391.963	Universal Bending Pliers	2	316.236	Drill Bit, 1.0mm dia., length 60/35mm, for Stryker coupling	
398.410	Reduction Forceps with points, wide, length 132mm, ratchet lock	1	316.403	Drill Bit, 1.3mm dia., length 65/40mm, for Stryker coupling	
398.819	Plate Holding Forceps with swivel foot	1		Implants	
398.950	Termite Forceps, length 90mm	1	400.526-	1.0mm Cortex Screws, self-tapping,	
399.180	Retractor, small, 6mm wide, short narrow tip, length 160mm	1	400.534	6, 7, 8, 9, 10, 11, 12, 13, 14mm, pure titanium, 2 ea.	18
399.190	Retractor, small, 8mm wide, short narrow tip, length 160mm	1	400.686-	1.3mm Cortex Screws, self-tapping,	
399.480	Periosteal Elevator, straight edge, 3mm wide, length 200mm	1	400.698	6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18mm, pure titanium, 4 ea.	44
399.481	Periosteal Elevator, round edge, 3mm wide, curved blade	1	421.306	Straight Plate 1.3, 6 holes, length 23mm, pure titanium	1
399.970	Reduction Forceps with points, length 130mm	1	421.312	Straight Plate 1.3, 12 holes, length 47mm, pure titanium	1
			421.320	Extended H-Plate 1.3, right, length 19mm, pure titanium	1
			421.321	Extended H-Plate 1.3, left, length 19mm, pure titanium	1
			421.333	T-Plate 1.3, shaft 8 holes, head 3 holes, length 35mm, pure titanium	1
			421.334	T-Plate 1.3, shaft 8 holes, head 4 holes, length 35mm, pure titanium	1
			421.335	Y-Plate 1.3, shaft 8 holes, head 3 holes, length 37mm, pure titanium	1

## Ordering Information

<b>145.203</b>	<b>Hand Module 1.5, pure titanium</b>		<b>145.204</b>	<b>Hand Module 2.0, pure titanium</b>	
304.577	Hand Module 1.5, with 306.668 Screw-Length Marker Kit for Hand Modules, without contents	1	304.578	Hand Module 2.0, with 306.668 Screw-Length Marker Kit for Hand Modules, without contents	1
Instruments			Instruments		
310.111	Drill Bit, 1.1mm dia., length 55/40mm, for mini quick coupling	2	310.141	Drill Bit, 1.5mm dia., length 65/50mm, for mini quick coupling	2
310.141	Drill Bit, 1.5mm dia., length 65/50mm, for mini quick coupling	2	310.201	Drill Bit, 2.0mm dia., length 65/50mm, for mini quick coupling	2
310.971	Countersink for 1.3/1.5mm Screws	1	310.972	Countersink for 2.0/2.4mm Screws	1
314.670	Screwdriver Shaft 1.5/2.0, cruciform, with Holding Sleeve	1	314.670	Screwdriver Shaft 1.5/2.0, cruciform, with Holding Sleeve	1
Additionally Available Drill Bits for Stryker coupling			Additionally Available Drill Bits for Stryker coupling		
310.113	Drill Bit, 1.1mm dia., length 65/40mm, for Stryker coupling		310.143	Drill Bit, 1.5mm dia., length 75/50mm, for Stryker coupling	
310.143	Drill Bit, 1.5mm dia., length 75/50mm, for Stryker coupling		310.203	Drill Bit, 2.0mm dia., length 75/50mm, for Stryker coupling	
Implants			Implants		
400.806-400.824	1.5mm Cortex Screws, self-tapping, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24mm, pure titanium, 4 ea.	56	401.806-401.824	2.0mm Cortex Screws, self-tapping, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24mm, 4 ea.	56
446.031	Straight Plate 1.5, 6 holes, length 29mm, pure titanium	1	401.826-401.832	2.0mm Cortex Screws, self-tapping, 26, 28, 30, 32mm, pure titanium, 2 ea.	8
446.032	Straight Plate 1.5, 12 holes, length 59mm, pure titanium	1	443.610	Mini Condylar Plate 2.0, left pin, pure titanium	1
446.233	T-Plate 1.5, shaft 8 holes, head 3 holes, length 44mm, pure titanium	1	443.620	Mini Condylar Plate 2.0, right pin, pure titanium	1
446.234	T-Plate 1.5, shaft 8 holes, head 4 holes, length 44mm, pure titanium	1	447.031	Straight Plate 2.0, 6 holes, length 35mm, pure titanium	1
446.482	Extended H-Plate 1.5, right, length 22mm, pure titanium	1	447.032	Straight Plate 2.0, 12 holes, length 71mm, pure titanium	1
446.483	Extended H-Plate 1.5, left, length 22mm, pure titanium	1	447.232	T-Plate 2.0, shaft 8 holes, head 2 holes, length 53mm, pure titanium	1
446.612	Y-Plate 1.5, shaft 8 holes, head 3 holes, pure titanium	1	447.233	T-Plate 2.0, shaft 8 holes, head 3 holes, length 53mm, pure titanium	1
446.630	Mini Condylar Plate 1.5, left pin, pure titanium	1	447.612	Y-Plate 2.0, shaft 8 holes, head 3 holes, length 55mm, pure titanium	1
446.640	Mini Condylar Plate 1.5, right pin, pure titanium	1	449.931	LC-DCP 2.0, 4 holes, length 24mm, pure titanium	1
			449.936	LC-DCP 2.0, 6 holes, length 36mm, pure titanium	1
			449.938	LC-DCP 2.0, 8 holes, length 48mm, pure titanium	1

## Ordering Information

<b>145.205</b>	<b>Hand Module 2.4, pure titanium</b>		Additionally Available Screw-Length Markers, package of 5 units
304.579	Hand Module 2.4, with 306.668 Screw-Length Marker Kit for Hand Modules, without contents	1	304.106 Screw-Length Marker, 6mm
	Instruments		304.107 Screw-Length Marker, 7mm
310.972	Countersink for 2.0/2.4mm Screws	1	304.108 Screw-Length Marker, 8mm
312.920	Drill Sleeve, threaded, 1.8	1	304.109 Screw-Length Marker, 9mm
317.861	Drill Bit, 1.8mm dia., length 80/65mm, mini quick coupling	2	304.110 Screw-Length Marker, 10mm
317.871	Drill Bit, 2.4mm dia., length 80/65mm, mini quick coupling	2	304.111 Screw-Length Marker, 11mm
329.090	Bending Iron for Distal Radius Plate and Condylar Plate 2.4	1	304.112 Screw-Length Marker, 12mm
	Additionally Available Drill Bits for Stryker coupling		304.113 Screw-Length Marker, 13mm
317.867	Drill Bit, 1.8mm dia., length 90/65mm, for Stryker coupling		
317.872	Drill Bit, 2.4mm dia., length 90/65mm, for Stryker coupling		
	Implants		
401.506-401.524	2.4mm Cortex Screws, self-tapping, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24mm, pure titanium, 4 ea.	56	
401.526-401.532	2.4mm Cortex Screws, self-tapping, 26, 28, 30, 32mm, pure titanium, 2 ea.	8	
401.968	1.8mm Buttress Pin, length 18mm, pure titanium	4	
449.906	Straight Plate 2.4, 6 holes, length 36mm, pure titanium	1	
449.912	Straight Plate 2.4, 12 holes, length 72mm, pure titanium	1	
449.913	T-Plate 2.4, shaft 8 holes, head 2 holes, length 54mm, pure titanium	1	
449.914	T-Plate 2.4, shaft 8 holes, head 3 holes, length 54mm, pure titanium	1	
449.915	Y-Plate 2.4, shaft 8 holes, head 3 holes, length 56mm, pure titanium	1	
449.916	Condylar Plate 2.4, 8 holes, right, length 57mm, pure titanium	1	
449.917	Condylar Plate 2.4, 8 holes, left, length 57mm, pure titanium	1	
449.924	LC-DCP 2.4, 4 holes, length 31mm, pure titanium	1	
449.926	LC-DCP 2.4, 6 holes, length 47mm, pure titanium	1	
449.928	LC-DCP 2.4, 8 holes, length 63mm, pure titanium	1	



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