

# Chronoceptor™

For Mecron™  
Cannulated Screw System



Merete's **Chronoceptor™** reduces screw implantation time and eliminates back table hand-offs by combining K-wire, pilot drill, countersink and length gauge into a single sterile instrument. Designed for use with **Mecron™, the original cannulated screw system.**

**Chronoceptor™** streamlines your OR by simplifying common AO techniques and eliminating many of the instrument hand-offs between the surgeon and scrub tech.

- Reduce OR time
- Reduce OR complexity
- Reduce instrument hand-offs
- Reduce fluoroscopy time
- Reduce exposure time
- Optimized efficiency when used with the Mecron™ Cannulated Screw System



Scan QR Code  
to Witness Efficiency

**A Better, Smoother,  
More Efficient Implant System**

~ 5.0  
Minutes\*

### Steps with AO Sequence without Chronoceptor™ as shown in video

- 1 Screw: 18 Steps, 12 Hand-Offs, 2.5 Minutes (referenced below)
- 2 Screws: 36 Steps, 24 Hand-Offs, 5.0 Minutes

\*Time to implant two screws



- 1 Receive K-Wire
- 2 Throw K-Wire
- 3 Pass back driver

- 4 Receive length gauge
- 5 Measure length
- 6 Pass back length gauge

- 7 Receive drill
- 8 Drill pilot-hole
- 9 Pass back driver



- 10 Receive countersink
- 11 Countersink
- 12 Pass back driver

- 13 Receive screw
- 14 Implant screw
- 15 Pass back driver

- 16 Take K-wire driver
- 17 Remove K-wire
- 18 Pass back driver

**SAVE TIME AND REDUCE COMPLEXITY**

~ 90  
Seconds\*

### Steps with Chronoceptor™ as shown in video

- 1 Screw: 9 Steps, 4 Hand-Offs, 50 Seconds (referenced below)
- 2 Screws: 18 Steps, 8 Hand-Offs, 90 Seconds

\*Time to implant two screws



- 1 Receive Chronoceptor™
- 2 Advance trocar tip

- 3 Advance drill to prepare to pilot-hole

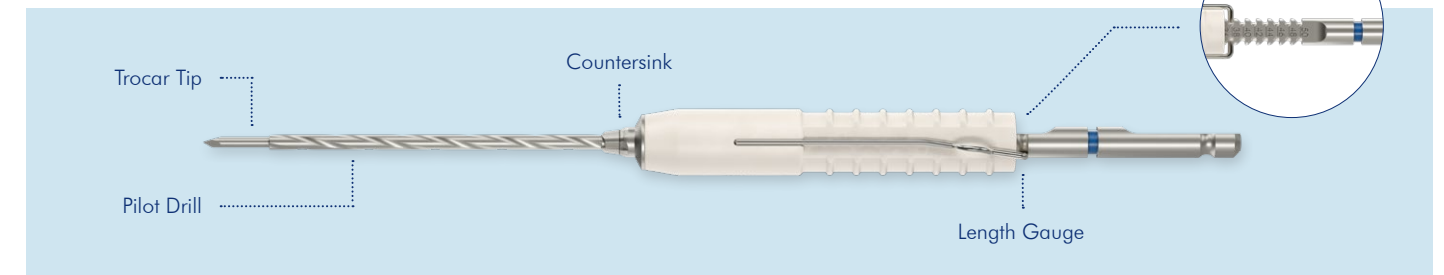
- 4 Slide handle forward to measure the length

- 5 Countersink for headed and headless screws

- 6 Pass back Chronoceptor™

- 7 Receive screw
- 8 Implant screw
- 9 Pass back driver

### Chronoceptor™



### Chronoceptor™ instrumentation according to screw diameter

Screw Ø Size in mm	Screw Color	Drill Size in mm	Countersink Size in mm		Trocar Size in mm	Chronoceptor™ Ref.
			Headed	Headless		
2.0	White	1.7	4.0	3.2	1.3	CH15100S
2.5	Magenta	1.7	4.0	3.2	1.3	CH15100S
3.0	Blue	2.1	5.0	3.5	1.5	CH15101S
3.5	Green	2.5	5.0	3.5	1.6	CH15102S
4.0	Gold	2.5	6.0	4.0	1.6	CH15102S

### Mecron™ Cannulated Screw System, headed, non-sterile

Description			Screw Color	Ref.	
DIA 2.0 mm, short thread	8-50 mm	(2 mm increments)		CH20108T - CH20150T	
DIA 2.0 mm, full thread	8-50 mm	(2 mm increments)		CH20208T - CH20250T	
DIA 2.5 mm, short thread	10-50 mm	(2 mm increments)		CH25110T - CH25150T	
DIA 2.5 mm, full thread	10-50 mm	(2 mm increments)		CH25210T - CH25250T	
DIA 3.0 mm, short thread	10-50 mm	(2 mm increments)		CH30110T - CH30150T	
DIA 3.0 mm, full thread	10-50 mm	(2 mm increments)		CH30210T - CH30250T	
DIA 3.5 mm, short thread	10-50 mm	(2 mm increments)		CH35110T - CH35150T	
DIA 3.5 mm, full thread	10-50 mm	(2 mm increments)		CH35210T - CH35250T	
DIA 4.0 mm, short thread	10-50 mm	(2 mm increments)		CH40110T - CH40150T	
DIA 4.0 mm, long thread	10-50 mm	(2 mm increments)		CH40210T - CH40250T	
DIA 4.0 mm, full thread	10-50 mm	(2 mm increments)		CH40310T - CH40350T	

### Mecron™ Cannulated Screw System, headless, non-sterile

Description			Screw Color	Ref.	
DIA 2.0 mm, short thread	8-50 mm	(2 mm increments)		CH20108T - CH20150T	
DIA 2.5 mm, short thread	10-50 mm	(2 mm increments)		CH25110T - CH25150T	
DIA 3.0 mm, short thread	10-50 mm	(2 mm increments)		CH30110T - CH30150T	
DIA 3.5 mm, short thread	10-50 mm	(2 mm increments)		CH35110T - CH35150T	
DIA 4.0 mm, short thread	10-50 mm	(2 mm increments)		CH40110T - CH40150T	
DIA 4.0 mm, long thread	10-50 mm	(2 mm increments)		CH40210T - CH40250T	



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