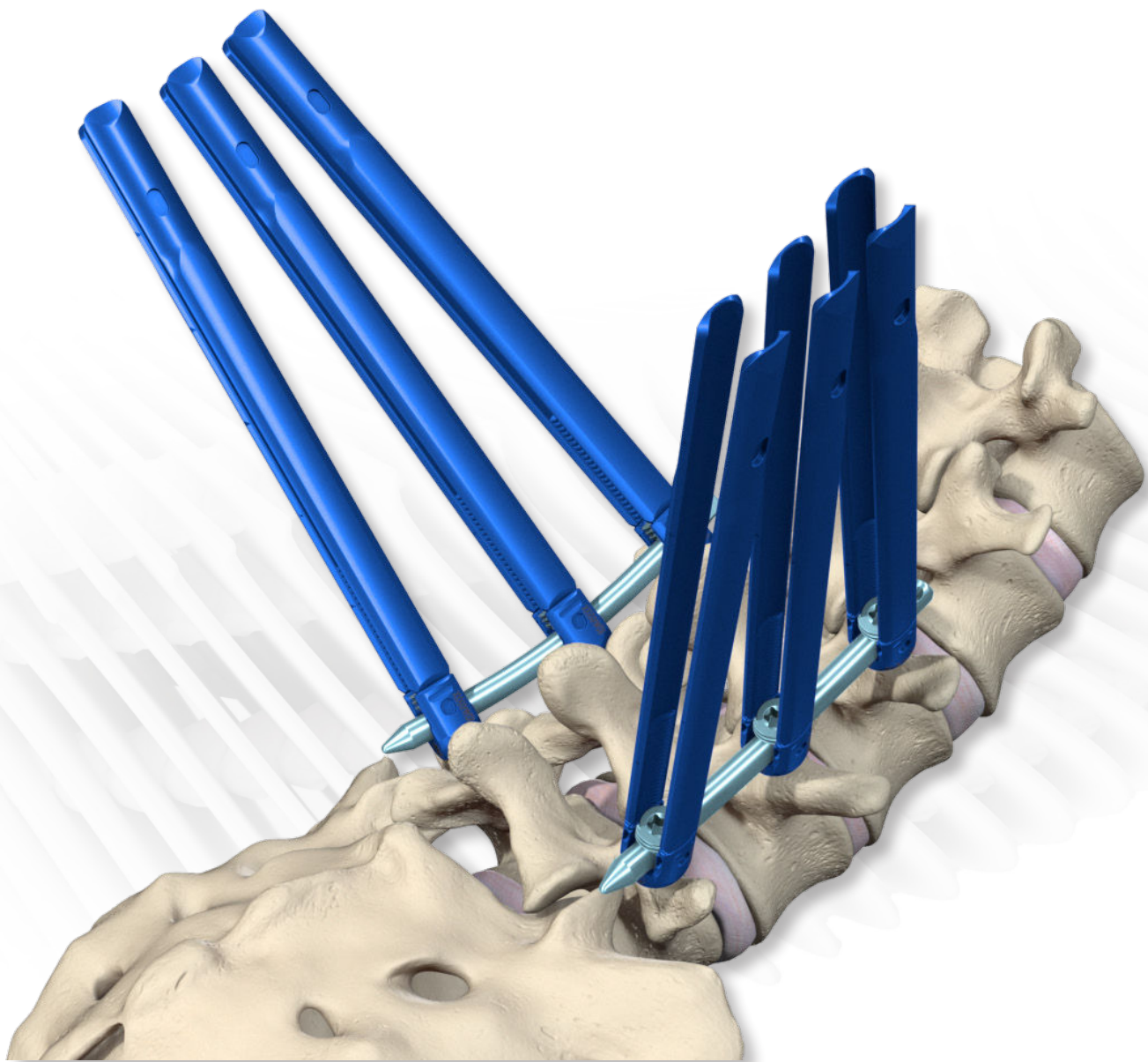


# Vital™ MIS Spinal Fixation System

System Overview



HIGHRIDGE

# Vital MIS Implant Features

## Integrated Extension Tabs

Fully machined integrated extension tabs remove the concern for weld breaks.

- Open extended tab design allows for increased visualization and easier placement of percutaneous rods.
- 30 mm of integrated reduction threads.

## Multiple Instrument Connection Features

- The multiple pedicle screw head connection points allow various instruments to quickly and securely attach, simplifying manipulation maneuvers.
- After the disposable, integrated extension tabs have been removed, all Vital (open) instrumentation is compatible with Vital MIS screws.

## Fully Threaded Cannulated Dual-lead Screw Shank

- Self-tapping fully threaded cannulated screw shank designed to improve the starting characteristics and improve bone screw fixation while reducing insertion torque.
- Improves surgeon efficiency by allowing pedicle screw insertion twice as fast as comparable single lead pedicle screws without sacrificing pull-out strength.<sup>1</sup>

## T27 Hexalobe Drive Feature

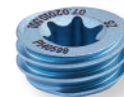
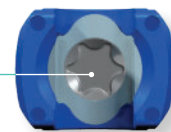
- Screws and closure tops utilize a T27 drive feature (one of the largest in the industry): 30% stronger than a T25 (MDT), 90% greater strength than a T20 (D/S).

## Dual-lead Reverse Angle Thread Closure Top

- Dual-lead reverse angle thread designed to improve engagement, advance quickly and help prevent head splay.
- Closure top design supports loosening after final tightening and re-tightening of closure top without performance loss.

## Percutaneous Rod Options

- Pre-bent and straight rod options standard in the set.
- Pre-bent rods can attach to rod holders in either lordotic or kyphotic orientation to accommodate thoracic or lumbar curves.



# Vital MIS Instrument Features

## Pedicle Access Tool (PAT)

- Minimizes steps by combining a pedicle targeting needle and a tap into one instrument.

## Pedicle Access Screw Insertion Tool (PASIT)

- Minimizes steps by providing a direct-to-screw insertion option for surgeons.

## Reinforcement Sleeve

- Connects to the head of the pedicle screw (below perforation), adding strength to the extended tabs to allow for reduction, compression and distraction maneuvers.



## Multiple Rod Inserters

- Standard thru-tip option allows the tip of the rod inserter to pass through the extended tabs of the pedicle screw for direct rod placement.
- Standard stop-tip option provides a positive stop against the head of the pedicle screw aiding in proper rod placement.
- Rod forceps allow for direct placement of a rod in mini-open/Wiltse approach.



Standard thru-tip



Standard stop-tip



Rod forceps

# Implant Kit Contents

## Vital MIS Implant Kit 1 Kit Number: PCR800M1201

DESCRIPTION	QTY	PART NUMBER
ø5.5 x 35 mm, MIS Polyaxial Screw	4	824M5535
ø5.5 x 40 mm, MIS Polyaxial Screw	8	824M5540
ø5.5 x 45 mm, MIS Polyaxial Screw	8	824M5545
ø5.5 x 50 mm, MIS Polyaxial Screw	8	824M5550
ø5.5 x 55 mm, MIS Polyaxial Screw	4	824M5555
ø6.5 x 35 mm, MIS Polyaxial Screw	4	824M6535
ø6.5 x 40 mm, MIS Polyaxial Screw	8	824M6540
ø6.5 x 45 mm, MIS Polyaxial Screw	8	824M6545
ø6.5 x 50 mm, MIS Polyaxial Screw	8	824M6550
ø6.5 x 55 mm, MIS Polyaxial Screw	4	824M6555
ø5.5 x 30 mm, MIS Curved Ti Rod	4	815M1030
ø5.5 x 35 mm, MIS Curved Ti Rod	4	815M1035
ø5.5 x 40 mm, MIS Curved Ti Rod	4	815M1040
ø5.5 x 45 mm, MIS Curved Ti Rod	4	815M1045
ø5.5 x 50 mm, MIS Curved Ti Rod	4	815M1050
ø5.5 x 55 mm, MIS Curved Ti Rod	4	815M1055
ø5.5 x 60 mm, MIS Curved Ti Rod	4	815M1060
ø5.5 x 65 mm, MIS Curved Ti Rod	4	815M1065
ø5.5 x 70 mm, MIS Curved Ti Rod	4	815M1070
ø5.5 x 75 mm, MIS Curved Ti Rod	4	815M1075
ø5.5 x 80 mm, MIS Curved Ti Rod	4	815M1080
ø5.5 x 90 mm, MIS Curved Ti Rod	4	815M1090
ø5.5 x 100 mm, MIS Curved Ti Rod	4	815M1100
ø5.5 x 110 mm, MIS Curved Ti Rod	4	815M1110
ø5.5 x 120 mm, MIS Curved Ti Rod	4	815M1120
ø5.5 x 130 mm, MIS Curved Ti Rod	4	815M1130
ø5.5 x 140 mm, MIS Curved Ti Rod	4	815M1140
ø5.5 x 150 mm, MIS Curved Ti Rod	4	815M1150
ø5.5 x 200 mm, MIS Straight Ti Rod	4	815M3200
ø5.5 x 450 mm, MIS Straight Ti Rod	4	815M5450
Closure Tops	14	07.02010.001

## Vital MIS Implant Kit 2 Kit Number: PCR800M1202

DESCRIPTION	QTY	PART NUMBER
ø7.5 x 35 mm, MIS Polyaxial Screw	4	824M7535
ø7.5 x 40 mm, MIS Polyaxial Screw	6	824M7540
ø7.5 x 45 mm, MIS Polyaxial Screw	8	824M7545
ø7.5 x 50 mm, MIS Polyaxial Screw	6	824M7550
ø7.5 x 55 mm, MIS Polyaxial Screw	4	824M7555
ø8.5 x 40 mm, MIS Polyaxial Screw	4	825M8540
ø8.5 x 45 mm, MIS Polyaxial Screw	4	825M8545
ø8.5 x 50 mm, MIS Polyaxial Screw	4	825M8550
ø8.5 x 55 mm, MIS Polyaxial Screw	4	825M8555
ø8.5 x 60 mm, MIS Polyaxial Screw	4	825M8560

## Vital MIS Implant Kit 3 Kit Number: PCR800M1203

DESCRIPTION	QTY	PART NUMBER
ø4.5 x 30 mm, MIS Polyaxial Screw	4	824M4530
ø4.5 x 35 mm, MIS Polyaxial Screw	4	824M4535
ø4.5 x 40 mm, MIS Polyaxial Screw	4	824M4540
ø4.5 x 45 mm, MIS Polyaxial Screw	4	824M4545

# Instrument Kit Contents

## Vital MIS Instrument Kit 1 Kit Number: PCR800M1600

### Top Tray

DESCRIPTION	QTY	PART NUMBER
Guidewire, Trocar	8	14-500361
Guidewire, Blunt	8	14-500360
Guidewire Slaphammer	1	850M0056
Starter Dilator	1	850M0016
Middle Dilator, Short	1	854M0017
Large Dilator, Short	1	854M0018
X-Large Dilator, Short	1	850M0019
Pedicle Access Tool T-Handle w/ Ratchet	2	850M0053
Pedicle Access Tool, Tap Stylus, Short	2	850M4000
Pedicle Access Tool, Tap, ø4.5 mm, Short	1	850M6045
Pedicle Access Tool, Tap, ø5.5 mm, Short	1	850M6055
MIS Tap, ø4.5 mm, Short	1	850M5045
MIS Tap, ø5.5 mm, Short	1	850M5055
MIS Tap, ø6.5 mm, Short	1	850M5065
MIS Tap, ø7.5 mm, Short	1	850M5075
Bone Planer	1	850M0066
Cannulated Driver, Short	2	850M0020
Tab Sleeve	6	850M0061
Reinforcement Sleeve	4	850M0029

### Bottom Tray

DESCRIPTION	QTY	PART NUMBER
Torque-limiting T-handle	1	07.02053.001
T27 Final Driver	1	850M0022
T27 Final Driver, Long	1	850M0025
French Rod Bender	1	07.02092.001
Rod Inserter with Stop	1	850M0042
Rod Inserter, Thru	1	850M0041
Rod Inserter Locking Piston	1	850M0043
Tab Breaker	2	850M0080
Rod Caliper	1	850M0081
Closure Top Inserter	2	850M0078
Rod Forceps	1	850M0060
Reinforcement Sleeve, Counter- torque Wrench	1	850M0028
Counter-torque, Short-slotted	1	850M0054

## Vital MIS Instrument Kit 2 Kit Number: PCR800M1700

### Top Tray

DESCRIPTION	QTY	PART NUMBER
Ratcheting Straight Handle	2	07.02051.001
Reinforcement Sleeve	2	850M0029
Compressor	1	850M0058
Distractor	1	850M0068
T27 Final Driver, Long	1	850M0025
T27 Final Driver	1	850M0022

### Bottom Tray

Empty

## Vital MIS Optional Instruments

DESCRIPTION	PART NUMBER
Jamshidi T-handle Targeting Needle, Trocar	850M0001
Jamshidi T-handle Lower Shaft	850M0002
Jamshidi Sleeve	850M0003
Jamshidi T-handle Targeting Needle, Bevel	850M0004
Cannulated Driver, Standard	850M0021
Bone Aspirator Adapter	850M0076
Counter-torque, Rod-capture Long	850M0049
Rod Pusher	850M0046

## Pedicle Access Screw Insertion Tool Kit Kit Number: PCR800M1400

DESCRIPTION	QTY	PART NUMBER
Ratcheting PAT T-handle	2	850M0053
Short PAT (PASIT) Stylus, 30 mm	2	850M4030
Short PAT (PASIT) Stylus, 35 mm	2	850M4035
Short PAT (PASIT) Stylus, 40 mm	2	850M4040
Short PAT (PASIT) Stylus, 45 mm	2	850M4045
Short PAT (PASIT) Stylus, 50 mm	2	850M4050
Short PAT (PASIT) Stylus, 55 mm	2	850M4055
Short PAT (PASIT) Stylus, 60 mm	2	850M4060

For more information, visit [highridgemedical.com](https://highridgemedical.com)

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