PRODUCT GUIDE



#12
System 11 of 15







System Name: SHUKLA Spine-TL v4

### **Primary Use**

The SHUKLA Spine-Thoracolumbar (Spine-TL) system is designed to remove thoracolumbar spinal screws, locking caps, rods, and plates from any implant system. It contains more than 75 drivers compatible with standard configurations in addition to more than 25 proprietary implant systems.



## **System History**

The Spine-TL was the first spine set that Shukla Medical created when it decided to enter the spinal revision surgery world. While it wouldn't be until the release of the Spine-C that the total capabilities of Shukla's Spine family became truly universal, the Spine-TL is a very robust system on its own. When it comes to revisions of the thoracic and lumbar regions, there is no equal.

Thoracic and Lumbar spinal screws and constructs are so impossibly varied, trying to make a universal set seemed like a pipe dream. At Shukla, we embraced that challenge.

2000: Version 1 Introduced

#### 2009: Version 3 Introduced

#### 2018: Version 4 Introduced

#### 2005: Version 2 Introduced

- More Drivers
- More Proprietary Implant Drivers

#### · Case Redesign

- More Drivers
- More Proprietary Implant Drivers

#### Helicopter Sockets

- Case Redesign
- More Drivers
- · More Proprietary Implant Drivers



# **Key Benefits**

- More than 75 drivers specifically designed for thoracolumbar implants and screw removal.
- More than 25 proprietary implant removal drivers make the removal of specific company's proprietary screws faster and simpler.



Small sample of how diverse spinal drivers can be.

- A Breaker Bar is included for applying extra torque when needed.
- Four Extensions are provided, ranging from four to twelve inches in length. These are perfect for both anterior and lateral procedures.
- Ratcheting inline handle speeds up screw removal as well as reduces surgeon hand fatigue.



- · Saddle and Blade drivers allow for Monoaxial Screw compatibility.
- Helicopter sockets for when a spinal screw or cap strips out or cannot be removed. By cutting
  the rod on either side of the implant tulip, the entire construct can be removed.
- Specially engineered vertical case with a tiered design for easy to recognize placement of the drivers no matter the row. Easy-to-read identification for each driver available on the case itself as well.

#### **Universal Shukla System Benefits for Better Patient Outcomes**

#### Less Time Spent in O.R.

- · Reduces risk of infection to patient
- Reduces time spent under anesthesia
- Reduces cost to the hospital

#### Universal Designs

- · Less prep time for surgeons
- · Less space taken up in the O.R.
- Reduces need for other systems or tools

#### **Ergonomic Design**

- Reduces surgeon stress
- Reduces surgeon fatigue
- Better grip/reduces slippage

#### Comprehensive Design

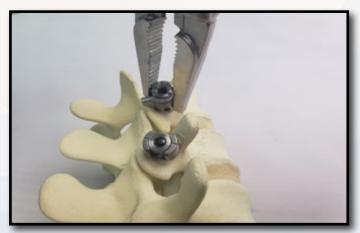
- Addresses all known challenges
- Tools ensure surgery is a success
- Provides backup solutions during surgery

# L3-SPINE-TL-PG-191202

# **Alternative Method Comparison**

While other spinal screw removal systems exist, the SHUKLA Spine-TL outshines the competition. The sheer number of driver configurations offered by the Spine-TL is unparalleled.

Since other competing systems cannot match our level of driver configurations, nor do they possess our patented helicopter socket capabilities, surgeons are much more likely to hit the point of a surgery where they have to declare it unsuccessful. Their only common recourse beyond that is to use a vise grip or pliers to hack away at the screw, and manually try to turn it out.



The Vise Grip method, an attempt to emulate what a helicopter socket does easier and more effectively.

#### **Return On Investment Justification**

According to a study published in *JAMA* Surgery, the cost of one minute in an O.R. can vary anywhere from \$36 per minute to \$100 per minute, with the average cost of a minute in the O.R. at a staggering \$66! It is estimated that you would save 60 to 90 minutes per surgery by using SHUKLA system. Taking just the lowest estimate of time savings, the savings per surgery can be estimated at 75 minutes x \$36 per minute = \$2,700.

With an average cost per minute of O.R. time that high, the delays that occur when waiting on proper instrumentation gets costly. Waiting on it to be found, to be sterilized, to be brought in, it all adds up. You *could* go through that each time, or you could have a Spine-TL prepped and ready to tackle any thoracic and/or lumbar spinal constructs that come your way. A SHUKLA Spine-TL sells for \$24,500, so the absolute highest end amount of cases it would take to fully justify its cost is just over 9 uses.

#### When You Don't Have It

If you don't have a SHUKLA Spine-TL set when it comes to thoracic and lumbar spine revision surgery, you run into a lot of potential roadblocks. As a spine surgeon, imagine going into a case and your patient is in need of a revision. The patient received their primary surgery in a different country and you do not have the proper tools to get out all of his screws and constructs. You have two options: grab some pliers and hope for the best or close up the patient and hope the proper tools arrive next time.

Luckily, there is a third option, one that gives a simpler solution, the SHUKLA Spine-TL system.

Not having a Spine-TL system is a lot like not having health insurance. You might not need it every day, but you sure are glad you have it when the time comes to use it.

#### **PATENT**

Helicopter Socket

The SHUKLA Spine systems all share our patented Helicopter Sockets. Our engineering team worked tirelessly to provide surgeons with an intelligent, effective system.

#### **HELICOPTER SOCKETS**

Available in three different sizes, engineered to fit any type of pedicle screw construct you could possibly come across.



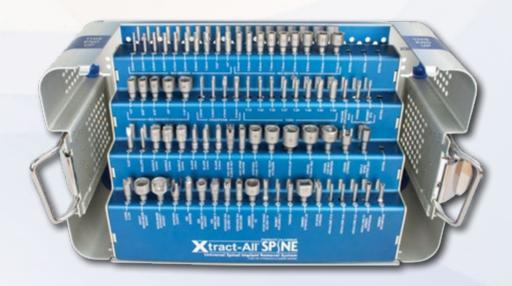
Engineered to fit the spine rod - once inserted, the rod will not slip or pull off. The helicopter sockets work with all spine rods up to 6.35 mm in diameter.

Made with medical grade stainless steel, the helicopter sockets also have a ball detent that allows for quick-attach capability with our range of Extensions.

For spinal systems that use a PEEK Rod, our helicopter sockets are still compatible. However, since torque must be limited in that situation, only the Ratcheting T-Handle should be used, *not* the breaker bar.

#### **Attention to Detail**

The Spine-TL system boasts a large amount of attention to the small details. A lot of thought went into the newly designed cases that the Spine-TL sports. The case is now vertical, so that the drivers are displayed upright and are labeled clearly on the case, as well as on each driver *itself* for simple identification. The tiered driver displays take up minimal space on the operating table, keeping O.R. surfaces organized. Each driver is marked with a number that identifies its slot placement. Corresponding numbers are displayed clearly on the case itself, making it easy to find what you need and easy to put it back.



The Spine-TL set not only has long low profile drivers to help you reach anything that needs to be reached, but it also comes with four different sizes of driver extensions. With sizes ranging from four to twelve inches in length, there won't be a screw or construct around that you won't be able to reach.



# **Components List**

Component List									
Std Qty	Part Number	Description	\$/ea						
1	HD233	THandle, Ratcheting, Square, 1/4"	\$975						
1	HD239	Handle, Breaker Bar	\$450						
1	MHRS0311	Handle Assy, In-Line, Ratcheting, Square, 1/4"	\$975						
1	SAD005	Adapter, 1/4" Square to Hudson	\$400						
1	SCS036	Case, Spine System, Instruments	\$900						
1	SCS039	Lid, Spine System, Instruments	\$300						
1	SDR813	Driver Assy, Socket, Helicopter, Small	\$800						
1	SDR814	Driver Assy, Socket, Helicopter, Medium	\$800	Instrumentation					
1	SDR815	Driver Assy, Socket, Helicopter, Large	\$800	tru					
1	SWR003	Wrench, Double Open End, 7/32" & 9/32"	\$275	me					
1	SWR004	Wrench, Double Open End, 1/4" & 3/8"	\$275	nte					
1	SWR005	Wrench, Double Open End, 5 mm & 7 mm	\$275	tic					
1	SWR006	Wrench, Double Open End, 6 mm & 10 mm	\$275	Ħ					
1	SWR008	Pliers, Long Nose, Locking, 9"	\$990						
1	SWR009	Pliers, Rod Gripper	\$990						
1	SXN007	Extension Assy, 4"	\$525						
1	SXN008	Extension Assy, 6"	\$525						
1	SXN009	Extension Assy, 8"	\$550						
1	SXN010	Extension Assy, 12"	\$550						
1	SCS035	Case, Thoracic & Lumbar Spine System, Drivers	\$1,300						
1	SCS038	Lid, Thoracic & Lumbar Spine System, Drivers	\$550						
1	SDR705	Driver Assy, Male, Hex, 3 mm	\$275						
1	SDR707	Driver Assy, Male, Hex, 3.5 mm	\$250						
1	SDR708	Driver Assy, Male, Hex, 4 mm	\$250						
1	SDR709	Driver Assy, Male, Hex, 4.5 mm	\$250						
1	SDR710	Driver Assy, Male, Hex, 4.7 mm	\$250						
1	SDR711	Driver Assy, Male, Hex, 5 mm	\$250						
1	SDR712	Driver Assy, Male, Hex, 6 mm	\$275						
1	SDR713	Driver Assy, Male, Hex, 7 mm	\$250						
1	SDR720	Driver Assy, Male, Hex, 7/32"	\$250	П					
1	SDR721	Driver Assy, Male, Hex, 1/4"	\$250	ho					
1	SDR726	Driver Assy, Female, Hex, 5 mm	\$250	rac					
1	SDR727	Driver Assy, Female, Hex, 5.5 mm	\$250	ic					
1	SDR728	Driver Assy, Female, Hex, 6 mm	\$250	% I					
1	SDR729	Driver Assy, Female, Hex, 7 mm	\$250	horacic & Lumb					
1	SDR729	Driver Assy, Female, Hex, 7.5 mm	\$250	nba					
1	SDR731	Driver Assy, Female, Hex, 8 mm	\$250	ır. I					
		Driver Assy, Female, Hex, 9 mm	\$250	ri					
1	SDR732 SDR733	Driver Assy, Female, Hex, 10 mm	\$250	ar Drivers					
1	SDR733	Driver Assy, Female, Hex, 11 mm	\$250	S					
1	SDR734 SDR741	Driver Assy, Female, Hex, 11 mm  Driver Assy, Female, Hex, 1/4"	\$250						
		Driver Assy, Female, Hex, 1/4  Driver Assy, Female, Hex, 9/32"	\$250						
1	SDR742	Driver Assy, Female, Hex, 5/16"							
1	SDR743 SDR744	Driver Assy, Female, Hex, 3/8"	\$250 \$250						
			\$250						
1	SDR745	Driver Assy, Female, Hex, 7/16°							
1	SDR751	Driver Assy, Male, Cruciform, 3 mm	\$250						
1	SDR752	Driver Assy, Male, Cruciform, 3.5 mm	\$250						
1	SDR753	Driver Assy, Male, Cruciform, 4.5 mm	\$250						
1	SDR754	Driver Assy, Male, Cruciform, 6 mm	\$250						

SDR79	Component List									
SDR760			Description	\$/ea						
SDR761	1	SDR759	Driver Assy, Male, Torx, T15	\$250						
SDR762	1	SDR760	Driver Assy, Male, Torx, T20	\$250						
SDR763	_	SDR761	Driver Assy, Male, Torx, T25							
SDR764   Driver Assy, Male, Torx, T40   \$250	1	SDR762	Driver Assy, Male, Torx, T27	\$250						
SDR765	1		Driver Assy, Male, Torx, T30	\$250						
SDR766			·							
SDR773	_									
SDR776			· · · · · · · · · · · · · · · · · · ·							
1   SDR777   Driver Assy, Male, Pentalobe, S15   S250     1   SDR782   Driver Assy, Male, Flat Head, .250" Wide   S250     1   SDR783   Driver Assy, Male, Phillips   S250     1   SDR784   Driver Assy, Saddle, 4 mm   S250     1   SDR785   Driver Assy, Saddle, 5 mm   S250     1   SDR786   Driver Assy, Saddle, 6 mm   S250     1   SDR787   Driver Assy, Saddle, 6 mm   S250     1   SDR788   Driver Assy, Saddle, 6 mm   S250     1   SDR787   Driver Assy, Blade, 4 mm   S250     1   SDR788   Driver Assy, Blade, 5 mm   S250     1   SDR789   Driver Assy, Blade, 6 mm   S250     1   SDR895   Driver Assy, Blade, 6 mm   S250     1   SDR805   Driver Assy, Blade, 6 mm   S250     1   SDR811   Driver Assy, Ermale, Dodecagon, for Outer Nut by Depuy Spine   S275     1   SDR851   Driver Assy, Female, Dodecagon, for Outer Nut by Depuy Spine   S275     1   SDR851   Driver Assy, Anchor, For Adv Spine   S275     1   SDR852   Driver Assy, Double Hex, 11 mm, For Synthes   S235     1   SDR853   Driver Assy, Double Hex, 11 mm, For Synthes   S235     1   SDR854   Driver Assy, Pemale, Hex, 13 8mm, For Interpore Cross   S275     1   SDR855   Driver Assy, Female, Hex, Cap Nut Remover for Interpore Cross   S275     1   SDR856   Driver Assy, Trilobe, Male, For 3-lok by Corin   S235     1   SDR858   Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy   S235     1   SDR859   Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy   S235     1   SDR860   Driver Assy, Female, For Moss-Miami by DePuy   S235     1   SDR861   Driver Assy, Female, For Moss-Miami by DePuy   S235     1   SDR862   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235     1   SDR864   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235     1   SDR865   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235     1   SDR866   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235     1   SDR866   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235     1   SDR866   Driver Assy, Female, Heyalobe, for Spinelink II by EBI   S235	-									
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SDR805   Driver Assy, Female, Dodecagon, for Outer Nut by Depuy Spine   S275			<u> </u>							
SDR811										
SDR850	-				H					
1         SDR858         Driver Assy, Trilobe, Male, For 3-lok by Corin         \$325           1         SDR859         Driver Assy, Female, For Moss-Miami by DePuy         \$325           1         SDR860         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, Pemale, Flower Shaped, For Spinelink II by EBI         \$325           1         SDR862         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR863         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR865         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR867         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR868         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325 <t< td=""><td></td><td></td><td></td><td></td><td>hor</td></t<>					hor					
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1         SDR858         Driver Assy, Trilobe, Male, For 3-lok by Corin         \$325           1         SDR859         Driver Assy, Female, For Moss-Miami by DePuy         \$325           1         SDR860         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, Pemale, Flower Shaped, For Spinelink II by EBI         \$325           1         SDR862         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR863         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR865         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR867         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR868         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325 <t< td=""><td>_</td><td></td><td></td><td></td><td>ive</td></t<>	_				ive					
1         SDR859         Driver Assy, Female, For Moss-Miami by DePuy         \$325           1         SDR860         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, 2 prong, For Click'X by Synthes         \$325           1         SDR862         Driver Assy, Male, Square, For EBI         \$325           1         SDR863         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR869         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR872         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy					S					
1         SDR860         Driver Assy, Female, Horse Shoe, For Moss-Miami by DePuy         \$325           1         SDR861         Driver Assy, 2 prong, For Click'X by Synthes         \$325           1         SDR862         Driver Assy, Male, Square, For EBI         \$325           1         SDR863         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR876         Driver Assy,										
1         SDR861         Driver Assy, 2 prong, For Click'X by Synthes         \$325           1         SDR862         Driver Assy, Male, Square, For EBI         \$325           1         SDR863         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia III by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR876         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25				,,,						
1         SDR862         Driver Assy, Male, Square, For EBI         \$325           1         SDR863         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	-									
1         SDR863         Driver Assy, Female, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR864         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250										
1         SDR864         Driver Assy, Male, Flower Shaped, for Spinelink II by EBI         \$325           1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X25         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	-									
1         SDR865         Driver Assy, Male, 4 prong, for Xia by Stryker Spine         \$325           1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X25         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250										
1         SDR866         Driver Assy, Female, Hexalobe, for Xia III by Stryker Spine         \$325           1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250										
1         SDR867         Driver Assy, Female, Heptagon, 1/2", for Silhouette by Zimmer         \$325           1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250			, , , , , ,							
1         SDR868         Driver Assy, 4 prong, for Radius by Stryker Spine         \$325           1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250			, , , 1							
1         SDR869         Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet         \$325           1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1		, 10	\$325						
1         SDR872         Driver Assy, Male, 2-Prong, for Theken         \$325           1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1	SDR868	Driver Assy, 4 prong, for Radius by Stryker Spine	\$325						
1         SDR873         Driver Assy, Female, for Dynesys LIS by Zimmer         \$325           1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1	SDR869	Driver Assy, Male, Pentalobe, for Polaris 5.5 by Biomet	\$325						
1         SDR874         Driver Assy, Male, 3-Prong, for US Spine         \$325           1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1	SDR872	Driver Assy, Male, 2-Prong, for Theken	\$325						
1         SDR876         Driver Assy, Male, Hexalobe, X15         \$250           1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1	SDR873	Driver Assy, Female, for Dynesys LIS by Zimmer	\$325						
1         SDR877         Driver Assy, Male, Hexalobe, X20         \$250           1         SDR878         Driver Assy, Male, Hexalobe, X25         \$250	1	SDR874	Driver Assy, Male, 3-Prong, for US Spine	\$325						
1 SDR878 Driver Assy, Male, Hexalobe, X25 \$250	1	SDR876	Driver Assy, Male, Hexalobe, X15	\$250						
	1	SDR877	Driver Assy, Male, Hexalobe, X20	\$250						
1 SDR879 Driver Assy, Female, Hexalobe, E7, for Pathfinder by Zimmer \$275	1	SDR878	Driver Assy, Male, Hexalobe, X25	\$250						
	1	SDR879	Driver Assy, Female, Hexalobe, E7, for Pathfinder by Zimmer	\$275						



# Revolutionizing the Art of Revision Surgery

Shukla Medical designs & manufactures instrumentation for orthopedic implant extraction in St. Petersburg, Florida, USA.

In 1998, aerospace component manufacturer S.S. White Technologies, Inc. acquired the Snap-On Winquist IM Nail system. S.S. White rebranded the medical division in 2007 to create Shukla Medical.

Today, Shukla Medical is the industry leader in orthopedic implant extraction tools. We are the only company to offer a comprehensive, truly universal orthopedic revision line for removing IM nails, hip and knee implants, spine hardware, and broken or stripped screws. Surgeons and industry leaders know: If Shukla can't get it out, no one can.

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SHUKLA Surgical Tech Support 24 hours a day, 7 days a week 727-626-2771

When you have tried all known techniques to extract an implant or remove a screw but determine you need suggestions for alternate techniques, help is only a phone call away. We will quickly put you in touch with our Technical Experts who will suggest other solutions to use our tools.



SHUKLA Medical offers the best warranty in the industry. Every component in a SHUKLA extraction system is designed and manufactured by us. Every component in our extraction systems that is not a single-use\* or a wear\* component is warranted against manufacturing defects for the life\* of the system. All other parts are covered for as long as the purchased version of the system is actively marketed by SHUKLA Medical.

\*Please see our website for the complete explanation of these terms and full details on our warranty.