

### 3 Mini Ratcheting Screwdriver System

The Mini Ratcheting Screwdriver System is specifically designed for the insertion and removal of small bone screws, the SHUKLA™ system is truly universal and provides the Surgeon with a solution for all manufacturers screws and also has attachments to remove broken and damaged screws.

#### Installs & Removes:



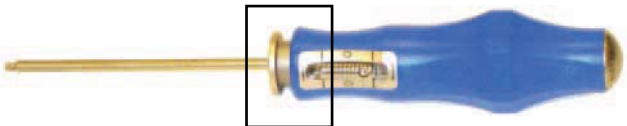


- Small Screws typically encountered in:
  - Hand Surgery
  - Foot Surgery
  - Maxillofacial Surgery



#### Attachments include:

- 24 Tips
  - Osteotome
  - 3 Torx Drives
  - Phillips Drive
  - Clutch Drive
  - 4 Centre Drives
  - 2 Slotted Drives
  - 3 Cruciform Drives
  - 3 Hex Drives
  - 4 Stripped Screw Extractors
  - 2 Broken Screw Extractors
  - Ratcheting Handle

# Surgical Technique Guide

<p><b>Step 1</b> - Determine the drive configuration of the implanted bone screw.</p>	<p>SQUARE    CLUTCH    PHILLIPS    TORX    FLAT    HEX</p> 
<p><b>Step 2</b> - Select the corresponding bone screw driver shaft from the Mini Ratcheting Screwdriver Set.</p> <p>If removing a broken screw, the tip of the extractor must be centered over the broken screw allowing the screw to begin engagement with the internal gripping threads of the extractor. Care must be taken to prevent the coring teeth of the extractor from making contact with the broken screw, as this might cause teeth breakage.</p> <p>If removing a stripped or seized screw, select an extractor that will fit into the stripped opening without bottoming out in the stripped drive opening.</p>	
<p><b>Step 3</b> - Insert the mini ratcheting screwdriver shaft into the blue mini ratcheting screwdriver handle by pulling back the quick disconnect collar. The driver shaft should click into place and the collar will return to its original position.</p>	<p>COLLAR</p> 
<p><b>Step 4</b> - Slide the switch forward to insert screws, backwards to remove screws, and in the center position to lock the screwdriver into place.</p>	<p>INSERT                      LOCK                      REMOVE</p> 
<p><b>Step 5</b> - The mini ratcheting screwdriver is now ready to install or remove the bone screw.</p>	

**Note** - The broken and stripped extractors are designed to last between 5 and 10 typical screw extractions and should be replaced as they become dull and do not grab the screw. Two extractors of each size are provided for this reason. More difficult screws will reduce the number of times they can be used.

### 3. MINI RATCHETING SCREWDRIVER SYSTEM CASE CONTENT

# Mini Ratcheting Screwdriver System



MKS 1026		MINI RATCHETING SCREWDRIVER SET		
No.	Part Number	Description		Image
1	CA171-M01	Case	1	
2	MRS1002	Ratcheting Handle	1	
3	MDS1114-M03	Broken Screw Extractor	2	
4	MDS1120-M03	Large Stripped Screw Extractor	2	
5	MDS1115-M03	Small Stripped Screw Extractor	2	
6	MDS1003-M03	1.5 mm Hex Drive	1	
7	MDS1004-M03	2.0 mm Hex Drive	1	
8	MDS1005-M03	2.5 mm Hex Drive	1	
9	MDS1006-M03	Small Cruciform Drive	1	
10	MDS1118-M03	Medium Cruciform Drive	1	
11	MDS1007-M03	Large Cruciform Drive	1	
12	MDS1008-M03	1.5 mm - 2.0mm Slotted Drive	1	
13	MDS1009-M03	2.7 mm Slotted Drive	1	
14	MDS1010-M03	0.75 mm Center Drive	1	
15	MDS1116-M03	1.5 mm Center Drive	1	
16	MDS1011-M03	2.0 mm Center Drive	1	
17	MDS1012-M03	2.7 mm Center Drive	1	
18	MDS1013-M03	2.7 mm Clutch Drive	1	
19	MDS1014-M03	2.0 mm - 2.7 mm Phillips Drive	1	
20	MDS1113-M03	T4 Torx Drive	1	
21	MDS1015-M03	T5 Torx Drive	1	
22	MDS1016-M03	T6 Torx Drive	1	
23	MDS1017-M03	Osteotome	1	