

SHUKLA™ Medical

Innovators of
Xtract-All®

Universal Broken, Stripped and Seized Screw Extraction System

Removes:

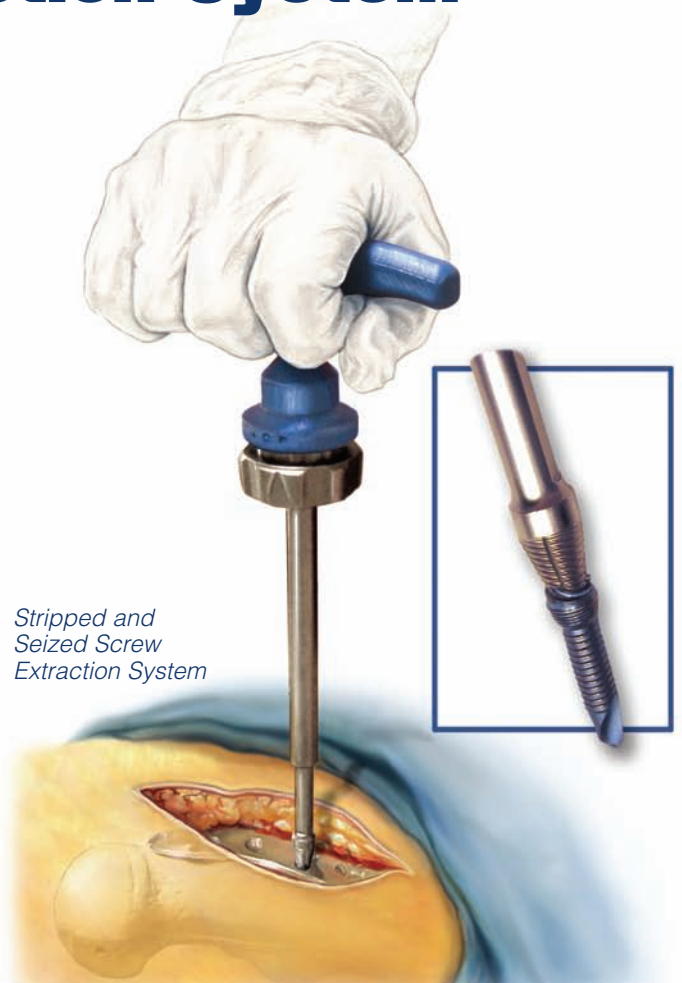
- M2 to M8 Size Broken & Stripped Screws
 - Cold Weld (fused) Stripped Screws
- Capable of applying over 250 in-lbs of Torque*

Attachments include:

- 48 Extractors
- 3 Extensions
- Breaker Bar
- Jacobs Chuck Attachment
- Ratcheting T Handle



*Broken Screw
Extraction System*



*Stripped and
Seized Screw
Extraction System*

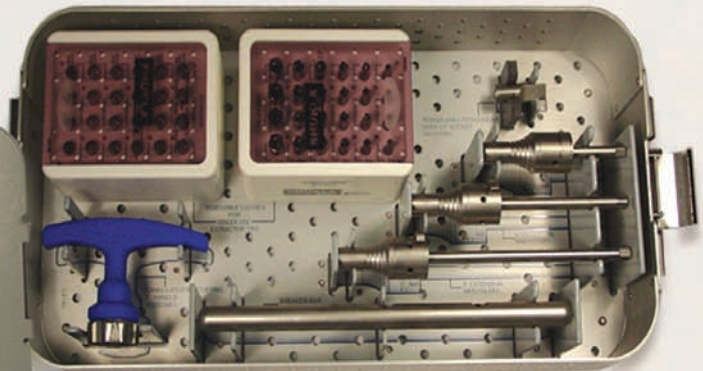
**Have the instrument you need
when you need it.**

Contact us at: **888-4shukla (888-474-8552)**
or **customer.service@ShuklaMedical.com**
See our website at: **www.ShuklaMedical.com**



Universal Broken, Stripped and Seized Screw Extraction System

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Medical



Kit: MKS 1022, Case: CA145, Lid: CA146

(MKS 1022) BROKEN, STRIPPED & SEIZED BONE SCREW EXTRACTION SYSTEM

No.	Part Number	Description	Units	Single Use
1	TP341-M01	Extractor tip for 2.0-2.5 mm Broken Screw	4	✓
2	TP342-M01	Extractor tip for 2.5-4.0 mm Broken Screw	4	✓
3	TP343-M01	Extractor tip for 3.5-5.0 mm Broken Screw	4	✓
4	TP344-M01	Extractor tip for 4.5-6.0 mm Broken Screw	4	✓
5	TP345-M01	Extractor tip for 5.5-7.0 mm Broken Screw	4	✓
6	TP346-M01	Extractor tip for 7.0-8.0 mm Broken Screw	4	✓
7	TP347-M01	Extractor tip for 2.0-2.5 mm Stripped Screw Head Recess	4	✓
8	TP348-M01	Extractor tip for 2.5-3.5 mm Stripped Screw Head Recess	4	✓
9	TP349-M01	Extractor tip for 3.5-4.5 mm Stripped Screw Head Recess	4	✓
10	TP350-M01	Extractor tip for 4.5-5.5 mm Stripped Screw Head Recess	4	✓
11	TP351-M01	Extractor tip for 5.5-6.5 mm Stripped Screw Head Recess	4	✓
12	TP352-M01	Extractor tip for 6.0-7.0 mm Stripped Screw Head Recess	4	✓
13	MMI1152-M01	4" Extension Driver	1	
14	MMI1153-M01	6" Extension Driver	1	
15	MMI1154-M01	8" Extension Driver	1	
16	CA145	Case, Stripped and Seized Screw Removal System	1	
17	CA146	Lid, Stripped and Seized Screw Removal System	1	
18	CA139	Caddy, Stripped and Seized Screw Removal System	1	
19	CA140	Caddy lid, Stripped and Seized Screw Removal System	1	
20	CA143	Caddy, Broken Screw Extraction System	1	
21	CA144	Caddy lid, Broken Screw Extractor System	1	
22	HD233-M01	Asymmetric Cannulated Ratcheting T-Handle	1	
23	AD120-M01	Power Drill Adapter	1	
24	HD239-M01	Breaker Bar	1	
25	HD239-M01	Stripped Screw Extractor Breaker Bar	1	



Universal Stripped and Seized Screw Extraction System



Surgical Technique Guide

(MKS 1019)		STRIPPED BONE SCREW EXTRACTION SYSTEM		
No.	Part Number	Description	Units	Single Use
1	TP347-M01	Extractor tip for 2.0-2.5 mm Screw Head Recess	4	✓
2	TP348-M01	Extractor tip for 2.5-3.5 mm Screw Head Recess	4	✓
3	TP349-M01	Extractor tip for 3.5-4.5 mm Screw Head Recess	4	✓
4	TP350-M01	Extractor tip for 4.5-5.5 mm Screw Head Recess	4	✓
5	TP351-M01	Extractor tip for 5.5-6.5 mm Screw Head Recess	4	✓
6	TP352-M01	Extractor tip for 6.0-7.0 mm Screw Head Recess	4	✓
7	MMI1152-M01	4" Extension Driver	1	
8	MMI1153-M01	6" Extension Driver	1	
9	MMI1154-M01	8" Extension Driver	1	
10	CA137	Case, Stripped and Seized Screw Removal System	1	
11	CA138	Lid, Stripped and Seized Screw Removal System	1	
12	CA139	Caddy, Stripped and Seized Screw Removal System	1	
13	CA140	Caddy lid, Stripped and Seized Screw Removal System	1	
14	HD233-M01	Asymmetric Cannulated Ratcheting T-Handle	1	
15	HD239-M01	Breaker Bar	1	

Universal Stripped and Seized Screw Extraction System



Step 1 - Select an extractor size that the threads on the tip of the extractor will capture the side walls of the screw socket but will not bottom out.



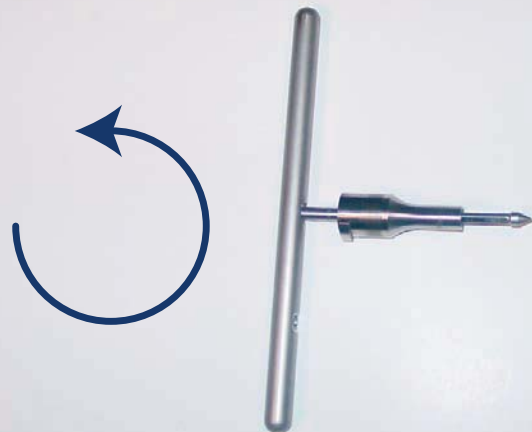
Step 2 - Push the button to “unlock” the sleeve on the extension driver of chosen length, retract the sleeve and install the tip until it bottoms out. Release the sleeve and push the button to “lock” the tip inside the sleeve.



Step 3 - Select and install the handle. The breaker bar handle should be used for seized (fused) screws or in cases where large torques are required. The ratcheting handle should be used for all other stripped screw removal procedures.



Step 4 - Set the tip of the extractor into the socket of the stripped screw and TURN THE HANDLE COUNTER CLOCKWISE. If using the ratcheting T-handle, turn the sleeve on the handle in the correct direction for counter clockwise locking of the extractor. The extractor will bite into the screw and then back the screw out of the bone or plate with continued torquing.



Step 5 - After the screw has been removed, dispose of the screw and extractor tip. Extractor tips are **single use only**.

