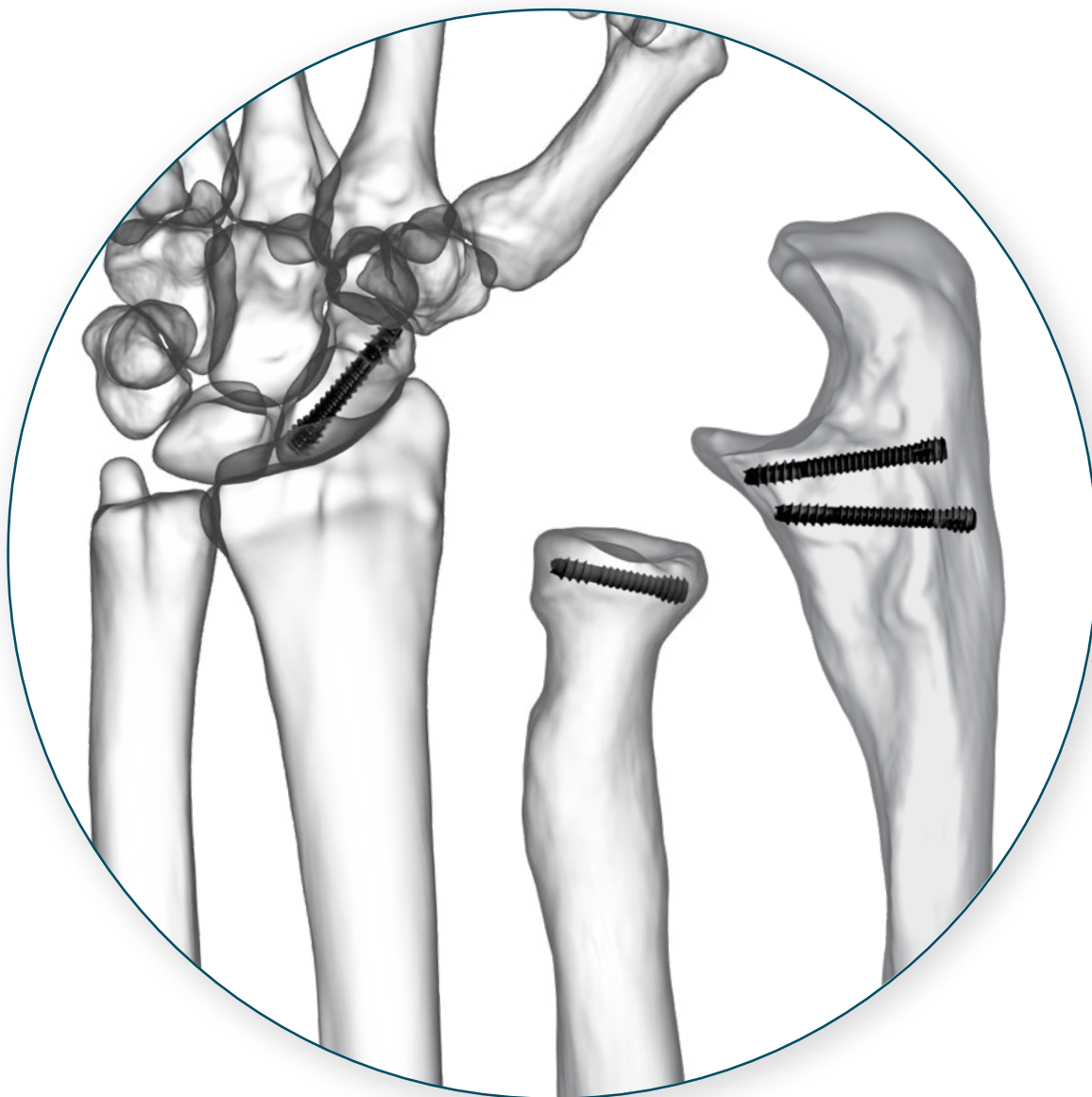


SURGICAL TECHNIQUE GUIDE

REDUCT[®]

headless compression screw



 **skeletal dynamics**[®]
UNDERSTANDING THE UPPER EXTREMITY

As described by:
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Miami Hand & Upper Extremity Institute

REDUCT®

headless compression screw

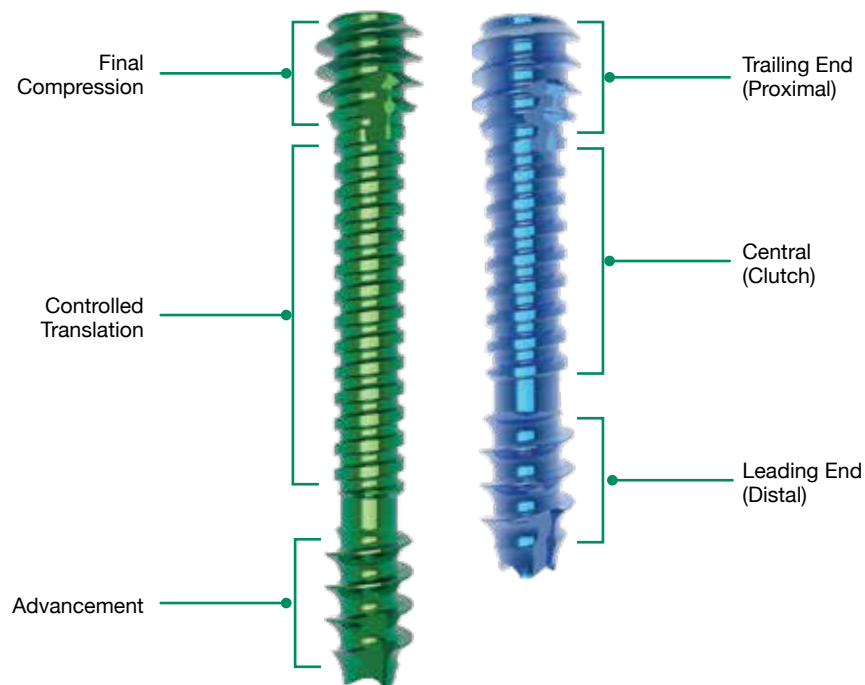
Description

The REDUCT® Headless Compression Screw (HCS) System consists of 2.5mm and 3.5mm cannulated titanium screws and specialized instrumentation.

- The 2.5mm screw is available in lengths between 10mm - 30mm, with increments of 2mm.
- The 3.5mm screw is available in lengths between 10mm - 50mm, with increments of 2mm.

Indications for Use

The Skeletal Dynamics REDUCT® Headless Compression Screw System is intended for fixation of osseous fragments or fractures, arthrodesis of small joints, and osteotomies, with the appropriately sized screw.



1

REDUCE THE FRAGMENTS AND INSERT K WIRE



Insert the k-wire until the tip is at the far cortex. Use radiographic imaging to confirm the k-wire lies along the central axis in the A/P and LAT planes.

Note:
The set includes

instrumentation for both 2.5mm and 3.5mm screws. Select the appropriate diameter and length k-wire for the selected screw diameter to ensure proper depth gauge reading.

Warning:

Handle double trocar k-wires carefully during insertion and removal to prevent unintended k-wire penetration or injury.

KWIR-ST-14165 : K-Wire, 1.4mm x 165mm, Single Trocar

KWIR-HCS-14165: K-Wire, 1.4mm x 165mm, Double Trocar

2

DRILL



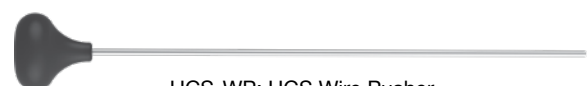
The REDUCT® Headless Compression Screws are designed to be self-drilling and self-tapping. Pre-drilling is recommended to make it easier to insert the screw in dense bone. Pre-drill by passing the cannulated drill over the k-wire.

Note:
Remove the drill carefully to prevent backing out the guide wire. Remove the drill bit using the k-wire pusher or by hand once finished with drill.

Option:
The system includes countersink drills for drilling into hard cortical bone.



DRLL-CDC-27: Drill, Quick Connect, 2.7mm Cannulated

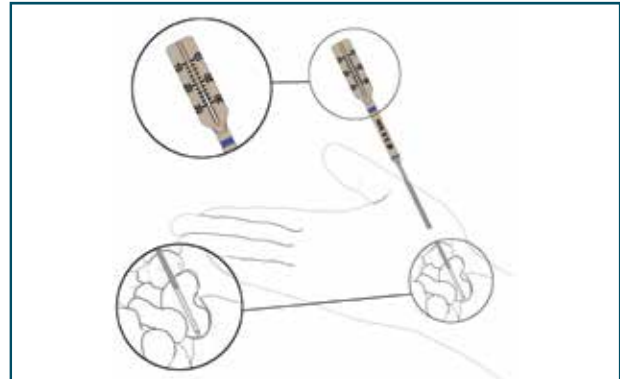


HCS-WP: HCS Wire Pusher

MEASURE SCREW LENGTH

3

To determine the screw length under radiographic guidance, pass the depth gauge over the k-wire to the intended position for the proximal end of the screw. The reading on the depth gauge at the end of the k-wire indicates the screw length which is needed to place the screw tip at the tip of the k-wire.



Note:

The set includes instrumentation for both 2.5mm and 3.5mm screws. Select the appropriate k-wire for the selected screw diameter to ensure proper depth gauge reading.

Option:

The system includes a universal depth gauge that can be helpful during open procedures with direct access to the bone surface.



VHCS-DGA-35: HCS Depth Gauge, 3.5mm

INSERT SCREW & CONFIRM PLACEMENT

4



Insert the selected sized screw over the k-wire and thread into the bone. Verify proper reduction and screw placement with radiographic imaging. Remove the k-wire.

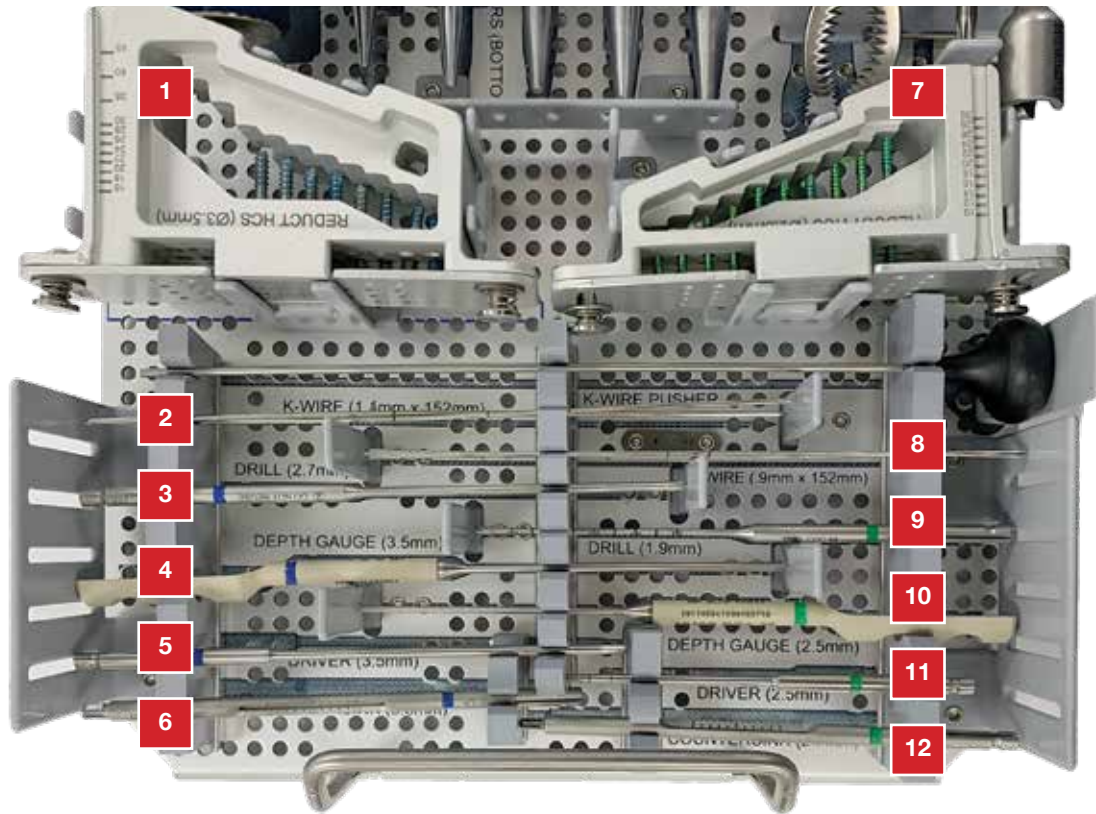


Confirm the proper placement of the screw using fluoroscopy.



DRVR-HCS-1420: HCS Driver, 3.5mm

INSTRUMENT TRAY (Standard Configuration)



Loc#	Catalog#	Description	Loc#	Catalog#	Description	
1	HCS-35010 HCS-35012 HCS-35014 HCS-35016 HCS-35018 HCS-35020 HCS-35022 HCS-35024 HCS-35026 HCS-35028 HCS-35030	Screw, Headless Compression, 3.5mm x 10mm, Ti Screw, Headless Compression, 3.5mm x 12mm, Ti Screw, Headless Compression, 3.5mm x 14mm, Ti Screw, Headless Compression, 3.5mm x 16mm, Ti Screw, Headless Compression, 3.5mm x 18mm, Ti Screw, Headless Compression, 3.5mm x 20mm, Ti Screw, Headless Compression, 3.5mm x 22mm, Ti Screw, Headless Compression, 3.5mm x 24mm, Ti Screw, Headless Compression, 3.5mm x 26mm, Ti Screw, Headless Compression, 3.5mm x 28mm, Ti Screw, Headless Compression, 3.5mm x 30mm, Ti	8	KWIR-ST-09152 KWIR-HCS-14165	K-Wire, Single Trocar, 0.9mm x 152mm K-Wire, Double Trocar, 0.9mm x 152mm	
2	KWIR-ST-14165 KWIR-HCS-14165	K-Wire, Single Trocar, 1.4mm x 165mm K-Wire, Double Trocar, 1.4mm x 165mm	9	DRLL-CDC-19	Drill, Quick Connect, 1.9mm Cannulated	
3	DRLL-CDC-27	Drill, Quick Connect, 2.7mm Cannulated	10	VHCS-DGA-25	HCS Depth Gage, 2.5mm	
4	VHCS-DGA-35	HCS Depth Gage, 3.5mm	11	DRVR-HCS-0915	HCS Driver, 2.5mm	
5	DRVR-HCS-1420	HCS Driver, 3.5mm	12	DRLL-CSK-27	Drill, Countersink, 2.7mm, Cannulated	
6	DRLL-CSK-35L	Drill, Countersink, 3.5mm Long, Cannulated		DPGA-UNV-030	Depth Gauge, Universal, 30mm *	
7	HCS-25010 HCS-25012 HCS-25014 HCS-25016 HCS-25018 HCS-25020 HCS-25022 HCS-25024 HCS-25026 HCS-25028 HCS-25030	Screw, Headless Compression, 2.5mm x 10mm, Ti Screw, Headless Compression, 2.5mm x 12mm, Ti Screw, Headless Compression, 2.5mm x 14mm, Ti Screw, Headless Compression, 2.5mm x 16mm, Ti Screw, Headless Compression, 2.5mm x 18mm, Ti Screw, Headless Compression, 2.5mm x 20mm, Ti Screw, Headless Compression, 2.5mm x 22mm, Ti Screw, Headless Compression, 2.5mm x 24mm, Ti Screw, Headless Compression, 2.5mm x 26mm, Ti Screw, Headless Compression, 2.5mm x 28mm, Ti Screw, Headless Compression, 2.5mm x 30mm, Ti			HNDL-SQC-FXD	Handle, Small QC, Fixed *

* Not pictured

REDUCT® 3.5mm HEADLESS COMPRESSION SCREW



K-Wire, Single Trocar, 1.4mm x 165mm



K-Wire, Double Trocar, 1.4mm x 165mm



Drill, Quick Connect, 2.7mm Cannulated



Drill, Countersink, 3.5mm Long, Cannulated



HCS Depth Gauge, 3.5mm



HCS Driver, 3.5mm



REDUCT® 2.5mm HEADLESS COMPRESSION SCREW



K-Wire, Single Trocar, 0.9mm x 152mm



K-Wire, Double Trocar, 0.9mm x 152mm



Drill, Quick Connect, 1.8mm Cannulated



Drill, Countersink, 2.7mm, Cannulated



HCS Depth Gauge, 2.5mm



HCS Driver, 2.5mm





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