



**TW**  
Surgical

# BONE SCREW MANAGEMENT



**UK  
CA** **CE**



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Treasure Wright (U.K.) Ltd.



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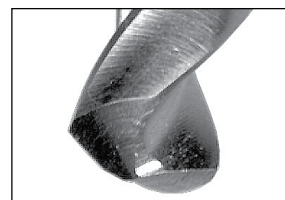


### DRILL BITS

With quick coupling ends



	diameter	Overall length	Working length	Flute length
TWS 84-2036/53	1.1mm	60mm	35mm	20mm
TWS 84-2036/54	1.5mm	85mm	60mm	23mm
TWS 84-2036/55	1.8mm	100mm	75mm	45mm
TWS 84-2036/56	2.0mm	100mm	75mm	50mm
TWS 84-2036/57	2.5mm	110mm	85mm	50mm
TWS 84-2036/58	2.5mm	180mm	153mm	45mm
TWS 84-2036/59	2.7mm	100mm	75mm	50mm
TWS 84-2036/60	3.2mm	145mm	120mm	50mm
TWS 84-2036/61	3.2mm	195mm	170mm extra long	50mm
TWS 84-2036/62	3.5mm	110mm	85mm	50mm
TWS 84-2036/63	3.5mm	195mm	170mm extra long	50mm
TWS 84-2036/64	5.5mm	195mm	170mm extra long	55mm
TWS 84-2036/65	4.5mm	145mm	120mm	50mm
TWS 84-2036/66	4.5mm	195mm	170mm extra long	50mm
TWS 84-2036/67	6.0mm	195mm	170mm extra long	60mm



Enlarged to show detail.

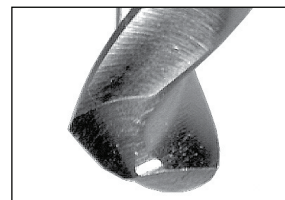
### DRILL BITS

With round drill chuck end



	diameter	Overall length	Working length
TWS 84-2036/71	1.0mm	55mm	25mm
TWS 84-2036/72	1.5mm	70mm	30mm
TWS 84-2036/73	2.0mm	85mm	38mm
TWS 84-2036/74	2.5mm	95mm	43mm
TWS 84-2036/75	2.7mm	85mm	32mm
TWS 84-2036/76	3.2mm	106mm	48mm
TWS 84-2036/77	3.2mm	180mm	70mm
TWS 84-2036/78	3.5mm	112mm	52mm
TWS 84-2036/79	3.5mm	180mm	70mm extra long
TWS 84-2036/80	4.5mm	180mm	70mm extra long
TWS 84-2036/81	6.0mm	180mm	70mm extra long

Designed to fit any Jacobs chuck drill.



Enlarged to show detail.

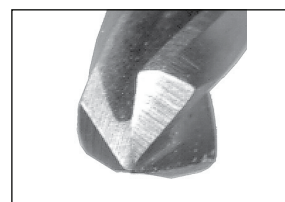
### THREE-FLUTED DRILL BITS

With quick coupling ends



	diameter	Overall length	Working length	Flute length
TWS 84-2036/82	2.5mm	230mm	205mm	30mm calibrated
TWS 84-2036/83	3.2mm	230mm	205mm	30mm calibrated
TWS 84-2036/84	4.5mm	195mm	170mm	55mm not calibrated

Note: Custom lengths and diameters can be manufactured upon special order. Cannulated drill bits from 5mm to 12mm in diameter are also available by special order.

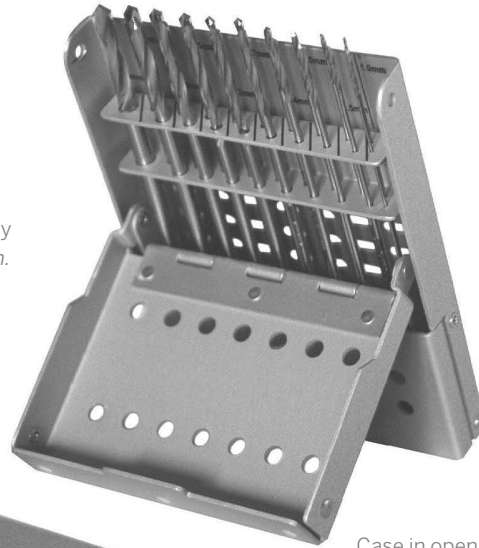


Enlarged to show detail.

## STERILIZATION CASE

- Drill bit sizes are clearly noted on the inside of case for quick identification and reordering.
- Lid opens and raises the internal tray containing drill bits up for easy access.
- When closing lid, the internal tray is lowered and contents are held in place, preventing shifting.
- Top of case locks when closed helping to prevent accidental opening.
- Case has a one piece design – eliminates the possibility of losing or switching case parts.
- Anodized aluminum case is light-weight and built to withstand abuse.
- Fully autoclavable to 270°F.

Designed to provide easy access *and identification*.



Case in open upright position.



Case in closed position.



### 5" DRILL BIT STERILIZATION CASE

Holds 5" drill bits for sterilization and storage.

TWS 84-2036/85

5 1/2" X 4 1/4" X 3/4"

TWS 84-2036/86 1.0mm (2 ea.)  
 TWS 84-2036/87 1.5mm (2 ea.)  
 TWS 84-2036/88 2.0mm (2 ea.)  
 TWS 84-2036/89 2.4mm (2 ea.)  
 TWS 84-2036/90 2.7mm (2 ea.)

TWS 84-2036/91 3.2mm (2 ea.)  
 TWS 84-2036/92 3.5mm (2 ea.)  
 TWS 84-2036/93 4.0mm (2 ea.)  
 TWS 84-2036/94 4.7mm (2 ea.)  
 TWS 84-2036/95 6.0mm (1 ea.)

TWS 84-2036/91 2.5mm

### CANNULATED DRILL BITS

with quick coupling ends

TWS 84-2036/96 2.7mm  
 TWS 84-2036/97 3.2mm

TWS 84-2036/98 4.5mm  
 TWS 84-2036/99 3.5mm



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# COUNTERSINKS



For mini screws  
1.5 / 2.0mm.

### MINI COUNTERSINK

TWS 84-2037/00  
2 1/4" (57mm)  
1.1mm tip  
quick coupling end



For small screws  
2.7 / 3.5 / 4.0mm.

### SMALL COUNTERSINK

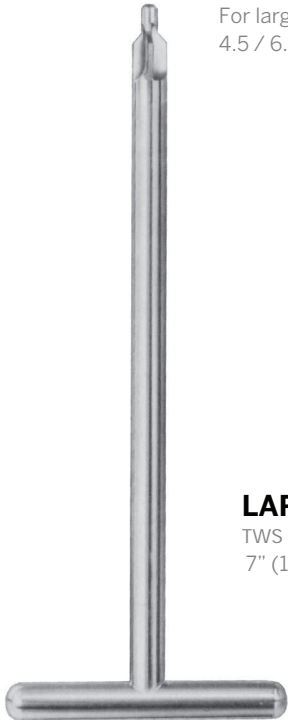
TWS 84-2037/01  
2 3/4" (70mm)  
2.0mm tip  
quick coupling end



For malleolar screws.

### MALLEOLAR COUNTERSINK

TWS 84-2037/02  
4 3/4" (121mm)  
3.2mm tip  
quick coupling end



For large screws  
4.5 / 6.5mm.

### LARGE COUNTERSINK

TWS 84-2037/03  
7" (178mm) 4.5mm tip



Converts QC end to round end with  
three flat sides for power drills.

### ADAPTOR (POWER DRILL)

TWS 84-2037/04

2 1/2" (64mm)

# TAPS

For cortical screws thread pitch 0.5mm.



TWS 84-2037/05  
2" (51mm)  
1.5mm diameter

For cortical screws thread pitch 0.6mm.



TWS 84-2037/06  
2 1/4" (57mm)  
2.0mm diameter

For cortical screws thread pitch 1.0mm.



TWS 84-2037/07  
4" (102mm)  
2.7mm diameter

For cortical screws thread pitch 1.25mm. Fine thread.



TWS 84-2037/08  
4 1/2" (108mm)  
3.5mm diameter

For 3.5 and 4.0mm cancellous screws thread pitch 1.75mm. Coarse thread.



TWS 84-2037/09  
4 1/2" (108mm)  
3.5mm diameter

**Note:** Taps with quick coupling ends for 4.5mm cortical and 4.5mm malleolar (shaft) screw.



TWS 84-2037/15  
5" (127mm)  
4.5mm diameter



TWS 84-2037/14  
5" (127mm)  
4.5mm diameter long thread



TWS 84-2037/13  
7 1/2" (191mm)  
4.5mm diameter extra long



For cortical screws  
TWS 84-2037/10  
7" (178mm)  
3.5mm diameter

For cortical screws  
TWS 84-2037/11  
7" (178mm)  
4.5mm diameter

For cancellous screws  
TWS 84-2037/12  
8" (203mm)  
6.5mm diameter

**Note:** Taps with quick coupling ends calibrated, with centimeter graduations.



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## DEPTH GAUGES AND QUICK COUPLING HANDLES



### MINI QUICK COUPLING HANDLE

TWS 84-2037/16  
4 1/4" (108mm)  
for mini screw set



Phenolic handles are autoclavable to 290°F (143°C)

### SMALL QUICK COUPLING HANDLE

TWS 84-2037/17  
4 1/2" (114mm)  
for small and large screw sets



### SMALL QUICK COUPLING HANDLE

TWS 84-2037/18  
3 1/2" (89mm)  
for small screw set

**Note:** Used to determine screw length required during internal fracture fixation (mm graduated). Snaps apart for easy cleaning.

**Important Note:** When not in use retract measuring end inside gauge.

### MINI SCREW DEPTH GAUGE

TWS 84-2037/19  
4 3/4" (121mm) up to 30mm



### SMALL SCREW DEPTH GAUGE

TWS 84-2037/20  
6 1/4" (159mm) up to 50mm



### LARGE SCREW DEPTH GAUGE

TWS 84-2037/21  
8 3/4" (222mm) up to 100mm



### X-LARGE SCREW DEPTH GAUGE

TWS 84-2037/22  
11" (279mm) up to 120mm



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## DOUBLE DRILL SLEEVES

**Note:** Drill guides and sleeves: used with drills and taps to place accurate holes and protect surrounding tissue.



### DOUBLE DRILL SLEEVE

1.5mm/1.1mm  
TWS 84-2037/23  
for 1.1mm and  
1.5mm drill bits  
and tap for 1.5mm  
cortical screws



### DOUBLE DRILL SLEEVE

2.0mm/1.5mm  
TWS 84-2037/24  
for 1.5mm and  
2.0mm drill bits  
and tap for 2.0mm  
cortical screw



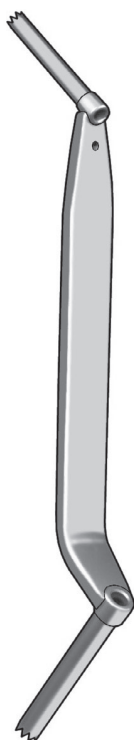
### DOUBLE DRILL SLEEVE

2.7mm/2.0mm  
TWS 84-2037/25  
for 2.0mm and  
2.7mm drill bits  
and tap for 2.7mm  
cortical screws



### DOUBLE DRILL SLEEVE

3.5mm/2.5mm  
TWS 84-2037/26  
for 2.5mm and  
3.5mm drill bits  
and tap for 3.5mm  
cortical screws  
and tap for 4.0mm  
cancellous screws



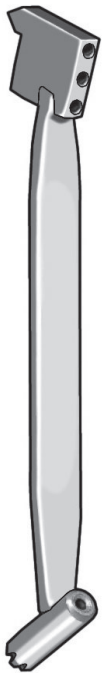
### DOUBLE DRILL SLEEVE

4.5mm/3.2mm  
TWS 84-2037/27  
for 3.2mm and  
4.5mm drill bits  
and tap for 4.5mm  
cortical screws  
and tap for 4.5mm  
malleolar (shaft) screws



### DOUBLE DRILL SLEEVE

6.5mm/3.2mm  
TWS 84-2037/28  
for 3.2mm drill bits  
and taps for 6.5mm  
cancellous screws



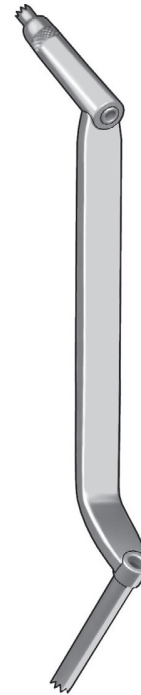
**PARALLEL DRILL GUIDE AND DRILL SLEEVE**

2.0mm  
TWS 84-2037/29  
three holes and one hole for 2.0mm drill bits



**UNIVERSAL DRILL GUIDE 3.5mm**

TWS 84-2037/30  
for 3.5mm cortical screws and 3.5mm malleolar (shaft) screws and 2.5mm drill bits. Can be used as neutral/load drill guide.



**UNIVERSAL DRILL GUIDE 4.5mm**

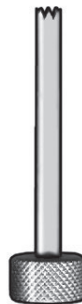
TWS 84-2037/31  
for 4.5mm cortical screws and 4.5mm malleolar (shaft) screws and 3.2mm drill bits. Can be used as neutral/load drill guide.



Also can be used as 3.2mm drill bit guide.

**TAP SLEEVE**

TWS 84-2037/32  
4 1/2" (114mm)  
for 3.2mm drill bits



**INSERT DRILL SLEEVE**

3.5mm/2.7mm  
TWS 84-2037/33  
for 2.5mm drill bits and for long 3.5mm lag screws



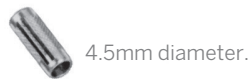
**INSERT DRILL SLEEVES**

4.5mm/3.2mm  
TWS 84-2037/34  
for 3.2mm drill bits and for 4.5mm lag screws



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## DRILL GUIDES AND SLEEVES



4.5mm diameter.



Also can be used as  
4.5mm drill bit guide.

### **TAP SLEEVE**

TWS 84-2037/37  
5" (127mm)  
with toothed tip and tissue  
protector sleeve for 4.5mm tap



### **POINTED DRILL GUIDE**

TWS 84-2037/38  
6" (152mm)  
for 4.5mm cortical screws



### **DRILL SLEEVE**

TWS 84-2037/39  
4 1/2" (114mm)  
with 40mm long tip  
for 3.2mm drill bits  
for round hole and  
semi-tubular plates



### **DRILL SLEEVE**

TWS 84-2037/40  
5" (127mm)  
with 60mm long tip  
for 3.2mm drill bits  
for round hole plates



Drill guide ends are color coded.  
green = neutral  
gold = load

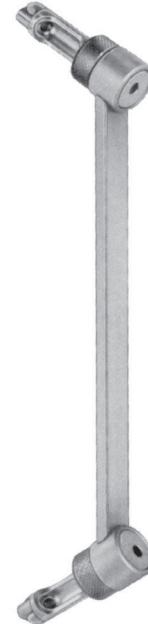
**DRILL GUIDE**

2.0mm neutral and load end  
TWS 84-2037/41  
4 3/4" (121mm)  
for 2.0mm drill bit  
for 2.7mm cortical screw



**DRILL GUIDE**

2.5mm neutral and load end  
TWS 84-2037/42  
5 1/2" (140mm)  
for 2.5mm drill bit  
for 3.5mm cortical screw



**DRILL GUIDE**

3.2mm neutral and load end  
TWS 84-2037/43  
6 1/2" (165mm)  
for 3.2mm malleolar (shaft) drill bit  
for 4.5mm cortical screw



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# SCREWDRIVERS

Note: Screwdrivers: used to place and remove bone screws.



○ 1.5mm

### MINI HEXAGONAL SCREWDRIVER

TWS 84-2037/44  
2 1/4" (57mm), 1.5mm  
quick coupling end  
sleeve included



### MINI CRUCIFORM SCREWDRIVER BIT

TWS 84-2037/45  
screw holding  
sleeve only  
TWS 84-2037/46  
2 1/2" (64mm)  
quick coupling end



○ 2.5mm

### SMALL HEXAGONAL SCREWDRIVER

TWS 84-2037/47  
4" (102mm), 2.5mm  
quick coupling end  
TWS 84-2037/48  
screw holding



○ 2.5mm

### HEXAGONAL SCREWDRIVER SHAFT

TWS 84-2037/50  
5 1/2" (140mm), 2.5mm  
quick coupling end  
with notch  
TWS 84-2037/51  
sleeve only



○ 2.5mm

### HEXAGONAL SCREWDRIVER SHAFT (PELVIC)

TWS 84-2037/52  
6 1/2" (165mm), 2.5mm  
quick coupling end  
with notch  
TWS 84-2037/54  
sleeve only



○ 3.5mm

### LARGE HEXAGONAL SCREWDRIVER

TWS 84-2037/53  
4 1/2" (114mm), 3.5mm  
quick coupling end



 3.5mm

**HEXAGONAL SCREWDRIVER SHAFT (PELVIC)**

TWS 84-2037/55	TWS 84-2037/59
6 1/2" (165mm), 3.5mm	sleeve only
quick coupling end with notch	



 3.5mm

**STAR DRIVE SCREWDRIVER SHAFT**

TWS 84-2037/56	T8	QC Self retain	105mm
TWS 84-2037/57	T15	QC Self retain	100mm
TWS 84-2037/58	T25	QC Self retain	165mm



**SCREWDRIVER SLEEVE**

TWS 84-2037/67  
5" (127mm)



**SCREWDRIVER SLEEVE**

TWS 84-2037/68  
3" (76mm)



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# SCREWDRIVERS

Refer to chart on page T1 and T2 for Master Guide, Screws, Drill Bits, Taps, Instruments



## HEXAGONAL SCREWDRIVER

TWS 84-2037/69  
7 5/8" (194mm) 1.5mm



## HEXAGONAL SCREWDRIVER

TWS 84-2037/70  
7 3/4" (197mm), 2.5mm  
screwdriver with sleeve

TWS 84-2037/71  
screw holding  
sleeve only  
for TWS 84-2037/72

TWS 84-2037/74  
screwdriver only



## CRUCIFORM SCREWDRIVER

TWS 84-2037/73  
7 1/2" (191mm), 1.5 / 2.5mm  
screwdriver with sleeve

TWS 84-2037/76  
screw holding  
sleeve only

TWS 84-2037/78  
screwdriver only



3.5mm

## STAR DRIVER

TWS 84-2037/80  
9" (228mm)  
silicone handle  
fits 3.5/4.0mm screws



## HEXAGONAL SCREWDRIVER

TWS 84-2037/81  
8" (203mm)  
2.5mm with notch  
screwdriver only

TWS 84-2037/82  
sleeve only



## HEXAGONAL SCREWDRIVER (PELVIC)

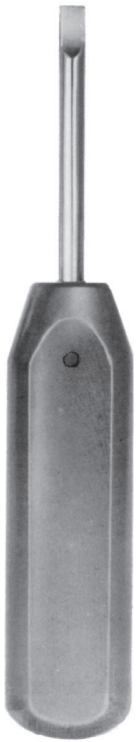
TWS 84-2037/83  
10 1/2" (267mm)  
2.5mm with notch  
screwdriver only

TWS 84-2037/84  
sleeve only



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# SCREWDRIVERS



Phenolic handles is autoclavable to 290°F (143°C)

## SINGLE SLOT SCREWDRIVER

TWS 84-2037/90  
6 3/4" (172mm)  
with phenolic handle



TWS 84-2037/85  
2.5mm hexagonal



TWS 84-2037/86  
3.5mm hexagonal



TWS 84-2037/87  
single slot

Phenolic handles is autoclavable to 290°F (143°C)



TWS 84-2037/88  
cruciform



TWS 84-2037/89  
Phillips

## SCREWDRIVER

10" (254mm) with phenolic handle



3.5mm



## HEXAGONAL SCREWDRIVER

TWS 84-2037/91  
10" (254mm), 3.5mm with notch



3.5mm



## HEXAGONAL SCREWDRIVER (PELVIC)

TWS 84-2037/92  
12" (305mm), 3.5mm with notch

# SCREWDRIVERS



## SCREWDRIVER SET (A/O CONNECTION)

TWS 84-2037/93  
complete set with sterilization case

TWS 84-2037/94  
sterilization case only  
8 1/2" X 4 1/4" X 2"  
(216mm X 114mm X 51mm)



## SCREWDRIVER HANDLE

TWS 84-2037/95  
5 1/2" (140mm) with key  
cannulation 1/4" (6.3mm)  
Allows K-Wire and pins to be inserted  
with Jacobs chuck



TWS 84-2037/96  
5 1/2" (140mm)  
single slot



TWS 84-2037/97  
5 1/2" (140mm)  
cruciform



## JACOBS UNIVERSAL CHUCK

TWS 84-2037/98  
3" with key  
cannulation 1/4" (6.3mm)  
Allows K-Wire and pins to be inserted  
with Jacobs chuck.



TWS 84-2037/99  
5 1/2" (140mm)  
Phillips



TWS 84-2038/00  
5 1/2" (140mm)  
small Phillips



3.5mm



TWS 84-2038/01  
5 1/2" (140mm)  
3.5mm hexagonal



2.5mm



TWS 84-2038/02  
5 1/2" (140mm)  
2.5mm hexagonal



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## SCREW HOLDING FORCEPS AND TENSION DEVICES



To check fracture and remove ingrown tissue.

### SHARP HOOK

TWS 84-2038/03  
6" (152mm)



### SELF RETAINING SCREW HOLDING FORCEPS

TWS 84-2038/04  
3 1/2" (89mm)



### SELF RETAINING SCREW HOLDING FORCEPS

TWS 84-2038/05 for 1.5mm to 2.7mm screws  
TWS 84-2038/06 for 3.5mm to 6.5mm screws



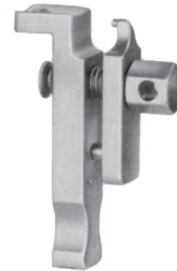
### PLATE HOLDING CLIP

TWS 84-2038/07 2.0mm  
TWS 84-2038/08 2.7mm  
TWS 84-2038/09 3.5mm



### DRILL SLEEVE FOR TENSION DEVICE

TWS 84-2038/10  
2" (51mm)  
span: 8mm / 16mm  
for 3.2mm drill bit



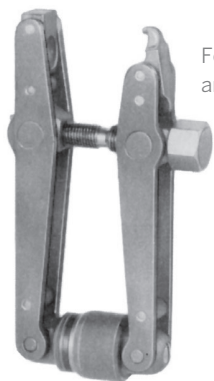
### TENSION DEVICE

TWS 84-2038/11  
2 1/2" (64mm)span:  
8mm



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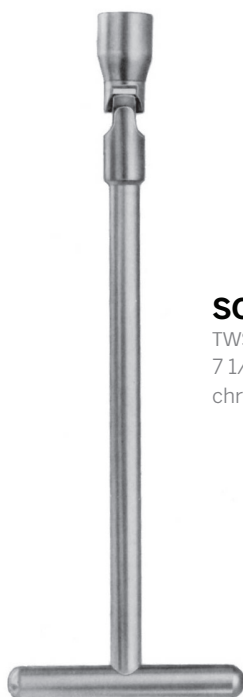
# INSTRUMENTS



For standard and small plates

## TENSION DEVICE ARTICULATED

TWS 84-2038/13  
3 1/2" (89mm)span: 20mm



## SOCKET WRENCH

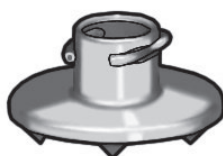
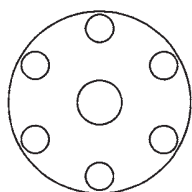
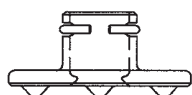
TWS 84-2038/12  
7 1/2" (191mm), 11mm  
chrome vanadium



For tightening 8mm nuts.

## WRENCH

TWS 84-2038/15  
5" (127mm)



## SPIKED DISC

TWS 84-2038/14



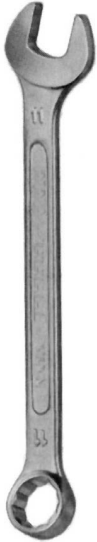
## BALL SPIKE

Straight  
TWS 84-2038/16  
12" (305mm)



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# WRENCHES



## COMBINATION WRENCHES

		Overall Length
TWS 84-2038/17	6mm	3 1/2"
TWS 84-2038/1	8mm	4 1/2"
TWS 84-2038/19	10mm	5 1/2"
TWS 84-2038/20	11mm	6"
TWS 84-2038/21	12mm	7"
TWS 84-2038/22	13mm	7"
TWS 84-2038/23	14mm	7 3/4"
TWS 84-2038/24	15mm	8 1/2"
TWS 84-2038/25	1/4" (6mm)	3 1/2"
TWS 84-2038/26	5/16"(8mm)	4 1/2"
TWS 84-2038/27	3/8" (10mm)	5 1/2"
TWS 84-2038/29	7/16"(11mm)	6"
TWS 84-2038/28	1/2" (13mm)	7"
TWS 84-2038/30	9/16"(14mm)	7 3/4"
TWS 84-2038/31	5/8" (16mm)	8 1/2"

## OPEN END WRENCHES

Stainless steel

		Overall Length
TWS 84-2038/32	6x7mm	4 7/8" (125mm)
TWS 84-2038/33	8x9mm	5 1/2"(141mm)
TWS 84-2038/34	10x11mm	6 1/4" (159mm)
TWS 84-2038/35	12x13mm	7" (178mm)
TWS 84-2038/36	14x15mm	7 1/2"(192mm)
TWS 84-2038/37	16x17mm	8 1/4"(210mm)
TWS 84-2038/38	19x22mm	9 1/2" (243mm)
TWS 84-2038/39	24x27mm	10 1/2" (267mm)
TWS 84-2038/40	28x29mm	10 7/16"(265mm)
TWS 84-2038/41	30x32mm	9 9/16" (246mm)
TWS 84-2038/42	19x24mm	11 3/8" (288mm)
TWS 84-2038/43	1/4"x5/16"(6mmx24mm)	4 7/8"(125mm)
TWS 84-2038/44	3/8"x7/16"(10mmx11mm)	6 1/4"(159mm)
TWS 84-2038/45	1/2"x9/16"(13mmx14mm)	7"(178mm)
TWS 84-2038/46	5/8"x11/16"(16mmx18mm)	8 1/4"(210mm)
TWS 84-2038/47	3/4"x13/16"(19mmx21mm)	8 7/8" (225mm)
TWS 84-2038/48	7/8"x15/16"(22mmx24mm)	10 1/4"(261mm)
TWS 84-2038/49	1"x1 1/16" (25mmx27mm)	10 3/8" (264mm)
TWS 84-2038/50	1 1/8"x1 1/4"(29mmx32mm)	10 5/8" (270mm)



## HEX KEYS

Stainless Steel, inch sizes, L Pattern, standard length

TWS 84-2038/51	1/16"
TWS 84-2038/52	5/64"
TWS 84-2038/53	3/32"
TWS 84-2038/54	7/64"
TWS 84-2038/55	1/8"
TWS 84-2038/56	9/64"
TWS 84-2038/57	5/32"
TWS 84-2038/58	3/16"
TWS 84-2038/59	7/32"
TWS 84-2038/60	1/4"
TWS 84-2038/61	5/16"
TWS 84-2038/62	3/8"

TWS 84-2038/74  
10 Piece Set (includes one of each of 1/16"-1/4")

TWS 84-2038/78  
12 Piece Set (includes one of each)

## HEX KEYS

Stainless Steel, metric sizes, L pattern, standard length

TWS 84-2038/63	1.5mm
TWS 84-2038/64	2.0mm
TWS 84-2038/65	2.5mm
TWS 84-2038/66	3.0mm
TWS 84-2038/67	3.5mm
TWS 84-2038/68	4.0mm
TWS 84-2038/69	4.5mm
TWS 84-2038/70	5.0mm
TWS 84-2038/71	6.0mm
TWS 84-2038/72	8.0mm
TWS 84-2038/73	10.0mm

TWS 84-2038/76  
9 Piece Set (includes one of each of 1.5mm-6.0mm)

TWS 84-2038/77  
11 Piece Set (includes one of each)



# BENDING TEMPLATES

## BENDING TEMPLATES

Anodized aluminum  
Color-coded



TWS 84-2038/78 2 1/2" for small plates



TWS 84-2038/79 3 1/2" for small plates

To simulate required  
plate bending.



TWS 84-2038/80 3 1/2" 5 holes



TWS 84-2038/81 4 1/2" 7 holes



TWS 84-2038/82 9 holes

## BENDING TEMPLATES

Anodized aluminum



TWS 84-2038/83 2 1/2" 5 holes 3.5mm



TWS 84-2038/84 3 1/2" 7 holes 3.5mm



TWS 84-2038/85 4 1/2" 9 holes 3.5mm



TWS 84-2038/86 6" 12 holes 3.5mm



TWS 84-2038/87 3 1/4" 5 holes 4.5mm



TWS 84-2038/88 4 3/4" 7 holes 4.5mm



TWS 84-2038/89 6" 9 holes 4.5mm



TWS 84-2038/90 8" 12 holes 4.5mm



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## BENDING TEMPLATES AND INSTRUMENTS

### BENDING TEMPLATES

Anodized aluminum  
Reconstruction plates



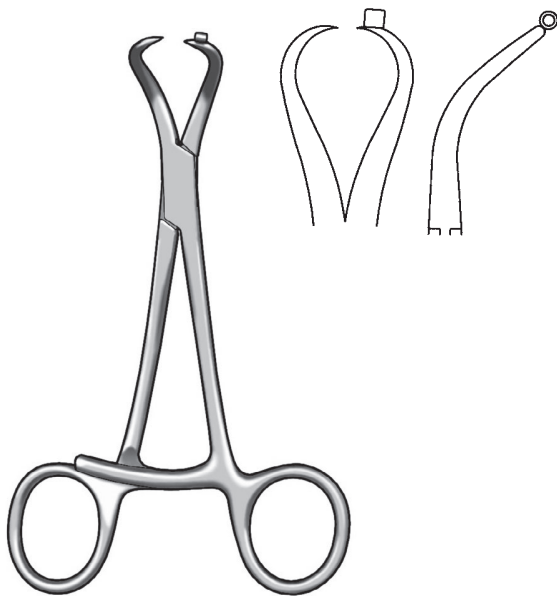
TWS 84-2038/91  
22 holes  
8" (203mm) length X 2 1/2" (64mm) height  
3.5mm



TWS 84-2038/92  
22 holes  
10 1/2" (267mm) straight  
3.5mm

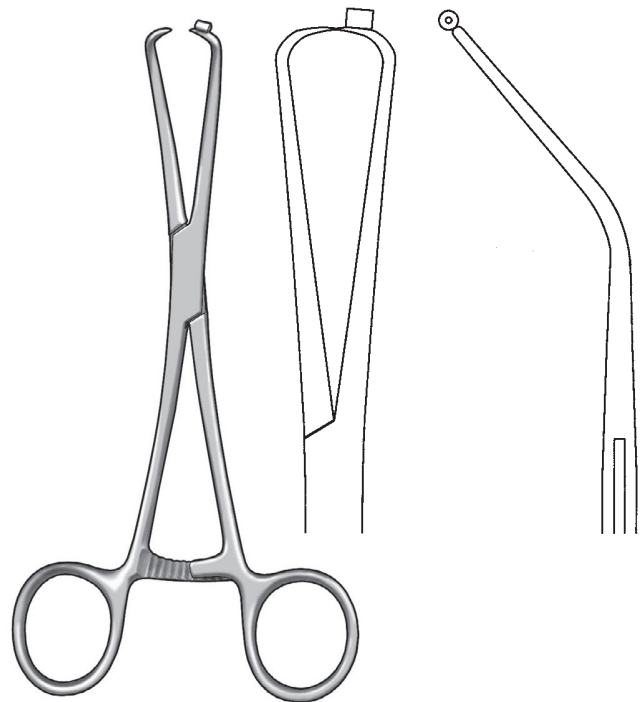


TWS 84-2038/93  
16 holes  
10" (254mm) straight  
4.5mm



### BONE HOLDING FORCEPS

TWS 84-2038/94  
5 1/2" (140mm)  
with 1.6mm drill guide



### BONE HOLDING FORCEPS

TWS 84-2038/95  
6 3/4" (171mm)  
with 0.9mm drill guide

Treasure Wright (U.K.) Ltd.

128-160 City Road, London, EC1V 2NX, United Kingdom  
info@twrightmedical.com



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# INSTRUMENTS



For positioning small bone plates.

## PLATE AND BONE HOLDING FORCEPS

TWS 84-2038/96 4 3/4" (121mm)

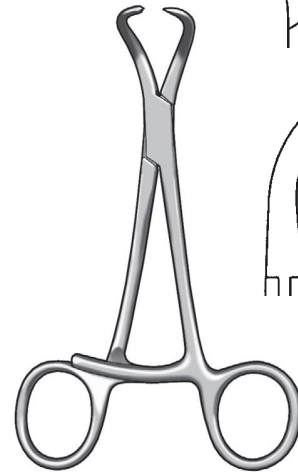


For positioning mini bone plates.

## PLATE AND BONE HOLDING FORCEPS

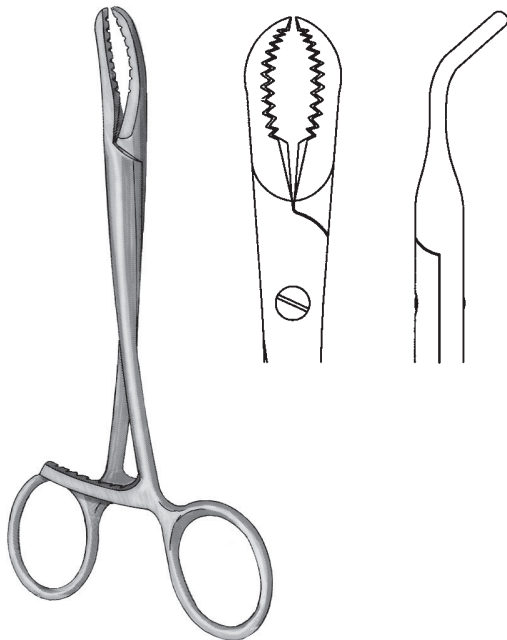
TWS 84-2038/97 4 3/4" (121mm)  
pointed tip

One tip has a stepped point for better hold on bone.



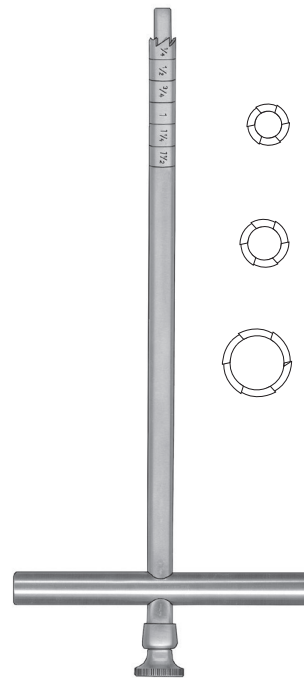
## BONE REDUCTION FORCEPS

TWS 84-2038/98  
5 1/4" (133mm) curved



## BONE REDUCTION FORCEPS

TWS 84-2038/99  
5 1/2" (140mm) small  
curved  
ratchet length: 1 1/8"



i.d = inside diameter  
o.d. = outside diameter



small  
3mm i.d / 5mm o.d.



medium  
4mm i.d / 5mm o.d.



large  
6mm i.d / 8mm o.d.

Designed for bone biopsy. Also facilitates removal of broken bone screws.

## MICHELE TREPHINE

TWS 84-2039/00 small  
TWS 84-2039/01 medium  
TWS 84-2039/02 large



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## PLATE BENDING INSTRUMENTS

**Note:** Bending instruments: To avoid weakening of plates, do not bend or twist sharply. Never reverse bend or bend or twist at a plate hole.



### MINI PLATE BENDING IRON

TWS 84-2039/03  
4 3/4" (121mm)  
for mini and finger plates



TWS 84-2039/04



TWS 84-2039/05

Used in pairs.

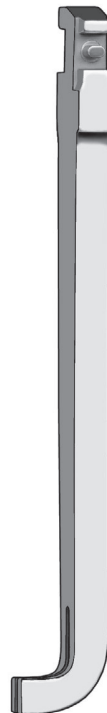
### SMALL PLATE BENDING IRONS

5 1/2" (140mm)  
for 2.7mm and 3.5mm plates



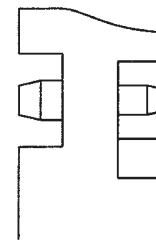
### STANDARD PLATE BENDING IRON

TWS 84-2039/06  
9 1/2" (241mm)  
for standard plates with 4 holes



### PLATE BENDING IRON

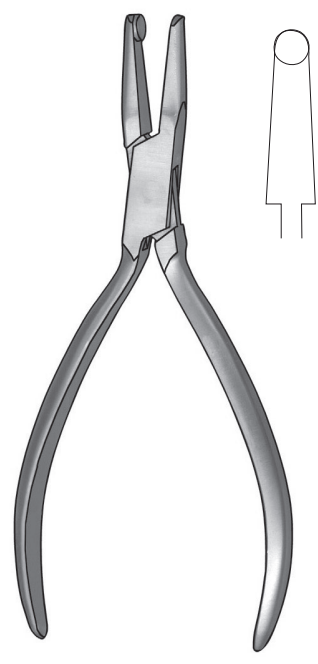
TWS 84-2039/07  
for 3.5mm and 4.5mm plates



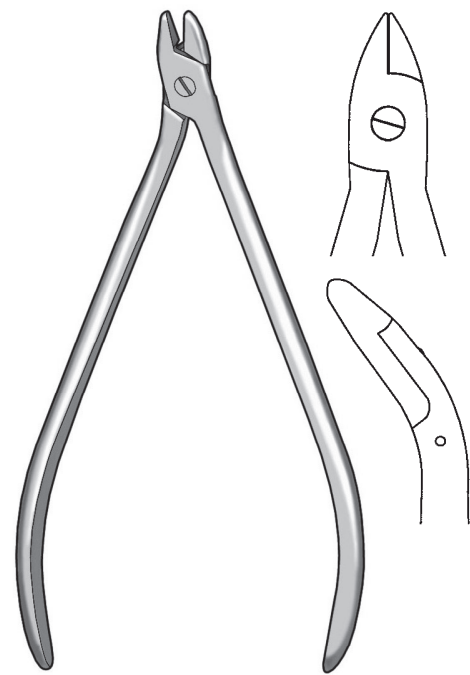


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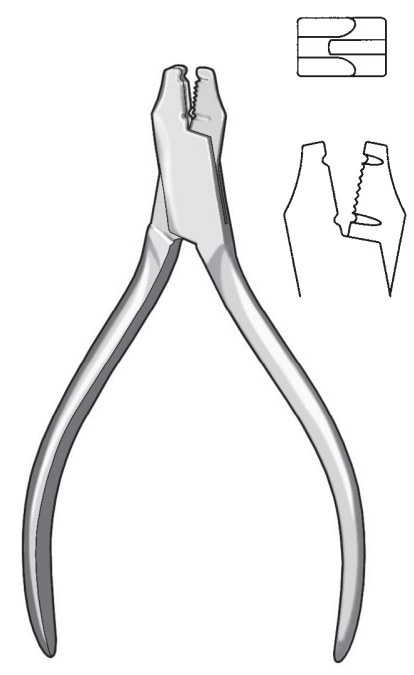
# PLATE BENDING INSTRUMENTS



**MINI PLATE BENDING PLIERS**  
TWS 84-2039/08  
5" (127mm)  
for 1.5mm and 2.0mm plates



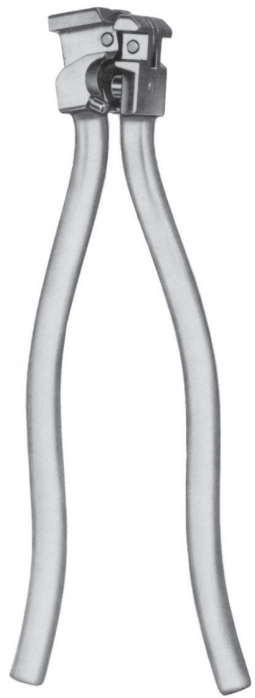
**BENDING PLIERS**  
TWS 84-2039/09  
5 1/2" (140mm)  
for 1.5mm and 2.0mm plates



**BENDING PLIERS**  
TWS 84-2039/10  
Bends mini plates and up to 1.1mm (.045") K-Wire to 90° angle



**SMALL PLATE BENDING PLIERS**  
TWS 84-2039/11  
8 3/4" (222mm)  
for 2.7mm and 3.5mm plates



**PLATE BENDING PLIERS**  
TWS 84-2039/12  
10" (254mm)  
for reconstruction plates

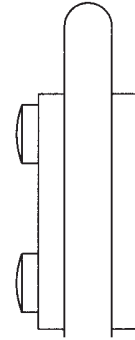
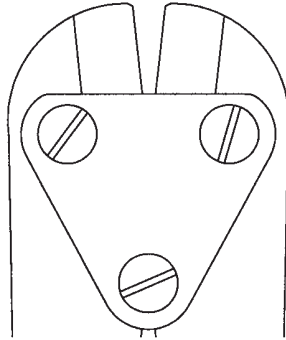
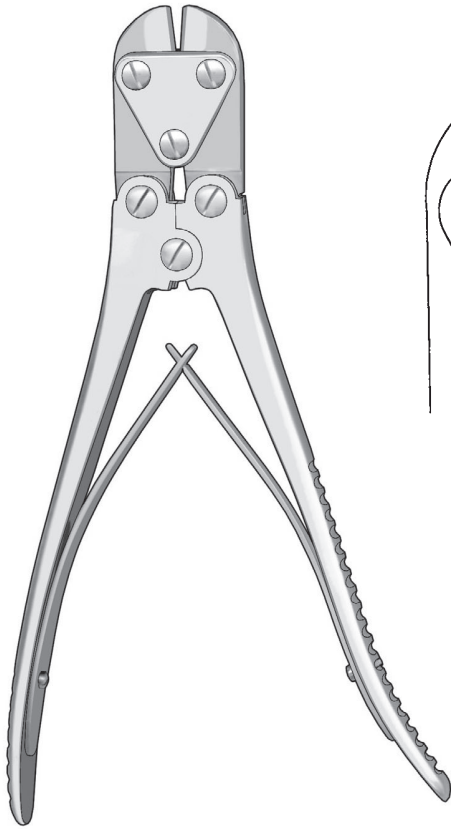


**PLATE BENDING PLIERS**  
TWS 84-2039/13  
10" (254mm)  
includes two anvils for narrow and broad plates



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## PLATE CUTTING AND BENDING INSTRUMENTS

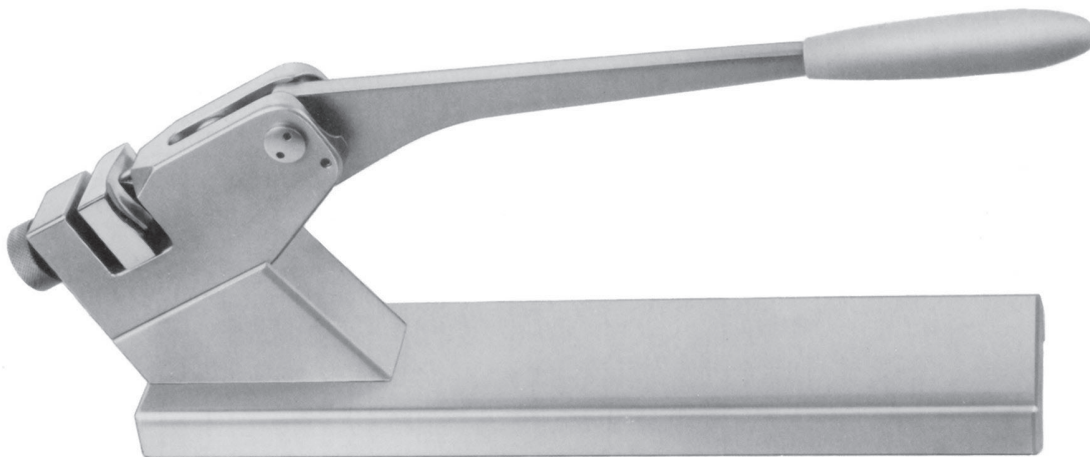


### PLATE CUTTING FORCEPS

TWS 84-2039/14

9 1/2" (241mm)

for cutting stainless steel  
mini plates up to 1mm



### PLATE BENDING PRESS

TWS 84-2039/15

17" (305mm)

Treasure Wright (U.K.) Ltd.

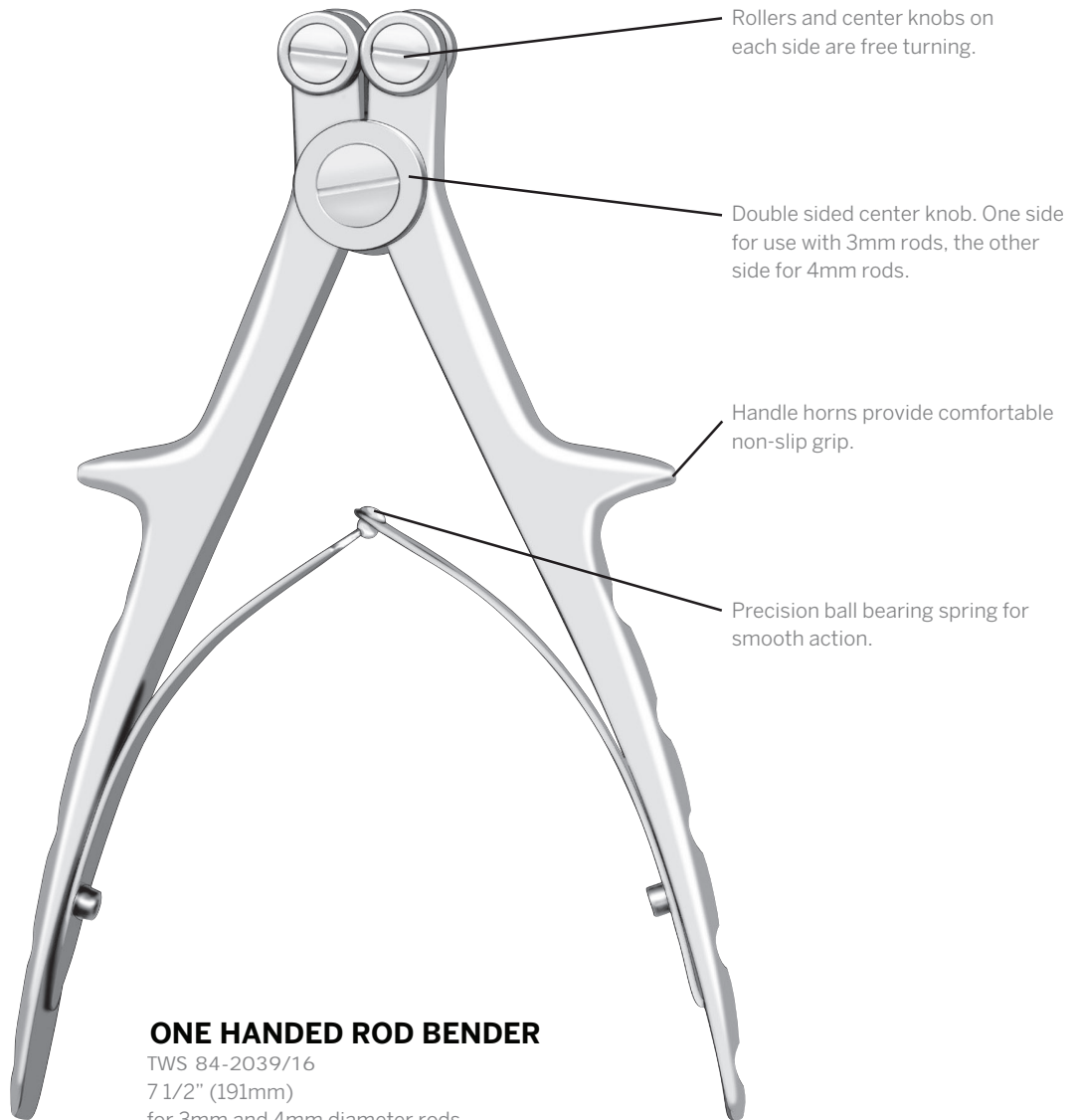
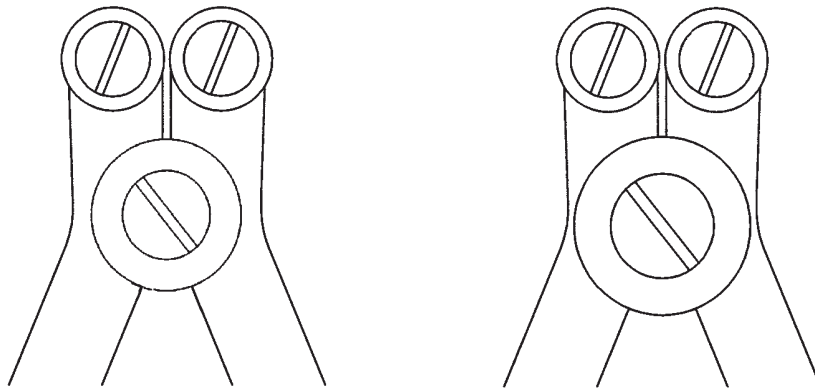
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info@twrightmedical.com



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## ROD BENDING INSTRUMENTS

Note: One-handed rod bender: Easily bends 3mm and 4mm rods.



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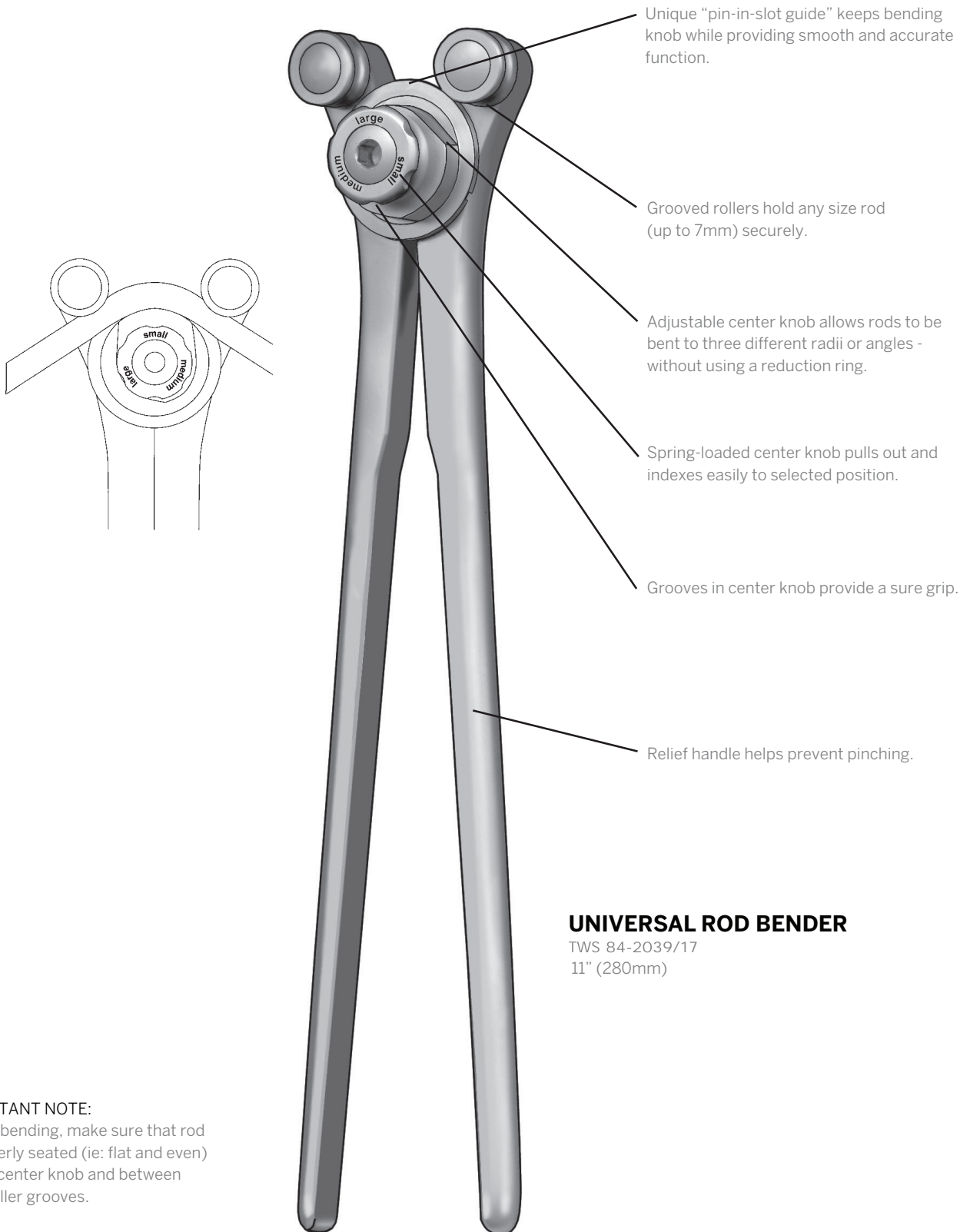
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info@twrightmedical.com



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## ROD BENDING INSTRUMENTS

**Note:** Universal Rod Bender: Bends any size rod (up to 7mm) to three different angles without using a separate reduction ring.



### UNIVERSAL ROD BENDER

TWS 84-2039/17

11" (280mm)

**IMPORTANT NOTE:**

Before bending, make sure that rod is properly seated (ie: flat and even) on the center knob and between both roller grooves.



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