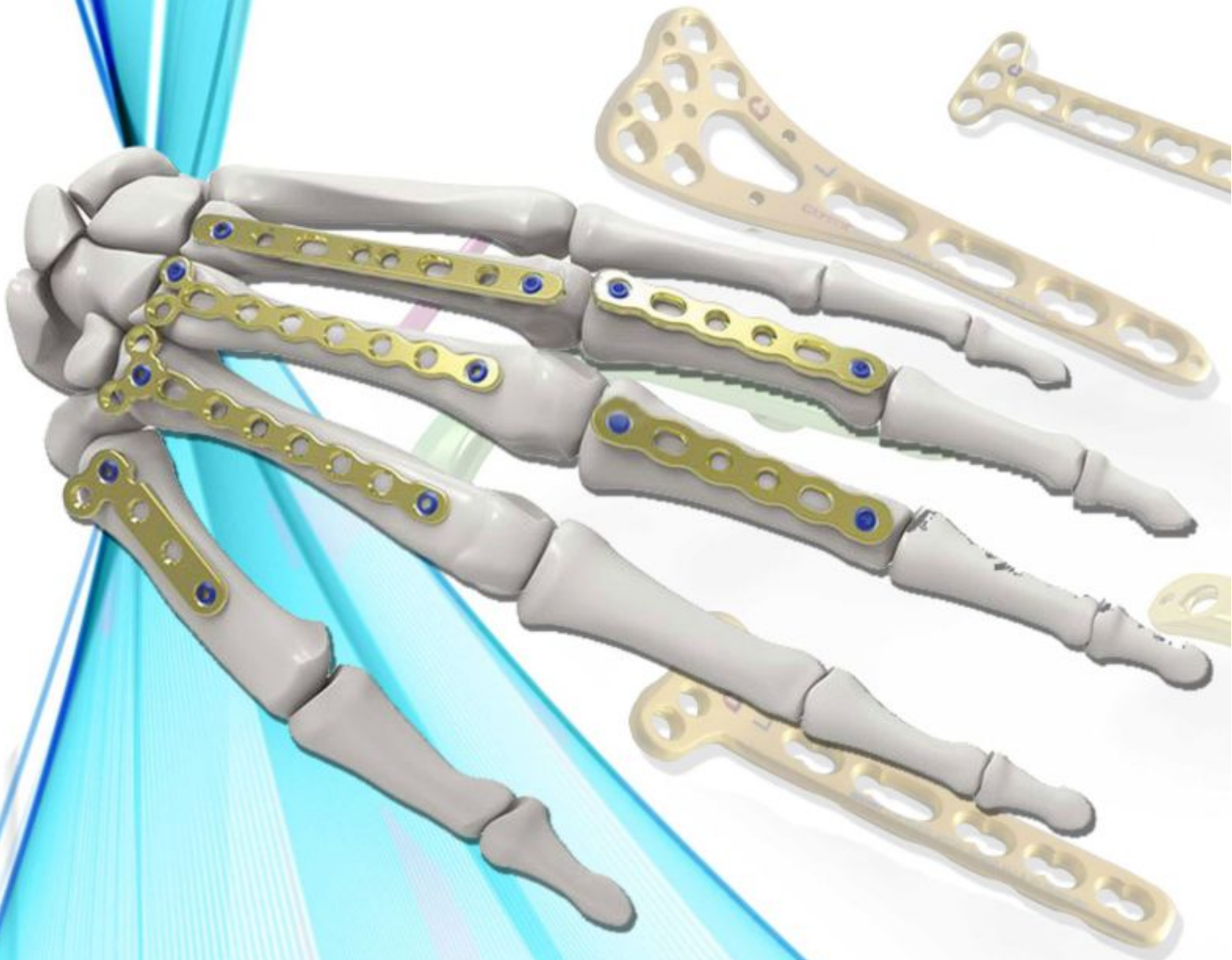


# **IDEAL**

**SURGICAL**

## **ORTHOPAEDIC IMPLANTS & INSTRUMENTS**



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### Life is Precious. Hence, No Compromises!

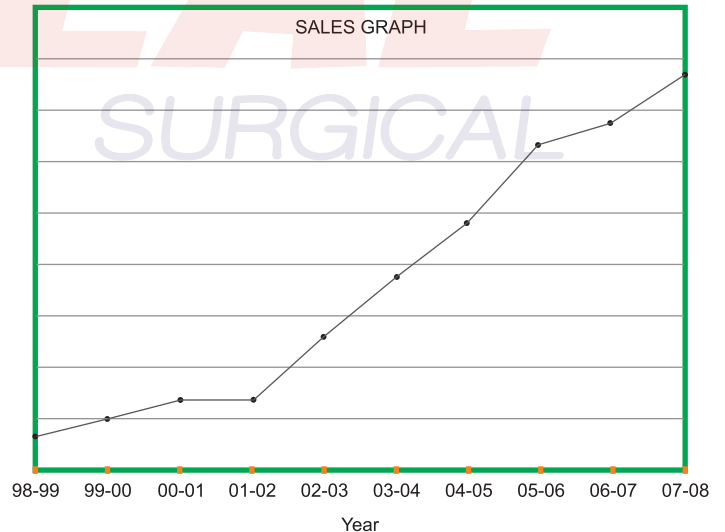
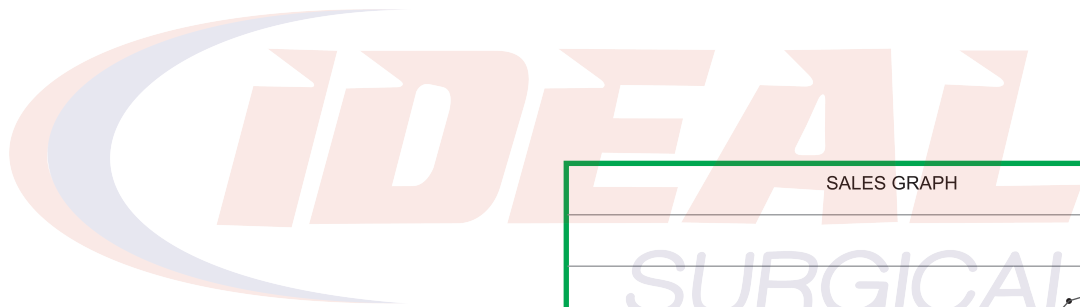
Ideal Surgical is a professionally managed incorporated and profitable company focussed on manufacturing and exporting of a wide range of Orthopaedic Implants & Instruments. We are widely recognized as the "Pakistan's best source to import" because we don't compromise on quality in exchange for a cheaper price. Apart from product quality, we are also reputed for prompt delivery, buyers' friendly policies, and the team which includes some of the most experienced business and technology professionals.

The fact that we are in a business which is directly linked to the health and well being of the people makes us more responsible company, and no matter what, no compromises are made. No doubt, life is precious.

Not only our products conform to ISO 9001:2000, ISO 13485:2003, CE & WHO:GMP standards, but we also constantly exceed international quality norms. We boast of the most modern factories which have the state of the art manufacturing facilities. Also, rigorous quality assurance resources ensure stricter quality control.

The company is currently exporting to more than 80 countries and many importers in Europe sell our products under their brands. This itself is a testimony to acceptances of our core competencies in quality control, product design & development, prototyping, packaging and sterilization.

The company's innovative approach, personalized services, impressive growth rate and 53 years of operational experience has positioned us at No. 1 spot. We believe in long term relationship and mutual growth as objective. At Ideal Surgical, quality is a culture and service a tradition. We invite you to partner with us!

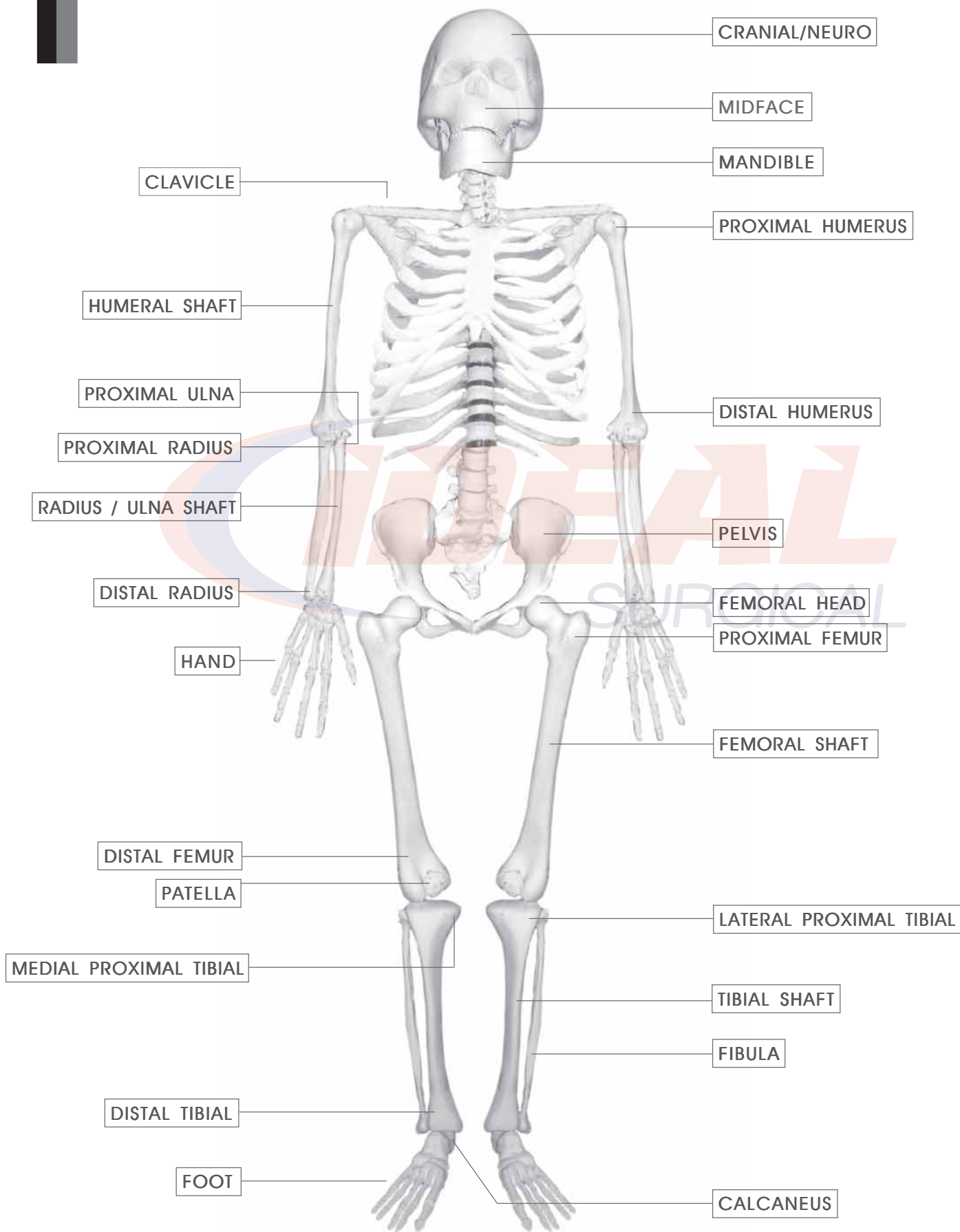


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Notes: We use for Implants Stainless Steel 316L, 316LVM and Titanium medical grade.

...See Last Pages for Detailed Index

This reference chart indicates possible implant options for fractures of specific bones including for Trauma & Craniomaxillofacial Implants.



**Disclaimer Notice :** This reference chart is solely meant for the purpose of guidance and is no substitute for professional training and is not intended to contradict the training. Use of all our products is restricted to professional who are qualified & trained to use them.

### CRANIAL/NEURO

Adaption Plate  
T, 'L', 'Y', 'X', Double 'Y', 'H', 'Z' Plates  
Cranial Plates  
Mesh plates  
Frame Plates  
Strut Plates

### MIDFACE

Adaption Plate  
T, 'L', 'Y', 'X', Double 'Y', 'H', 'Z' Plates  
Maxilla Plate  
Nose plates  
Mesh plates  
Orbital Plates

### MANDIBLE

Adaption Plate  
Mandible Plates  
Splitfix plates  
Tension Band plates  
Unilock Plates  
Frame plates  
Universal fracture plates  
Chin Plates  
T, 'L', 'Y', 'X' Plates

### CLAVICLE

3.5mm Dynamic Compression Plate  
3.5mm Low Contact Dynamic Compression Plate  
3.5mm Dynamic Compression Plate with Safety Locking  
3.5mm Low Contact Dynamic Compression Plate with Safety Locking  
3.5mm / 4.5mm Reconstruction Plate  
3.5mm / 4.5mm Reconstruction Plate with Safety Locking  
3.5mm Clavicle Hook Plate

### PROXIMAL HUMERUS

3.5mm Proximal Humerus Plate  
3.5mm Proximal Humerus Plate with Safety Locking  
4.5mm T Plate / 4.5mm T Plate with Safety Locking  
Metaphyseal Plate with Safety Locking  
Cloverleaf Plate  
Humeral Nail  
4.5mm Cannulated Screws  
External Fixator  
Cerclage Wire

### HUMERAL SHAFT

3.5 mm Dynamic Compression Plate  
3.5 mm Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate with Safety Locking  
3.5 mm Low Contact Dynamic Compression Plate with Safety Locking  
4.5 mm Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Low Contact Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking (BROAD / NARROW)  
Humeral Nail  
TENSE Nail  
External Fixator

### DISTAL HUMERUS

3.5mm Distal Humerus Plate  
3.5mm Distal Humerus Plate with Safety Locking  
3.5mm / 4.5mm Reconstruction Plate  
3.5mm / 4.5mm Reconstruction Plate with Safety Locking  
3.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking  
Locking Metaphyseal Plate with Safety Locking  
1/3 Tubular Plate 4.5mm Cannulated Screws  
External Fixator

### PROXIMAL ULNA

Metaphyseal Plate with Safety Locking  
1/3 Tubular Plate  
3.5mm Reconstruction Plate  
3.5mm Reconstruction Plate with Safety Locking

### RADIUS / ULNA SHAFT

3.5 mm Dynamic Compression Plate  
3.5 mm Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate with Safety Locking  
3.5 mm Low Contact Dynamic Compression Plate with Safety Locking  
3.5mm / 4.5mm Reconstruction Plate  
3.5mm / 4.5mm Reconstruction Plate with Safety Locking  
TENSE Nail  
External Fixator

### DISTAL RADIUS

Mini Fragment / Hand & Foot Implants  
3.5mm T Plate  
3.5mm T Plate with Safety Locking  
Distal Radius Plate  
3.0 or 3.5mm Cannulated Screws  
Small External Fixators

### PROXIMAL RADIUS

Mini Fragment / Hand & Foot Implants  
3.0mm Cannulated Screw

### FEMORAL SHAFT

4.5 mm Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Low Contact Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking (BROAD / NARROW)  
Cerclage Wire  
Retrograde / Antegrade Femoral Nail  
Lateral Entry Femoral Nail  
TENSE Nail  
External Fixator

### HAND

Mini Fragment / Hand & Foot Implants  
2.7 or 3.0mm Cannulated Screws  
Mini External Fixators

### PELVIS

3.5mm / 4.5mm Reconstruction Plate  
3.5mm / 4.5mm Reconstruction Plate with Safety Locking  
3.5 mm Dynamic Compression Plate  
3.5 mm Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate with Safety Locking  
3.5 mm Low Contact Dynamic Compression Plate with Safety Locking  
4.5 mm Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Low Contact Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking (BROAD / NARROW)  
6.5mm - 7mm Cannulated Screws  
Large External Fixator

### DISTAL FEMUR

3.5mm Distal Humerus Plate  
3.5mm Distal Humerus Plate with Safety Locking  
3.5mm / 4.5mm Reconstruction Plate  
3.5mm / 4.5mm Reconstruction Plate with Safety Locking  
3.5 mm Dynamic Compression Plate  
3.5 mm Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate with Safety Locking  
3.5 mm Low Contact Dynamic Compression Plate with Safety Locking  
Metaphyseal Plate with Safety Locking  
1/3 Tubular Plate 4.5mm Cannulated Screws  
External Fixator

### PROXIMAL FEMUR

4.5mm Proximal Femur Plate  
4.5mm Proximal Femur Plate with Safety Locking  
Dynamic Hip Compression Plates  
Angled Blade Plates  
Trochantric Fixation Nail  
Femoral Nails  
4.5mm - 7mm Cannulated Screws

### FEMORAL HEAD

Hip Prothesis  
4.5mm - 7.0mm Cannulated Screws

### PATELLA

Cerclage Wire  
4.5mm Cannulated Screws  
4.0mm Cancellous Bone Screws

### MEDIAL PROXIMAL TIBIAL

3.5mm or 4.5mm Medial Proximal Tibial Plates  
Metaphyseal Plate with Safety Locking  
4.5mm T Plate  
4.5mm T Plate with Safety Locking  
4.5mm Semi-Tubular Plate  
Tibial Nails

### DISTAL TIBIAL

4.5mm Condylar Plates (St. / Curved)  
4.5mm Condylar Plates (St. / Curved) with Safety Locking  
DCS Plates  
95° Angled Blade Plates  
Condylar Buttress Plate  
Distal Femur Plate  
Distal Femur Plate with Safety Locking  
Retrograde Nail / Antegrade Femoral Nail  
Distal Femoral Nail  
Supra Condylar Nail  
6.5mm - 7mm Cannulated Screws  
Large External Fixator

### LATERAL PROXIMAL TIBIAL

3.5mm or 4.5mm Proximal Tibial Plate  
3.5mm or 4.5mm Proximal Tibial Plate with Safety Locking  
Metaphyseal Plate with Safety Locking  
4.5mm 'T' or 'L' Buttress Plate  
4.5mm 'T' or 'L' Buttress Plate with Safety Locking  
Lateral Tibial Head Buttress Plate  
Lateral Tibial Head Buttress Plate with Safety Locking  
Tibial Nails  
4.5mm - 7.0mm Cannulated Screws  
External Fixators

### TIBIAL SHAFT

4.5 mm Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Low Contact Dynamic Compression Plate (BROAD / NARROW)  
4.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking (BROAD / NARROW)  
3.5mm Broad Low Contact Dynamic Compression Plate  
Tibial Nail  
TENSE Nail  
External Fixator

### FOOT

Mini Fragment / Hand & Foot Implants  
2.5mm - 7.0mm Cannulated Screws  
Small External Fixator

### FIBULA

1/3 Tubular Plate  
3.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate  
3.5 mm Dynamic Compression Plate / Low Contact Dynamic Compression Plate with Safety Locking  
4.5mm Reconstruction Plate  
4.5mm Reconstruction Plate with Safety Locking

### CALCANEUS

Calcaneal Plate  
Calcaneal 'Y' Plate  
4.5mm Cannulated Screws

**Disclaimer Notice** : This reference chart is solely meant for the purpose of guidance and is no substitute for professional training and is not intended to contradict the training. Use of all our products is restricted to professional who are qualified & trained to use them.

# Guidelines for Use of Implants



**DISCLAIMER NOTICE:** This manual is solely meant for the purpose of guidance and is no substitute for professional training and is not intended to contradict the training. Use of all our products is restricted to professional who are qualified & trained to use them. The safe and effective usage of this product largely depends on the skill of the operator. Do not use on self. Call for expert help. We are not liable for any damages due to improper or unauthorized usage or mishandling. It is buyer's responsibility to keep the products & packing away from the reach of unauthorized people, children & animals, and, dispose them off in an environment friendly way. You must keep proper record of the product to assist product recalls (if any). All disputes are subject to New Delhi Jurisdiction.

**Surgical Implants** act as internal aids to normal healing and cannot bear the weight of the body when the bone is incompletely healed. Surgical implants have given the surgeon a means of rigid fixation for fracture management and reconstructive surgery.

**I. SELECTION OF THE PATIENT:** During selection of patients the following factors have to be considered.

**a) Immunological Intolerance** - Immunological intolerance may occur in some patient. Where material sensitivity is suspected, appropriate foreign body tests should be performed.

**b) Degenerative Diseases:** In the case of patients suffering from degenerative diseases, this can get aggravated during implantation, and will decrease the expected life of the implant. In such cases, surgery can be considered only as a temporary relief.

**c) Mental Illness:** Mental illness or schizophrenia may cause patients to ignore, the limitations and precautions of the implanted material, leading to implants fracture and complication.

**d) Alcohol and Drug Addiction:** Patients who are addicted to alcohol and drugs may ignore during the state of stupor or during the stage of withdrawal, the necessary precautions for the use of implants. This may result in complications of implants failure.

**e) Obesity:** An obese patient produce abnormal stresses leading to increased load on the implant which ultimately result in failure of the implant.

**f) Activity:** If the patient indulges in an activity involving significant muscular strain in the implanted region, then the result could be failure of the implant.

**2. SELECTION OF THE IMPLANT:** for successful implantation the selection of the proper size, shape and design of the implant is important. The size and the shape of the human bones puts limitations of size and strength of implants during fracture management and reconstructive surgery. The doctor/Orthopaedic Surgeon has to select the appropriate implant depending upon the application which should also be free from any apparent corrosion or any manufacturing defect.

**3. HANDLING OF IMPLANTS:** The plate should conform to the shape of the bone, and any inequality should be adjusted by accurate shaping of the plate before it is fixed. The technique of using the screws to bend a plate to fit the bone is not recommended as the screws are instantly subjected to a strong expelling force. Hence, plate contouring should be done by the plate benders design for this purpose. Care should be taken that there are no scratches or distortions notches, sharp dents or reverse bends at the site of the screw hole. These may cause defects on surface finish and result in improper bonding.

**4. UNSTABLE:** Plates even if bent and properly fixed may fatigue and break. Breakage may be due to unstable implant fixation or insufficient support. If the screw is not properly centered as it is being tightened there will be tendency for the countersink in the plate to force it to one side, thereby damaging the good threads already cut in the bone and producing a strain which will probably lead to necrosis and early loosening of the screw.

**5. IMPLANT REMOVAL:** The surgeon must take the final decision on implant removal. It is recommended that the implant used as an aid for healing should be removed once its services is over, particularly in younger and more active patients.

**6. POST OPERATIVE CARE:** A patient must be made aware of the limitations of metallic implants and take precautions to avoid unnecessary stress to implant. No partial weight bearing or non-weight bearing device can be expected to withstand the unsupported stresses of full weight bearing or excessive muscular activity when there is an ununited fracture. Bone union is must and the patient must restrict his activities to assist in healing.

**7. SECOND HAND IMPLANTS:** Used implants which appear un-damaged may have internal and external defects. It is possible that individual stress analysis of each part fail to reveal the accumulated stress on the metals as a result of use within the body. This may lead ultimately to implant failure. Every implant must be discarded after use and should never be re-used. They should be bent & then disposed properly so that they are unfit for reuse. While disposing, ensure that the discarded implant does not pose any threat to children, stray animals & environment.

**8. INCOMPATIBLE COMBINATIONS:** Implant components from one manufacture should not be used with those of another. Implants from each manufacture may have metal and design differences, so that use in conjunction with different device could lead to inadequate fixation or corrosion of the implant due to generation of peizo currents.

**9. PACKAGING DISPOSAL:** The packaging material of this device if swallowed may cause choking hazards. Therefore, it should be disposed in such a way that it is out of reach of children & stray animals.

**10. STERILITY:** For sterilized devices( by Gamma Radiation Sterilization Process as per International Standard IAEA - TECH-DOC-539, ISO-11137 94 AAMI & EN-552) if the packaging of the device is perfectly sealed & untampered, the device remains sterile for a minimum of 5 year from the date of sterility. This date is also mentioned in the sticker put on the packaging of the device & should be checked by the end user before use. In case the device is not perfectly sealed or the sterilization has expired, the device should be considered as non- Sterile & method of sterilization should be followed as given below. In case the device is supplied non-sterile, it should be sterilized before use by steam sterilization at Sterilizing Temperature- 121° C with sterilizing time of 25-30 minutes and steam pressure of 15 psi. The same has been validated.

**11. USE:** This device should be used by Qualified & Specialized Trained Surgeons Only.

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SAFETY LOCKING PLATES





**DISTAL HUMERUS SAFETY LOCKING PLATE 2.7/3.5MM, DORSOLATERAL - LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	SF-601.03L	Ti-SF-601.03L	SF-601.03R	Ti-SF-601.03R
5	SF-601.05L	Ti-SF-601.05L	SF-601.05R	Ti-SF-601.05R
7	SF-601.07L	Ti-SF-601.07L	SF-601.07R	Ti-SF-601.07R
9	SF-601.09L	Ti-SF-601.09L	SF-601.09R	Ti-SF-601.09R
14	SF-601.14L	Ti-SF-601.14L	SF-601.14R	Ti-SF-601.14R



**DISTAL HUMERUS SAFETY LOCKING PLATE 2.7/3.5MM, DORSOLATERAL WITH LATERAL SUPPORT - LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	SF-603.03L	Ti-SF-603.03L	SF-603.03R	Ti-SF-603.03R
5	SF-603.05L	Ti-SF-603.05L	SF-603.05R	Ti-SF-603.05R
7	SF-603.07L	Ti-SF-603.07L	SF-603.07R	Ti-SF-603.07R
9	SF-603.09L	Ti-SF-603.09L	SF-603.09R	Ti-SF-603.09R
14	SF-603.14L	Ti-SF-603.14L	SF-603.14R	Ti-SF-603.14R



**HUMERUS DISTAL MEDIAL SAFETY LOCKING PLATE 2.7/3.5MM LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	SF-604.03L	Ti-SF-604.03L	SF-604.03R	Ti-SF-604.03R
5	SF-604.05L	Ti-SF-604.05L	SF-604.05R	Ti-SF-604.05R
7	SF-604.07L	Ti-SF-604.07L	SF-604.07R	Ti-SF-604.07R
9	SF-604.09L	Ti-SF-604.09L	SF-604.09R	Ti-SF-604.09R
14	SF-604.14L	Ti-SF-604.14L	SF-604.14R	Ti-SF-604.14R



**PROXIMAL HUMERUS SAFETY LOCKING PLATE**

No. of Holes	Codes	
	S.S.	Titanium
5	SF-640.005	Ti-SF-640.005
6	SF-640.006	Ti-SF-640.006
7	SF-640.007	Ti-SF-640.007
8	SF-640.008	Ti-SF-640.008



**3.5MM SMALL DYNAMIC COMPRESSION SAFETY LOCKING PLATE WITH LC UNDER CUTS**

No. of Holes	Codes	
	S.S.	Titanium
4	SF-147.104	Ti-SF-147.104
5	SF-147.105	Ti-SF-147.105
6	SF-147.106	Ti-SF-147.106
7	SF-147.107	Ti-SF-147.107
8	SF-147.108	Ti-SF-147.108
9	SF-147.109	Ti-SF-147.109
10	SF-147.110	Ti-SF-147.110
11	SF-147.111	Ti-SF-147.111
12	SF-147.112	Ti-SF-147.112



**DISTAL TIBIA SAFETY LOCKING PLATE 2.7/3.5MM LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
4	SF-605.04L	Ti-SF-605.04L	SF-605.04R	Ti-SF-605.04R
6	SF-605.06L	Ti-SF-605.06L	SF-605.06R	Ti-SF-605.06R
8	SF-605.08L	Ti-SF-605.08L	SF-605.08R	Ti-SF-605.08R
10	SF-605.10L	Ti-SF-605.10L	SF-605.10R	Ti-SF-605.10R
12	SF-605.12L	Ti-SF-605.12L	SF-605.12R	Ti-SF-605.12R
14	SF-605.14L	Ti-SF-605.14L	SF-605.14R	Ti-SF-605.14R



**SAFETY LOCKING SMALL OBLIQUE 'T' PLATE 3.5MM  
LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	SF-142.103L	Ti-SF-142.103L	SF-142.103R	Ti-SF-142.103R
4	SF-142.104L	Ti-SF-142.104L	SF-142.104R	Ti-SF-142.104R
5	SF-142.105L	Ti-SF-142.105L	SF-142.105R	Ti-SF-142.105R
6	SF-142.106L	Ti-SF-142.106L	SF-142.106R	Ti-SF-142.106R



**SAFETY LOCKING SMALL 'T' PLATE 3.5MM**

No. of Holes	Codes	
	S.S.	Titanium
3	SF-141.103	Ti-SF-141.103
4	SF-141.104	Ti-SF-141.104
5	SF-141.105	Ti-SF-141.105
6	SF-141.106	Ti-SF-141.106



**PROXIMAL TIBIA SAFETY LOCKING PLATE 3.5MM  
LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
4	SF-607.04L	Ti-SF-607.04L	SF-607.04R	Ti-SF-607.04R
6	SF-607.06L	Ti-SF-607.06L	SF-607.06R	Ti-SF-607.06R
8	SF-607.08L	Ti-SF-607.08L	SF-607.08R	Ti-SF-607.08R
10	SF-607.10L	Ti-SF-607.10L	SF-607.10R	Ti-SF-607.10R
12	SF-607.12L	Ti-SF-607.12L	SF-607.12R	Ti-SF-607.12R
14	SF-607.14L	Ti-SF-607.14L	SF-607.14R	Ti-SF-607.14R
16	SF-607.16L	Ti-SF-607.16L	SF-607.16R	Ti-SF-607.16R



**CLOVERLEAF SAFETY LOCKING PLATE 3.5MM**

No. of Holes	Codes	
	S.S.	Titanium
3	SF-146.103	Ti-SF-146.103
4	SF-146.104	Ti-SF-146.104
5	SF-146.105	Ti-SF-146.105
6	SF-146.106	Ti-SF-146.106



**CLAVICLE HOOK SAFETY LOCKING PLATE 3.5MM  
LEFT & RIGHT**

No. of Holes	Hook Depth	Codes - for Left		Codes - for Right	
		S.S.	Titanium	S.S.	Titanium
4	12 mm	SF-609.01L	Ti-SF-609.01L	SF-609.01R	Ti-SF-609.01R
4	15 mm	SF-609.03L	Ti-SF-609.03L	SF-609.03R	Ti-SF-609.03R
4	18 mm	SF-609.05L	Ti-SF-609.05L	SF-609.05R	Ti-SF-609.05R
5	12 mm	SF-609.07L	Ti-SF-609.07L	SF-609.07R	Ti-SF-609.07R
5	15 mm	SF-609.09L	Ti-SF-609.09L	SF-609.09R	Ti-SF-609.09R
5	18 mm	SF-609.11L	Ti-SF-609.11L	SF-609.11R	Ti-SF-609.11R
6	15 mm	SF-609.13L	Ti-SF-609.13L	SF-609.13R	Ti-SF-609.13R
6	18 mm	SF-609.15L	Ti-SF-609.15L	SF-609.15R	Ti-SF-609.15R
7	15 mm	SF-609.17L	Ti-SF-609.17L	SF-609.17R	Ti-SF-609.17R
7	18 mm	SF-609.19L	Ti-SF-609.19L	SF-609.19R	Ti-SF-609.19R



**METAPHYSEAL SAFETY LOCKING PLATE 3.5MM  
FOR DISTAL, MEDIAL HUMERUS**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
7	80	SF-611.07	Ti-SF-611.07
9	106	SF-611.09	Ti-SF-611.09
11	132	SF-611.11	Ti-SF-611.11
13	158	SF-611.13	Ti-SF-611.13
15	184	SF-611.15	Ti-SF-611.15



**METAPHYSEAL SAFETY LOCKING PLATE 3.5MM**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
6	86	SF-613.06	Ti-SF-613.06
7	99	SF-613.07	Ti-SF-613.07
8	112	SF-613.08	Ti-SF-613.08
9	125	SF-613.09	Ti-SF-613.09
10	138	SF-613.10	Ti-SF-613.10
11	151	SF-613.11	Ti-SF-613.11
12	164	SF-613.12	Ti-SF-613.12
14	190	SF-613.13	Ti-SF-613.13
16	216	SF-613.14	Ti-SF-613.14
18	242	SF-613.15	Ti-SF-613.15



**METAPHYSEAL SAFETY LOCKING PLATES  
3.5/4.5/5.0MM**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
5+3	118	SF-615.03	Ti-SF-615.03
5+4	136	SF-615.04	Ti-SF-615.04
5+5	154	SF-615.05	Ti-SF-615.05
5+6	172	SF-615.06	Ti-SF-615.06
5+7	190	SF-615.07	Ti-SF-615.07
5+8	208	SF-615.08	Ti-SF-615.08
5+9	226	SF-615.09	Ti-SF-615.09
5+11	262	SF-615.11	Ti-SF-615.11
5+13	298	SF-615.13	Ti-SF-615.13
5+15	334	SF-615.15	Ti-SF-615.15



**RECONSTRUCTION SAFETY LOCKING PLATES 3.5MM**

No. of Holes	Codes	
	S.S.	Titanium
5	SF-144.105	Ti-SF-144.105
6	SF-144.106	Ti-SF-144.106
7	SF-144.107	Ti-SF-144.107
8	SF-144.108	Ti-SF-144.108
9	SF-144.109	Ti-SF-144.109
10	SF-144.110	Ti-SF-144.110
11	SF-144.111	Ti-SF-144.111
12	SF-144.112	Ti-SF-144.112
13	SF-144.113	Ti-SF-144.113
14	SF-144.114	Ti-SF-144.114
15	SF-144.115	Ti-SF-144.115
16	SF-144.116	Ti-SF-144.116
17	SF-144.117	Ti-SF-144.117
18	SF-144.118	Ti-SF-144.118
19	SF-144.119	Ti-SF-144.119
20	SF-144.120	Ti-SF-144.120



**METAPHYSEAL SAFETY LOCKING PLATES  
3.5/4.5/5.0MM FOR DISTAL MEDIAL TIBIA**

No. of Holes	Length in mm	Codes - for Left		Codes - for Right	
		S.S.	Titanium	S.S.	Titanium
4+4	123	SF-617.04L	Ti-SF-617.04L	SF-617.04R	Ti-SF-617.04R
4+5	141	SF-617.05L	Ti-SF-617.05L	SF-617.05R	Ti-SF-617.05R
4+6	159	SF-617.06L	Ti-SF-617.06L	SF-617.06R	Ti-SF-617.06R
4+7	177	SF-617.07L	Ti-SF-617.07L	SF-617.07R	Ti-SF-617.07R
4+8	195	SF-617.08L	Ti-SF-617.08L	SF-617.08R	Ti-SF-617.08R
4+9	213	SF-617.09L	Ti-SF-617.09L	SF-617.09R	Ti-SF-617.09R
4+10	231	SF-617.10L	Ti-SF-617.10L	SF-617.10R	Ti-SF-617.10R
4+12	267	SF-617.11L	Ti-SF-617.11L	SF-617.11R	Ti-SF-617.11R
4+14	303	SF-617.12L	Ti-SF-617.12L	SF-617.12R	Ti-SF-617.12R
4+16	339	SF-617.13L	Ti-SF-617.13L	SF-617.13R	Ti-SF-617.13R
4+18	375	SF-617.14L	Ti-SF-617.14L	SF-617.14R	Ti-SF-617.14R
4+20	411	SF-617.15L	Ti-SF-617.15L	SF-617.15R	Ti-SF-617.15R



**SAFETY LOCKING SCREW  
DIA. 3.5MM - SELF TAPPING**



Length in mm	Codes	
	S.S.	Titanium
10	SF-102.210	Ti-SF-102.210
12	SF-102.212	Ti-SF-102.212
14	SF-102.214	Ti-SF-102.214
16	SF-102.216	Ti-SF-102.216
18	SF-102.218	Ti-SF-102.218
20	SF-102.220	Ti-SF-102.220
22	SF-102.222	Ti-SF-102.222
24	SF-102.224	Ti-SF-102.224
26	SF-102.226	Ti-SF-102.226
28	SF-102.228	Ti-SF-102.228
30	SF-102.230	Ti-SF-102.230
32	SF-102.232	Ti-SF-102.232
34	SF-102.234	Ti-SF-102.234
36	SF-102.236	Ti-SF-102.236
38	SF-102.238	Ti-SF-102.238
40	SF-102.240	Ti-SF-102.240
42	SF-102.242	Ti-SF-102.242
44	SF-102.244	Ti-SF-102.244
46	SF-102.246	Ti-SF-102.246
48	SF-102.248	Ti-SF-102.248
50	SF-102.250	Ti-SF-102.250
52	SF-102.252	Ti-SF-102.252
54	SF-102.254	Ti-SF-102.254
56	SF-102.256	Ti-SF-102.256
58	SF-102.258	Ti-SF-102.258
60	SF-102.260	Ti-SF-102.260

**SAFETY LOCKING SCREW - DIA. 3.5MM  
SELF TAPPING AND SELF DRILLING**



Length in mm	Codes	
	S.S.	Titanium
10	SF-102.410	Ti-SF-102.410
12	SF-102.412	Ti-SF-102.412
14	SF-102.414	Ti-SF-102.414
16	SF-102.416	Ti-SF-102.416
18	SF-102.418	Ti-SF-102.418
20	SF-102.420	Ti-SF-102.420
22	SF-102.422	Ti-SF-102.422
24	SF-102.424	Ti-SF-102.424
26	SF-102.426	Ti-SF-102.426
28	SF-102.428	Ti-SF-102.428
30	SF-102.430	Ti-SF-102.430
32	SF-102.432	Ti-SF-102.432
34	SF-102.434	Ti-SF-102.434
36	SF-102.436	Ti-SF-102.436
38	SF-102.438	Ti-SF-102.438
40	SF-102.440	Ti-SF-102.440
42	SF-102.442	Ti-SF-102.442
44	SF-102.444	Ti-SF-102.444
46	SF-102.446	Ti-SF-102.446
48	SF-102.448	Ti-SF-102.448
50	SF-102.450	Ti-SF-102.450
52	SF-102.452	Ti-SF-102.452
54	SF-102.454	Ti-SF-102.454
56	SF-102.456	Ti-SF-102.456
58	SF-102.458	Ti-SF-102.458
60	SF-102.460	Ti-SF-102.460

**SAFETY LOCKING SCREW  
DIA. 2.7MM - SELF TAPPING**



Length in mm	Codes	
	S.S.	Titanium
20	SF-101.420	Ti-SF-101.420
22	SF-101.422	Ti-SF-101.422
24	SF-101.424	Ti-SF-101.424
26	SF-101.426	Ti-SF-101.426
28	SF-101.428	Ti-SF-101.428
30	SF-101.430	Ti-SF-101.430
32	SF-101.432	Ti-SF-101.432
34	SF-101.434	Ti-SF-101.434
36	SF-101.436	Ti-SF-101.436
38	SF-101.438	Ti-SF-101.438
40	SF-101.440	Ti-SF-101.440
42	SF-101.442	Ti-SF-101.442
44	SF-101.444	Ti-SF-101.444
46	SF-101.446	Ti-SF-101.446
48	SF-101.448	Ti-SF-101.448
50	SF-101.450	Ti-SF-101.450
52	SF-101.452	Ti-SF-101.452
54	SF-101.454	Ti-SF-101.454
56	SF-101.456	Ti-SF-101.456
58	SF-101.458	Ti-SF-101.458
60	SF-101.460	Ti-SF-101.460





**BROAD DYNAMIC COMPRESSION  
SAFETY LOCKING PLATES  
WITH LC UNDER CUTS  
4.5MM/5.0MM**

No. of Holes	Codes	
	S.S.	Titanium
5	SF-151.105	Ti-SF-151.105
6	SF-151.106	Ti-SF-151.106
7	SF-151.107	Ti-SF-151.107
8	SF-151.108	Ti-SF-151.108
9	SF-151.109	Ti-SF-151.109
10	SF-151.110	Ti-SF-151.110
11	SF-151.111	Ti-SF-151.111
12	SF-151.112	Ti-SF-151.112
13	SF-151.113	Ti-SF-151.113
14	SF-151.114	Ti-SF-151.114
15	SF-151.115	Ti-SF-151.115
16	SF-151.116	Ti-SF-151.116
18	SF-151.118	Ti-SF-151.118
20	SF-151.120	Ti-SF-151.120
22	SF-151.122	Ti-SF-151.122
24	SF-151.124	Ti-SF-151.124



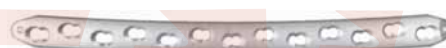
**NARROW DYNAMIC COMPRESSION  
SAFETY LOCKING PLATES  
WITH LC UNDER CUTS  
4.5MM/5.0MM**

No. of Holes	Codes	
	S.S.	Titanium
5	SF-150.105	Ti-SF-150.105
6	SF-150.106	Ti-SF-150.106
7	SF-150.107	Ti-SF-150.107
8	SF-150.108	Ti-SF-150.108
9	SF-150.109	Ti-SF-150.109
10	SF-150.110	Ti-SF-150.110
11	SF-150.111	Ti-SF-150.111
12	SF-150.112	Ti-SF-150.112
13	SF-150.113	Ti-SF-150.113
14	SF-150.114	Ti-SF-150.114
15	SF-150.115	Ti-SF-150.115
16	SF-150.116	Ti-SF-150.116
18	SF-150.118	Ti-SF-150.118
20	SF-150.120	Ti-SF-150.120
22	SF-150.122	Ti-SF-150.122
24	SF-150.124	Ti-SF-150.124



**DISTAL FEMORAL SAFETY LOCKING PLATES  
4.5MM/5.0MM - LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
5	SF-635.005L	Ti-SF-635.005L	SF-635.005R	Ti-SF-635.005R
6	SF-635.006L	Ti-SF-635.006L	SF-635.006R	Ti-SF-635.006R
7	SF-635.007L	Ti-SF-635.007L	SF-635.007R	Ti-SF-635.007R
8	SF-635.008L	Ti-SF-635.008L	SF-635.008R	Ti-SF-635.008R
9	SF-635.009L	Ti-SF-635.009L	SF-635.009R	Ti-SF-635.009R
10	SF-635.010L	Ti-SF-635.010L	SF-635.010R	Ti-SF-635.010R
11	SF-635.011L	Ti-SF-635.011L	SF-635.011R	Ti-SF-635.011R
12	SF-635.012L	Ti-SF-635.012L	SF-635.012R	Ti-SF-635.012R
12	SF-635.013L	Ti-SF-635.013L	SF-635.013R	Ti-SF-635.013R



**BROADLY CURVED SAFETY LOCKING PLATES  
4.5/5.0MM**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
12	229	SF-619.12	Ti-SF-619.12
13	247	SF-619.13	Ti-SF-619.13
14	265	SF-619.14	Ti-SF-619.14
15	282	SF-619.15	Ti-SF-619.15
16	300	SF-619.16	Ti-SF-619.16
17	318	SF-619.17	Ti-SF-619.17
18	336	SF-619.18	Ti-SF-619.18



**RECONSTRUCTION SAFETY LOCKING PLATES  
4.5MM/5.0MM**

No. of Holes	Codes	
	S.S.	Titanium
3	SF-149.103	Ti-SF-149.103
4	SF-149.104	Ti-SF-149.104
5	SF-149.105	Ti-SF-149.105
6	SF-149.106	Ti-SF-149.106
7	SF-149.107	Ti-SF-149.107
8	SF-149.108	Ti-SF-149.108
9	SF-149.109	Ti-SF-149.109
10	SF-149.110	Ti-SF-149.110
11	SF-149.111	Ti-SF-149.111
12	SF-149.112	Ti-SF-149.112
13	SF-149.113	Ti-SF-149.113
14	SF-149.114	Ti-SF-149.114
15	SF-149.115	Ti-SF-149.115
16	SF-149.116	Ti-SF-149.116



**L BUTTRESS SAFETY LOCKING PLATES  
4.5MM/5.0MM - LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	SF-161.133L	Ti-SF-161.133L	SF-161.103R	Ti-SF-161.103R
4	SF-161.134L	Ti-SF-161.134L	SF-161.104R	Ti-SF-161.104R
5	SF-161.135L	Ti-SF-161.135L	SF-161.105R	Ti-SF-161.105R
6	SF-161.136L	Ti-SF-161.136L	SF-161.106R	Ti-SF-161.106R
7	SF-161.137L	Ti-SF-161.137L	SF-161.107R	Ti-SF-161.107R
8	SF-161.138L	Ti-SF-161.138L	SF-161.108R	Ti-SF-161.108R
9	SF-161.139L	Ti-SF-161.139L	SF-161.109R	Ti-SF-161.109R
10	SF-161.140L	Ti-SF-161.140L	SF-161.110R	Ti-SF-161.110R



**T BUTTRESS SAFETY LOCKING PLATES  
4.5MM/5.0MM**

No. of Holes	Codes	
	S.S.	Titanium
4	SF-160.104	Ti-SF-160.104
5	SF-160.105	Ti-SF-160.105
6	SF-160.106	Ti-SF-160.106
7	SF-160.107	Ti-SF-160.107
8	SF-160.108	Ti-SF-160.108
9	SF-160.109	Ti-SF-160.109
10	SF-160.110	Ti-SF-160.110
12	SF-160.112	Ti-SF-160.112



**SAFETY LOCKING 'T' PLATE  
4.5MM/5.0MM**

No. of Holes	Codes	
	S.S.	Titanium
3	SF-159.103	Ti-SF-159.103
4	SF-159.104	Ti-SF-159.104
5	SF-159.105	Ti-SF-159.105
6	SF-159.106	Ti-SF-159.106
7	SF-159.107	Ti-SF-159.107
8	SF-159.108	Ti-SF-159.108
9	SF-159.109	Ti-SF-159.109



**PROXIMAL TIBIAL SAFETY LOCKING PLATES  
4.5/5.0MM - LATERAL, LEFT**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	82	SF-608.104L	Ti-SF-608.104L
6	118	SF-608.106L	Ti-SF-608.106L
8	154	SF-608.108L	Ti-SF-608.108L



**PROXIMAL TIBIAL SAFETY LOCKING PLATES  
4.5/5.0MM - LATERAL, RIGHT**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	82	SF-608.104R	Ti-SF-608.104R
6	118	SF-608.106R	Ti-SF-608.106R
8	154	SF-608.108R	Ti-SF-608.108R



**CONDYLAR FEMORAL SAFETY LOCKING PLATES  
4.5MM/5.0MM, LEFT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
7	SF-164.107R	Ti-SF-164.107R	SF-164.007L	Ti-SF-164.007L
9	SF-164.109R	Ti-SF-164.109R	SF-164.009L	Ti-SF-164.009L
11	SF-164.111R	Ti-SF-164.111R	SF-164.011L	Ti-SF-164.011L
12	SF-164.112R	Ti-SF-164.112R	SF-164.012L	Ti-SF-164.012L
13	SF-164.113R	Ti-SF-164.113R	SF-164.013L	Ti-SF-164.013L
15	SF-164.115R	Ti-SF-164.115R	SF-164.015L	Ti-SF-164.015L



**CONDYLAR FEMORAL SAFETY LOCKING PLATES  
WITH LC UNDER CUTS, 4.5MM/5.0MM, RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
7	SF-164.407R	Ti-SF-164.407R	SF-164.307L	Ti-SF-164.307L
9	SF-164.409R	Ti-SF-164.409R	SF-164.309L	Ti-SF-164.309L
11	SF-164.411R	Ti-SF-164.411R	SF-164.311L	Ti-SF-164.311L
12	SF-164.412R	Ti-SF-164.412R	SF-164.312L	Ti-SF-164.312L
13	SF-164.413R	Ti-SF-164.413R	SF-164.313L	Ti-SF-164.313L
15	SF-164.415R	Ti-SF-164.415R	SF-164.315L	Ti-SF-164.315L



**LATERAL TIBIAL HEAD BUTTRESS SAFETY LOCKING PLATES  
4.5MM/5.0MM, LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
5	SF-165.105L	Ti-SF-165.105L	SF-165.005R	Ti-SF-165.005R
7	SF-165.107L	Ti-SF-165.107L	SF-165.007R	Ti-SF-165.007R
9	SF-165.109L	Ti-SF-165.109L	SF-165.009R	Ti-SF-165.009R
11	SF-165.111L	Ti-SF-165.111L	SF-165.011R	Ti-SF-165.011R
13	SF-165.113L	Ti-SF-165.113L	SF-165.013R	Ti-SF-165.013R



**LATERAL TIBIAL HEAD BUTTRESS SAFETY LOCKING PLATES  
4.5MM/5.0MM, WITH LC UNDER CUTS, LEFT & RIGHT**

No. of Holes	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
5	SF-165.405L	Ti-SF-165.405L	SF-165.305R	Ti-SF-165.305R
7	SF-165.407L	Ti-SF-165.407L	SF-165.307R	Ti-SF-165.307R
9	SF-165.409L	Ti-SF-165.409L	SF-165.309R	Ti-SF-165.309R
11	SF-165.411L	Ti-SF-165.411L	SF-165.311R	Ti-SF-165.311R
13	SF-165.413L	Ti-SF-165.413L	SF-165.313R	Ti-SF-165.313R



**SAFETY LOCKING SCREW  
DIA. 5.0MM, SELF TAPPING**



Length in mm	Codes	
	S.S.	Titanium
12	SF-500.012	Ti-SF-500.012
14	SF-500.014	Ti-SF-500.014
16	SF-500.016	Ti-SF-500.016
18	SF-500.018	Ti-SF-500.018
20	SF-500.020	Ti-SF-500.020
22	SF-500.022	Ti-SF-500.022
24	SF-500.024	Ti-SF-500.024
26	SF-500.026	Ti-SF-500.026
28	SF-500.028	Ti-SF-500.028
30	SF-500.030	Ti-SF-500.030
32	SF-500.032	Ti-SF-500.032
34	SF-500.034	Ti-SF-500.034
36	SF-500.036	Ti-SF-500.036
38	SF-500.038	Ti-SF-500.038
40	SF-500.040	Ti-SF-500.040
42	SF-500.042	Ti-SF-500.042
44	SF-500.044	Ti-SF-500.044
46	SF-500.046	Ti-SF-500.046
48	SF-500.048	Ti-SF-500.048
50	SF-500.050	Ti-SF-500.050
55	SF-500.055	Ti-SF-500.055
60	SF-500.060	Ti-SF-500.060
65	SF-500.065	Ti-SF-500.065
70	SF-500.070	Ti-SF-500.070
75	SF-500.075	Ti-SF-500.075
80	SF-500.080	Ti-SF-500.080
85	SF-500.085	Ti-SF-500.085
90	SF-500.090	Ti-SF-500.090



**SAFETY LOCKING SCREW - DIA. 5.0MM,  
SELF TAPPING AND SELF DRILLING**

Length in mm	Codes	
	S.S.	Titanium
12	SF-500.212	Ti-SF-500.212
14	SF-500.214	Ti-SF-500.214
16	SF-500.216	Ti-SF-500.216
18	SF-500.218	Ti-SF-500.218
20	SF-500.220	Ti-SF-500.220
22	SF-500.222	Ti-SF-500.222
24	SF-500.224	Ti-SF-500.224
26	SF-500.226	Ti-SF-500.226
28	SF-500.228	Ti-SF-500.228
30	SF-500.230	Ti-SF-500.230
32	SF-500.232	Ti-SF-500.232
34	SF-500.234	Ti-SF-500.234
36	SF-500.236	Ti-SF-500.236
38	SF-500.238	Ti-SF-500.238
40	SF-500.240	Ti-SF-500.240
42	SF-500.242	Ti-SF-500.242
44	SF-500.244	Ti-SF-500.244
46	SF-500.246	Ti-SF-500.246
48	SF-500.248	Ti-SF-500.248
50	SF-500.250	Ti-SF-500.250
55	SF-500.255	Ti-SF-500.255
60	SF-500.260	Ti-SF-500.260
65	SF-500.265	Ti-SF-500.265
70	SF-500.270	Ti-SF-500.270
75	SF-500.275	Ti-SF-500.275
80	SF-500.280	Ti-SF-500.280
85	SF-500.285	Ti-SF-500.285
90	SF-500.290	Ti-SF-500.290

SAFETY PLATE SYSTEM - SLEEVES & DRILL BITS



**Drill Bit - S.S. Quick Coupling End**  
Code No.: 260.200

**DRILL BIT - S.S. - QUICK COUPLING END**

Code No.	Dia. mm	Length mm
260.190	1.1	60
260.192	1.5	60
260.200	2.0	100
260.250	2.5	115
260.251	2.5	130
260.271	2.7	130
260.273	2.7	200
260.276	2.8	165
260.300	3.0	130
260.320	3.2	130
260.325	3.2	200
260.350	3.5	130
260.375	3.5	200
260.376	3.5	250
260.400	4.0	130
260.405	4.3	210
260.450	4.5	130
260.475	4.5	200
260.501	4.0 x 4.5	250
260.502	5.0	250

→ to be used with  
3.5mm Safety Screws  
& Safety Plates

→ to be used with  
5.0mm Safety Screws  
& Safety Plates



**Threaded Drill Sleeve for  
3.5mm Locking Cortex Screws**  
Code No.: SF-501.001



**Threaded Drill Sleeve for  
5.0mm Locking Cortex Screws**  
Code No.: SF-501.005





Proximal Hole Lateral to Medial for 6mm Locking Bolt



2 Distal Holes Lateral to Medial for 4.5mm Locking Bolts

### XL UNIVERSAL FEMORAL NAILS - CANNULATED STAINLESS STEEL / TITANIUM

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
32	XLF09-32U	XLF10-32U	XLF11-32U	XLF12-32U	XLF13-32U	XLF14-32U
33	XLF09-33U	XLF10-33U	XLF11-33U	XLF12-33U	XLF13-33U	XLF14-33U
34	XLF09-34U	XLF10-34U	XLF11-34U	XLF12-34U	XLF13-34U	XLF14-34U
35	XLF09-35U	XLF10-35U	XLF11-35U	XLF12-35U	XLF13-35U	XLF14-35U
36	XLF09-36U	XLF10-36U	XLF11-36U	XLF12-36U	XLF13-36U	XLF14-36U
37	XLF09-37U	XLF10-37U	XLF11-37U	XLF12-37U	XLF13-37U	XLF14-37U
38	XLF09-38U	XLF10-38U	XLF11-38U	XLF12-38U	XLF13-38U	XLF14-38U
39	XLF09-39U	XLF10-39U	XLF11-39U	XLF12-39U	XLF13-39U	XLF14-39U
40	XLF09-40U	XLF10-40U	XLF11-40U	XLF12-40U	XLF13-40U	XLF14-40U
41	XLF09-41U	XLF10-41U	XLF11-41U	XLF12-41U	XLF13-41U	XLF14-41U
42	XLF09-42U	XLF10-42U	XLF11-42U	XLF12-42U	XLF13-42U	XLF14-42U
43	XLF09-43U	XLF10-43U	XLF11-43U	XLF12-43U	XLF13-43U	XLF14-43U
44	XLF09-44U	XLF10-44U	XLF11-44U	XLF12-44U	XLF13-44U	XLF14-44U
45	XLF09-45U	XLF10-45U	XLF11-45U	XLF12-45U	XLF13-45U	XLF14-45U
46	XLF09-46U	XLF10-46U	XLF11-46U	XLF12-46U	XLF13-46U	XLF14-46U

NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XLF09-32U).

### XL Universal Unreamed Femoral Nail STAINLESS STEEL

Length in cm.	Diameter	
	9 mm	10 mm
26	XLUFN09-26U	XLUFN10-26U
27	XLUFN09-27U	XLUFN10-27U
28	XLUFN09-28U	XLUFN10-28U
29	XLUFN09-29U	XLUFN10-29U
30	XLUFN09-30U	XLUFN10-30U
31	XLUFN09-31U	XLUFN10-31U
32	XLUFN09-32U	XLUFN10-32U
33	XLUFN09-33U	XLUFN10-33U
34	XLUFN09-34U	XLUFN10-34U
35	XLUFN09-35U	XLUFN10-35U
36	XLUFN09-36U	XLUFN10-36U
37	XLUFN09-37U	XLUFN10-37U
38	XLUFN09-38U	XLUFN10-38U
39	XLUFN09-39U	XLUFN10-39U
40	XLUFN09-40U	XLUFN10-40U
41	XLUFN09-41U	XLUFN10-41U
42	XLUFN09-42U	XLUFN10-42U
43	XLUFN09-43U	XLUFN10-43U
44	XLUFN09-44U	XLUFN10-44U

### XL Universal Unreamed Femoral Nail TITANIUM

Length in cm.	Diameter	
	9 mm	10 mm
26	Ti-XLUFN09-26U	Ti-XLUFN10-26U
27	Ti-XLUFN09-27U	Ti-XLUFN10-27U
28	Ti-XLUFN09-28U	Ti-XLUFN10-28U
29	Ti-XLUFN09-29U	Ti-XLUFN10-29U
30	Ti-XLUFN09-30U	Ti-XLUFN10-30U
31	Ti-XLUFN09-31U	Ti-XLUFN10-31U
32	Ti-XLUFN09-32U	Ti-XLUFN10-32U
33	Ti-XLUFN09-33U	Ti-XLUFN10-33U
34	Ti-XLUFN09-34U	Ti-XLUFN10-34U
35	Ti-XLUFN09-35U	Ti-XLUFN10-35U
36	Ti-XLUFN09-36U	Ti-XLUFN10-36U
37	Ti-XLUFN09-37U	Ti-XLUFN10-37U
38	Ti-XLUFN09-38U	Ti-XLUFN10-38U
39	Ti-XLUFN09-39U	Ti-XLUFN10-39U
40	Ti-XLUFN09-40U	Ti-XLUFN10-40U
41	Ti-XLUFN09-41U	Ti-XLUFN10-41U
42	Ti-XLUFN09-42U	Ti-XLUFN10-42U
43	Ti-XLUFN09-43U	Ti-XLUFN10-43U
44	Ti-XLUFN09-44U	Ti-XLUFN10-44U

**XL MULTI-FIX FEMORAL NAILS - CANNULATED, WITH MULTIPLE LOCKING OPTIONS  
STAINLESS STEEL / TITANIUM**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
32	XPF09-32	XPF10-32	XPF11-32	XPF12-32	XPF13-32	XPF14-32
33	XPF09-33	XPF10-33	XPF11-33	XPF12-33	XPF13-33	XPF14-33
34	XPF09-34	XPF10-34	XPF11-34	XPF12-34	XPF13-34	XPF14-34
35	XPF09-35	XPF10-35	XPF11-35	XPF12-35	XPF13-35	XPF14-35
36	XPF09-36	XPF10-36	XPF11-36	XPF12-36	XPF13-36	XPF14-36
37	XPF09-37	XPF10-37	XPF11-37	XPF12-37	XPF13-37	XPF14-37
38	XPF09-38	XPF10-38	XPF11-38	XPF12-38	XPF13-38	XPF14-38
39	XPF09-39	XPF10-39	XPF11-39	XPF12-39	XPF13-39	XPF14-39
40	XPF09-40	XPF10-40	XPF11-40	XPF12-40	XPF13-40	XPF14-40
41	XPF09-41	XPF10-41	XPF11-41	XPF12-41	XPF13-41	XPF14-41
42	XPF09-42	XPF10-42	XPF11-42	XPF12-42	XPF13-42	XPF14-42
43	XPF09-43	XPF10-43	XPF11-43	XPF12-43	XPF13-43	XPF14-43
44	XPF09-44	XPF10-44	XPF11-44	XPF12-44	XPF13-44	XPF14-44
45	XPF09-45	XPF10-45	XPF11-45	XPF12-45	XPF13-45	XPF14-45
46	XPF09-46	XPF10-46	XPF11-46	XPF12-46	XPF13-46	XPF14-46

NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XPF09-32).

Proximal Hole Lateral to Medial for 6mm Locking Bolt

Proximal Dynamic Hole Lateral to Medial for 4.5mm Locking Bolt

Proximal Hole Lateral to Medial for 4.5mm Locking Bolt

**XL MULTI-FIX FEMORAL NAILS - UNREAMED, WITH MULTIPLE LOCKING OPTIONS  
STAINLESS STEEL TITANIUM**

Length in cm.	Diameter	
	9 mm	10 mm
26	XPUFNO9-26U	XPUFN10-26U
27	XPUFNO9-27U	XPUFN10-27U
28	XPUFNO9-28U	XPUFN10-28U
29	XPUFNO9-29U	XPUFN10-29U
30	XPUFNO9-30U	XPUFN10-30U
31	XPUFNO9-31U	XPUFN10-31U
32	XPUFNO9-32U	XPUFN10-32U
33	XPUFNO9-33U	XPUFN10-33U
34	XPUFNO9-34U	XPUFN10-34U
35	XPUFNO9-35U	XPUFN10-35U
36	XPUFNO9-36U	XPUFN10-36U
37	XPUFNO9-37U	XPUFN10-37U
38	XPUFNO9-38U	XPUFN10-38U
39	XPUFNO9-39U	XPUFN10-39U
40	XPUFNO9-40U	XPUFN10-40U
41	XPUFNO9-41U	XPUFN10-41U
42	XPUFNO9-42U	XPUFN10-42U
43	XPUFNO9-43U	XPUFN10-43U
44	XPUFNO9-44U	XPUFN10-44U

Length in cm.	Diameter	
	9 mm	10 mm
26	Ti-XPUFNO9-26U	Ti-XPUFN10-26U
27	Ti-XPUFNO9-27U	Ti-XPUFN10-27U
28	Ti-XPUFNO9-28U	Ti-XPUFN10-28U
29	Ti-XPUFNO9-29U	Ti-XPUFN10-29U
30	Ti-XPUFNO9-30U	Ti-XPUFN10-30U
31	Ti-XPUFNO9-31U	Ti-XPUFN10-31U
32	Ti-XPUFNO9-32U	Ti-XPUFN10-32U
33	Ti-XPUFNO9-33U	Ti-XPUFN10-33U
34	Ti-XPUFNO9-34U	Ti-XPUFN10-34U
35	Ti-XPUFNO9-35U	Ti-XPUFN10-35U
36	Ti-XPUFNO9-36U	Ti-XPUFN10-36U
37	Ti-XPUFNO9-37U	Ti-XPUFN10-37U
38	Ti-XPUFNO9-38U	Ti-XPUFN10-38U
39	Ti-XPUFNO9-39U	Ti-XPUFN10-39U
40	Ti-XPUFNO9-40U	Ti-XPUFN10-40U
41	Ti-XPUFNO9-41U	Ti-XPUFN10-41U
42	Ti-XPUFNO9-42U	Ti-XPUFN10-42U
43	Ti-XPUFNO9-43U	Ti-XPUFN10-43U
44	Ti-XPUFNO9-44U	Ti-XPUFN10-44U

2 Distal Holes Lateral to Medial for 4.5mm Locking Bolts

1 Distal Hole Anterior to Posterior for 4.5mm Locking Bolt





1 Dynamic Hole & 1 Round Hole Lateral to Medial for 4.5mm Locking Bolts

2 Distal Holes Lateral to Medial for 4.5mm Locking Bolts



**XL Tibial Nails, Cannulated (Dynamic Hole)  
STAINLESS STEEL / TITANIUM**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
26	XLT09-26D	XLT10-26D	XLT11-26D	XLT12-26D	XLT13-26D	XLT14-26D
27	XLT09-27D	XLT10-27D	XLT11-27D	XLT12-27D	XLT13-27D	XLT14-27D
28	XLT09-28D	XLT10-28D	XLT11-28D	XLT12-28D	XLT13-28D	XLT14-28D
29	XLT09-29D	XLT10-29D	XLT11-29D	XLT12-29D	XLT13-29D	XLT14-29D
30	XLT09-30D	XLT10-30D	XLT11-30D	XLT12-30D	XLT13-30D	XLT14-30D
31	XLT09-31D	XLT10-31D	XLT11-31D	XLT12-31D	XLT13-31D	XLT14-31D
32	XLT09-32D	XLT10-32D	XLT11-32D	XLT12-32D	XLT13-32D	XLT14-32D
33	XLT09-33D	XLT10-33D	XLT11-33D	XLT12-33D	XLT13-33D	XLT14-33D
34	XLT09-34D	XLT10-34D	XLT11-34D	XLT12-34D	XLT13-34D	XLT14-34D
35	XLT09-35D	XLT10-35D	XLT11-35D	XLT12-35D	XLT13-35D	XLT14-35D
36	XLT09-36D	XLT10-36D	XLT11-36D	XLT12-36D	XLT13-36D	XLT14-36D
37	XLT09-37D	XLT10-37D	XLT11-37D	XLT12-37D	XLT13-37D	XLT14-37D
38	XLT09-38D	XLT10-38D	XLT11-38D	XLT12-38D	XLT13-38D	XLT14-38D
39	XLT09-39D	XLT10-39D	XLT11-39D	XLT12-39D	XLT13-39D	XLT14-39D
40	XLT09-40D	XLT10-40D	XLT11-40D	XLT12-40D	XLT13-40D	XLT14-40D
41	XLT09-41D	XLT10-41D	XLT11-41D	XLT12-41D	XLT13-41D	XLT14-41D
42	XLT09-42D	XLT10-42D	XLT11-42D	XLT12-42D	XLT13-42D	XLT14-42D
43	XLT09-43D	XLT10-43D	XLT11-43D	XLT12-43D	XLT13-43D	XLT14-43D
44	XLT09-44D	XLT10-44D	XLT11-44D	XLT12-44D	XLT13-44D	XLT14-44D

NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XLT09-26D).

1 Round Hole & 1 Dynamic Hole Lateral to Medial for 4.5mm Locking Bolts

1 Distal Hole Lateral to Medial for 4.5mm Locking Bolt



**XL LOWER END TIBIAL NAIL - CANNULATED, DYNAMIC HOLE  
STAINLESS STEEL / TITANIUM**

1 Distal Hole Anterior to Posterior for 4.5mm Locking Bolt

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
26	XL-LT09-26D	XL-LT10-26D	XL-LT11-26D	XL-LT12-26D	XL-LT13-26D	XL-LT14-26D
27	XL-LT09-27D	XL-LT10-27D	XL-LT11-27D	XL-LT12-27D	XL-LT13-27D	XL-LT14-27D
28	XL-LT09-28D	XL-LT10-28D	XL-LT11-28D	XL-LT12-28D	XL-LT13-28D	XL-LT14-28D
29	XL-LT09-29D	XL-LT10-29D	XL-LT11-29D	XL-LT12-29D	XL-LT13-29D	XL-LT14-29D
30	XL-LT09-30D	XL-LT10-30D	XL-LT11-30D	XL-LT12-30D	XL-LT13-30D	XL-LT14-30D
31	XL-LT09-31D	XL-LT10-31D	XL-LT11-31D	XL-LT12-31D	XL-LT13-31D	XL-LT14-31D
32	XL-LT09-32D	XL-LT10-32D	XL-LT11-32D	XL-LT12-32D	XL-LT13-32D	XL-LT14-32D
33	XL-LT09-33D	XL-LT10-33D	XL-LT11-33D	XL-LT12-33D	XL-LT13-33D	XL-LT14-33D
34	XL-LT09-34D	XL-LT10-34D	XL-LT11-34D	XL-LT12-34D	XL-LT13-34D	XL-LT14-34D
35	XL-LT09-35D	XL-LT10-35D	XL-LT11-35D	XL-LT12-35D	XL-LT13-35D	XL-LT14-35D
36	XL-LT09-36D	XL-LT10-36D	XL-LT11-36D	XL-LT12-36D	XL-LT13-36D	XL-LT14-36D
37	XL-LT09-37D	XL-LT10-37D	XL-LT11-37D	XL-LT12-37D	XL-LT13-37D	XL-LT14-37D
38	XL-LT09-38D	XL-LT10-38D	XL-LT11-38D	XL-LT12-38D	XL-LT13-38D	XL-LT14-38D
39	XL-LT09-39D	XL-LT10-39D	XL-LT11-39D	XL-LT12-39D	XL-LT13-39D	XL-LT14-39D
40	XL-LT09-40D	XL-LT10-40D	XL-LT11-40D	XL-LT12-40D	XL-LT13-40D	XL-LT14-40D
41	XL-LT09-41D	XL-LT10-41D	XL-LT11-41D	XL-LT12-41D	XL-LT13-41D	XL-LT14-41D
42	XL-LT09-42D	XL-LT10-42D	XL-LT11-42D	XL-LT12-42D	XL-LT13-42D	XL-LT14-42D
43	XL-LT09-43D	XL-LT10-43D	XL-LT11-43D	XL-LT12-43D	XL-LT13-43D	XL-LT14-43D
44	XL-LT09-44D	XL-LT10-44D	XL-LT11-44D	XL-LT12-44D	XL-LT13-44D	XL-LT14-44D

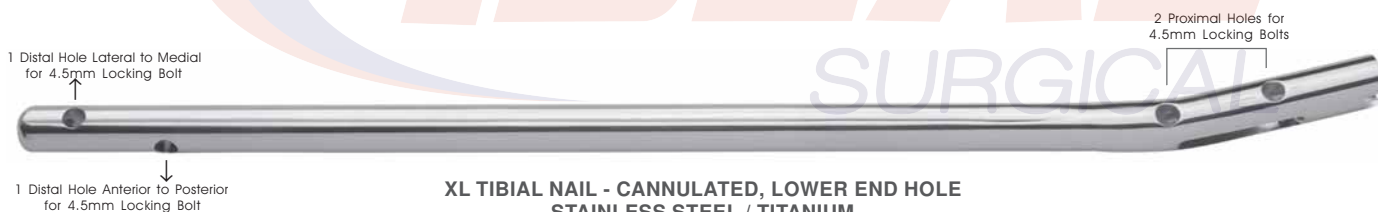
NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XL-LT09-26D).



**XL Tibial Nails - Cannulated (Standard Holes)  
STAINLESS STEEL / TITANIUM**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
26	XLT09-26	XLT10-26	XLT11-26	XLT12-26	XLT13-26	XLT14-26
27	XLT09-27	XLT10-27	XLT11-27	XLT12-27	XLT13-27	XLT14-27
28	XLT09-28	XLT10-28	XLT11-28	XLT12-28	XLT13-28	XLT14-28
29	XLT09-29	XLT10-29	XLT11-29	XLT12-29	XLT13-29	XLT14-29
30	XLT09-30	XLT10-30	XLT11-30	XLT12-30	XLT13-30	XLT14-30
31	XLT09-31	XLT10-31	XLT11-31	XLT12-31	XLT13-31	XLT14-31
32	XLT09-32	XLT10-32	XLT11-32	XLT12-32	XLT13-32	XLT14-32
33	XLT09-33	XLT10-33	XLT11-33	XLT12-33	XLT13-33	XLT14-33
34	XLT09-34	XLT10-34	XLT11-34	XLT12-34	XLT13-34	XLT14-34
35	XLT09-35	XLT10-35	XLT11-35	XLT12-35	XLT13-35	XLT14-35
36	XLT09-36	XLT10-36	XLT11-36	XLT12-36	XLT13-36	XLT14-36
37	XLT09-37	XLT10-37	XLT11-37	XLT12-37	XLT13-37	XLT14-37
38	XLT09-38	XLT10-38	XLT11-38	XLT12-38	XLT13-38	XLT14-38
39	XLT09-39	XLT10-39	XLT11-39	XLT12-39	XLT13-39	XLT14-39
40	XLT09-40	XLT10-40	XLT11-40	XLT12-40	XLT13-40	XLT14-40
41	XLT09-41	XLT10-41	XLT11-41	XLT12-41	XLT13-41	XLT14-41
42	XLT09-42	XLT10-42	XLT11-42	XLT12-42	XLT13-42	XLT14-42
43	XLT09-43	XLT10-43	XLT11-43	XLT12-43	XLT13-43	XLT14-43
44	XLT09-44	XLT10-44	XLT11-44	XLT12-44	XLT13-44	XLT14-44

NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XLT09-26).



**XL TIBIAL NAIL - CANNULATED, LOWER END HOLE  
STAINLESS STEEL / TITANIUM**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
26	XL-LT09-26	XL-LT10-26	XL-LT11-26	XL-LT12-26	XL-LT13-26	XL-LT14-26
27	XL-LT09-27	XL-LT10-27	XL-LT11-27	XL-LT12-27	XL-LT13-27	XL-LT14-27
28	XL-LT09-28	XL-LT10-28	XL-LT11-28	XL-LT12-28	XL-LT13-28	XL-LT14-28
29	XL-LT09-29	XL-LT10-29	XL-LT11-29	XL-LT12-29	XL-LT13-29	XL-LT14-29
30	XL-LT09-30	XL-LT10-30	XL-LT11-30	XL-LT12-30	XL-LT13-30	XL-LT14-30
31	XL-LT09-31	XL-LT10-31	XL-LT11-31	XL-LT12-31	XL-LT13-31	XL-LT14-31
32	XL-LT09-32	XL-LT10-32	XL-LT11-32	XL-LT12-32	XL-LT13-32	XL-LT14-32
33	XL-LT09-33	XL-LT10-33	XL-LT11-33	XL-LT12-33	XL-LT13-33	XL-LT14-33
34	XL-LT09-34	XL-LT10-34	XL-LT11-34	XL-LT12-34	XL-LT13-34	XL-LT14-34
35	XL-LT09-35	XL-LT10-35	XL-LT11-35	XL-LT12-35	XL-LT13-35	XL-LT14-35
36	XL-LT09-36	XL-LT10-36	XL-LT11-36	XL-LT12-36	XL-LT13-36	XL-LT14-36
37	XL-LT09-37	XL-LT10-37	XL-LT11-37	XL-LT12-37	XL-LT13-37	XL-LT14-37
38	XL-LT09-38	XL-LT10-38	XL-LT11-38	XL-LT12-38	XL-LT13-38	XL-LT14-38
39	XL-LT09-39	XL-LT10-39	XL-LT11-39	XL-LT12-39	XL-LT13-39	XL-LT14-39
40	XL-LT09-40	XL-LT10-40	XL-LT11-40	XL-LT12-40	XL-LT13-40	XL-LT14-40
41	XL-LT09-41	XL-LT10-41	XL-LT11-41	XL-LT12-41	XL-LT13-41	XL-LT14-41
42	XL-LT09-42	XL-LT10-42	XL-LT11-42	XL-LT12-42	XL-LT13-42	XL-LT14-42
43	XL-LT09-43	XL-LT10-43	XL-LT11-43	XL-LT12-43	XL-LT13-43	XL-LT14-43
44	XL-LT09-44	XL-LT10-44	XL-LT11-44	XL-LT12-44	XL-LT13-44	XL-LT14-44

NOTE : Above codes are for S.S. Nails. Prefix 'Ti' to codes for Titanium Nails (Example: Ti-XL-LT09-26).



1 Round Hole & 1 Dynamic Hole  
Lateral to Medial for 4.5mm Locking Bolts

Distal Holes Lateral to Medial  
for 4.5mm Locking Bolt



**XL UNREAMED TIBIAL NAIL, DYNAMIC HOLE (XL-UTN)  
STAINLESS STEEL / TITANIUM**

Length in cm.	STAINLESS STEEL		TITANIUM	
	8 mm	9 mm	8 mm	9 mm
26	XLUTN08-26D	XLUTN09-26D	Ti-XLUTN08-26D	Ti-XLUTN09-26D
27	XLUTN08-27D	XLUTN09-27D	Ti-XLUTN08-27D	Ti-XLUTN09-27D
28	XLUTN08-28D	XLUTN09-28D	Ti-XLUTN08-28D	Ti-XLUTN09-28D
29	XLUTN08-29D	XLUTN09-29D	Ti-XLUTN08-29D	Ti-XLUTN09-29D
30	XLUTN08-30D	XLUTN09-30D	Ti-XLUTN08-30D	Ti-XLUTN09-30D
31	XLUTN08-31D	XLUTN09-31D	Ti-XLUTN08-31D	Ti-XLUTN09-31D
32	XLUTN08-32D	XLUTN09-32D	Ti-XLUTN08-32D	Ti-XLUTN09-32D
33	XLUTN08-33D	XLUTN09-33D	Ti-XLUTN08-33D	Ti-XLUTN09-33D
34	XLUTN08-34D	XLUTN09-34D	Ti-XLUTN08-34D	Ti-XLUTN09-34D
35	XLUTN08-35D	XLUTN09-35D	Ti-XLUTN08-35D	Ti-XLUTN09-35D
36	XLUTN08-36D	XLUTN09-36D	Ti-XLUTN08-36D	Ti-XLUTN09-36D
37	XLUTN08-37D	XLUTN09-37D	Ti-XLUTN08-37D	Ti-XLUTN09-37D
38	XLUTN08-38D	XLUTN09-38D	Ti-XLUTN08-38D	Ti-XLUTN09-38D
39	XLUTN08-39D	XLUTN09-39D	Ti-XLUTN08-39D	Ti-XLUTN09-39D
40	XLUTN08-40D	XLUTN09-40D	Ti-XLUTN08-40D	Ti-XLUTN09-40D
41	XLUTN08-41D	XLUTN09-41D	Ti-XLUTN08-41D	Ti-XLUTN09-41D
42	XLUTN08-42D	XLUTN09-42D	Ti-XLUTN08-42D	Ti-XLUTN09-42D
43	XLUTN08-43D	XLUTN09-43D	Ti-XLUTN08-43D	Ti-XLUTN09-43D
44	XLUTN08-44D	XLUTN09-4 4D	Ti-XLUTN08-44D	Ti-XLUTN09-44D

1 Round Hole & 1 Dynamic Hole  
Lateral to Medial for 4.5mm Locking Bolts

Distal Holes Lateral to Medial  
for 4.5mm Locking Bolt



**XL UNREAMED TIBIAL NAIL, DYNAMIC HOLE, LOWER END (XL-UTN-LE)  
STAINLESS STEEL / TITANIUM**

1 Distal Hole Anterior to Posterior  
for 4.5mm Locking Bolt

Length in cm.	STAINLESS STEEL		TITANIUM	
	8 mm	9 mm	8 mm	9 mm
26	XLUTL08-26D	XLUTL09-26D	Ti-XLUTL08-26D	Ti-XLUTL09-26D
27	XLUTL08-27D	XLUTL09-27D	Ti-XLUTL08-27D	Ti-XLUTL09-27D
28	XLUTL08-28D	XLUTL09-28D	Ti-XLUTL08-28D	Ti-XLUTL09-28D
29	XLUTL08-29D	XLUTL09-29D	Ti-XLUTL08-29D	Ti-XLUTL09-29D
30	XLUTL08-30D	XLUTL09-30D	Ti-XLUTL08-30D	Ti-XLUTL09-30D
31	XLUTL08-31D	XLUTL09-31D	Ti-XLUTL08-31D	Ti-XLUTL09-31D
32	XLUTL08-32D	XLUTL09-32D	Ti-XLUTL08-32D	Ti-XLUTL09-32D
33	XLUTL08-33D	XLUTL09-33D	Ti-XLUTL08-33D	Ti-XLUTL09-33D
34	XLUTL08-34D	XLUTL09-34D	Ti-XLUTL08-34D	Ti-XLUTL09-34D
35	XLUTL08-35D	XLUTL09-35D	Ti-XLUTL08-35D	Ti-XLUTL09-35D
36	XLUTL08-36D	XLUTL09-36D	Ti-XLUTL08-36D	Ti-XLUTL09-36D
37	XLUTL08-37D	XLUTL09-37D	Ti-XLUTL08-37D	Ti-XLUTL09-37D
38	XLUTL08-38D	XLUTL09-38D	Ti-XLUTL08-38D	Ti-XLUTL09-38D
39	XLUTL08-39D	XLUTL09-39D	Ti-XLUTL08-39D	Ti-XLUTL09-39D
40	XLUTL08-40D	XLUTL09-40D	Ti-XLUTL08-40D	Ti-XLUTL09-40D
41	XLUTL08-41D	XLUTL09-41D	Ti-XLUTL08-41D	Ti-XLUTL09-41D
42	XLUTL08-42D	XLUTL09-42D	Ti-XLUTL08-42D	Ti-XLUTL09-42D
43	XLUTL08-43D	XLUTL09-43D	Ti-XLUTL08-43D	Ti-XLUTL09-43D
44	XLUTL08-44D	XLUTL09-4 4D	Ti-XLUTL08-44D	Ti-XLUTL09-44D



**XL UNREAMED TIBIAL NAIL, STANDARD HOLES (XL-UTN)  
STAINLESS STEEL / TITANIUM**

Length in cm.	STAINLESS STEEL		TITANIUM	
	8 mm	9 mm	8 mm	9 mm
26	XLUTN08-26	XLUTN09-26	Ti-XLUTN08-26	Ti-XLUTN09-26
27	XLUTN08-27	XLUTN09-27	Ti-XLUTN08-27	Ti-XLUTN09-27
28	XLUTN08-28	XLUTN09-28	Ti-XLUTN08-28	Ti-XLUTN09-28
29	XLUTN08-29	XLUTN09-29	Ti-XLUTN08-29	Ti-XLUTN09-29
30	XLUTN08-30	XLUTN09-30	Ti-XLUTN08-30	Ti-XLUTN09-30
31	XLUTN08-31	XLUTN09-31	Ti-XLUTN08-31	Ti-XLUTN09-31
32	XLUTN08-32	XLUTN09-32	Ti-XLUTN08-32	Ti-XLUTN09-32
33	XLUTN08-33	XLUTN09-33	Ti-XLUTN08-33	Ti-XLUTN09-33
34	XLUTN08-34	XLUTN09-34	Ti-XLUTN08-34	Ti-XLUTN09-34
35	XLUTN08-35	XLUTN09-35	Ti-XLUTN08-35	Ti-XLUTN09-35
36	XLUTN08-36	XLUTN09-36	Ti-XLUTN08-36	Ti-XLUTN09-36
37	XLUTN08-37	XLUTN09-37	Ti-XLUTN08-37	Ti-XLUTN09-37
38	XLUTN08-38	XLUTN09-38	Ti-XLUTN08-38	Ti-XLUTN09-38
39	XLUTN08-39	XLUTN09-39	Ti-XLUTN08-39	Ti-XLUTN09-39
40	XLUTN08-40	XLUTN09-40	Ti-XLUTN08-40	Ti-XLUTN09-40
41	XLUTN08-41	XLUTN09-41	Ti-XLUTN08-41	Ti-XLUTN09-41
42	XLUTN08-42	XLUTN09-42	Ti-XLUTN08-42	Ti-XLUTN09-42
43	XLUTN08-43	XLUTN09-43	Ti-XLUTN08-43	Ti-XLUTN09-43
44	XLUTN08-44	XLUTN09-4 4	Ti-XLUTN08-44	Ti-XLUTN09-44

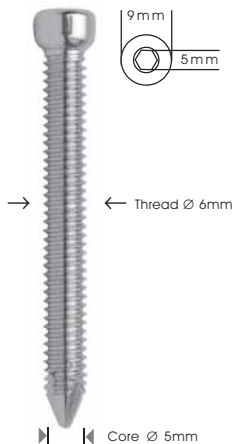


**XL UNREAMED TIBIAL NAIL, STANDARD HOLES, LOWER END (XL-UTN-LE)  
STAINLESS STEEL / TITANIUM**

Length in cm.	STAINLESS STEEL		TITANIUM	
	8 mm	9 mm	8 mm	9 mm
26	XLUTL08-26	XLUTL09-26	Ti-XLUTL08-26	Ti-XLUTL09-26
27	XLUTL08-27	XLUTL09-27	Ti-XLUTL08-27	Ti-XLUTL09-27
28	XLUTL08-28	XLUTL09-28	Ti-XLUTL08-28	Ti-XLUTL09-28
29	XLUTL08-29	XLUTL09-29	Ti-XLUTL08-29	Ti-XLUTL09-29
30	XLUTL08-30	XLUTL09-30	Ti-XLUTL08-30	Ti-XLUTL09-30
31	XLUTL08-31	XLUTL09-31	Ti-XLUTL08-31	Ti-XLUTL09-31
32	XLUTL08-32	XLUTL09-32	Ti-XLUTL08-32	Ti-XLUTL09-32
33	XLUTL08-33	XLUTL09-33	Ti-XLUTL08-33	Ti-XLUTL09-33
34	XLUTL08-34	XLUTL09-34	Ti-XLUTL08-34	Ti-XLUTL09-34
35	XLUTL08-35	XLUTL09-35	Ti-XLUTL08-35	Ti-XLUTL09-35
36	XLUTL08-36	XLUTL09-36	Ti-XLUTL08-36	Ti-XLUTL09-36
37	XLUTL08-37	XLUTL09-37	Ti-XLUTL08-37	Ti-XLUTL09-37
38	XLUTL08-38	XLUTL09-38	Ti-XLUTL08-38	Ti-XLUTL09-38
39	XLUTL08-39	XLUTL09-39	Ti-XLUTL08-39	Ti-XLUTL09-39
40	XLUTL08-40	XLUTL09-40	Ti-XLUTL08-40	Ti-XLUTL09-40
41	XLUTL08-41	XLUTL09-41	Ti-XLUTL08-41	Ti-XLUTL09-41
42	XLUTL08-42	XLUTL09-42	Ti-XLUTL08-42	Ti-XLUTL09-42
43	XLUTL08-43	XLUTL09-43	Ti-XLUTL08-43	Ti-XLUTL09-43
44	XLUTL08-44	XLUTL09-44	Ti-XLUTL08-44	Ti-XLUTL09-44



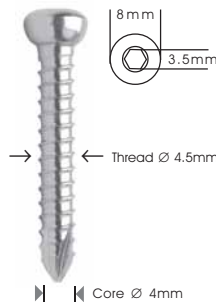
### LOCKING BOLTS, DIA 6MM (SELF TAPPING)



Length in mm.	Codes	
	Stainless Steel	Titanium
50	050-50	Ti-050-50
55	050-55	Ti-050-55
60	050-60	Ti-050-60
65	050-65	Ti-050-65
70	050-70	Ti-050-70
75	050-75	Ti-050-75
80	050-80	Ti-050-80
85	050-85	Ti-050-85
90	050-90	Ti-050-90
95	050-95	Ti-050-95
100	050-100	Ti-050-100
105	050-105	Ti-050-105
110	050-110	Ti-050-110
115	050-115	Ti-050-115
120	050-120	Ti-050-120

Drill Bit : 5mm

### LOCKING BOLTS, DIA 4.5MM (SELF TAPPING)



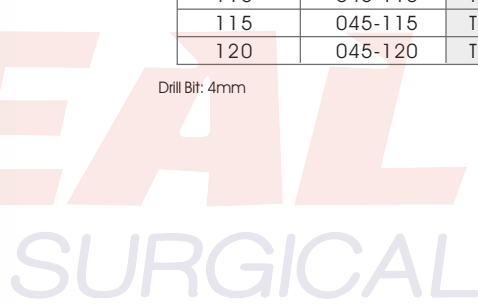
Length in mm.	Codes	
	Stainless Steel	Titanium
24	045-24	Ti-045-24
26	045-26	Ti-045-26
28	045-28	Ti-045-28
30	045-30	Ti-045-30
32	045-32	Ti-045-32
34	045-34	Ti-045-34
36	045-36	Ti-045-36
38	045-38	Ti-045-38
40	045-40	Ti-045-40
42	045-42	Ti-045-42
44	045-44	Ti-045-44
46	045-46	Ti-045-46
48	045-48	Ti-045-48
50	045-50	Ti-045-50
55	045-55	Ti-045-55
60	045-60	Ti-045-60
65	045-65	Ti-045-65
70	045-70	Ti-045-70
75	045-75	Ti-045-75
80	045-80	Ti-045-80
85	045-85	Ti-045-85
90	045-90	Ti-045-90
95	045-95	Ti-045-95
100	045-100	Ti-045-100
105	045-105	Ti-045-105
110	045-110	Ti-045-110
115	045-115	Ti-045-115
120	045-120	Ti-045-120

Drill Bit: 4mm

### END CAP FOR XL NAILS



Nails	Stainless Steel	Titanium
XL Tibial	XLT-045-SS	XLT-045-Ti
XL Femoral	XLF-046-SS	XLF-046-Ti



### XL TIBIAL ILN IMPLANTS SET, S.S. Code No.: AS097

Set Consisting of: Units

- XL Tibial Nails**
- 9mm Dia**  
1 each, Length 28, 30, 32, 34, 36cm ..... 5
- 10mm Dia**  
1 each, Length 28, 30, 32, 34, 36, 38cm ..... 6
- 11mm Dia**  
1 each, Length 28, 30, 32, 34, 36, 38cm ..... 6
- 12mm Dia**  
1 each, Length 28, 30, 32, 34, 36, 38cm ..... 6
- Locking Bolt 4.5mm Dia**  
4 each, Length 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 55, 60, 65, 70cm .... 102

### XL FEMORAL NAILS IMPLANT SET, S.S. Code No.: AS095

Set Consisting of: Units

- XL femoral Nails**
- 9mm Dia**  
1 each, Length 32, 34, 36, 38, 40, 42, 44cm ..... 7
- 10mm Dia**  
1 each, Length 32, 34, 36, 38, 40, 42, 44cm ..... 7
- 11mm Dia**  
1 each, Length 34, 36, 38, 40, 42, 44cm ..... 6
- 12mm Dia**  
1 each, Length 34, 36, 38, 40, 42, 44cm ..... 6
- 13mm Dia**  
1 each, Length 34, 36, 38, 40, 42, 44cm ..... 6
- Locking Bolt 4.5mm Dia**  
4 each, Length 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 55, 60cm ..... 64  
2 each, Length 65, 70cm ..... 4
- Locking Bolt 6.0mm Dia**  
2 each, Length 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100cm ..... 22

□ INSTRUMENT SET FOR XL TIBIAL & XL UNIVERSAL FEMORAL NAILS, S.S.

**INSTRUMENT SET FOR XL TIBIAL & XL UNIVERSAL FEMORAL NAILS, S.S.**  
**Code No.: AS071**

	<i>Set Consisting of:</i>	<i>Units</i>
507.01	Diamond Pointed Bone Awl for Femur . . . . .	1
507.02	Tissue Protector . . . . .	1
507.04	Medullary Tube . . . . .	1
507.05	Reaming Rod 3.0mm Dia . . . . .	1
507.08	Guide Rod 3.0mm Dia . . . . .	1
507.103	Guide Rod / Reaming Rod Introducer . . . . .	1
208.15	Diamond Pointed Bone Awl for Tibia . . . . .	1
507.038	Flexible reaming Shaft with fixed reamer dia 8.0mm . 1	
507.03	Flexible Reamer Shaft only (For Reamer Head upto 13mm.) . . . . .	2
507.23	Flexible Reamer Shaft only (For Reamer Head from 13.5mm to 15mm.) . . . . .	1
510.9 to	Reamer Heads (Medullary), 9, 9.5, 10, 10.5, 11, 11.5,	
510.13	12, 12.5, 13mm, Set of 9 pieces . . . . .	1
510.135 to	Reamer Heads (Medullary), 13.5, 14, 14.5, 15mm,	
510.15	Set of 4 pieces . . . . .	1
507.16	Depth Gauge . . . . .	1
208.10	Large Hexagonal Screws Driver . . . . .	1
208.16	Screw Driver for 6mm Locking Bolt . . . . .	1
507.115	Reduction Device . . . . .	1
507.104	Proximal Jig for XL Tibial Nails . . . . .	1
507.105	Proximal Jig for XL Femoral Nails . . . . .	1
507.106	Hex Cap ( for Tibia & Femur Proximal Jig Assembly) 1	
507.30	Proximal Jig Assembly Connecting Part (for both XL Tibial & XL Femoral) . . . . .	1
507.109	Nail Holding Bolt for XL Tibia . . . . .	2
507.108	Nail Holding Bolt for XL Femur . . . . .	2
507.24	Universal Socket Wrench . . . . .	1
507.28	Hammering Device (to be used with XL Tibial & XL Femur Proximal Jig Assembl) . . . . .	1
507.84	Extractor - Impactor . . . . .	1
507.66	Femoral Drill Sleeve 5.0mm(ID), 9mm(OD) . . . . .	1
507.64	Tibial Drill Sleeve 3.5mm(ID), 8mm(OD) . . . . .	1
507.111	Tibial Protection Sleeve . . . . .	1
507.112	Femoral Protection Sleeve . . . . .	1
507.113	Trocar . . . . .	1
261.650	Drill Bit- SS - Plain Shank, Dia.:5.0mm, L250mm . . . . .	2
261.637	Drill Bit- SS . . . . .	2
507.116	Tomy Bar . . . . .	2
507.110	Spanner SS, 10mm . . . . .	1
901.005	S.S. Container . . . . .	1



**OPTIONAL INSTRUMENTS (To be Ordered Separately)**

507.14	Freehand Aiming Device for Distal Locking . . . . .	
507.100	Distal Jig for XL Tibial Nails . . . . .	1
507.101	Distal Jig for XL Femur Nails . . . . .	1
507.129	Base Plate (for both XL Tibial & XL Femoral) . . . . .	1
507.102	Sliding Sleeves ( for XL Tibia & XL Femur Proximal Jig Assembly) . . . . .	2

**AS071DJ INSTRUMENT SET FOR XL TIBIAL & XL UNIVERSAL FEMORAL NAILS WITH DISTAL JIG**

*Contents same as AS071 but with but with the following:* 507.100

507.101	Distal Jig for XL Tibial Nails . . . . .	1
507.129	Distal Jig for XL Femur Nails . . . . .	1
507.102	Base Plate (for both XL Tibial & XL Femoral) . . . . .	1
507.102	Sliding Sleeves (for XL Tibia & XL Femur Proximal Jig Assembly) . . . . .	2



**Flexible Reaming Shaft with Fixed Reamer, Dia. 8.0mm.**  
Code No.: 507.038



**Medullary Reamer**  
(Size: 9 to 15mm with 0.5mm difference)  
Code No.: 510.9 to 510.15

**Flexible Reaming Shaft**  
Code No.: 507.03 (for Reamer Head 9 to 13mm)  
Code No.: 507.23 (for Reamer Head 13.5 to 15mm)



**Diamond Pointed Bone Awl for Femoral**  
Code No.: 507.01



**Diamond Pointed Bone Awl for Tibia**  
Code No.: 208.15



**Tissue Protector**  
Code No.: 507.02



**Guide Rod / Reaming Rod Introducer**  
Code No.: 507.103



**Medullary Tube**  
Code No.: 507.04



**Guide Rod 3.0mm Dia.**  
Code No.: 507.08



**Reaming Rod 3.0mm Dia.**  
Code No.: 507.05



**Depth Gauge (Extra Large)**  
Code No.: 507.16



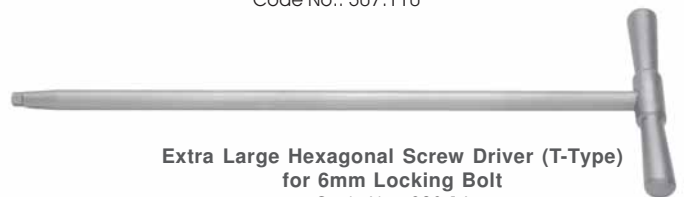
**Reduction Device**  
Code No.: 507.115



**Spanner, 10mm, S.S.**  
Code No.: 507.110



**Extra Large Hexagonal Screw Driver - 3.5mm Tip**  
Code No.: 208.10



**Extra Large Hexagonal Screw Driver (T-Type)  
for 6mm Locking Bolt**  
Code No.: 208.16



**Universal Socket Wrench**  
Code No.: 507.24



**Hammering Device**  
(to be used with XL Tibial & XL Femur Proximal Jig Assembl)  
Code No.: 507.28



**Extractor - Impactor**  
Code No.: 507.84



**Tomy Bar**  
Code No.: 507.116

... INSTRUMENTATION FOR XL TIBIAL & FEMORAL NAILS



**Proximal Jig Assembly  
Connecting Parts  
(for both XL Tibial & XL Femoral)**



**Proximal Jig  
for XL Tibial Nails**  
Code No.: 507.104



Code No.: 507.30



**Hex Cap**  
Code No.: 507.106



**Proximal Jig  
for XL Femoral Nails**  
Code No.: 507.105



**Nail Holding Bolt for XL Tibial Nails**  
Code No.: 507.109



**Nail Holding Bolt for XL Femur**  
Code No.: 507.108



**Trocar**  
Code No.: 507.113



**Tibial Protection Sleeve 8.0mm(ID), 10mm(OD)**  
Code No.: 507.111



**Femoral Protection Sleeve, 9.0mm(ID), 10mm(OD)**  
Code No.: 507.112



**Tibial Drill Sleeve, 3.5mm(ID), 8mm(OD)**  
Code No.: 507.64



**Femoral Drill Sleeve, 5.0mm(ID), 9mm(OD)**  
Code No.: 507.66



**Drill Bits, Ø 3.5mm x 250mm, Straight Shank, with Trocar End**  
Code No.: 261.637



**Drill Bits, Ø 5.0mm x 250mm, Straight Shank, with Trocar End**  
Code No.: 261.650

**OPTIONAL INSTRUMENTS**  
(To be Ordered Separately)



**DISTAL JIG ASSEMBLY FOR XL TIBIAL NAIL**  
(To be Ordered Separately)



**DISTAL JIG ASSEMBLY FOR XL FEMUR NAIL**  
(To be Ordered Separately)



**Distal Jig for XL Tibial Nails**  
Code No.: 507.100



**Distal Jig for XL Femur Nails**  
Code No.: 507.101



**Base Plate (for both XL Tibial & XL Femoral)**  
Code No.: 507.129



**Sliding Sleeves**  
(for XL Tibia & XL Femur Proximal Jig Assembly)  
Code No.: 507.102



**Universal Tibial Nails with Proximal Dynamic Hole  
STAINLESS STEEL**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
26	ITD09-26	ITD10-26	ITD11-26	ITD12-26	ITD13-26	ITD14-26
27	ITD09-27	ITD10-27	ITD11-27	ITD12-27	ITD13-27	ITD14-27
28	ITD09-28	ITD10-28	ITD11-28	ITD12-28	ITD13-28	ITD14-28
29	ITD09-29	ITD10-29	ITD11-29	ITD12-29	ITD13-29	ITD14-29
30	ITD09-30	ITD10-30	ITD11-30	ITD12-30	ITD13-30	ITD14-30
31	ITD09-31	ITD10-31	ITD11-31	ITD12-31	ITD13-31	ITD14-31
32	ITD09-32	ITD10-32	ITD11-32	ITD12-32	ITD13-32	ITD14-32
33	ITD09-33	ITD10-33	ITD11-33	ITD12-33	ITD13-33	ITD14-33
34	ITD09-34	ITD10-34	ITD11-34	ITD12-34	ITD13-34	ITD14-34
35	ITD09-35	ITD10-35	ITD11-35	ITD12-35	ITD13-35	ITD14-35
36	ITD09-36	ITD10-36	ITD11-36	ITD12-36	ITD13-36	ITD14-36
37	ITD09-37	ITD10-37	ITD11-37	ITD12-37	ITD13-37	ITD14-37
38	ITD09-38	ITD10-38	ITD11-38	ITD12-38	ITD13-38	ITD14-38
39	ITD09-39	ITD10-39	ITD11-39	ITD12-39	ITD13-39	ITD14-39
40	ITD09-40	ITD10-40	ITD11-40	ITD12-40	ITD13-40	ITD14-40
41	ITD09-41	ITD10-41	ITD11-41	ITD12-41	ITD13-41	ITD14-41
42	ITD09-42	ITD10-42	ITD11-42	ITD12-42	ITD13-42	ITD14-42
43	ITD09-43	ITD10-43	ITD11-43	ITD12-43	ITD13-43	ITD14-43
44	ITD09-44	ITD10-44	ITD11-44	ITD12-44	ITD13-44	ITD14-44

Same Nail for Right & Left Leg

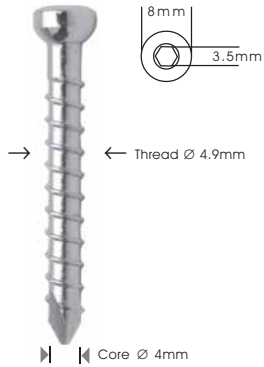


**Universal Femoral Nail with Proximal Dynamic Hole  
STAINLESS STEEL**

Length in cm.	Diameter					
	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm
32	IFD09-32	IFD10-32	IFD11-32	IFD12-32	IFD13-32	IFD14-32
33	IFD09-33	IFD10-33	IFD11-33	IFD12-33	IFD13-33	IFD14-33
34	IFD09-34	IFD10-34	IFD11-34	IFD12-34	IFD13-34	IFD14-34
35	IFD09-35	IFD10-35	IFD11-35	IFD12-35	IFD13-35	IFD14-35
36	IFD09-36	IFD10-36	IFD11-36	IFD12-36	IFD13-36	IFD14-36
37	IFD09-37	IFD10-37	IFD11-37	IFD12-37	IFD13-37	IFD14-37
38	IFD09-38	IFD10-38	IFD11-38	IFD12-38	IFD13-38	IFD14-38
39	IFD09-39	IFD10-39	IFD11-39	IFD12-39	IFD13-39	IFD14-39
40	IFD09-40	IFD10-40	IFD11-40	IFD12-40	IFD13-40	IFD14-40
41	IFD09-41	IFD10-41	IFD11-41	IFD12-41	IFD13-41	IFD14-41
42	IFD09-42	IFD10-42	IFD11-42	IFD12-42	IFD13-42	IFD14-42
43	IFD09-43	IFD10-43	IFD11-43	IFD12-43	IFD13-43	IFD14-43
44	IFD09-44	IFD10-44	IFD11-44	IFD12-44	IFD13-44	IFD14-44
45	IFD09-45	IFD10-45	IFD11-45	IFD12-45	IFD13-45	IFD14-45
46	IFD09-46	IFD10-46	IFD11-46	IFD12-46	IFD13-46	IFD14-46

Same Nail for Right & Left Leg

**LOCKING BOLTS,  
DIA 4.9MM,  
(SELF TAPPING)  
STAINLESS STEEL**



Code No.	Length mm
040-24	24
040-26	26
040-28	28
040-30	30
040-32	32
040-34	34
040-36	36
040-38	38
040-40	40
040-42	42
040-44	44
040-46	46
040-48	48
040-50	50
040-52	52
040-54	54
040-56	56
040-58	58
040-60	60
040-65	65
040-70	70
040-75	75
040-80	80
040-85	85
040-90	90
040-95	95
040-100	100

Note:  
To ensure safe hold in the far cortical, a locking bolt 2mm longer than measured has to be chosen to allow for the trocar tip.  
Drill Bit to be used: 4mm



**Plug Screws for all Universal Nails  
STAINLESS STEEL**

Code No.	Used with
042-109	for 9.0mm Dia. Nails.
042-110	for 10.0mm Dia. Nails.
042-111	for 11.0mm Dia. Nails.
042-112	for 12.0mm Dia. Nails.
042-113	for 13.0mm Dia. Nails.
042-114	for 14.0mm Dia. Nails.

INSTRUMENTS FOR UNIVERSAL TIBIAL & FEMORAL NAILS



**Bone Awl**  
Code No.: 507.01



**Tissue Protector**  
Code No.: 507.02



**Medullary Tube**  
Code No.: 507.04

IDEAL SURGICAL



**Guide Rod / Reaming Rod Introducer**  
Code No.: 507.103



**Reaming Rod 3.0mm Dia.**  
Code No.: 507.05



**Guide Rod 3.0mm Dia.**  
Code No.: 507.08





**Flexible Reaming Shaft with Fixed Reamer, Dia. 8.0mm.**  
Code No.: 507.038



**Medullary Reamer**  
(Size: 9 to 15mm with 0.5mm difference)  
Code No.: 510.9 to 510.15

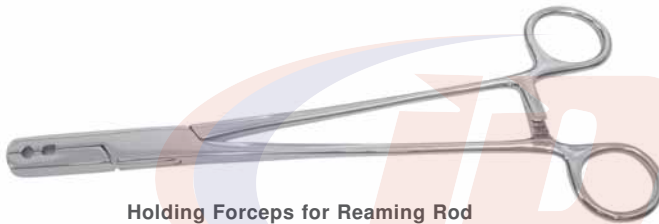
**Flexible Reaming Shaft**  
Code No.: 507.03 (for Reamer Head 9 to 13mm)  
Code No.: 507.23 (for Reamer Head 13.5 to 15mm)



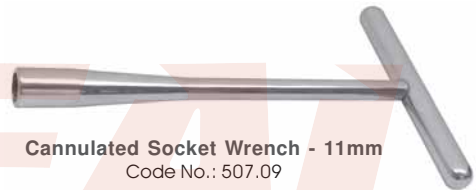
**Extra Large Hexagonal Screw Driver, 3.5mm Tip**  
Code No.: 208.10



**Depth Gauge (Extra Large)**  
Code No.: 507.16



**Holding Forceps for Reaming Rod**  
Code No.: 507.06



**Cannulated Socket Wrench - 11mm**  
Code No.: 507.09



**Cannulated Extractor Impactor Set**  
(Set of Three)  
Code No.: 507.11  
[507.11(A) + 507.11(B) + 507.11(C)]



**Curved Driving Piece with Head**  
Code No.: 507.10



**Proximal Jig**  
Code No.: 507.12



**Conical Bolt with Two Nuts**  
Code No.: 507.13



**Protection Sleeve, 8.0mm(ID), 11mm(OD)**  
Code No.: 507.17



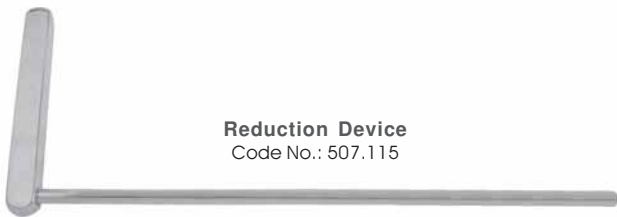
**Drill Sleeve 3.2mm(ID), 8.0mm(OD)**  
Code No.: 507.18



**Drill Sleeve, 4.5mm(ID), 8.0mm(OD)**  
Code No.: 507.19



**Trocar**  
Code No.: 507.113



**Reduction Device**  
Code No.: 507.115



**Tomy Bar**  
Code No.: 507.116



**Drill Bit 4.0 x 4.5mm Dia. (Quick Coupling), Length 250mm.**  
Code No.: 260.501



**Drill Bit 3.2mm Dia. (Quick Coupling), Length 200mm.**  
Code No.: 260.325



**Spanner 11mm, S.S.**  
Code No.: 507.99



**Spanner 21mm, S.S.**  
Code No.: 507.100

**OPTIONAL INSTRUMENTS**  
(To be Ordered Separately)



**Distal Jig for Universal Tibial Nails**  
Code No.: 507.160



**Distal Jig for Universal Femur Nails**  
Code No.: 507.162



**Base Plate (for both Universal Tibial & Universal Femoral)**  
Code No.: 507.165

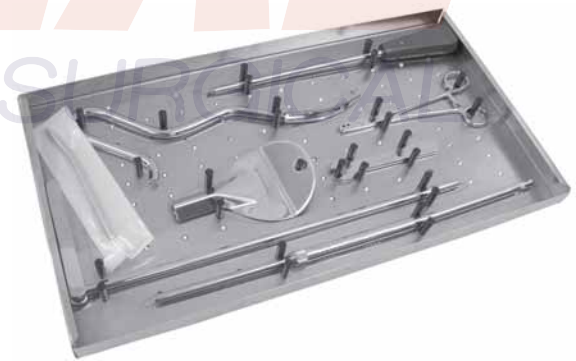
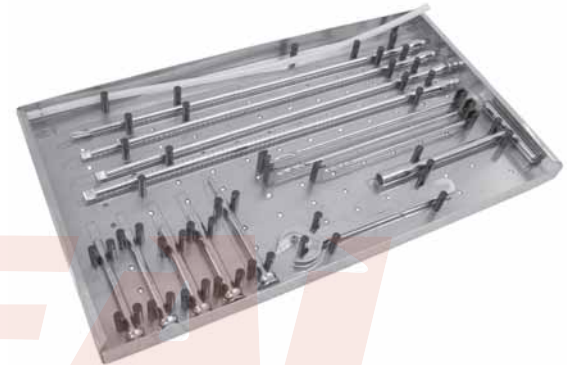


**Sliding Sleeves (for Universal Tibial & Universal Femur Proximal Jig Assembly)**  
Code No.: 507.167

☐ INSTRUMENT SET FOR UNIVERSAL TIBIAL & FEMORAL NAILS

**INSTRUMENT SET FOR UNIVERSAL TIBIAL & UNIVERSAL FEMORAL NAILS, S.S.**  
**Code No.: AS031**

	<b>Set Consisting of:</b>	<b>Units</b>
507.01	Bone Awl .....	1
507.02	Tissue Protector .....	1
507.04	Medullary Tube .....	1
507.05	Reaming Rod 3.0mm Dia .....	1
507.08	Guide Rod 3.0mm Dia .....	1
507.103	Guide Rod / Reaming Rod Introducer .....	1
507.038	Flexible reaming Shaft with fixed reamer dia 8.0mm .....	1
507.03	Flexible Reamer Shaft only (For Reamer Head upto 13mm.) .....	2
507.23	Flexible Reamer Shaft only (For Reamer Head from 13.5mm to 15mm.) .....	1
510.9 to 510.13	Reamer Heads (Medullary), 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm, Set of 9 pieces .....	1
510.135 to 510.15	Reamer Heads (Medullary), 13.5, 14, 14.5, 15mm, Set of 4 pieces .....	1
507.16	Depth Gauge .....	1
208.10	Large Hexagonal Screws Driver .....	1
507.115	Reduction Device .....	1
507.06	Holding Forceps for Reaming Rod .....	1
507.09	Cannulated Socket Wrench – 11mm .....	1
507.10	Curved Driving Piece with Head .....	1
507.11	Cannulated Extractor / Impactor Set of 3 Pcs .....	1
507.11 (A)	Hammer .....	1
507.11 (B)	Handle .....	1
507.11 (C)	Guide Rod .....	1
507.12	Proximal Jig .....	1
507.13	Conical Bolt with Two nuts .....	1
507.17	Protection Sleeve, 8mm (ID.), 11mm (OD.) .....	1
507.18	Drill Sleeve 3.2mm (ID.), 8mm (OD.) .....	1
507.19	Drill Sleeve 4.5mm (ID.), 8mm (OD.) .....	1
260.501	Drill Bit 4.0 x 4.5mm Dia (Quick Coupling), Length 250mm .....	2
260.325	Drill Bit 3.2mm Dia (Quick Coupling), Length 200mm .....	1
507.113	Trocar .....	1
507.116	Tomy Bar .....	2
507.99	Spanner SS, 11mm .....	1
507.100	Spanner SS, 21mm .....	1
901.001	S.S. Container .....	1



**OPTIONAL INSTRUMENTS (To be Ordered Separately)**

507.14	Freehand Aiming Device for Distal Locking .....	1
507.160	Distal Jig for Universal Tibial Nails .....	1
507.162	Distal Jig for Universal Femur Nails .....	1
507.165	Base Plate (for both Universal Tibial & Femoral Nails) .....	1
507.167	Sliding Sleeves (for both Universal Tibial & Femoral Nails) .....	2

**AS031DJ INSTRUMENT SET FOR UNIVERSAL TIBIAL & UNIVERSAL FEMORAL NAILS WITH DISTAL JIG**

<b>Contents same as AS031 but with the following:</b>		
507.160	Distal Jig for Universal Tibial Nails .....	1
507.162	Distal Jig for Universal Femur Nails .....	1
507.165	Base Plate (for both Universal Tibial & Femoral Nails) .....	1
507.167	Sliding Sleeves (for both Universal Tibial & Femoral Nails) .....	2



**Proximal Femoral Nails (PFN Nails)  
STAINLESS STEEL**

Code No.	Dia. mm	Length cm
PFN09-25	9	25
PFN10-25	10	25
PFN11-25	11	25
PFN12-25	12	25
PFN09-30	9	30
PFN10-30	10	30
PFN11-30	11	30
PFN12-30	12	30

**Proximal Femoral Nails (PFN Nails)  
TITANIUM**

Code No.	Dia. mm	Length cm
Ti-PFN09-25	9	25
Ti-PFN10-25	10	25
Ti-PFN11-25	11	25
Ti-PFN12-25	12	25
Ti-PFN09-30	9	30
Ti-PFN10-30	10	30
Ti-PFN11-30	11	30
Ti-PFN12-30	12	30



Recon Nail

**Recon Nail (Left)  
STAINLESS STEEL**

Length in cm.	Diameter			
	9 mm	10 mm	11 mm	12 mm
34	RN09-34L	RN10-34L	RN11-34L	RN12-34L
36	RN09-36L	RN10-36L	RN11-36L	RN12-36L
38	RN09-38L	RN10-38L	RN11-38L	RN12-38L
40	RN09-40L	RN10-40L	RN11-40L	RN12-40L
42	RN09-42L	RN10-42L	RN11-42L	RN12-42L
44	RN09-44L	RN10-44L	RN11-44L	RN12-44L
46	RN09-46L	RN10-46L	RN11-46L	RN12-46L

**Recon Nail (Left)  
TITANIUM**

Length in cm.	Diameter			
	9 mm	10 mm	11 mm	12 mm
34	Ti-RN09-34L	Ti-RN10-34L	Ti-RN11-34L	Ti-RN12-34L
36	Ti-RN09-36L	Ti-RN10-36L	Ti-RN11-36L	Ti-RN12-36L
38	Ti-RN09-38L	Ti-RN10-38L	Ti-RN11-38L	Ti-RN12-38L
40	Ti-RN09-40L	Ti-RN10-40L	Ti-RN11-40L	Ti-RN12-40L
42	Ti-RN09-42L	Ti-RN10-42L	Ti-RN11-42L	Ti-RN12-42L
44	Ti-RN09-44L	Ti-RN10-44L	Ti-RN11-44L	Ti-RN12-44L
46	Ti-RN09-46L	Ti-RN10-46L	Ti-RN11-46L	Ti-RN12-46L

**Recon Nail (Right)  
STAINLESS STEEL**

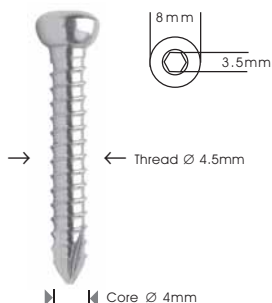
Length in cm.	Diameter			
	9 mm	10 mm	11 mm	12 mm
34	RN09-34R	RN10-34R	RN11-34R	RN12-34R
36	RN09-36R	RN10-36R	RN11-36R	RN12-36R
38	RN09-38R	RN10-38R	RN11-38R	RN12-38R
40	RN09-40R	RN10-40R	RN11-40R	RN12-40R
42	RN09-42R	RN10-42R	RN11-42R	RN12-42R
44	RN09-44R	RN10-44R	RN11-44R	RN12-44R
46	RN09-46R	RN10-46R	RN11-46R	RN12-46R

**Recon Nail (Right)  
TITANIUM**

Length in cm.	Diameter			
	9 mm	10 mm	11 mm	12 mm
34	Ti-RN09-34R	Ti-RN10-34R	Ti-RN11-34R	Ti-RN12-34R
36	Ti-RN09-36R	Ti-RN10-36R	Ti-RN11-36R	Ti-RN12-36R
38	Ti-RN09-38R	Ti-RN10-38R	Ti-RN11-38R	Ti-RN12-38R
40	Ti-RN09-40R	Ti-RN10-40R	Ti-RN11-40R	Ti-RN12-40R
42	Ti-RN09-42R	Ti-RN10-42R	Ti-RN11-42R	Ti-RN12-42R
44	Ti-RN09-44R	Ti-RN10-44R	Ti-RN11-44R	Ti-RN12-44R
46	Ti-RN09-46R	Ti-RN10-46R	Ti-RN11-46R	Ti-RN12-46R



**LOCKING BOLT,  
DIA 4.5MM  
(SELF TAPPING)**



Length in mm.	Codes	
	Stainless Steel	Titanium
24	045-24	Ti-045-24
26	045-26	Ti-045-26
28	045-28	Ti-045-28
30	045-30	Ti-045-30
32	045-32	Ti-045-32
34	045-34	Ti-045-34
36	045-36	Ti-045-36
38	045-38	Ti-045-38
40	045-40	Ti-045-40
42	045-42	Ti-045-42
44	045-44	Ti-045-44
46	045-46	Ti-045-46
48	045-48	Ti-045-48
50	045-50	Ti-045-50
55	045-55	Ti-045-55
60	045-60	Ti-045-60
65	045-65	Ti-045-65
70	045-70	Ti-045-70
75	045-75	Ti-045-75
80	045-80	Ti-045-80
85	045-85	Ti-045-85
90	045-90	Ti-045-90
95	045-95	Ti-045-95
100	045-100	Ti-045-100
105	045-105	Ti-045-105
110	045-110	Ti-045-110
115	045-115	Ti-045-115
120	045-120	Ti-045-120

Drill Bit : 4mm

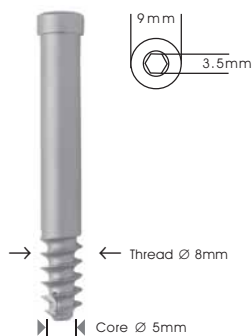
**LOCKING BOLT, DIA 6MM,  
CANNULATED (SELF TAPPING)**



Length in mm.	Codes	
	Stainless Steel	Titanium
50	047-50	Ti-047-50
55	047-55	Ti-047-55
60	047-60	Ti-047-60
65	047-65	Ti-047-65
70	047-70	Ti-047-70
75	047-75	Ti-047-75
80	047-80	Ti-047-80
85	047-85	Ti-047-85
90	047-90	Ti-047-90
95	047-95	Ti-047-95
100	047-100	Ti-047-100
105	047-105	Ti-047-105
110	047-110	Ti-047-110
115	047-115	Ti-047-115
120	047-120	Ti-047-120

Cannulated Drill Bit: 4.5mm

**LOCKING BOLT  
DIA 8MM  
CANNULATED  
(SELF TAPPING)**



Length in mm.	Codes	
	Stainless Steel	Titanium
50	048-50	Ti-048-50
55	048-55	Ti-048-55
60	048-60	Ti-048-60
65	048-65	Ti-048-65
70	048-70	Ti-048-70
75	048-75	Ti-048-75
80	048-80	Ti-048-80
85	048-85	Ti-048-85
90	048-90	Ti-048-90
95	048-95	Ti-048-95
100	048-100	Ti-048-100
105	048-105	Ti-048-105
110	048-110	Ti-048-110
115	048-115	Ti-048-115
120	048-120	Ti-048-120

Cannulated Drill Bit: 5mm



End Cap for PFN & Recon Nails

	Stainless Steel	Titanium
Code No.	047-SS	047-Ti



**Flexible Reaming Shaft with Fixed Reamer, Dia. 8.0mm.**  
Code No.: 507.038



**Medullary Reamer**  
(Size: 9 to 15mm with 0.5mm difference)  
Code No.: 510.9 to 510.15



**Flexible Reaming Shaft**  
Code No.: 507.03 (for Reamer Head 9 to 13mm)  
Code No.: 507.23 (for Reamer Head 13.5 to 15mm)



**Diamond Pointed Bone Awl for Femoral**  
Code No.: 507.01



**Depth Gauge (Extra Large)**  
Code No.: 507.16



**Medullary Tube**  
Code No.: 507.04



**Reaming Rod 3.0mm Dia.**  
Code No.: 507.05



**Extractor - Impactor**  
Code No.: 507.84



**Guide Rod 3.0mm Dia.**  
Code No.: 507.08



**Guide Rod / Reaming Rod Introducer**  
Code No.: 507.103



**Tissue Protector**  
Code No.: 507.02



**Hexagonal Screw Driver Extra Large - 3.5mm Tip**  
Code No.: 208.10



**Cannulated Hexagonal Screw Driver Extra Large - 3.5mm Tip**  
Code No.: 507.48



**Drill Sleeve 3.5mm ID , 8mm OD**  
Code No.: 507.64



**Protection Sleeve, ID 8mm, OD 10mm for 4.5mm locking Bolt**  
Code No.: 507.61



**Cannulated Step Drill Bit for 6mm Cannulated Locking Bolt**  
Code No.: 507.39



**Cannulated Step Drill Bit for 8mm Cannulated Locking Bolt**  
Code No.: 507.40



**Protection Sleeve for 6mm Locking Bolts**  
Code No.: 507.31



**Guide Wire Sleeve for 2.0mm x 7mm**  
Code No.: 507.36



**Protection Sleeve for 8mm Locking Bolts**  
Code No.: 507.32



**Guide Wire Sleeve for 2.0mm x 9.0mm**  
Code No.: 507.37



**Threaded Guide Wire 2.0mm Dia (6 Pcs.)**  
Code No.: 507.34



**Assembly for PFN/RECON NAILS  
(TO BE ORDERED SEPARATELY)**



**Spanner, 17mm, S.S.**  
Code No.: 507.017



**CDrill Bit, Dia 3.5mm x 250mm, Straight Shank, with Trocar End**  
Code No.: 261.637



**Jig for PFN/RECON NAILS**  
Code No.: 507.150



**Nail Holding Bolt for PFN/RECON**  
Code No.: 507.152

**Jig Assembly Connecting Parts**



**Hex Cap**  
Code No.: 507.106

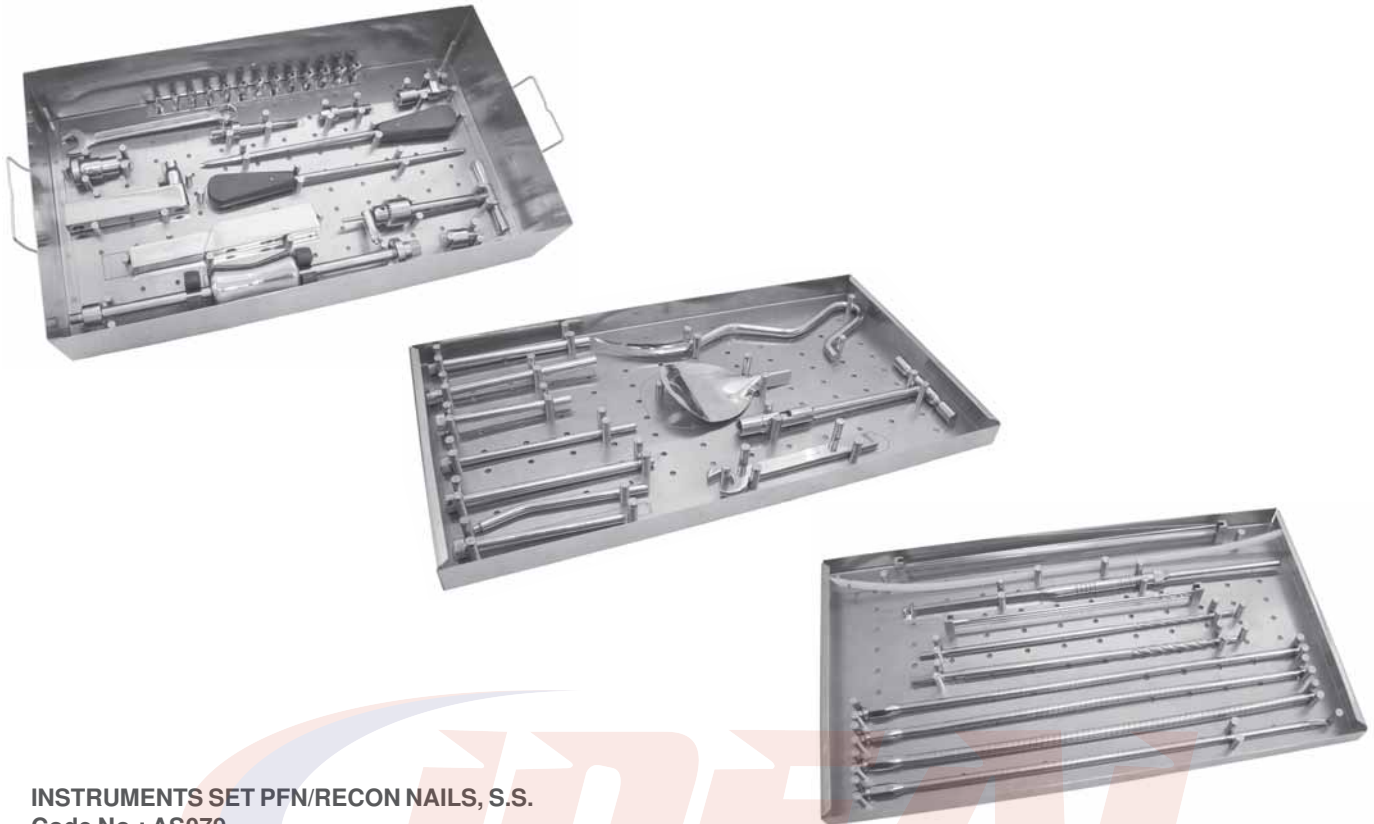


Code No.: 507.30



**Hammering Device**  
Code No.: 507.28

☐ INSTRUMENTS SET FOR PFN & RECON NAILS



**INSTRUMENTS SET PFN/RECON NAILS, S.S.**  
Code No.: AS079

*Set Consisting of:*

**Units**

507.01	Diamond Pointed Bone Awl for Femoral .....	1
507.02	Tissue Protector .....	1
507.038	Flexible Reaming Shaft with Fixed Reamer, Dia. 8.0mm. ....	1
507.03	Flexible Reamer Shaft only (For Reamer Heads 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm.) .....	2
507.23	Flexible Reamer Shaft only (For Reamer Heads 13.5, 14, 14.5, 15mm.) .....	1
510.9 to 510.13	Reamer Heads (Medullary), 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm, Set of 9 pieces .....	1 Set
510.135 to 510.15	Reamer Heads (Medullary), 13.5, 14, 14.5, 15mm, Set of 4 pieces .....	1 Set
507.04	Medullary Tube .....	1
507.05	Reaming Rod 3.0mm Dia .....	1
507.103	Guide Rod / Reaming Rod Introducer .....	1
507.08	Guide Rod 3.0mm Dia .....	1
507.84	Extractor - Impactor .....	1
507.31	Protection Sleeve for 6mm Locking Bolts .....	1
507.32	Protection Sleeve for 8mm Locking Bolts .....	1
507.36	Guide Wire Sleeve 2.0mm x 7.0mm .....	1
507.37	Guide Wire Sleeve 2.0mm x 9.0mm .....	1
507.34	Threaded Guide Wire 2.0mm Dia.( 6 pieces) .....	6
507.39	Cannulated Step Drill Bit for 6mm Cannulated Locking Bolt .....	1
507.40	Cannulated Step Drill Bit for 8mm Cannulated Locking Bolt .....	1
507.150	Proximal & Distal Jig for PFN/Recon Nail .....	1
507.106	Hex Cap .....	1
507.30	Proximal Jig Assembly Connecting Part .....	1
507.28	Hammering Device .....	1
507.152	Nail Holding Bolt for PFN & Recon Nails .....	2
507.48	Cannulated Hexagonal Screw Driver Extra Large - 3.5mm Tip .....	1
208.10	Extra Large Hexagonal Screw Driver 3.5mm Tip .....	1
507.16	Depth Gauge .....	1
507.017	Spanner 17mm, S.S. ....	1
507.61	Protection Sleeve, ID 8mm, OD 10mm for 4.5mm locking Bolt .....	1
507.64	Drill Sleeve 3.5mm ID , 8mm OD .....	1
261.637	Drill Bit, Dia 3.5mm x 250mm, Straight Shank, with Trocar End .....	2
902.010	S.S.Container .....	1 set



**Intramedullary Supra Condylar Nail (IMSC) - 5 Holes**

**STAINLESS STEEL**

Length in cm.	Diameter			
	10 mm	11 mm	12 mm	13 mm
15	IMSC-115	IMSC-215	IMSC-315	IMSC-415
20	IMSC-120	IMSC-220	IMSC-320	IMSC-420
25	IMSC-125	IMSC-225	IMSC-325	IMSC-425

Drill Bit: 4mm

**TITANIUM**

Length in cm.	Diameter			
	10 mm	11 mm	12 mm	13 mm
15	Ti-IMSC-115	Ti-IMSC-215	Ti-IMSC-315	Ti-IMSC-415
20	Ti-IMSC-120	Ti-IMSC-220	Ti-IMSC-320	Ti-IMSC-420
25	Ti-IMSC-125	Ti-IMSC-225	Ti-IMSC-325	Ti-IMSC-425

Drill Bit: 4mm



**Intramedullary Supra Condylar Nail (IMSC) - Multiple Holes**

**STAINLESS STEEL**

Length in cm.	Diameter			
	10 mm	11 mm	12 mm	13 mm
15	IMSC-515	IMSC-615	IMSC-715	IMSC-815
20	IMSC-520	IMSC-620	IMSC-720	IMSC-820
25	IMSC-525	IMSC-625	IMSC-725	IMSC-825

Drill Bit: 4mm

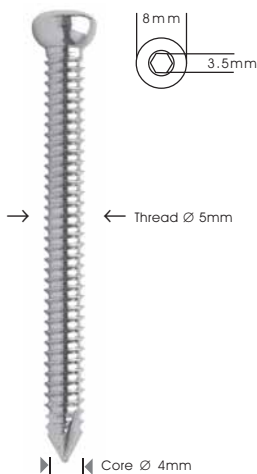
**TITANIUM**

Length in cm.	Diameter			
	10 mm	11 mm	12 mm	13 mm
15	Ti-IMSC-515	Ti-IMSC-615	Ti-IMSC-715	Ti-IMSC-815
20	Ti-IMSC-520	Ti-IMSC-620	Ti-IMSC-720	Ti-IMSC-820
25	Ti-IMSC-525	Ti-IMSC-625	Ti-IMSC-725	Ti-IMSC-825

Drill Bit: 4mm

SURGICAL

**IMSC LOCKING BOLTS, 5 MM (SELF TAPPING)**



Length in mm.	Codes	
	Stainless Steel	Titanium
20	049-20	Ti-049-20
25	049-25	Ti-049-25
30	049-30	Ti-049-30
35	049-35	Ti-049-35
40	049-40	Ti-049-40
45	049-45	Ti-049-45
50	049-50	Ti-049-50
55	049-55	Ti-049-55
60	049-60	Ti-049-60
65	049-65	Ti-049-65
70	049-70	Ti-049-70
75	049-75	Ti-049-75
80	049-80	Ti-049-80
85	049-85	Ti-049-85
90	049-90	Ti-049-90
95	049-95	Ti-049-95
100	049-100	Ti-049-100
105	049-105	Ti-049-105
110	049-110	Ti-049-110
115	049-115	Ti-049-115
120	049-120	Ti-049-120

Drill Bit: 4mm



**End Cap for Intramedullary Supra Condylar Nail (IMSC)**

	Stainless Steel	Titanium
Code No.	049-SS	049-Ti



**Reaming Rod 3.0mm Dia.**  
Code No.: 507.05



**Guide Rod 3.0mm Dia.**  
Code No.: 507.08



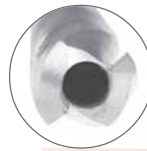
**Proximal & Distal Jig for 5 Holes IMSC Nail**  
Code No.: 507.76



**Proximal & Distal Jig for Multiple Holes IMSC Nail**  
Code No.: 507.77



**Nail Holding Bolt for Intramedullary Supra Condylar Nail**  
Code No.: 507.86



**Cannulated Reamer (T-type)**

Code No.	Size
507.96-11	11 mm
507.96-12	12 mm
507.96-13	13 mm
507.96-14	14 mm



**Guide Rod / Reaming Rod Introducer**  
Code No.: 507.103



**Spanner 14mm, S.S.**  
Code No.: 507.67



**Extra Large Hexagonal Screw Driver - 3.5mm Tip**  
Code No.: 208.10



**Bone Awl**  
Code No.: 507.01



**Drill Bit 3.2mm Dia. x 200mm, Extra Long**  
Code No.: 260.325



**Drill Bit 4.0 x 4.5mm Dia. x 250mm**  
Code No.: 260.501





**Drill Sleeve 3.2mm(ID), 8mm(OD)**  
Code No.: 507.18



**Drill Sleeve, 4.5mm(ID), 8mm(OD)**  
Code No.: 507.19



**Sleeve Trocar**  
Code No.: 507.97



**Protection Sleeve, 8.0mm(ID), 11mm(OD)**  
Code No.: 507.17

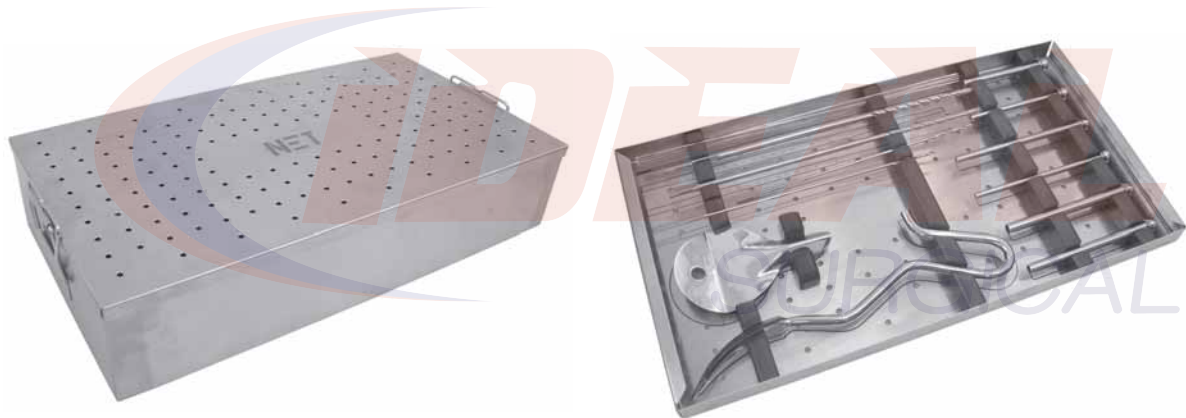


**Depth Gauge (Extra Large)**  
Code No.: 507.16



**Extractor - Impactor**  
Code No.: 507.84

INSTRUMENTS SET FOR INTRAMEDULLARY SUPRA CONDYLAR NAILS

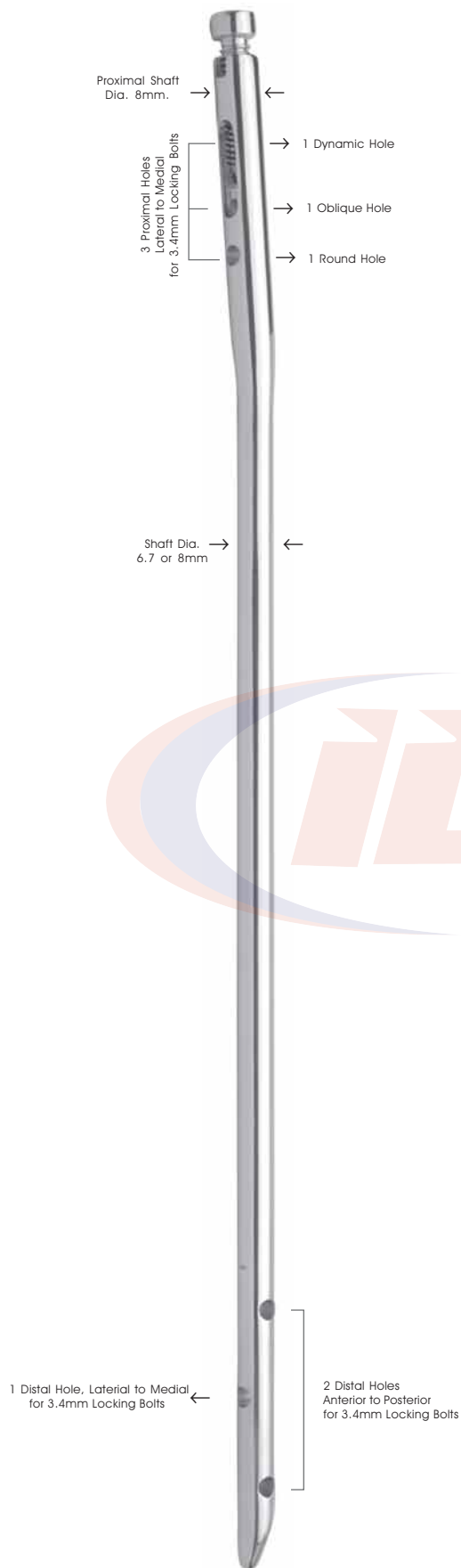


**INSTRUMENT SET FOR 5 HOLES IMSC NAIL, S.S.**  
Code No.: AS96

	<i>Set Consisting of:</i>	<b>Units</b>
507.01	Diamond Pointed bone awl .....	1
507.05	Reaming Rod 3.0mm Dia .....	1
507.103	Guide Rod / Reaming Rod Introducer .....	1
507.96	Cannulated Reamer (T - Type) .....	1
507.08	Guide Rod 3.0mm Dia .....	1
507.84	Extractor-Impactor .....	1
507.76	Proximal & Distal Jig for 5 Holes IMSC Nail .....	1
507.86	Nail Holding Bolt for Intramedullary Supra Condylar Nails	1
507.67	Spanner, 14mm, S.S. ....	1
260.501	Drill Bit 4.0mm x 4.5mm x 250mm .....	1
260.325	Drill Bit 3.2mm Dia x 200mm, Extra Long .....	1
208.10	Extra Large Hexagonal Screw Driver 3.5mm Tip .....	1
507.16	Depth Gauge, Extra Large .....	1
507.17	Protection Sleeve 8mm (ID.), 11mm (OD.) .....	1
507.18	Drill Sleeve 3.2mm (ID.), 8mm (OD.) .....	1
507.19	Drill Sleeve 4.5mm (ID.), 8mm (OD.) .....	1
507.97	Sleeve Trocar .....	1
900.020	S.S.Container .....	1 set

**INSTRUMENT SET FOR MULTIPLE HOLES IMSC NAIL, S.S.**  
Code No.: AS097

	<i>Set Consisting of:</i>	<b>Units</b>
507.01	Diamond Pointed bone awl .....	1
507.05	Reaming Rod 3.0mm Dia .....	1
507.103	Guide Rod / Reaming Rod Introducer .....	1
507.96	Cannulated Reamer (T - Type) .....	1
507.08	Guide Rod 3.0mm Dia .....	1
507.84	Extractor-Impactor .....	1
507.77	Proximal & Distal Jig for Multiple Holes IMSC Nail .....	1
507.86	Nail Holding Bolt for Intramedullary Supra Condylar Nails	1
507.67	Spanner, 14mm, S.S. ....	1
260.501	Drill Bit 4.0mm x 4.5mm x 250mm .....	1
260.325	Drill Bit 3.2mm Dia x 200mm, Extra Long .....	1
208.10	Extra Large Hexagonal Screw Driver 3.5mm Tip .....	1
507.16	Depth Gauge, Extra Large .....	1
507.17	Protection Sleeve 8mm (ID.), 11mm (OD.) .....	1
507.18	Drill Sleeve 3.2mm (ID.), 8mm (OD.) .....	1
507.19	Drill Sleeve 4.5mm (ID.), 8mm (OD.) .....	1
507.97	Sleeve Trocar .....	1
900.023	S.S.Container .....	1 set

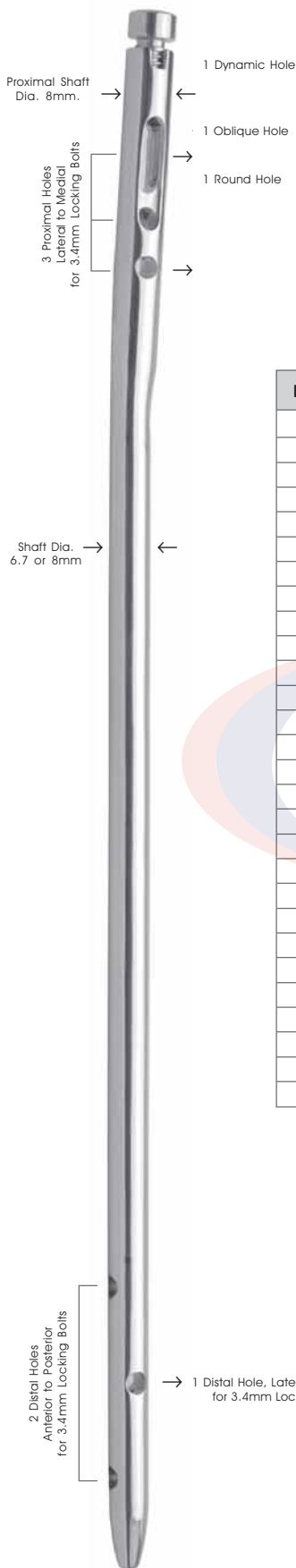
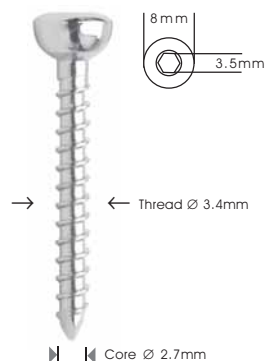


Unreamed Humeral Nails

Dia. in mm	Length in mm	Codes	
		Stainless Steel	Titanium
6.7	190	UHN67-19	Ti-UHN67-19
6.7	200	UHN67-20	Ti-UHN67-20
6.7	210	UHN67-21	Ti-UHN67-21
6.7	220	UHN67-22	Ti-UHN67-22
6.7	230	UHN67-23	Ti-UHN67-23
6.7	240	UHN67-24	Ti-UHN67-24
6.7	250	UHN67-25	Ti-UHN67-25
6.7	260	UHN67-26	Ti-UHN67-26
6.7	270	UHN67-27	Ti-UHN67-27
6.7	280	UHN67-28	Ti-UHN67-28
6.7	290	UHN67-29	Ti-UHN67-29
6.7	300	UHN67-30	Ti-UHN67-30
6.7	310	UHN67-31	Ti-UHN67-31
6.7	320	UHN67-32	Ti-UHN67-32
8.0	190	UHN80-19	Ti-UHN80-19
8.0	200	UHN80-20	Ti-UHN80-20
8.0	210	UHN80-21	Ti-UHN80-21
8.0	220	UHN80-22	Ti-UHN80-22
8.0	230	UHN80-23	Ti-UHN80-23
8.0	240	UHN80-24	Ti-UHN80-24
8.0	250	UHN80-25	Ti-UHN80-25
8.0	260	UHN80-26	Ti-UHN80-26
8.0	270	UHN80-27	Ti-UHN80-27
8.0	280	UHN80-28	Ti-UHN80-28
8.0	290	UHN80-29	Ti-UHN80-29
8.0	300	UHN80-30	Ti-UHN80-30
8.0	310	UHN80-31	Ti-UHN80-31
8.0	320	UHN80-32	Ti-UHN80-32



### 3.4MM LOCKING BOLTS FOR HUMERAL NAILS (SELF TAPPING)



### Cannulated Humeral Nails STAINLESS STEEL

Dia. mm	Length mm	Code No.
6.7	190	CHN67-19
6.7	200	CHN67-20
6.7	210	CHN67-21
6.7	220	CHN67-22
6.7	230	CHN67-23
6.7	240	CHN67-24
6.7	250	CHN67-25
6.7	260	CHN67-26
6.7	270	CHN67-27
6.7	280	CHN67-28
6.7	290	CHN67-29
6.7	300	CHN67-30
6.7	310	CHN67-31
6.7	320	CHN67-32
8.0	190	CHN80-19
8.0	200	CHN80-20
8.0	210	CHN80-21
8.0	220	CHN80-22
8.0	230	CHN80-23
8.0	240	CHN80-24
8.0	250	CHN80-25
8.0	260	CHN80-26
8.0	270	CHN80-27
8.0	280	CHN80-28
8.0	290	CHN80-29
8.0	300	CHN80-30
8.0	310	CHN80-31
8.0	320	CHN80-32

Length in mm.	Codes	
	Stainless Steel	Titanium
20	043-20	Ti-043-20
22	043-22	Ti-043-22
24	043-24	Ti-043-24
26	043-26	Ti-043-26
28	043-28	Ti-043-28
30	043-30	Ti-043-30
32	043-32	Ti-043-32
34	043-34	Ti-043-34
36	043-36	Ti-043-36
38	043-38	Ti-043-38
40	043-40	Ti-043-40
42	043-42	Ti-043-42
44	043-44	Ti-043-44
46	043-46	Ti-043-46
48	043-48	Ti-043-48
50	043-50	Ti-043-50
52	043-52	Ti-043-52
54	043-54	Ti-043-54
56	043-56	Ti-043-56
58	043-58	Ti-043-58
60	043-60	Ti-043-60

Drill Bit : 2.7mm



### End Caps for Humeral Nail

Dia. in mm	Ext. in mm	Codes	
		Stainless Steel	Titanium
5.5	0.0	044.100	Ti-044.100
8.0	5.0	044.105	Ti-044.105
8.0	10.0	044.110	Ti-044.110
8.0	15.0	044.115	Ti-044.115



**Proximal Jig**  
Code No.: 506.02



**Large Hexagonal Screw Driver - 3.5mm  
Tip**  
Code No.: 301.050



**Cannulated Nail Holding Bolt (Connecting Bolt)**  
Code No.: 506.56



**Kirschner Wire with One Trocar Tip, 2.5mm Dia x 300mm**  
Code No.: 506.57



**Cannulated Bone Awl**  
Code No.: 506.03



**Guide Wire with Threaded Tip, 2.0mm Dia x 230mm**  
Code No.: 703.015



**Cannulated Extractor / Impactor**  
Code No.: 506.50



**Trocar, 8.0mm**  
Code No.: 506.07



**Protection Sleeve 8mm(ID), 11mm(OD)**  
Code No.: 506.05



**Drill Sleeve 2.7mm(ID), 8mm(OD)**  
Code No.: 506.06



**Slotted Hammer**  
Code No.: 702.008



**Spanner 11mm, S.S.**  
Code No.: 507.99



**Drill Bit, Plain Shank, Trocar End**  
2.7mm x 200mm  
Code No.: 201.28



**Depth Gauge**  
Code No.: 506.08



**Coupling Block for Extraction**  
Code No.: 507.98

OPTIONAL INSTRUMENTS FOR HUMERUS NAILS



**Compression Device**  
Code No.: 506.12



**Cannulated Nail Holding Bolt for Compression**  
Code No.: 506.60



**Projective Reamer**  
Code No.: 720.004



**Quick Coupling Handle (T-Type)**  
Code No.: 306.010

INSTRUMENTS SET FOR HUMERUS NAILS

**INSTRUMENT SET FOR CANNULATED HUMERUS NAILS**  
Code No.: AS065

Set Consisting of:	Units
506.02 Proximal Jig	1
506.03 Cannulated Bone Awl	1
702.008 Slotted Hammer	1
506.05 Protection Sleeve 8mm (ID.), 11mm (OD.)	1
506.06 Drill Sleeve 2.7mm (ID.), 8mm (OD.)	1
506.07 Trocar 8mm	1
506.08 Depth Gauge	1
506.50 Cannulated Extractor/Impactor	1
507.98 Coupling Block for Extraction	1
506.56 Cannulated Nail Holding Bolt (Connecting Bolt)	1
506.57 Kirschner Wire with Trocar Tip 2.5mm Dia. x 300mm	1
703.015 Guide Wire with Threaded Tip, 2.0mm Dia x 230mm	1
201.28 Drill Bit Plain Shank, Trocar End, 2.7mm x 200mm	1
301.050 Large Hexagonal Screw Driver 3.5mm Tip	1
507.99 Spanner 11mm, S.S.	1
900.025 S.S.Container	1

**INSTRUMENT SET FOR UNREAMED HUMERUS NAILS**  
Code No.: AS066

Set Consisting of:	Units
506.02 Proximal Jig	1
506.03 Cannulated Bone Awl	1
702.008 Slotted Hammer	1
506.05 Protection Sleeve 8mm (ID.), 11mm (OD.)	1
506.06 Drill Sleeve 2.7mm (ID.), 8mm (OD.)	1
506.07 Trocar 8mm	1
506.08 Depth Gauge	1
506.09 Extractor/Impactor	1
507.98 Coupling Block for Extraction	1
506.11 Nail Holding Bolt (Connecting Bolt)	1
506.55 Kirschner Wire with Trocar Tip 2.0mm Dia. x 300mm	1
201.28 Drill Bit Plain Shank, Trocar End, 2.7mm x 200mm	1
301.050 Large Hexagonal Screw Driver 3.5mm Tip	1
507.99 Spanner 11mm, S.S.	1
400.005 S.S.Box With Two Tray	1

**OPTIONAL INSTRUMENTS (To be Ordered Separately)**

506.12 Compression Device	1
506.13 Nail Holding Bolt for Compression	1
506.60 Cannulated Nail Holding Bolt for Compression	1
720.004 Projective Reamer	1
306.010 Quick Coupling Handle (T-Type)	1

ENDER NAILS



ENDERS NAILS  
STAINLESS STEEL

Length in cm.	Diameter					
	2 mm	2.5 mm	3 mm	3.5 mm	4 mm	4.5 mm
24	EN2-24	EN2.5-24	EN3-24	EN3.5-24	EN4-24	EN4.5-24
25	EN2-25	EN2.5-25	EN3-25	EN3.5-25	EN4-25	EN4.5-25
26	EN2-26	EN2.5-26	EN3-26	EN3.5-26	EN4-26	EN4.5-26
27	EN2-27	EN2.5-27	EN3-27	EN3.5-27	EN4-27	EN4.5-27
28	EN2-28	EN2.5-28	EN3-28	EN3.5-28	EN4-28	EN4.5-28
29	EN2-29	EN2.5-29	EN3-29	EN3.5-29	EN4-29	EN4.5-29
30	EN2-30	EN2.5-30	EN3-30	EN3.5-30	EN4-30	EN4.5-30
31	EN2-31	EN2.5-31	EN3-31	EN3.5-31	EN4-31	EN4.5-31
32	EN2-32	EN2.5-32	EN3-32	EN3.5-32	EN4-32	EN4.5-32
33	EN2-33	EN2.5-33	EN3-33	EN3.5-33	EN4-33	EN4.5-33
34	EN2-34	EN2.5-34	EN3-34	EN3.5-34	EN4-34	EN4.5-34
35	EN2-35	EN2.5-35	EN3-35	EN3.5-35	EN4-35	EN4.5-35
36	EN2-36	EN2.5-36	EN3-36	EN3.5-36	EN4-36	EN4.5-36
37	EN2-37	EN2.5-37	EN3-37	EN3.5-37	EN4-37	EN4.5-37
38	EN2-38	EN2.5-38	EN3-38	EN3.5-38	EN4-38	EN4.5-38
39	EN2-39	EN2.5-39	EN3-39	EN3.5-39	EN4-39	EN4.5-39
40	EN2-40	EN2.5-40	EN3-40	EN3.5-40	EN4-40	EN4.5-40
41	EN2-41	EN2.5-41	EN3-41	EN3.5-41	EN4-41	EN4.5-41
42	EN2-42	EN2.5-42	EN3-42	EN3.5-42	EN4-42	EN4.5-42
43	EN2-43	EN2.5-43	EN3-43	EN3.5-43	EN4-43	EN4.5-43
44	EN2-44	EN2.5-44	EN3-44	EN3.5-44	EN4-44	EN4.5-44

INSTRUMENTS FOR ENDER NAILS



Ender Nail Extractor  
Code No.: 508.001



Ender Nail Bender (Pair)  
Code No.: 508.003



Ender Nail Impactor / Driver  
Code No.: 508.007

TENSE NAILS



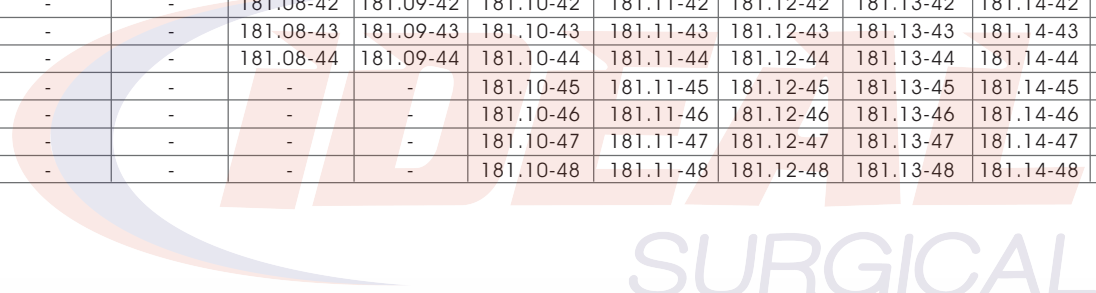
TENSE NAILS  
Length 40cm.

	Diameter				
	2 mm	2.5 mm	3 mm	3.5 mm	4 mm
S.S.	TEN2-40	TEN2.5-40	TEN3-40	TEN3.5-40	TEN4-40
Titanium	Ti-TEN2-40	Ti-TEN2.5-40	Ti-TEN3-40	Ti-TEN3.5-40	Ti-TEN4-40



**Kuntscher Cloverleaf Nails  
STAINLESS STEEL**

Length in cm.	Diameters									
	6 mm	7 mm	8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm
20	181.06-20	181.07-20	-	-	-	-	-	-	-	-
21	181.06-21	181.07-21	-	-	-	-	-	-	-	-
22	181.06-22	181.07-22	-	-	-	-	-	-	-	-
23	181.06-23	181.07-23	-	-	-	-	-	-	-	-
24	181.06-24	181.07-24	181.08-24	181.09-24	-	-	-	-	-	-
25	181.06-25	181.07-25	181.08-25	181.09-25	-	-	-	-	-	-
26	181.06-26	181.07-26	181.08-26	181.09-26	181.10-26	181.11-26	181.12-26	181.13-26	181.14-26	181.15-26
27	181.06-27	181.07-27	181.08-27	181.09-27	181.10-27	181.11-27	181.12-27	181.13-27	181.14-27	181.15-27
28	181.06-28	181.07-28	181.08-28	181.09-28	181.10-28	181.11-28	181.12-28	181.13-28	181.14-28	181.15-28
29	181.06-29	181.07-29	181.08-29	181.09-29	181.10-29	181.11-29	181.12-29	181.13-29	181.14-29	181.15-29
30	181.06-30	181.07-30	181.08-30	181.09-30	181.10-30	181.11-30	181.12-30	181.13-30	181.14-30	181.15-30
31	181.06-31	181.07-31	181.08-31	181.09-31	181.10-31	181.11-31	181.12-31	181.13-31	181.14-31	181.15-31
32	181.06-32	181.07-32	181.08-32	181.09-32	181.10-32	181.11-32	181.12-32	181.13-32	181.14-32	181.15-32
33	181.06-33	181.07-33	181.08-33	181.09-33	181.10-33	181.11-33	181.12-33	181.13-33	181.14-33	181.15-33
34	181.06-34	181.07-34	181.08-34	181.09-34	181.10-34	181.11-34	181.12-34	181.13-34	181.14-34	181.15-34
35	181.06-35	181.07-35	181.08-35	181.09-35	181.10-35	181.11-35	181.12-35	181.13-35	181.14-35	181.15-35
36	181.06-36	181.07-36	181.08-36	181.09-36	181.10-36	181.11-36	181.12-36	181.13-36	181.14-36	181.15-36
37	181.06-37	181.07-37	181.08-37	181.09-37	181.10-37	181.11-37	181.12-37	181.13-37	181.14-37	181.15-37
38	181.06-38	181.07-38	181.08-38	181.09-38	181.10-38	181.11-38	181.12-38	181.13-38	181.14-38	181.15-38
39	181.06-39	181.07-39	181.08-39	181.09-39	181.10-39	181.11-39	181.12-39	181.13-39	181.14-39	181.15-39
40	181.06-40	181.07-40	181.08-40	181.09-40	181.10-40	181.11-40	181.12-40	181.13-40	181.14-40	181.15-40
41	-	-	181.08-41	181.09-41	181.10-41	181.11-41	181.12-41	181.13-41	181.14-41	181.15-41
42	-	-	181.08-42	181.09-42	181.10-42	181.11-42	181.12-42	181.13-42	181.14-42	181.15-42
43	-	-	181.08-43	181.09-43	181.10-43	181.11-43	181.12-43	181.13-43	181.14-43	181.15-43
44	-	-	181.08-44	181.09-44	181.10-44	181.11-44	181.12-44	181.13-44	181.14-44	181.15-44
45	-	-	-	-	181.10-45	181.11-45	181.12-45	181.13-45	181.14-45	181.15-45
46	-	-	-	-	181.10-46	181.11-46	181.12-46	181.13-46	181.14-46	181.15-46
47	-	-	-	-	181.10-47	181.11-47	181.12-47	181.13-47	181.14-47	181.15-47
48	-	-	-	-	181.10-48	181.11-48	181.12-48	181.13-48	181.14-48	181.15-48



**Bend Kuntscher Cloverleaf Nail for Tibia  
STAINLESS STEEL**

Length in cm.	Diameters								
	7 mm	8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm
26	182.07-26	182.08-26	182.09-26	182.10-26	182.11-26	182.12-26	182.13-26	182.14-26	182.15-26
27	182.07-27	182.08-27	182.09-27	182.10-27	182.11-27	182.12-27	182.13-27	182.14-27	182.15-27
28	182.07-28	182.08-28	182.09-28	182.10-28	182.11-28	182.12-28	182.13-28	182.14-28	182.15-28
29	182.07-29	182.08-29	182.09-29	182.10-29	182.11-29	182.12-29	182.13-29	182.14-29	182.15-29
30	182.07-30	182.08-30	182.09-30	182.10-30	182.11-30	182.12-30	182.13-30	182.14-30	182.15-30
31	182.07-31	182.08-31	182.09-31	182.10-31	182.11-31	182.12-31	182.13-31	182.14-31	182.15-31
32	182.07-32	182.08-32	182.09-32	182.10-32	182.11-32	182.12-32	182.13-32	182.14-32	182.15-32
33	182.07-33	182.08-33	182.09-33	182.10-33	182.11-33	182.12-33	182.13-33	182.14-33	182.15-33
34	182.07-34	182.08-34	182.09-34	182.10-34	182.11-34	182.12-34	182.13-34	182.14-34	182.15-34
35	182.07-35	182.08-35	182.09-35	182.10-35	182.11-35	182.12-35	182.13-35	182.14-35	182.15-35
36	182.07-36	182.08-36	182.09-36	182.10-36	182.11-36	182.12-36	182.13-36	182.14-36	182.15-36
37	182.07-37	182.08-37	182.09-37	182.10-37	182.11-37	182.12-37	182.13-37	182.14-37	182.15-37
38	182.07-38	182.08-38	182.09-38	182.10-38	182.11-38	182.12-38	182.13-38	182.14-38	182.15-38
39	182.07-39	182.08-39	182.09-39	182.10-39	182.11-39	182.12-39	182.13-39	182.14-39	182.15-39
40	182.07-40	182.08-40	182.09-40	182.10-40	182.11-40	182.12-40	182.13-40	182.14-40	182.15-40
41	182.07-41	182.08-41	182.09-41	182.10-41	182.11-41	182.12-41	182.13-41	182.14-41	182.15-41
42	182.07-42	182.08-42	182.09-42	182.10-42	182.11-42	182.12-42	182.13-42	182.14-42	182.15-42
43	182.07-43	182.08-43	182.09-43	182.10-43	182.11-43	182.12-43	182.13-43	182.14-43	182.15-43
44	182.07-44	182.08-44	182.09-44	182.10-44	182.11-44	182.12-44	182.13-44	182.14-44	182.15-44

**INSTRUMENTS FOR KUNTSCHER NAILS**

Code No.	Description
384.002	K.Nail Driver
384.004	K.Nail Impactor/Setting Device
384.006	K.Nail Extractor with Two Hooks
384.008	K.Nail Measuring Gauge
384.010	Diamond Pointed Awl



**K.Nail Impactor/Setting Device**  
Code No.: 384.004



**K.Nail Driver**  
Code No.: 384.002

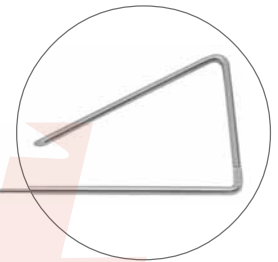


**K.Nail Measuring Gauge**  
Code No.: 384.008



**K. NAIL REAMERS**

Code No.	Size mm
384.020	6
384.022	7
384.024	8
384.026	9
384.028	10
384.030	11
384.032	12
384.034	13
384.036	14



**GUIDE WIRE FOR KUNTSCHER NAILS**

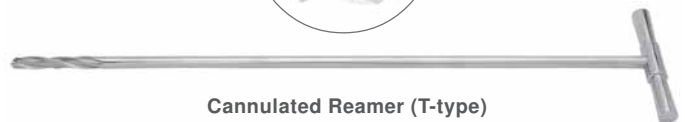
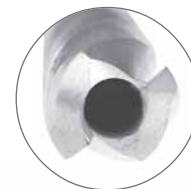
Code No.	Description
384.012	2.5mm for 6 & 7mm Nails
384.014	3.0mm for 8 & 9mm Nails
384.016	4.0mm for 10 & 11mm Nails
384.018	4.5mm for 12 & 13mm Nails



**K.Nail Extractor with Two Hooks**  
Code: 384.006



**Spare Hook for K. Nail Extractor**  
Code No.: 384.040

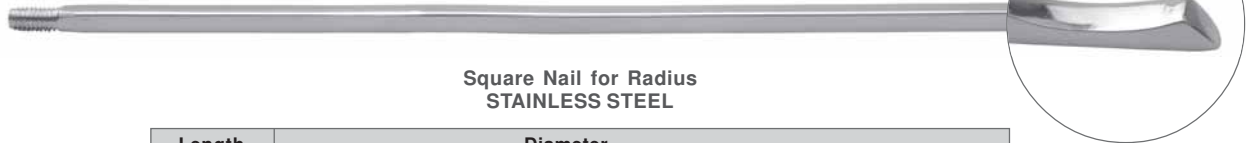


**Cannulated Reamer (T-type)**



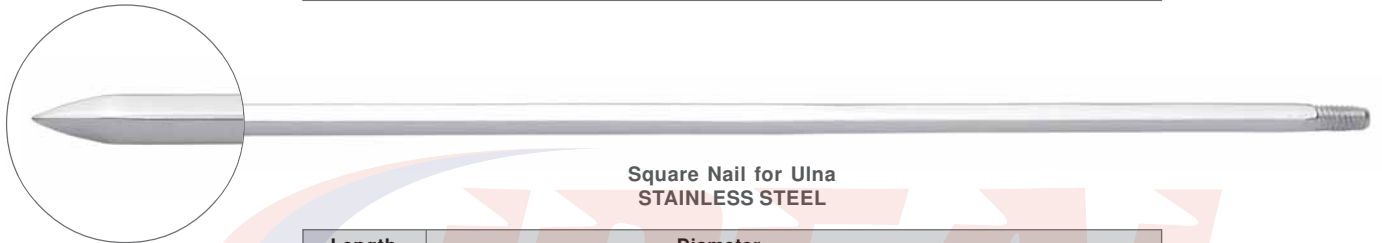
**Diamond Pointed Awl**  
Code No.: 384.010

Code No.	Size
507.96-8	8 mm
507.96-9	9 mm
507.96-10	10 mm
507.96-11	11 mm
507.96-12	12 mm
507.96-13	13 mm
507.96-14	14 mm



Square Nail for Radius  
STAINLESS STEEL

Length in cm.	Diameter					
	1.5 mm	2 mm	2.5 mm	3 mm	3.5 mm	4 mm
17	183.15-17R	183.20-17R	183.25-17R	-	-	-
18	183.15-18R	183.20-18R	183.25-18R	-	-	-
19	183.15-19R	183.20-19R	183.25-19R	-	-	-
20	183.15-20R	183.20-20R	183.25-20R	183.30-20R	183.35-20R	183.40-20R
21	183.15-21R	183.20-21R	183.25-21R	183.30-21R	183.35-21R	183.40-21R
22	183.15-22R	183.20-22R	183.25-22R	183.30-22R	183.35-22R	183.40-22R
23	183.15-23R	183.20-23R	183.25-23R	183.30-23R	183.35-23R	183.40-23R
24	183.15-24R	183.20-24R	183.25-24R	183.30-24R	183.35-24R	183.40-24R
25	183.15-25R	183.20-25R	183.25-25R	183.30-25R	183.35-25R	183.40-25R
26	183.15-26R	183.20-26R	183.25-26R	183.30-26R	183.35-26R	183.40-26R
27	183.15-27R	183.20-27R	183.25-27R	183.30-27R	183.35-27R	183.40-27R
28	183.15-28R	183.20-28R	183.25-28R	183.30-28R	183.35-28R	183.40-28R
29	183.15-29R	183.20-29R	183.25-29R	183.30-29R	183.35-29R	183.40-29R
30	183.15-30R	183.20-30R	183.25-30R	183.30-30R	183.35-30R	183.40-30R



Square Nail for Ulna  
STAINLESS STEEL

Length in cm.	Diameter					
	1.5 mm	2 mm	2.5 mm	3 mm	3.5 mm	4 mm
17	183.15-17U	183.20-17U	183.25-17U	-	-	-
18	183.15-18U	183.20-18U	183.25-18U	-	-	-
19	183.15-19U	183.20-19U	183.25-19U	-	-	-
20	183.15-20U	183.20-20U	183.25-20U	183.30-20U	183.35-20U	183.40-20U
21	183.15-21U	183.20-21U	183.25-21U	183.30-21U	183.35-21U	183.40-21U
22	183.15-22U	183.20-22U	183.25-22U	183.30-22U	183.35-22U	183.40-22U
23	183.15-23U	183.20-23U	183.25-23U	183.30-23U	183.35-23U	183.40-23U
24	183.15-24U	183.20-24U	183.25-24U	183.30-24U	183.35-24U	183.40-24U
25	183.15-25U	183.20-25U	183.25-25U	183.30-25U	183.35-25U	183.40-25U
26	183.15-26U	183.20-26U	183.25-26U	183.30-26U	183.35-26U	183.40-26U
27	183.15-27U	183.20-27U	183.25-27U	183.30-27U	183.35-27U	183.40-27U
28	183.15-28U	183.20-28U	183.25-28U	183.30-28U	183.35-28U	183.40-28U
29	183.15-29U	183.20-29U	183.25-29U	183.30-29U	183.35-29U	183.40-29U
30	183.15-30U	183.20-30U	183.25-30U	183.30-30U	183.35-30U	183.40-30U

☐ INSTRUMENTS FOR SQUARE NAILS



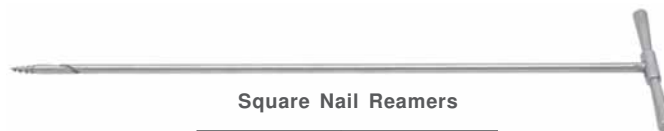
Square Nail Extractor Hook

Code No.	Size
385.020	2 mm
385.022	2.5 mm
385.024	3 mm
385.026	3.5 mm



Impactor for Square Nails

Code No.	Size
385.002	2 mm
385.004	2.5 mm
385.006	3 mm
385.008	3.5 mm



Square Nail Reamers

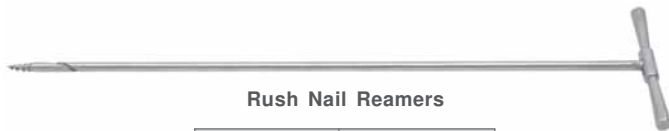
Code No.	Size (Dia.)
385.010	2 mm
385.012	2.5 mm
385.014	3 mm
385.016	3.5 mm
385.018	4 mm



Rush Nails  
STAINLESS STEEL

Length in cm.	Diameters						
	2 mm	2.5 mm	3 mm	3.5 mm	4 mm	5 mm	6 mm
5	186.20-05	-	-	-	-	-	-
6	186.20-06	-	-	-	-	-	-
7	186.20-07	-	-	-	-	-	-
8	186.20-08	-	-	-	-	-	-
9	186.20-09	-	-	-	-	-	-
10	186.20-10	186.25-10	186.30-10	186.35-10	-	-	-
11	186.20-11	186.25-11	186.30-11	186.35-11	-	-	-
12	186.20-12	186.25-12	186.30-12	186.35-12	-	-	-
13	186.20-13	186.25-13	186.30-13	186.35-13	-	-	-
14	186.20-14	186.25-14	186.30-14	186.35-14	-	-	-
15	186.20-15	186.25-15	186.30-15	186.35-15	186.40-15	-	-
16	186.20-16	186.25-16	186.30-16	186.35-16	186.40-16	-	-
17	186.20-17	186.25-17	186.30-17	186.35-17	186.40-17	-	-
18	186.20-18	186.25-18	186.30-18	186.35-18	186.40-18	-	-
19	186.20-19	186.25-19	186.30-19	186.35-19	186.40-19	-	-
20	186.20-20	186.25-20	186.30-20	186.35-20	186.40-20	186.50-20	186.60-20
21	186.20-21	186.25-21	186.30-21	186.35-21	186.40-21	186.50-21	186.60-21
22	186.20-22	186.25-22	186.30-22	186.35-22	186.40-22	186.50-22	186.60-22
23	186.20-23	186.25-23	186.30-23	186.35-23	186.40-23	186.50-23	186.60-23
24	186.20-24	186.25-24	186.30-24	186.35-24	186.40-24	186.50-24	186.60-24
25	186.20-25	186.25-25	186.30-25	186.35-25	186.40-25	186.50-25	186.60-25
26	-	186.25-26	186.30-26	186.35-26	186.40-26	186.50-26	186.60-26
27	-	186.25-27	186.30-27	186.35-27	186.40-27	186.50-27	186.60-27
28	-	186.25-28	186.30-28	186.35-28	186.40-28	186.50-28	186.60-28
29	-	186.25-29	186.30-29	186.35-29	186.40-29	186.50-29	186.60-29
30	-	186.25-30	186.30-30	186.35-30	186.40-30	186.50-30	186.60-30
31	-	-	-	-	186.40-31	186.50-31	186.60-31
32	-	-	-	-	186.40-32	186.50-32	186.60-32
33	-	-	-	-	186.40-33	186.50-33	186.60-33
34	-	-	-	-	186.40-34	186.50-34	186.60-34
35	-	-	-	-	186.40-35	186.50-35	186.60-35
36	-	-	-	-	186.40-36	186.50-36	186.60-36
37	-	-	-	-	186.40-37	186.50-37	186.60-37
38	-	-	-	-	186.40-38	186.50-38	186.60-38
39	-	-	-	-	186.40-39	186.50-39	186.60-39
40	-	-	-	-	186.40-40	186.50-40	186.60-40

INSTRUMENTS FOR RUSH NAILS



Rush Nail Reamers

Code No.	Size (Dia.)
385.105	2 mm
385.106	2.5 mm
385.107	3 mm
385.108	3.5 mm
385.109	4 mm
385.110	5 mm
385.111	6 mm

Code No.	Description
385.120	Rush Nail Extractor

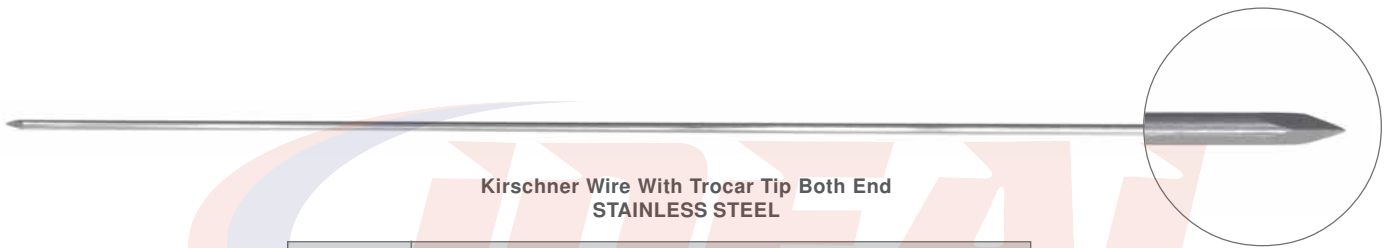


Rush Nail Impactor/Introducer  
Code No.: 385.101



Suture Wire  
STAINLESS STEEL

Code No.	Size
184.216	16 SWG (1.60 mm)
184.217	17 SWG (1.50 mm)
184.218	18 SWG (1.25 mm)
184.219	19 SWG (1.00 mm)
184.220	20 SWG (0.90 mm)
184.221	21 SWG (0.80 mm)
184.222	22 SWG (0.70 mm)
184.223	23 SWG (0.60 mm)
184.224	24 SWG (0.55 mm)
184.226	26 SWG (0.45 mm)
184.228	28 SWG (0.35 mm)
184.230	30 SWG (0.30 mm)



Kirschner Wire With Trocar Tip Both End  
STAINLESS STEEL

Dia. in mm	Length				
	70 mm	100 mm	150 mm	225 mm	300 mm
0.8	185.101	185.102	185.103	-	-
0.9	185.108	185.109	185.110	-	-
1.0	-	185.115	185.116	185.117	-
1.1	-	185.121	185.122	185.123	-
1.2	-	185.126	185.127	185.128	-
1.4	-	185.131	185.132	185.133	-
1.5	-	-	185.140	185.141	185.142
1.6	-	-	185.146	185.147	185.148
1.8	-	-	185.150	185.151	185.152
2.0	-	-	185.156	185.157	185.158
2.2	-	-	185.166	185.167	185.168
2.3	-	-	185.176	185.177	185.178
2.5	-	-	185.186	185.187	185.188
3.0	-	-	185.196	185.197	185.198

Imp. : For good quantity, Kirschner Wire can be made in any dia. and length upon request.



Kirschner Wire - Fully Threaded  
STAINLESS STEEL

Code No.	Dia. mm	Length mm
185.215	1.5	225
185.220	2.0	225
185.225	2.5	225
185.315	1.5	150
185.320	2.0	150
185.325	2.5	150



**Steinmann Pins  
STAINLESS STEEL**

Length in mm	Diameter				
	3 mm	3.5 mm	4 mm	4.5 mm	5 mm
150	187.30-15	187.35-15	187.40-15	187.45-15	187.50-15
175	187.30-17	187.35-17	187.40-17	187.45-17	187.50-17
200	187.30-20	187.35-20	187.40-20	187.45-20	187.50-20
225	187.30-22	187.35-22	187.40-22	187.45-22	187.50-22



**Centrally Threaded Steinmann Pin  
STAINLESS STEEL**

Code No.	Dia. mm	Length mm
188.040	4.0	225
188.045	4.5	225
188.050	5.0	225
188.060	6.0	225



**Austin Moore Pins, 3mm Dia. With 2 Nuts  
STAINLESS STEEL**

Code No.	Length mm
191.001	50
191.002	55
191.003	60
191.004	65
191.005	70
191.006	75
191.007	80
191.008	85
191.009	90
191.010	95
191.011	100
191.012	105
191.013	110
191.014	115
191.015	120
191.016	125
191.017	130
191.018	135
191.019	140
191.020	145
191.021	150



**Knowles Pin  
STAINLESS STEEL**

Code No.	Dia. mm	Length mm
192.001	3	65
192.002	3	70
192.003	3	75
192.004	3	80
192.005	3	85
192.006	3	90
192.007	3	95
192.008	3	100
192.021	4	65
192.022	4	70
192.023	4	75
192.024	4	80
192.025	4	85
192.026	4	90
192.027	4	95
192.028	4	100



**Cerclage Wire With Loop  
STAINLESS STEEL**

Length 280 mm	Dia.	Length 600 mm
193.217	17 SWG (1.5 mm)	193.317
193.218	18 SWG (1.25 mm)	193.318
193.219	19 SWG (1 mm)	193.319
193.220	20 SWG (0.9 mm)	193.320
193.221	21 SWG (0.8 mm)	193.321



**Drummer Wire  
STAINLESS STEEL**

Code	Dia.
193.418	18 SWG (1.25 mm)
193.419	19 SWG (1 mm)
193.420	20 SWG (0.9 mm)



**Staples - U Type  
STAINLESS STEEL**

Dia. in mm	Width		
	15 mm	20 mm	25 mm
1.5	189.101	189.102	189.103
2.0	189.201	189.202	189.203
2.5	189.301	189.302	189.303
3.0	189.401	189.402	189.403

Profile:  
Height: 20 mm



**Staples - Coventry  
STAINLESS STEEL**

Code No.	Description
190.005	5 mm Step
190.010	10 mm Step
190.015	15 mm Step

☐ INSTRUMENTS FOR STAPLES

**INSTRUMENTS FOR  
'U' STAPLES, S.S.**

Code No.	Description
411.015	U Staple Inserter/Impactor
411.020	U Staple Driver
411.025	U Staple Extractor



**U Staple Inserter/Impactor**  
Code No.: 411.015



**U Staple Driver**  
Code No.: 411.020



**U Staple Extractor**  
Code No.: 411.025

**INSTRUMENTS FOR  
COVENTRY STAPLES, S.S.**

Code No.	Description
410.015	Coventry Staple Inserter
410.020	Coventry Staple Impactor
410.025	Coventry Staple Extractor



**Coventry Staple Inserter**  
Code No.: 410.015



**Coventry Staple Impactor**  
Code No.: 410.020



**Coventry Staple Extractor**  
Code No.: 410.025

PINS & WIRE INSTRUMENTS

Code No.	Description
321.010	Wire Twister - Circular
321.020	Wire Tightner with Two Pegs
321.030	Wire Tightner/Twister
321.031	Wire Tightner cum Twister cum Cutter
322.010	K.Wire Introducer
322.030	K. Wire Bender
322.040 to 042	K. Wire Tractor-Small, Medium, Large
323.010 to 030	Wire Passer - Small, Medium, Large
324.010	Plier cum Wire Bender
324.030	Plier cum Wire Bender cum Wire Cutter, 9"
324.040	Plier cum Wire Bender cum Wire Cutter, 11"
324.050	Flat Nose Plier
325.010	T-handle with S.S.Chuck & Key
325.011	S.S.Chuck & Key
325.030 to 050	Steinmann Pin Holder - Small, Medium, Large
325.060 to 090	Steinmann Pin Holder, Extra Large - 14", 16", 18", 20"
326.010	Bone Awl
327.010	Small Heck Saw with two Imported Blades
327.012	Spare Blade for Small Heck Saw
328.000	Tripple Drill Guide 2.0mm
329.000	Long Forceps for Twisting Wire
330.000	Holding Forceps for Circlage Wire
331.000	Circlage Wire Tightner



**Wire Tightner/Twister**  
Code No.: 321.030



**Plier cum Wire Bender cum Wire Cutter**  
Code No.: 324.030



**K - Wire Introducer**  
Code No.: 322.010



**K. Wire Tractor-Small, Medium, Large**  
Code No.: 322.040 to 322.042



**K. Wire Bender**  
Code No.: 322.030



**Wire Passer**  
Code No.: 323.010



**T-Handle with S.S.Chuck & Key**  
Code No.: 325.010



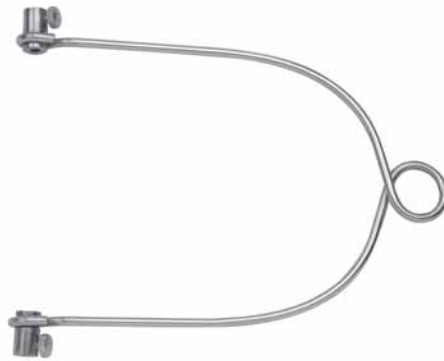
**S.S.Chuck & Key**  
Code No.: 325.011



**Tripple Drill Guide 2.0mm**  
Code No.: 328.000



**Bone Awl with Eye**  
Code No.: 326.010



**Steinmann Pin Holder**  
Code No.: 325.030 to 325.090



**Holding Forceps for Circlage Wire**  
Code No.: 330.000



**Circlage Wire Tightner**  
Code No.: 331.000



**Wire Tightner cum Twister cum Cutter**  
Code No.: 321.031

**WIRE IMPLANTS & INSTRUMENT SET**

Code No.: IS025

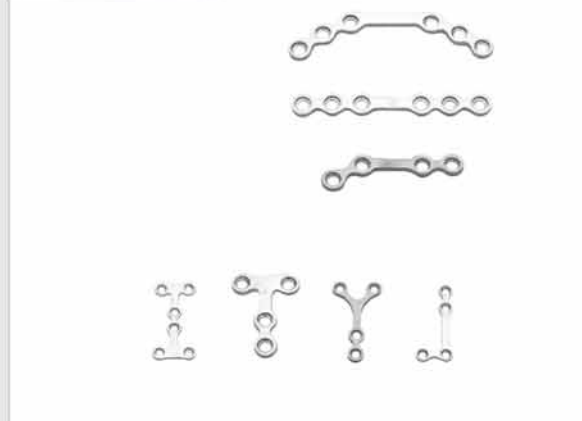
<i>Set Consisting of:</i>		<b>Units</b>
321.030	Wire Tightner Cum Twister .....	1
324.030	Plier cum Wire Bender cum Wire Cutter 9" .....	1
324.010	Plier Cum Wire Bender .....	1
322.030	K.Wire Bender .....	1
323.020	Wire Passer - Medium .....	2
322.010	K.Wire Introducer .....	1
325.010	T- Handle with Chuck (Steinmann Pin Introducer) .....	1
326.010	Bone Awl with Eye .....	1

**IMPLANTS**

185.117	K.Wire Dia 1.0mm, Length 225mm .....	15
185.141	K.Wire Dia 1.5mm, Length 225mm .....	15
185.157	K.Wire Dia 2.0mm, Length 225mm .....	15
185.187	K.Wire Dia 2.5mm, Length 225mm .....	15
185.197	K.Wire Dia 3.0mm, Length 225mm .....	15
184.218	S.S. Wire : 18 SWG ( 2 each ) .....	2
184.220	S.S. Wire : 20 SWG ( 2 each ) .....	2
184.222	S.S. Wire : 22 SWG ( 2 each ) .....	2
187.30-22	Steinmann Pin Dia 3.5, Length 225mm (5 each) .....	5
187.40-22	Steinmann Pin Dia 4.0, Length 225mm (5 each) .....	5
187.45-22	Steinmann Pin Dia 4.5, Length 225mm (5 each) .....	5
400.015	S.S. Box with Two Trays 450mm Long .....	1 Set



- CRANIOFACIAL / MIDFACE
- MANDIBLE
- ORTHOGNATHIC
- CRANIAL / NEURO
- DISTRACTORS



## □ MIDFACE/CRANIOFACIAL IMPLANTS



SCREW, 1.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	60.04	Ti-60.04	61.04	Ti-61.04
5	60.05	Ti-60.05	61.05	Ti-61.05
6	60.06	Ti-60.06	61.06	Ti-61.06
7	60.07	Ti-60.07	61.07	Ti-61.07
8	60.08	Ti-60.08	61.08	Ti-61.08
9	60.09	Ti-60.09	61.09	Ti-61.09
10	60.10	Ti-60.10	61.10	Ti-61.10



SCREW, 1.3MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	63.04	Ti-63.04	64.04	Ti-64.04
5	63.05	Ti-63.05	64.05	Ti-64.05
6	63.06	Ti-63.06	64.06	Ti-64.06
7	63.07	Ti-63.07	64.07	Ti-64.07
8	63.08	Ti-63.08	64.08	Ti-64.08
9	63.09	Ti-63.09	64.09	Ti-64.09
10	63.10	Ti-63.10	64.10	Ti-64.10



SCREW, 1.5MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	01.04	Ti-01.04	08.04	Ti-08.04
5	01.05	Ti-01.05	08.05	Ti-08.05
6	01.06	Ti-01.06	08.06	Ti-08.06
7	01.07	Ti-01.07	08.07	Ti-08.07
8	01.08	Ti-01.08	08.08	Ti-08.08
9	01.09	Ti-01.09	08.09	Ti-08.09
10	01.10	Ti-01.10	08.10	Ti-08.10
11	01.11	Ti-01.11	08.11	Ti-08.11
12	01.12	Ti-01.12	08.12	Ti-08.12



SCREW, 1.8MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	66.04	Ti-66.04	67.04	Ti-67.04
5	66.05	Ti-66.05	67.05	Ti-67.05
6	66.06	Ti-66.06	67.06	Ti-67.06
7	66.07	Ti-66.07	67.07	Ti-67.07
8	66.08	Ti-66.08	67.08	Ti-67.08
9	66.09	Ti-66.09	67.09	Ti-67.09
10	66.10	Ti-66.10	67.10	Ti-67.10
11	66.11	Ti-66.11	67.11	Ti-67.11
12	66.12	Ti-66.12	67.12	Ti-67.12
13	66.13	Ti-66.13	67.13	Ti-67.13
14	66.14	Ti-66.14	67.14	Ti-67.14
15	66.15	Ti-66.15	67.15	Ti-67.15
16	66.16	Ti-66.16	67.16	Ti-67.16



SCREW, 2.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	02.04	Ti-02.04	09.04	Ti-09.04
5	02.05	Ti-02.05	09.05	Ti-09.05
6	02.06	Ti-02.06	09.06	Ti-09.06
7	02.07	Ti-02.07	09.07	Ti-09.07
8	02.08	Ti-02.08	09.08	Ti-09.08
9	02.09	Ti-02.09	09.09	Ti-09.09
10	02.10	Ti-02.10	09.10	Ti-09.10
11	02.11	Ti-02.11	09.11	Ti-09.11
12	02.12	Ti-02.12	09.12	Ti-09.12
13	02.13	Ti-02.13	09.13	Ti-09.13
14	02.14	Ti-02.14	09.14	Ti-09.14
15	02.15	Ti-02.15	09.15	Ti-09.15
16	02.16	Ti-02.16	09.16	Ti-09.16



ORBITAL PLATE CURVED

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	11	24.01	Ti-24.01
1.3	09	24.03	Ti-24.03
1.5	08	24.06	Ti-24.06
1.5	10	24.09	Ti-24.09
1.5	12	24.12	Ti-24.12
2.0	08	24.15	Ti-24.15
2.0	10	24.18	Ti-24.18
2.0	12	24.21	Ti-24.21



Straight Plate with Bridge

No. of Holes	Codes (S.S.)			Codes (Titanium)		
	1.5 mm	2 mm	2.5 mm	1.5 mm	2 mm	2.5 mm
2	26.02	28.02	29.02	Ti-26.02	Ti-28.02	Ti-29.02
4	26.04	28.04	29.04	Ti-26.04	Ti-28.04	Ti-29.04
6	26.06	28.06	29.06	Ti-26.06	Ti-28.06	Ti-29.06
8	26.08	28.08	29.08	Ti-26.08	Ti-28.08	Ti-29.08



Orbital Plate with Bridge

No. of Holes	Codes (S.S.)			Codes (Titanium)		
	1.5 mm	2 mm	2.5 mm	1.5 mm	2 mm	2.5 mm
4	54.04	55.04	56.04	Ti-54.04	Ti-55.04	Ti-56.04
6	54.06	55.06	56.06	Ti-54.06	Ti-55.06	Ti-56.06



L-PLATE, LEFT & RIGHT, OBLIQUE ANGLED

L/H	Dia. in mm	Base Holes	Shaft Holes	Codes	
				S.S.	Titanium
Left	1.0	4	5	41.01L	Ti-41.01L
Right	1.0	4	5	41.01R	Ti-41.01R
Left	1.3	3	3	41.05L	Ti-41.05L
Right	1.3	3	3	41.05R	Ti-41.05R
Left	1.3	3	4	41.09L	Ti-41.09L
Right	1.3	3	4	41.09R	Ti-41.09R
Left	1.5	2	3	41.13L	Ti-41.13L
Right	1.5	2	3	41.13R	Ti-41.13R
Left	1.5	3	3	41.17L	Ti-41.17L
Right	1.5	3	3	41.17R	Ti-41.17R
Left	1.5	3	4	41.21L	Ti-41.21L
Right	1.5	3	4	41.21R	Ti-41.21R
Left	2.0	2	3	41.25L	Ti-41.25L
Right	2.0	2	3	41.25R	Ti-41.25R
Left	2.0	3	4	41.29L	Ti-41.29L
Right	2.0	3	4	41.29R	Ti-41.29R
Left	2.0	4	6	41.33L	Ti-41.33L
Right	2.0	4	6	41.33R	Ti-41.33R



L-PLATE, LEFT & RIGHT

L/H	Dia. in mm	Base Holes	Shaft Holes	Codes	
				S.S.	Titanium
Left	1.0	4	5	40.01L	Ti-40.01L
Right	1.0	4	5	40.01R	Ti-40.01R
Left	1.3	3	3	40.05L	Ti-40.05L
Right	1.3	3	3	40.05R	Ti-40.05R
Left	1.3	3	4	40.09L	Ti-40.09L
Right	1.3	3	4	40.09R	Ti-40.09R
Left	1.5	2	3	40.13L	Ti-40.13L
Right	1.5	2	3	40.13R	Ti-40.13R
Left	1.5	3	3	40.17L	Ti-40.17L
Right	1.5	3	3	40.17R	Ti-40.17R
Left	1.5	3	4	40.21L	Ti-40.21L
Right	1.5	3	4	40.21R	Ti-40.21R
Left	2.0	2	3	40.25L	Ti-40.25L
Right	2.0	2	3	40.25R	Ti-40.25R
Left	2.0	3	4	40.29L	Ti-40.29L
Right	2.0	3	4	40.29R	Ti-40.29R
Left	2.0	4	6	40.33L	Ti-40.33L
Right	2.0	4	6	40.33R	Ti-40.33R



T PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	5	5	42.03	Ti-42.03
1.0	5	7	42.06	Ti-42.06
1.3	3	4	42.09	Ti-42.09



Y PLATE

Dia. in mm	Arm Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	4	5	43.02	Ti-43.02
1.0	6	7	43.04	Ti-43.04
1.3	2	3	43.06	Ti-43.06
1.5	2	3	43.08	Ti-43.08
2.0	1+1	3	43.10	Ti-43.10
2.0	2+2	4	43.12	Ti-43.12



ADAPTION PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	34	32.01	Ti-32.01
1.3	6	32.03	Ti-32.03
1.3	8	32.06	Ti-32.06
1.3	24	32.09	Ti-32.09
1.5	6	32.12	Ti-32.12
1.5	8	32.15	Ti-32.15
1.5	20	32.18	Ti-32.18
2.0	6	32.21	Ti-32.21
2.0	8	32.24	Ti-32.24
2.0	20	32.27	Ti-32.27



Continuous Hole Plate

No. of Holes	Codes (S.S.)			Codes (Titanium)		
	1.5 mm	2 mm	2.5 mm	1.5 mm	2 mm	2.5 mm
4	15.04	20.04	25.04	Ti-15.04	Ti-20.04	Ti-25.04
6	15.06	20.06	25.06	Ti-15.06	Ti-20.06	Ti-25.06
8	15.08	20.08	25.08	Ti-15.08	Ti-20.08	Ti-25.08
10	15.10	20.10	25.10	Ti-15.10	Ti-20.10	Ti-25.10
12	15.12	20.12	25.12	Ti-15.12	Ti-20.12	Ti-25.12
14	15.14	20.14	25.14	Ti-15.14	Ti-20.14	Ti-25.14
16	15.16	20.16	25.16	Ti-15.16	Ti-20.16	Ti-25.16
18	15.18	20.18	25.18	Ti-15.18	Ti-20.18	Ti-25.18
20	15.20	20.20	25.20	Ti-15.20	Ti-20.20	Ti-25.20
22	15.22	20.22	25.22	Ti-15.22	Ti-20.22	Ti-25.22
24	15.24	20.24	25.24	Ti-15.24	Ti-20.24	Ti-25.24



MINI H-PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	11	69.01	Ti-69.01
1.3	11	69.04	Ti-69.04
1.5	8	69.07	Ti-69.07
1.5	9	69.10	Ti-69.10
2.0	8	69.13	Ti-69.13
2.0	9	69.16	Ti-69.16



MESH PLATE, 1.5MM

Size in mm.	Codes	
	S.S.	Titanium
40 x 40	59.40	Ti-59.40
50 x 50	59.50	Ti-59.50
75 x 75	59.75	Ti-59.75
100 x 100	59.100	Ti-59.100
100 x 150	59.115	Ti-59.115
150 x 150	59.150	Ti-59.150
200 x 200	59.200	Ti-59.200



DOUBLE Y PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	2/2	2	44.02	Ti-44.02
1.3	2/2	2	44.04	Ti-44.04
1.3	2/2	2	44.06	Ti-44.06
1.3	2/2	2	44.08	Ti-44.08
1.5	2/2	2	44.10	Ti-44.10
1.5	2/2	2	44.12	Ti-44.12
2.0	4/4	-	44.14	Ti-44.14
2.0	2/2	4	44.16	Ti-44.16



X-PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	5	45.01	Ti-45.01
1.3	4	45.05	Ti-45.05
1.5	4	45.09	Ti-45.09
2.0	4	45.13	Ti-45.13



SQUARE FRAME PLATES

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
1.3	4	13x13	47.01	Ti-47.01
1.5	4	14x14	47.05	Ti-47.05



Z-PLATE, LEFT & RIGHT

Dia. in mm	No. of Holes	Size in mm	Codes - for Left		Codes - for Right	
			S.S.	Titanium	S.S.	Titanium
1.5	4	20 x 18	46.15L	Ti-46.15L	46.15R	Ti-46.15R
2.0	4	20 x 18	46.20L	Ti-46.20L	46.20R	Ti-46.20R
2.0	4	26 x 18	46.25L	Ti-46.25L	46.25R	Ti-46.25R



Nose Plate, X shape, 10 Holes

Dia. in mm.	Codes	
	S.S.	Titanium
1.5	10.15	Ti-10.15
2.0	10.20	Ti-10.20
2.5	10.25	Ti-10.25



RECTANGULAR FRAME PLATES

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
1.3	4	13x8	48.01	Ti-48.01
1.5	4	16x10	48.05	Ti-48.05



Nose Plate, 12 Holes

Dia. in mm.	Codes	
	S.S.	Titanium
1.5	12.15	Ti-12.15
2.0	12.20	Ti-12.20
2.5	12.25	Ti-12.25



MAXILLA PLATE - LEFT & RIGHT, 1.5MM DIA.

Lengthening in mm.	Codes - for Left		Codes - for Right	
	S.S.	Titanium	S.S.	Titanium
3	49.03L	Ti-49.03L	49.03R	Ti-49.03R
5	49.05L	Ti-49.05L	49.05R	Ti-49.05R
7	49.07L	Ti-49.07L	49.07R	Ti-49.07R
9	49.09L	Ti-49.09L	49.09R	Ti-49.09R
11	49.11L	Ti-49.11L	49.11R	Ti-49.11R

☐ MANDIBLE IMPLANTS



SCREW, 2.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	02.04	Ti-02.04	09.04	Ti-09.04
6	02.06	Ti-02.06	09.06	Ti-09.06
8	02.08	Ti-02.08	09.08	Ti-09.08
10	02.10	Ti-02.10	09.10	Ti-09.10
12	02.12	Ti-02.12	09.12	Ti-09.12
14	02.14	Ti-02.14	09.14	Ti-09.14
16	02.16	Ti-02.16	09.16	Ti-09.16
18	02.18	Ti-02.18	09.18	Ti-09.18



SCREW, 2.3MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	06.04	Ti-06.04	22.04	Ti-22.04
6	06.06	Ti-06.06	22.06	Ti-22.06
8	06.08	Ti-06.08	22.08	Ti-22.08
10	06.10	Ti-06.10	22.10	Ti-22.10
12	06.12	Ti-06.12	22.12	Ti-22.12
14	06.14	Ti-06.14	22.14	Ti-22.14
16	06.16	Ti-06.16	22.16	Ti-22.16
18	06.18	Ti-06.18	22.18	Ti-22.18



SCREW, 2.5MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	03.04	Ti-03.04	21.04	Ti-21.04
6	03.06	Ti-03.06	21.06	Ti-21.06
8	03.08	Ti-03.08	21.08	Ti-21.08
10	03.10	Ti-03.10	21.10	Ti-21.10
12	03.12	Ti-03.12	21.12	Ti-21.12
14	03.14	Ti-03.14	21.14	Ti-21.14
16	03.16	Ti-03.16	21.16	Ti-21.16
18	03.18	Ti-03.18	21.18	Ti-21.18
20	03.20	Ti-03.20	21.20	Ti-21.20



SCREW, 2.7MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	04.04	Ti-04.04	23.04	Ti-23.04
6	04.06	Ti-04.06	23.06	Ti-23.06
8	04.08	Ti-04.08	23.08	Ti-23.08
10	04.10	Ti-04.10	23.10	Ti-23.10
12	04.12	Ti-04.12	23.12	Ti-23.12
14	04.14	Ti-04.14	23.14	Ti-23.14
16	04.16	Ti-04.16	23.16	Ti-23.16
18	04.18	Ti-04.18	23.18	Ti-23.18
20	04.20	Ti-04.20	23.20	Ti-23.20
22	04.22	Ti-04.22	23.22	Ti-23.22
24	04.24	Ti-04.24	23.24	Ti-23.24



MANDIBLE PLATE

Dia. in mm	No. of Holes	Length in mm	Codes	
			S.S.	Titanium
2.0	4	23	85.01	Ti-85.01
2.0	8	35	85.03	Ti-85.03
2.0	20	119	85.06	Ti-85.06



MANDIBLE PLATE WITH CENTRE SPACE

Dia. in mm	No. of Holes	Length in mm	Codes	
			S.S.	Titanium
2.0	2	16	86.01	Ti-86.01
2.0	4	28	86.03	Ti-86.03
2.0	6	40	86.06	Ti-86.06



MANDIBLE PLATE WITH DYNAMIC COMPRESSION HOLES

Dia. in mm	No. of Holes	Length in mm	Codes	
			S.S.	Titanium
2.5	4	24	87.01	Ti-87.01
2.5	8	36	87.03	Ti-87.03
2.5	20	120	87.06	Ti-87.06



MANDIBLE PLATE 2.0 MM CURVED, BROAD CENTRE

Holes	S.S.	Titanium
4	88.04	Ti-88.04
6	88.06	Ti-88.06
20	88.20	Ti-88.20



MANDIBLE PLATE 2.0 MM 70° TWISTED

Type	S.S.	Titanium
Left	89.01L	Ti-89.01L
Right	89.01R	Ti-89.01R



SPLITFIX PLATE 2.0 MM

Length mm	S.S.	Titanium
33	68.33	Ti-68.33
40	68.40	Ti-68.40



CHIN PLATE 2.0, STRAIGHT

Length mm	Offset mm	Code	
		S.S.	Titanium
17	5	70.01	Ti-70.01
20	8	70.03	Ti-70.03



CHIN PLATE 2.0, DOUBLE CURVED

Length mm	Offset mm	Code	
		S.S.	Titanium
5	4	72.01	Ti-72.01
5	6	72.03	Ti-72.03
5	8	72.06	Ti-72.06
5	10	72.09	Ti-72.09



TENSION BAND PLATE

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
2	4	22	75.01	Ti-75.01
2	4	25	75.03	Ti-75.03
2	6	35	75.06	Ti-75.06
2.5	4	23	75.21	Ti-75.21
2.5	4	26	75.23	Ti-75.23
2.5	6	36	75.26	Ti-75.26



UNIVERSAL FRACTURE PLATE STRAIGHT

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
2	8	64	77.01	Ti-77.01
2	10	80	77.03	Ti-77.03
2	24	192	77.05	Ti-77.05
2.5	8	65	77.21	Ti-77.21
2.5	10	81	77.23	Ti-77.23
2.5	24	193	77.25	Ti-77.25



ADAPTION PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	34	32.01	Ti-32.01
1.3	6	32.03	Ti-32.03
1.3	8	32.06	Ti-32.06
1.3	24	32.09	Ti-32.09
1.5	6	32.12	Ti-32.12
1.5	8	32.15	Ti-32.15
1.5	20	32.18	Ti-32.18
2.0	6	32.21	Ti-32.21
2.0	8	32.24	Ti-32.24
2.0	20	32.27	Ti-32.27



CHIN PLATE 2.0, SINGLE CURVED

Length mm	Offset mm	Code	
		S.S.	Titanium
17	3-5	71.02	Ti-71.02
20	6-8	71.06	Ti-71.06
23	9-11	71.08	Ti-71.08



DCP 2.0, ANGLED

No. of Holes	Code	
	S.S.	Titanium
4+4	73.01	Ti-73.01
3+3	73.03	Ti-73.03



TENSION BAND PALTE WITH DYNAMIC COMPRESSION HOLES

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
2	4	26	76.01	Ti-76.01
2	6	36	76.03	Ti-76.03
2.5	4	27	76.21	Ti-76.21
2.5	6	37	76.23	Ti-76.23



UNIVERSAL FRACTURE PLATE 2.5MM, ANGLED

Dia. in mm	No. of Holes	Type L/R	Codes	
			S.S.	Titanium
6+4	50/34	Left	78.01L	Ti-78.01L
6+4	50/34	Right	78.01R	Ti-78.01R
21+6	170/50	Left	78.03L	Ti-78.03L
21+6	170/50	Right	78.01R	Ti-78.01R



UNILOCK RECONSTRUCTION  
PLATE 2.5MM

No. of Holes	Length mm	Code	
		S.S.	Titanium
12	96	80.12	Ti-80.12
14	112	80.14	Ti-80.14
20	160	80.20	Ti-80.20
24	192	80.24	Ti-80.24



UNILOCK RECONSTRUCTION  
PLATE 2.5MM, ANGLED

No. of Holes	Length mm	Type L/R	Codes	
			S.S.	Titanium
13+5	110/40	Left	81.01L	Ti-81.01L
13+5	110/40	Right	81.01R	Ti-81.01R
21+6	170/50	Left	81.03L	Ti-81.03L
21+6	170/50	Right	81.03R	Ti-81.03R



UNILOCK RECONSTRUCTION  
PLATE 2.5MM, DOUBLE ANGLED

No. of Holes	Length mm	Codes	
		S.S.	Titanium
4+20+4	33/162/33	82.01	Ti-82.01
5+22+5	41/178/41	82.04	Ti-82.04
6+24+6	49/194/49	82.08	Ti-82.08
4+20+4	33/162/33	82.21	Ti-82.21
5+22+5	41/178/41	82.24	Ti-82.24
6+24+6	49/194/49	82.28	Ti-82.28



SQUARE FRAME PLATES

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
1.3	4	13x13	47.01	Ti-47.01
1.5	4	14x14	47.05	Ti-47.05



RECTANGULAR FRAME PLATES

Dia. in mm	No. of Holes	Size in mm	Codes	
			S.S.	Titanium
1.3	4	13x8	48.01	Ti-48.01
1.5	4	16x10	48.05	Ti-48.05



Reconstruction Plate, 2.7mm

No. of Holes	Codes	
	S.S.	Titanium
4	27.04	Ti-27.04
6	27.06	Ti-27.06
8	27.08	Ti-27.08
10	27.10	Ti-27.10
12	27.12	Ti-27.12
14	27.14	Ti-27.14
16	27.16	Ti-27.16
18	27.18	Ti-27.18
20	27.20	Ti-27.20
22	27.22	Ti-27.22
24	27.24	Ti-27.24
26	27.26	Ti-27.26
28	27.28	Ti-27.28
30	27.30	Ti-27.30
32	27.32	Ti-27.32
34	27.34	Ti-27.34
36	27.36	Ti-27.36
38	27.38	Ti-27.38
40	27.40	Ti-27.40
42	27.42	Ti-27.42
44	27.44	Ti-27.44
46	27.46	Ti-27.46
48	27.48	Ti-27.48
50	27.50	Ti-27.50



Unilock Plate 2.7mm,  
Right Angled, 150°

No. of Holes	Codes	
	S.S.	Titanium
12	36.12R	Ti-36.12R
14	36.14R	Ti-36.14R
16	36.16R	Ti-36.16R
18	36.18R	Ti-36.18R
20	36.20R	Ti-36.20R



Unilock Plate 2.7mm,  
Left Angled, 150°

No. of Holes	Codes	
	S.S.	Titanium
12	36.12L	Ti-36.12L
14	36.14L	Ti-36.14L
16	36.16L	Ti-36.16L
18	36.18L	Ti-36.18L
20	36.20L	Ti-36.20L

□ ORTHOGNATHICS IMPLANTS



CHIN PLATE 2.0, STRAIGHT

Length mm	Offset mm	Code	
		S.S.	Titanium
17	5	70.01	Ti-70.01
20	8	70.03	Ti-70.03



CHIN PLATE 2.0, SINGLE CURVED

Length mm	Offset mm	Code	
		S.S.	Titanium
17	3-5	71.02	Ti-71.02
20	6-8	71.06	Ti-71.06
23	9-11	71.08	Ti-71.08



T PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	5	5	42.03	Ti-42.03
1.0	5	7	42.06	Ti-42.06
1.3	3	4	42.09	Ti-42.09



CHIN PLATE 2.0, DOUBLE CURVED

Length mm	Offset mm	Code	
		S.S.	Titanium
5	4	72.01	Ti-72.01
5	6	72.03	Ti-72.03
5	8	72.06	Ti-72.06
5	10	72.09	Ti-72.09



X-PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	5	45.01	Ti-45.01
1.3	4	45.05	Ti-45.05
1.5	4	45.09	Ti-45.09
2.0	4	45.13	Ti-45.13



Y PLATE

Dia. in mm	Arm Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	4	5	43.02	Ti-43.02
1.0	6	7	43.04	Ti-43.04
1.3	2	3	43.06	Ti-43.06
1.5	2	3	43.08	Ti-43.08
2.0	1+1	3	43.10	Ti-43.10
2.0	2+2	4	43.12	Ti-43.12



L-PLATE, LEFT & RIGHT, OBLIQUE ANGLED

L/H	Dia. in mm	Base Holes	Shaft Holes	Codes	
				S.S.	Titanium
Left	1.0	4	5	41.01L	Ti-41.01L
Right	1.0	4	5	41.01R	Ti-41.01R
Left	1.3	3	3	41.05L	Ti-41.05L
Right	1.3	3	3	41.05R	Ti-41.05R
Left	1.3	3	4	41.09L	Ti-41.09L
Right	1.3	3	4	41.09R	Ti-41.09R
Left	1.5	2	3	41.13L	Ti-41.13L
Right	1.5	2	3	41.13R	Ti-41.13R
Left	1.5	3	3	41.17L	Ti-41.17L
Right	1.5	3	3	41.17R	Ti-41.17R
Left	1.5	3	4	41.21L	Ti-41.21L
Right	1.5	3	4	41.21R	Ti-41.21R
Left	2.0	2	3	41.25L	Ti-41.25L
Right	2.0	2	3	41.25R	Ti-41.25R
Left	2.0	3	4	41.29L	Ti-41.29L
Right	2.0	3	4	41.29R	Ti-41.29R
Left	2.0	4	6	41.33L	Ti-41.33L
Right	2.0	4	6	41.33R	Ti-41.33R



L-PLATE, LEFT & RIGHT

L/H	Dia. in mm	Base Holes	Shaft Holes	Codes	
				S.S.	Titanium
Left	1.0	4	5	40.01L	Ti-40.01L
Right	1.0	4	5	40.01R	Ti-40.01R
Left	1.3	3	3	40.05L	Ti-40.05L
Right	1.3	3	3	40.05R	Ti-40.05R
Left	1.3	3	4	40.09L	Ti-40.09L
Right	1.3	3	4	40.09R	Ti-40.09R
Left	1.5	2	3	40.13L	Ti-40.13L
Right	1.5	2	3	40.13R	Ti-40.13R
Left	1.5	3	3	40.17L	Ti-40.17L
Right	1.5	3	3	40.17R	Ti-40.17R
Left	1.5	3	4	40.21L	Ti-40.21L
Right	1.5	3	4	40.21R	Ti-40.21R
Left	2.0	2	3	40.25L	Ti-40.25L
Right	2.0	2	3	40.25R	Ti-40.25R
Left	2.0	3	4	40.29L	Ti-40.29L
Right	2.0	3	4	40.29R	Ti-40.29R
Left	2.0	4	6	40.33L	Ti-40.33L
Right	2.0	4	6	40.33R	Ti-40.33R



Z-PLATE, LEFT & RIGHT

Dia. in mm	No. of Holes	Size in mm	Codes - for Left		Codes - for Right	
			S.S.	Titanium	S.S.	Titanium
1.5	4	20 x 18	46.15L	Ti-46.15L	46.15R	Ti-46.15R
2.0	4	20 x 18	46.20L	Ti-46.20L	46.20R	Ti-46.20R
2.0	4	26 x 18	46.25L	Ti-46.25L	46.25R	Ti-46.25R

☐ NEURO IMPLANTS



SCREW, 1.5MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	01.04	Ti-01.04	08.04	Ti-08.04
5	01.05	Ti-01.05	08.05	Ti-08.05
6	01.06	Ti-01.06	08.06	Ti-08.06
7	01.07	Ti-01.07	08.07	Ti-08.07
8	01.08	Ti-01.08	08.08	Ti-08.08
9	01.09	Ti-01.09	08.09	Ti-08.09
10	01.10	Ti-01.10	08.10	Ti-08.10
11	01.11	Ti-01.11	08.11	Ti-08.11
12	01.12	Ti-01.12	08.12	Ti-08.12



SCREW, 2.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	02.04	Ti-02.04	09.04	Ti-09.04
5	02.05	Ti-02.05	09.05	Ti-09.05
6	02.06	Ti-02.06	09.06	Ti-09.06
7	02.07	Ti-02.07	09.07	Ti-09.07
8	02.08	Ti-02.08	09.08	Ti-09.08
9	02.09	Ti-02.09	09.09	Ti-09.09
10	02.10	Ti-02.10	09.10	Ti-09.10
11	02.11	Ti-02.11	09.11	Ti-09.11
12	02.12	Ti-02.12	09.12	Ti-09.12
13	02.13	Ti-02.13	09.13	Ti-09.13
14	02.14	Ti-02.14	09.14	Ti-09.14
15	02.15	Ti-02.15	09.15	Ti-09.15
16	02.16	Ti-02.16	09.16	Ti-09.16



SCREW, 1.3MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	63.04	Ti-63.04	64.04	Ti-64.04
5	63.05	Ti-63.05	64.05	Ti-64.05
6	63.06	Ti-63.06	64.06	Ti-64.06
7	63.07	Ti-63.07	64.07	Ti-64.07
8	63.08	Ti-63.08	64.08	Ti-64.08
9	63.09	Ti-63.09	64.09	Ti-64.09
10	63.10	Ti-63.10	64.10	Ti-64.10



ADAPTION PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	34	32.01	Ti-32.01
1.3	6	32.03	Ti-32.03
1.3	8	32.06	Ti-32.06
1.3	24	32.09	Ti-32.09
1.5	6	32.12	Ti-32.12
1.5	8	32.15	Ti-32.15
1.5	20	32.18	Ti-32.18
2.0	6	32.21	Ti-32.21
2.0	8	32.24	Ti-32.24
2.0	20	32.27	Ti-32.27



DOUBLE Y PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	2/2	2	44.02	Ti-44.02
1.3	2/2	2	44.04	Ti-44.04
1.3	2/2	2	44.06	Ti-44.06
1.3	2/2	2	44.08	Ti-44.08
1.5	2/2	2	44.10	Ti-44.10
1.5	2/2	2	44.12	Ti-44.12
2.0	4/4	-	44.14	Ti-44.14
2.0	2/2	4	44.16	Ti-44.16

IDEAL SURGICAL



Y PLATE

Dia. in mm	Arm Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.0	4	5	43.02	Ti-43.02
1.0	6	7	43.04	Ti-43.04
1.3	2	3	43.06	Ti-43.06
1.5	2	3	43.08	Ti-43.08
2.0	1+1	3	43.10	Ti-43.10
2.0	2+2	4	43.12	Ti-43.12



MESH PLATE, 1.5MM

Size in mm.	Codes	
	S.S.	Titanium
40 x 40	59.40	Ti-59.40
50 x 50	59.50	Ti-59.50
75 x 75	59.75	Ti-59.75
100 x 100	59.100	Ti-59.100
100 x 150	59.115	Ti-59.115
150 x 150	59.150	Ti-59.150
200 x 200	59.200	Ti-59.200



X-PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	5	45.01	Ti-45.01
1.3	4	45.05	Ti-45.05
1.5	4	45.09	Ti-45.09
2.0	4	45.13	Ti-45.13



## ☐ NEURO IMPLANTS



**SQUARE FRAME PLATE**

Dia mm	No. of Holes	Size mm	Codes	
			S.S.	Titanium
1.3	4	13x13	47.01	Ti-47.01
1.3	4	14x14	47.02	Ti-47.02
1.3	4	15x15	47.03	Ti-47.03
1.3	4	16x16	47.04	Ti-47.04
1.5	4	14x14	47.05	Ti-47.05
1.5	4	15x15	47.06	Ti-47.06
1.5	4	16x16	47.07	Ti-47.07
1.5	4	17x17	47.08	Ti-47.08



**RECTANGULAR FRAME PLATE**

Dia mm	No. of Holes	Size mm	Codes	
			S.S.	Titanium
1.3	4	13x8	48.01	Ti-48.01
1.3	4	13x16	48.02	Ti-48.02
1.3	4	10x16	48.03	Ti-48.03
1.3	4	10x17	48.04	Ti-48.04
1.5	4	10x16	48.05	Ti-48.05
1.5	4	13x8	48.06	Ti-48.06
1.5	4	13x16	48.07	Ti-48.07
1.5	4	10x17	48.08	Ti-48.08



**STRUT PLATE**

Dia mm	No. of Holes	Length mm	Codes	
			S.S.	Titanium
1.3	2x3	14x24	92.01	Ti-92.01
1.3	2x4	14x34	92.03	Ti-92.03
1.5	2x3	14x24	92.11	Ti-92.11
1.5	2x4	14x34	92.13	Ti-92.13
2.0	2x3	14x24	92.21	Ti-92.21
2.0	2x4	14x34	92.23	Ti-92.23



**CRANIAL PLATE STRAIGHT WITH CENTER SPACE**

Dia. mm	No. of Holes	Code	
		S.S.	Titanium
1.3	4	91.01	Ti-91.01
1.3	6	91.03	Ti-91.03
1.5	4	91.11	Ti-91.11
1.5	6	91.13	Ti-91.13
2.0	4	91.21	Ti-91.21
2.0	6	91.23	Ti-91.23

## ☐ DISTRACTORS



**ANTERIOR FOOT PLATE**

Type L/R	Height mm	Code	
		S.S.	Titanium
Left	6	93.02L	Ti-93.02L
Right	6	93.02R	Ti-93.02R
Left	10	93.06L	Ti-93.06L
Right	10	93.06R	Ti-93.06R
Left	14	93.50L	Ti-93.50L
Right	14	93.50R	Ti-93.50R



**POSTERIOR FOOT PLATE**

Offset mm	Height mm	Code	
		S.S.	Titanium
7	15	94.42L	Ti-94.42L
7	20	94.42R	Ti-94.42R
7	25	94.46L	Ti-94.46L
12	15	94.46R	Ti-94.46R
12	20	94.50L	Ti-94.50L
12	25	94.50R	Ti-94.50R



**ALVEOLAR DISTRACTOR**

Distraction L mm	Code	
	S.S.	Titanium
8	96.01	Ti-96.01
12	96.11	Ti-96.11
16	96.21	Ti-96.21



**External Mini Distractor for Mandible Bi-Directional**  
Code No.: 97.01



**Intraoral Mini Distractor for Mandible - Right & Left**  
Code No.: 97.11L & 97.11R



**Mcindoe Retractor**  
Code No.: 97.21

□ BASIC BONE PLATING INSTRUMENTS



**Cross Slotted Screw Driver with Holding Sleeves with 3 blades**  
Code No.: 90.01



**Bone Elevators - Hohman Type 6mm & 8mm**  
Code No.: 90.03



**Mini Bone Drill with 3 Collects in Fibre Handle**  
Code No.: 90.06



**Plate Holder Fork**  
Code No.: 90.09



**Cross Slotted Screw Dive with Holding Sleeves with 3 Blades - Full**  
Code No.: 90.12



**Depth Gauge for 1.5, 2 & 2.5mm Screws**  
Code No.: 90.15



**Plate Bending Forceps - Modified**  
Code No.: 90.18



**Bone Holding Forceps**  
Code No.: 90.21



**Modelling Lever**  
Code No.: 90.24



**Plier**  
Code No.: 90.27



**Self Holding Screw Driver for Slotted Head Screws**  
Code No.: 90.30



**Ordinary Screw Driver**  
Code No.: 90.33



**Transbuccal Device with Trocar & Cheek Retractor for Drilling & Screwing**  
Code No.: 90.36



**Basic Instrument Set**  
Code No.: 90.39



**Implants Set**  
Code No.: 90.42



BONE AWLS & HOOKS



**Zygomatic Bone Awl with fibre Handle**  
Code No.: 90.45



**Stacey Zygomatic Bone Hook**  
Code No.: 90.48



**Kelsey Fry Bone Awl with Eye (Straight & Angular)**  
Code No.: 90.51



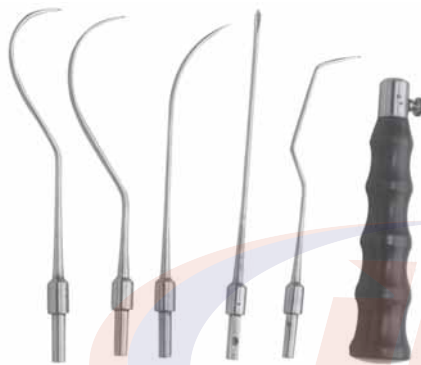
**Kilner Skin Hook**  
Code No.: 90.54



**Poswillo Malar Hook**  
Code No.: 90.57



**Kelsey Fry Bone Awl with Eye in Fibre Handle**  
Code No.: 90.60



**Mandibular Awl - Set of 5**  
Code No.: 90.63



**Double Hook Retractor**  
Code No.: 96.61



**Double Skin Hook (Mcindoe)**  
Code No.: 96.50



**Skin Hook with Round Handle & Flat Handle**  
Code No.: 96.66

BONE HOLDING FORCEPS



**Walsham Nasal Septum Forceps, Right & Left**  
Code No.: 90.69



**TMJ Spreading Forceps, Double Action**  
Code No.: 90.72



**Rowe's Maxilla Disimpaction Clamps, Right or Left in Pair**  
Code No.: 90.75



**Maxillary Fracture Reduction Forceps**  
Code No.: 90.78



**Maxillary Bone Graft Holder**  
Code No.: 90.81



**Hyton William Forceps, Forward Traction**  
Code No.: 90.84



**Hyton William Forceps, Downward Traction**  
Code No.: 90.87



**Chin Segment Forceps**  
Code No.: 90.90



**Bone Holding Reduction Clamp Serrated with Ratchet**  
Code No.: 90.93

BONE HOLDING FORCEPS



**Bone Holding Forceps\_pointed**  
Code No.: 90.96



**Bone & Plate Holding Forceps  
Guarded Point Right & Left - Pair**  
Code No.: 90.99



**Asch Nasal Septum Forceps,  
Small & Big**  
Code No.: 90.102

CLEFT PALATE INSTRUMENTS



**Right Angle Retractor**  
Code No.: 90.111



**Mitchell Trimmer Double Ended**  
Code No.: 90.114



**Miller Bone File  
Double Ended - Straight**  
Code No.: 90.117



**Miller Bone File  
Double Ended - Curved**  
Code No.: 90.120



**McIndoe Cleft Palate Respiratory**  
Code No.: 90.123



**Double Ended Retractor  
Angled to Right & Left**  
Code No.: 90.126



**Double Ended Elevator with Hook**  
Code No.: 90.129



**Cronin Cleft Palate Elevator**  
Code No.: 90.132



**Cleft Palate Hook\_Down Bent**  
Code No.: 90.135



**Cleft Palate Respiratory - Curved  
Upward-Downward**  
Code No.: 90.138



**Root Tip Elevator**  
Code No.: 90.141



**Barsky Pharyngeal Flap Elevator**  
Code No.: 90.144

OSTEOTOMES, CHISELS, GOUGES, STRIPPERS



**Ward Osteotome**  
Code No.: 90.150



**Rhyno Wall Osteotome**  
Code No.: 90.153



**Nasal Septum Osteotome  
with Guard - U Shape**  
Code No.: 90.156



**Nasal Chisel with Guard**  
Code No.: 159



**Mini Osteotome**  
Code No.: 90.162



☐ DISSECTOR, ELEVATORS, PROBES



**Warwick James Elevator  
Left & Right**  
Code No.: 90.170



**Coupland Elevator  
with Fibre Handle**  
Code No.: 90.173



**Bone Elevator**  
Code No.: 90.176



**Periosteal Elevator with Fibre Handle  
2 Different Shapes**  
Code No.: 90.179



**Palate Dissector - Right & Left in Pair  
with Fibre Handle**  
Code No.: 90.182



**Cryer Elevator  
Right & Left Hollow Handle**  
Code No.: 90.185



**Key's Fine Elevator**  
Code No.: 90.188



**Ward Periosteal Elevator  
Fan Shapped**  
Code No.: 90.191



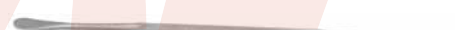
**Malar Elevator - Blunt 8mm**  
Code No.: 90.194



**McDonald Dissector**  
Code No.: 90.197



**Howarth Elevator**  
Code No.: 90.181



**PMolt Elevator Double Ended**  
Code No.: 90.184



**Farabeuf Rugine Double Ended  
Periostal Elevator**  
Code No.: 90.187



**Farabeuf Rugine Curved Elevator**  
Code No.: 90.191



**Farabeuf Rugine Straight Elevator**  
Code No.: 90.194



**Moon Probe**  
Code No.: 90.197



**Cottle Elevator Graduated  
Double Ended**  
Code No.: 90.201



**Bristow Elevator Fine**  
Code No.: 90.204



**Cryer X Bar Elevator Pair  
with T-Handle**  
Code No.: 90.207



**Rowe Zygomatic Elevator  
8mm and 12mm**  
Code No.: 90.210

☐ SCOOPS, CURRETTES, JAW OPENERS



**Ferguson Mouth Gag, Adults**  
Code No.: 90.220



**Doyen Mouth Gag**  
Code No.: 90.223



**Dingman Mouth Gag with 3 Blades**  
Code No.: 90.226



**Bone Scoop Double Ended**  
Code No.: 90.229



**Lucas Curette**  
Code No.: 90.232



**Read Curette Straight**  
Code No.: 90.235

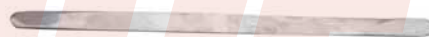


**Volkman Bone Scoop - Double Ended**  
Code No.: 90.238

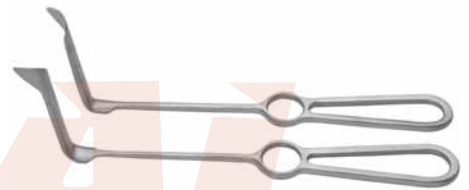
☐ RETRACTORS



**Czerny Retractor**  
Code No.: 90.250



**Crile malleable Retractor Copper**  
Code No.: 90.253



**Condylar Neck Retractor  
(Right & Left) in Pair**  
Code No.: 90.256



**Condyle Retractor  
Single Ended & Double Ended**  
Code No.: 90.259



**Chin Retractor**  
Code No.: 90.262



**Channel Retractor  
8mm & 12mm**  
Code No.: 90.265



**Browne Lingual Flap Retractor**  
Code No.: 90.268



**Austion Tissue Retractor  
Half Moon & Forked**  
Code No.: 90.271



**Aufrecht Nasal Retractor  
Solid**  
Code No.: 90.274



**Aufrecht Nasal Retractor  
Fenestrated**  
Code No.: 90.277



**Kilner Retractor, C-Shape**  
Code No.: 90.281



**Forked (Ramus) Retractor**  
Code No.: 90.284



**Farabeuf Retractor**  
Code No.: 90.287



**Endoscopic Scalp Retractor**  
Code No.: 90.290



**Desmare Retractor**  
Code No.: 90.293



**Crile malliable Retractor - SS**  
Code No.: 90.296



**Hajeck Cheek Retractor**  
Code No.: 90.299



**Intraoral Retractor - 3rd Molar**  
Code No.: 90.302



**Crile malliable Retractor - SS**  
Code No.: 90.305



**Kilner Nasal Retractor**  
Code No.: 90.308



**Plastic Cheek Retractor - Small & Big**  
Code No.: 90.311



**Kilner Skin Retractor  
Double Ended - Catspaw**  
Code No.: 90.314



**Lagenback Retractor**  
Code No.: 90.317



**Lip & Cheek Retractor Bishop**  
Code No.: 90.321



**Maliniac Nasal Retractor**  
Code No.: 990.324



**Mandibular Rim Retractor  
Conic Shaped Blade**  
Code No.: 90.327



**Mcindoe Retractor**  
Code No.: 90.330



**Minnesota Retractor**  
Code No.: 90.333



**Monks Issue Retractor**  
Code No.: 90.336



**TMJ Retractor  
Double Ended 6x10mm**  
Code No.: 90.339



**Superior Ramus Separator (Smith)**  
Code No.: 90.342



**Stack Retractor**  
Code No.: 90.345



**Rowe Orbital Floor Retractor  
Right & Left in Pair**  
Code No.: 90.348



**Soft Tissue Retractor  
Concave Blade - Curved Down**  
Code No.: 90.351



**Soft Tissue Retractor (Convace Blade)  
Curved Up**  
Code No.: 90.354



**Self Retaining  
Mastoid Retractor**  
Code No.: 90.357



**Ramus Retractor**  
Code No.: 90.360



**Reverse Langenback Retractor  
Soft Tissue Retractor**  
Code No.: 90.363



**Rayne Mandibular Retractor**  
Code No.: 90.366



**Ragnell Retractor  
Double Ended**  
Code No.: 90.369

OTHERS INSTRUMENTS



**Lyposcution Cannula with Syringe End**  
Code No.: 90.375



**Lypo Suction Cannula**  
Code No.: 90.378



**Knife for Rhinoplasty**  
Code No.: 90.381



**K Wire Introducer**  
Code No.: 90.384



**K Wire Bender  
Cutter & Plier**  
Code No.: 90.387



**Heister Jaw Opener  
Reverse Action**  
Code No.: 90.390



**Heister Jaw Opener**  
Code No.: 90.393



**Gigli Saw Handle  
in Pair - SS**  
Code No.: 90.396



**Frazier Suction Tube**  
Code No.: 90.399



**Finger Saw**  
Code No.: 90.400



**Fickling Dental Mallet**  
Code No.: 90.403



**Drill, Screws, Wire Gauge Scale**  
6 inch  
Code No.: 90.407



**Calipers Castroviejo**  
Code No.: 90.409



**Bone File\_Nasal Raspatory**  
Code No.: 90.412



**Arch Bar Cutter**  
Code No.: 90.415



**Wire Twisting Forceps**  
Code No.: 90.418



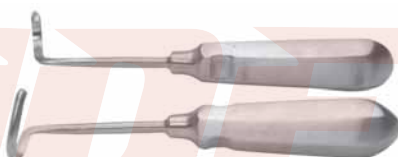
**Wire Twister - Pencil Type**  
Code No.: 90.421



**Wire Cutter for Soft Wires TCT**  
Code No.: 90.424



**Wire Cutter for Soft Wires**  
Code No.: 90.427



**Rib Resparty - Right & Left in Pai**  
Code No.: 90.430



**Mesh Bender**  
Code No.: 90.433



**Tendon Stripper**  
Code No.: 90.436



**Templet For reconstruction Plate**  
Code No.: 90.439



**Arch Bar Cutter**  
Code No.: 90.442



**Nylon Faced Hammer**  
Code No.: 90.445



**Malts Rasp**  
Code No.: 90.448



**Mouth Props, set of 3**  
Code No.: 90.451



**Mouth Props, set of 4**  
Code No.: 90.454

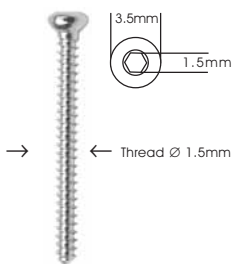
☐ HAND & FOOT IMPLANTS





## □ BONE SCREWS & PLATES

### 1.5MM CORTICAL SCREWS, MINI



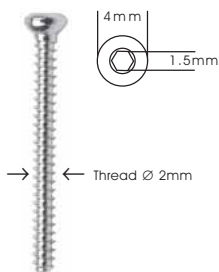
Length in mm.	Codes	
	Stainless Steel	Titanium
6	118.006	Ti-118.006
7	118.007	Ti-118.007
8	118.008	Ti-118.008
9	118.009	Ti-118.009
10	118.010	Ti-118.010
11	118.011	Ti-118.011
12	118.012	Ti-118.012
14	118.014	Ti-118.014
16	118.016	Ti-118.016
18	118.018	Ti-118.018
20	118.020	Ti-118.020

Drill Bit: 1.1mm

### SCREW, 1.5MM DIA.

Length in mm	Slotted Head		Cross Head	
	S.S.	Titanium	S.S.	Titanium
4	01.04	Ti-01.04	08.04	Ti-08.04
5	01.05	Ti-01.05	08.05	Ti-08.05
6	01.06	Ti-01.06	08.06	Ti-08.06
7	01.07	Ti-01.07	08.07	Ti-08.07
8	01.08	Ti-01.08	08.08	Ti-08.08
9	01.09	Ti-01.09	08.09	Ti-08.09
10	01.10	Ti-01.10	08.10	Ti-08.10
11	01.11	Ti-01.11	08.11	Ti-08.11
12	01.12	Ti-01.12	08.12	Ti-08.12

### 2.0MM CORTICAL SCREWS, MINI



Length in mm.	Codes	
	Stainless Steel	Titanium
6	118.106	Ti-118.106
7	118.107	Ti-118.107
8	118.108	Ti-118.108
9	118.109	Ti-118.109
10	118.110	Ti-118.110
11	118.111	Ti-118.111
12	118.112	Ti-118.112
14	118.114	Ti-118.114
16	118.116	Ti-118.116
18	118.118	Ti-118.118
20	118.120	Ti-118.120

Drill Bit: 1.5mm

### SCREW, 1.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	60.04	Ti-60.04	61.04	Ti-61.04
5	60.05	Ti-60.05	61.05	Ti-61.05
6	60.06	Ti-60.06	61.06	Ti-61.06
7	60.07	Ti-60.07	61.07	Ti-61.07
8	60.08	Ti-60.08	61.08	Ti-61.08
9	60.09	Ti-60.09	61.09	Ti-61.09
10	60.10	Ti-60.10	61.10	Ti-61.10

### SCREW, 1.3MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	63.04	Ti-63.04	64.04	Ti-64.04
5	63.05	Ti-63.05	64.05	Ti-64.05
6	63.06	Ti-63.06	64.06	Ti-64.06
7	63.07	Ti-63.07	64.07	Ti-64.07
8	63.08	Ti-63.08	64.08	Ti-64.08
9	63.09	Ti-63.09	64.09	Ti-64.09
10	63.10	Ti-63.10	64.10	Ti-64.10

### SCREW, 2.0MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	02.04	Ti-02.04	09.04	Ti-09.04
6	02.06	Ti-02.06	09.06	Ti-09.06
8	02.08	Ti-02.08	09.08	Ti-09.08
10	02.10	Ti-02.10	09.10	Ti-09.10
12	02.12	Ti-02.12	09.12	Ti-09.12
14	02.14	Ti-02.14	09.14	Ti-09.14
16	02.16	Ti-02.16	09.16	Ti-09.16
18	02.18	Ti-02.18	09.18	Ti-09.18

### SCREW, 2.3MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	06.04	Ti-06.04	22.04	Ti-22.04
6	06.06	Ti-06.06	22.06	Ti-22.06
8	06.08	Ti-06.08	22.08	Ti-22.08
10	06.10	Ti-06.10	22.10	Ti-22.10
12	06.12	Ti-06.12	22.12	Ti-22.12
14	06.14	Ti-06.14	22.14	Ti-22.14
16	06.16	Ti-06.16	22.16	Ti-22.16
18	06.18	Ti-06.18	22.18	Ti-22.18



SCREW, 2.5MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	03.04	Ti-03.04	21.04	Ti-21.04
6	03.06	Ti-03.06	21.06	Ti-21.06
8	03.08	Ti-03.08	21.08	Ti-21.08
10	03.10	Ti-03.10	21.10	Ti-21.10
12	03.12	Ti-03.12	21.12	Ti-21.12
14	03.14	Ti-03.14	21.14	Ti-21.14
16	03.16	Ti-03.16	21.16	Ti-21.16
18	03.18	Ti-03.18	21.18	Ti-21.18
20	03.20	Ti-03.20	21.20	Ti-21.20



SCREW, 2.7MM DIA.

Length in mm	Slotted Head ⊖		Cross Head ⊕	
	S.S.	Titanium	S.S.	Titanium
4	04.04	Ti-04.04	23.04	Ti-23.04
6	04.06	Ti-04.06	23.06	Ti-23.06
8	04.08	Ti-04.08	23.08	Ti-23.08
10	04.10	Ti-04.10	23.10	Ti-23.10
12	04.12	Ti-04.12	23.12	Ti-23.12
14	04.14	Ti-04.14	23.14	Ti-23.14
16	04.16	Ti-04.16	23.16	Ti-23.16
18	04.18	Ti-04.18	23.18	Ti-23.18
20	04.20	Ti-04.20	23.20	Ti-23.20
22	04.22	Ti-04.22	23.22	Ti-23.22
24	04.24	Ti-04.24	23.24	Ti-23.24



Y-ADAPTION PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.3	3	8	84.38	Ti-84.38



T-ADAPTION PLATE

Dia. in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
1.3	3	8	83.38	Ti-83.38
1.3	4	8	83.48	Ti-83.48
1.5	3	9	83.39	Ti-83.39
1.5	4	9	83.49	Ti-83.49



T-PLATE 1.5MM / 2.0MM

Length in mm	Head Holes	Shaft Holes	Codes	
			S.S.	Titanium
35	2	4	98.24	Ti-98.24
62	2	8	98.28	Ti-98.28



ADAPTION PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	34	32.01	Ti-32.01
1.3	6	32.03	Ti-32.03
1.3	8	32.06	Ti-32.06
1.3	24	32.09	Ti-32.09
1.5	6	32.12	Ti-32.12
1.5	8	32.15	Ti-32.15
1.5	20	32.18	Ti-32.18
2.0	6	32.21	Ti-32.21
2.0	8	32.24	Ti-32.24
2.0	20	32.27	Ti-32.27



MINI CONDYLAR PLATE

Dia. in mm	Type	Codes	
		S.S.	Titanium
1.5	Pin Left	74.01	Ti-74.01
1.5	Pin Right	74.02	Ti-74.02
2.0	Pin Left	74.03	Ti-74.03
2.0	Pin Right	74.04	Ti-74.04



MINI H-PLATE

Dia. in mm	No. of Holes	Codes	
		S.S.	Titanium
1.0	11	69.01	Ti-69.01
1.3	11	69.04	Ti-69.04
1.5	8	69.07	Ti-69.07
1.5	9	69.10	Ti-69.10
2.0	8	69.13	Ti-69.13
2.0	9	69.16	Ti-69.16



**MINI L PLATE FOR 2MM SCREWS**

	Stainless Steel	Titanium
Left Leg	122.101	Ti-122.101
Right Leg	122.102	Ti-122.102

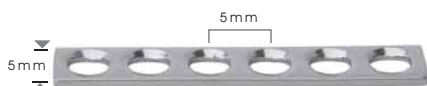
Profile:  
Shaft with two holes & head with two holes.



**MINI T PLATE FOR 2MM SCREWS**

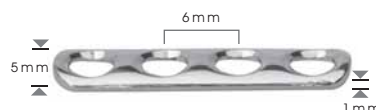
	Stainless Steel	Titanium
Code No.	123.100	Ti-123.100

Profile:  
Shaft with two holes & head with two holes.



**DCP PLATES - 2.0MM**

No. of Holes	Codes	
	Stainless Steel	Titanium
4	121.554	Ti-121.554
5	121.555	Ti-121.555
6	121.556	Ti-121.556
7	121.557	Ti-121.557
8	121.558	Ti-121.558



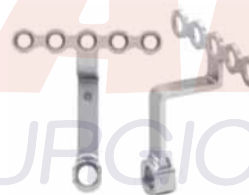
**MINI STRAIGHT PLATES FOR 2MM SCREWS**

No. of Holes	Codes	
	Stainless Steel	Titanium
2	121.102	Ti-121.102
3	121.103	Ti-121.103
4	121.104	Ti-121.104
5	121.105	Ti-121.105
6	121.106	Ti-121.106
7	121.107	Ti-121.107
8	121.108	Ti-121.108



**ANTERIOR FOOT PLATE**

Type L/R	Height mm	Code	
		S.S.	Titanium
Left	6	93.02L	Ti-93.02L
Right	6	93.02R	Ti-93.02R
Left	10	93.06L	Ti-93.06L
Right	10	93.06R	Ti-93.06R
Left	14	93.50L	Ti-93.50L
Right	14	93.50R	Ti-93.50R



**POSTERIOR FOOT PLATE**

Offset mm	Height mm	Code	
		S.S.	Titanium
7	15	94.42L	Ti-94.42L
7	20	94.42R	Ti-94.42R
7	25	94.46L	Ti-94.46L
12	15	94.46R	Ti-94.46R
12	20	94.50L	Ti-94.50L
12	25	94.50R	Ti-94.50R

## 2.7MM IMPLANTS FOR HAND & FOOT



PLEASE REFER TO PAGE NOS.: 80-81.  
FOR OUR RANGE OF 2.7MM SCREWS & PLATES

## CANNULATED SCREWS FOR HAND & FOOT



PLEASE REFER TO PAGE NOS.: 100-107.  
FOR OUR COMPLETE RANGE OF CANNULATED SCREWS RANGE.



**Mini Hexagonal Screw Driver with Sleeve (1.5mm Tip)**  
Code No.: 311.002



**Mini Periosteal Elevator**  
Code No.: 311.017



**Mini Tap Sleeve**  
Code No.: 311.004



**Mini Drill Sleeve**  
Code No.: 311.003



**Mini Depth Gauge**  
Code No.: 311.005



**Mini Plate Bender (Pair)**  
Code No.: 311.010



**Mini Neutral & Loaded Drill Guide**  
Code No.: 311.009



**Hollow Mill  
for 1.5mm & 2.0mm Screws**  
Code No.: 311.012



**Mini Screw Holding Forceps (for 1.5 & 2.0mm Screws)**  
Code No.: 311.011



**Mini Self Retaining Retractor for Fingers**  
Code No.: 311.006



**Mini Self Retaining Retractor for Metacarpals**  
Code No.: 311.007



**Mini Self Retaining Retractor  
for Metacarpals (with Hinge)**  
Code No.: 311.008



**Mini Plate Holding Forceps**  
Code No.: 311.013



**Mini Plate & Bone Holding Forceps**  
Code No.: 311.014



**Mini Reduction Forceps (Serrated)**  
Code No.: 311.015



**Mini Reduction Forceps (Pointed)**  
Code No.: 311.016



**Mini Chisels Sizes: 4, 6, 8, 10 & 12mm**  
Code No.: 311.018 to 022



**Mini Osteotomes Sizes: 4, 6, 8, 10 & 12mm**  
Code No.: 311.023 to 027



**Mini Gouge Sizes: 4, 6, 8, 10 & 12mm**  
Code No.: 311.028 to 032

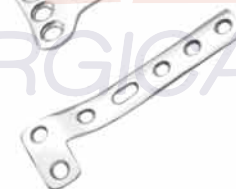


**Mini Hohmann Retractors Sizes: 6, 8, 10mm**  
Code No.: 311.034 to 036



**Mini Hand Drill**  
Code No.: 311.033

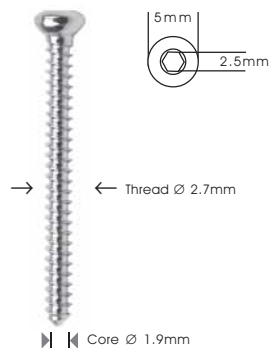
SMALL FRAGMENT





□ BONE SCREWS

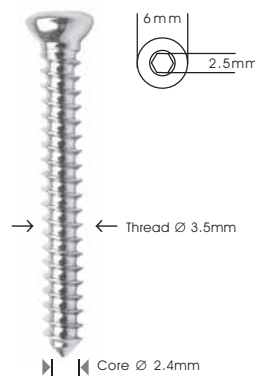
2.7MM CORTICAL SCREWS



Length in mm.	Codes	
	S.S.	Titanium
6	101.006	Ti-101.006
8	101.008	Ti-101.008
10	101.010	Ti-101.010
12	101.012	Ti-101.012
14	101.014	Ti-101.014
16	101.016	Ti-101.016
18	101.018	Ti-101.018
20	101.020	Ti-101.020
22	101.022	Ti-101.022
24	101.024	Ti-101.024
26	101.026	Ti-101.026
28	101.028	Ti-101.028
30	101.030	Ti-101.030

Drill Bit: 2mm

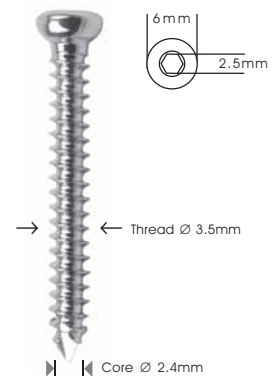
3.5MM CORTICAL SCREWS



Length in mm.	Codes	
	S.S.	Titanium
10	102.010	Ti-102.010
12	102.012	Ti-102.012
14	102.014	Ti-102.014
16	102.016	Ti-102.016
18	102.018	Ti-102.018
20	102.020	Ti-102.020
22	102.022	Ti-102.022
24	102.024	Ti-102.024
26	102.026	Ti-102.026
28	102.028	Ti-102.028
30	102.030	Ti-102.030
32	102.032	Ti-102.032
34	102.034	Ti-102.034
36	102.036	Ti-102.036
38	102.038	Ti-102.038
40	102.040	Ti-102.040
42	102.042	Ti-102.042
44	102.044	Ti-102.044
46	102.046	Ti-102.046
48	102.048	Ti-102.048
50	102.050	Ti-102.050

Drill Bit: 2.5mm

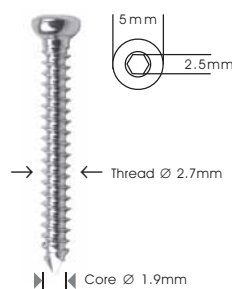
3.5MM CORTICAL SCREWS,  
SELF TAPPING



Length in mm.	Codes	
	S.S.	Titanium
10	102.210	Ti-102.210
12	102.212	Ti-102.212
14	102.214	Ti-102.214
16	102.216	Ti-102.216
18	102.218	Ti-102.218
20	102.220	Ti-102.220
22	102.222	Ti-102.222
24	102.224	Ti-102.224
26	102.226	Ti-102.226
28	102.228	Ti-102.228
30	102.230	Ti-102.230
32	102.232	Ti-102.232
34	102.234	Ti-102.234
36	102.236	Ti-102.236
38	102.238	Ti-102.238
40	102.240	Ti-102.240
42	102.242	Ti-102.242
44	102.244	Ti-102.244
46	102.246	Ti-102.246
48	102.248	Ti-102.248
50	102.250	Ti-102.250

Drill Bit: 2.5mm

2.7MM CORTICAL SCREWS  
SELF TAPPING



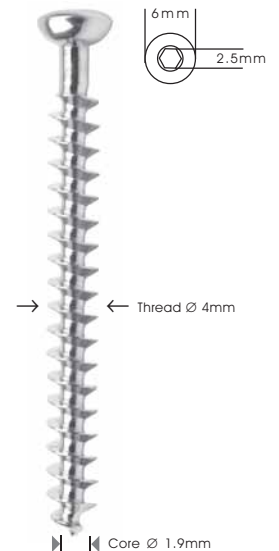
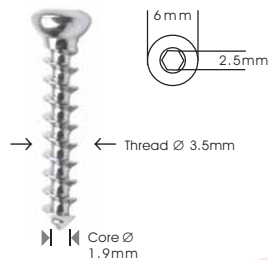
Length in mm.	Codes	
	S.S.	Titanium
6	101.206	Ti-101.206
8	101.208	Ti-101.208
10	101.210	Ti-101.210
12	101.212	Ti-101.212
14	101.214	Ti-101.214
16	101.216	Ti-101.216
18	101.218	Ti-101.218
20	101.220	Ti-101.220
22	101.222	Ti-101.222
24	101.224	Ti-101.224
26	101.226	Ti-101.226
28	101.228	Ti-101.228
30	101.230	Ti-101.230

Drill Bit: 2mm

**4.0 MM CANCELLOUS SCREWS,  
SHORT-THREAD**

**4.0MM CANCELLOUS SCREWS,  
FULL-THREAD**

**3.5MM CANCELLOUS SCREWS**



Length in mm.	Codes	
	S.S.	Titanium
10	103.010	Ti-103.010
12	103.012	Ti-103.012
14	103.014	Ti-103.014
16	103.016	Ti-103.016
18	103.018	Ti-103.018
20	103.020	Ti-103.020
22	103.022	Ti-103.022
24	103.024	Ti-103.024
26	103.026	Ti-103.026
28	103.028	Ti-103.028
30	103.030	Ti-103.030
35	103.035	Ti-103.035
40	103.040	Ti-103.040
45	103.045	Ti-103.045
50	103.050	Ti-103.050
55	103.055	Ti-103.055
60	103.060	Ti-103.060

Drill Bit: 2.5mm

Length in mm.	Codes	
	S.S.	Titanium
10	104.010	Ti-104.010
12	104.012	Ti-104.012
14	104.014	Ti-104.014
16	104.016	Ti-104.016
18	104.018	Ti-104.018
20	104.020	Ti-104.020
22	104.022	Ti-104.022
24	104.024	Ti-104.024
26	104.026	Ti-104.026
28	104.028	Ti-104.028
30	104.030	Ti-104.030
35	104.035	Ti-104.035
40	104.040	Ti-104.040
45	104.045	Ti-104.045
50	104.050	Ti-104.050
55	104.055	Ti-104.055
60	104.060	Ti-104.060

Drill Bit: 2.5mm

Length in mm.	Codes	
	S.S.	Titanium
10	105.010	Ti-105.010
12	105.012	Ti-105.012
14	105.014	Ti-105.014
16	105.016	Ti-105.016
18	105.018	Ti-105.018
20	105.020	Ti-105.020
22	105.022	Ti-105.022
24	105.024	Ti-105.024
26	105.026	Ti-105.026
28	105.028	Ti-105.028
30	105.030	Ti-105.030
35	105.035	Ti-105.035
40	105.040	Ti-105.040
45	105.045	Ti-105.045
50	105.050	Ti-105.050
55	105.055	Ti-105.055
60	105.060	Ti-105.060

Profile:  
Not to be used as lag screw.  
Drill Bit: 2.0mm

WASHER FOR SMALL SCREWS

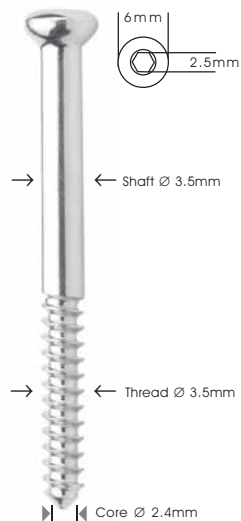
	Stainless Steel	Titanium
Code No.	115.010	Ti-115.010





## □ PLATES

### 3.5MM SHAFT SCREW FOR LOW CONTACT DYNAMIC COMPRESSION PLATE



Length in mm.	Codes	
	S.S.	Titanium
12	113.012	Ti-113.012
14	113.014	Ti-113.014
16	113.016	Ti-113.016
18	113.018	Ti-113.018
20	113.020	Ti-113.020
22	113.022	Ti-113.022
24	113.024	Ti-113.024
26	113.026	Ti-113.026
28	113.028	Ti-113.028
30	113.030	Ti-113.030
32	113.032	Ti-113.032
34	113.034	Ti-113.034
36	113.036	Ti-113.036
38	113.038	Ti-113.038
40	113.040	Ti-113.040
45	113.045	Ti-113.045
50	113.050	Ti-113.050
55	113.055	Ti-113.055
60	113.060	Ti-113.060

Drill Bit : 2.5mm



### QUARTER TUBULAR PLATE FOR 2.7MM SCREWS

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
2	18	131.102	Ti-131.102
3	26	131.103	Ti-131.103
4	34	131.104	Ti-131.104
5	42	131.105	Ti-131.105
6	50	131.106	Ti-131.106
7	58	131.107	Ti-131.107
8	66	131.108	Ti-131.108
9	74	131.109	Ti-131.109
10	82	131.110	Ti-131.110

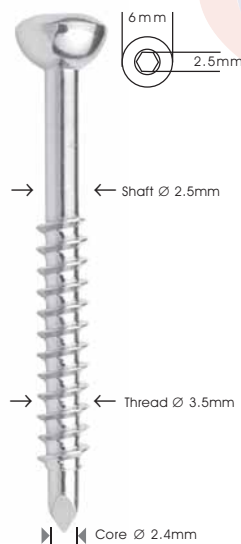


### DYNAMIC COMPRESSION PLATE - 2.7MM

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
2	20	132.102	Ti-132.102
3	28	132.103	Ti-132.103
4	36	132.104	Ti-132.104
5	44	132.105	Ti-132.105
6	52	132.106	Ti-132.106
7	60	132.107	Ti-132.107
8	68	132.108	Ti-132.108
9	76	132.109	Ti-132.109
10	84	132.110	Ti-132.110
12	100	132.112	Ti-132.112

Thickness (upto 6 Holes): 2mm  
(7 to 12 Holes): 2.5mm

### 3.5MM MALLEOLAR SCREW



Length in mm.	Codes	
	S.S.	Titanium
25	107.225	Ti-107.225
30	107.230	Ti-107.230
35	107.235	Ti-107.235
40	107.240	Ti-107.240
45	107.245	Ti-107.245
50	107.250	Ti-107.250
55	107.255	Ti-107.255
60	107.260	Ti-107.260
65	107.265	Ti-107.265
70	107.270	Ti-107.270

Drill Bit: 2.5mm

### SCREW SET-SMALL, S.S. Code No.: IS015

Set Consisting of:	Units
<b>3.5mm Cortical Screws</b> .....	<b>64</b>
4 each, Length 10, 12, 20, 22, 24, 26, 28, 32, 36, 40	
8 each, Length 14, 16 & 18mm	
<b>4.0mm Cancellous Bone Screw</b> .....	<b>32</b>
2 each Length 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 35, 40, 45, 50, 55 and 60mm	
<b>3.5mm Cancellous Screws</b> .....	<b>32</b>
2 each, Length 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 35, 40, 45, 50, 55 and 60mm	
<b>Screw Holding Forceps</b> .....	<b>1</b>
<b>S.S.Box with Screw Tray (400.025)</b> .....	<b>1 set</b>





**RECONSTRUCTION PLATE FOR 2.7MM SCREWS STRAIGHT**

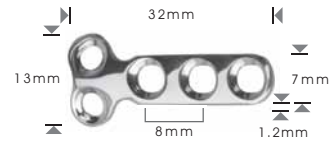
No. of Holes	Codes	
	S.S.	Titanium
2	135.102	Ti-135.102
3	135.103	Ti-135.103
4	135.104	Ti-135.104
5	135.105	Ti-135.105
6	135.106	Ti-135.106
7	135.107	Ti-135.107
8	135.108	Ti-135.108
9	135.109	Ti-135.109
10	135.110	Ti-135.110
11	135.111	Ti-135.111
12	135.112	Ti-135.112
14	135.114	Ti-135.114
16	135.116	Ti-135.116
18	135.118	Ti-135.118
20	135.120	Ti-135.120
22	135.122	Ti-135.122
24	135.124	Ti-135.124



**L PLATE FOR 2.7MM SCREWS**

	Stainless Steel	Titanium
Left Leg	133.101	Ti-133.101
Right Leg	133.102	Ti-133.102

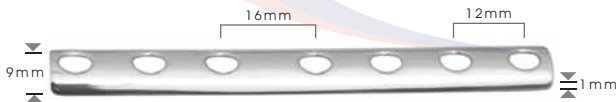
Shaft with three holes & head with two holes.



**T-PLATE FOR 2.7MM SCREWS**

	Stainless Steel	Titanium
Code No.	134.100	Ti-134.100

Shaft with three holes & head with two holes.



**ONE THIRD TUBULAR PLATES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
2	28	138.102	Ti-138.102
3	40	138.103	Ti-138.103
4	52	138.104	Ti-138.104
5	64	138.105	Ti-138.105
6	76	138.106	Ti-138.106
7	88	138.107	Ti-138.107
8	100	138.108	Ti-138.108
9	112	138.109	Ti-138.109
10	124	138.110	Ti-138.110
11	136	138.111	Ti-138.111
12	148	138.112	Ti-138.112

Used as buttress plate for fibula, metatarsals and metacarpals.  
Fixation with 3.5 & 4mm screws.  
Compression effect can be achieved by eccentric insertion of remote screws.

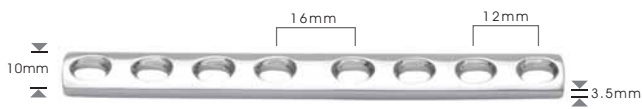


**ONE-THIRD TUBULAR PLATE WITH COLLAR**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
2	28	139.122	Ti-139.122
3	40	139.123	Ti-139.123
4	52	139.124	Ti-139.124
5	64	139.125	Ti-139.125
6	76	139.126	Ti-139.126
7	88	139.127	Ti-139.127
8	100	139.128	Ti-139.128
9	112	139.129	Ti-139.129
10	124	139.130	Ti-139.130
11	136	139.131	Ti-139.131
12	148	139.132	Ti-139.132

Used as buttress plate for fibula, metatarsals and metacarpals.  
Fixation with 3.5 & 4mm screws.  
Compression effect can be achieved by eccentric insertion of remote screws.

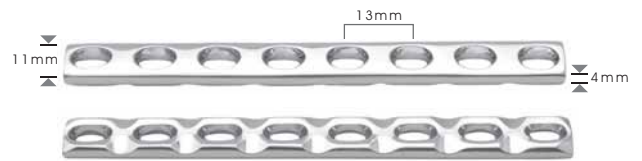




**DYNAMIC COMPRESSION PLATE - 3.5MM**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
2	26	140.102	Ti-140.102
3	38	140.103	Ti-140.103
4	50	140.104	Ti-140.104
5	62	140.105	Ti-140.105
6	74	140.106	Ti-140.106
7	86	140.107	Ti-140.107
8	98	140.108	Ti-140.108
9	110	140.109	Ti-140.109
10	122	140.11	Ti-140.110
11	134	140.111	Ti-140.111
12	146	140.112	Ti-140.112
13	158	140.113	Ti-140.113
14	170	140.114	Ti-140.114

for Ulna and Radius. Fixation with 3.5 & 4.5mm screws



**LOW CONTACT DYNAMIC COMPRESSION PLATE FOR 3.5MM SCREWS**

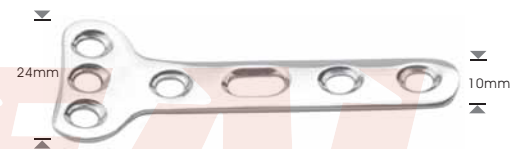
No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	38	147.103	Ti-147.103
4	51	147.104	Ti-147.104
5	64	147.105	Ti-147.105
6	77	147.106	Ti-147.106
7	90	147.107	Ti-147.107
8	103	147.108	Ti-147.108
9	116	147.109	Ti-147.109
10	129	147.110	Ti-147.110
11	142	147.111	Ti-147.111
12	155	147.112	Ti-147.112
13	168	147.113	Ti-147.113
14	181	147.114	Ti-147.114

for Ulna & Radius. Fixation with 3.5mm & 4mm screws.



**HOOK PLATE FOR 3.5MM SCREWS**

No. of Holes	Codes	
	S.S.	Titanium
4	148.104	Ti-148.104
5	148.105	Ti-148.105
6	148.106	Ti-148.106
7	148.107	Ti-148.107
8	148.108	Ti-148.108
10	148.110	Ti-148.110



**SMALL T-PLATES, RIGHT ANGLED WITH 3 HEAD HOLES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	39	141.103	Ti-141.103
4	56	141.104	Ti-141.104
5	67	141.105	Ti-141.105
6	78	141.106	Ti-141.106

for the Left and Right Radius. Fixation with 3.5mm & 4mm screws.



**SMALL T-PLATES, OBLIQUE ANGLED**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	39	142.103L	Ti-142.103L
4	63	142.104L	Ti-142.104L
5	67	142.105L	Ti-142.105L
6	78	142.106L	Ti-142.106L
3	39	142.103R	Ti-142.103R
4	63	142.104R	Ti-142.104R
5	67	142.105R	Ti-142.105R
6	78	142.106R	Ti-142.106R

for the Left and Right Radius. Fixation with 3.5mm & 4mm screws. Head with three holes.



**SMALL T-PLATES, RIGHT ANGLED WITH 4 HEAD HOLES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	39	141.203	Ti-141.203
4	56	141.204	Ti-141.204
5	67	141.205	Ti-141.205
6	78	141.206	Ti-141.206

For the Left and Right Radius. Fixation with 3.5mm & 4mm screws.



**3.5MM PELVIC RECONSTRUCTION PLATES STRAIGHT**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
5	58	144.105	Ti-144.105
6	70	144.106	Ti-144.106
7	82	144.107	Ti-144.107
8	94	144.108	Ti-144.108
9	106	144.109	Ti-144.109
10	118	144.110	Ti-144.110
11	130	144.111	Ti-144.111
12	142	144.112	Ti-144.112
13	154	144.113	Ti-144.113
14	166	144.114	Ti-144.114
15	178	144.115	Ti-144.115
16	190	144.116	Ti-144.116
17	202	144.117	Ti-144.117
18	214	144.118	Ti-144.118
19	226	144.119	Ti-144.119
20	238	144.120	Ti-144.120
21	250	144.121	Ti-144.121
22	262	144.122	Ti-144.122

Do Not Bend more than 15°. Fixation with 3.5 & 4.0mm screws.



**3.5MM PELVIC RECONSTRUCTION PLATES CURVED**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
5	58	144.105C	Ti-144.105C
6	70	144.106C	Ti-144.106C
7	82	144.107C	Ti-144.107C
8	94	144.108C	Ti-144.108C
9	106	144.109C	Ti-144.109C
10	118	144.110C	Ti-144.110C
11	130	144.111C	Ti-144.111C
12	142	144.112C	Ti-144.112C
13	154	144.113C	Ti-144.113C
14	166	144.114C	Ti-144.114C
16	190	144.116C	Ti-144.116C
18	214	144.118C	Ti-144.118C

Fixation with 3.5 & 4.0mm screws.



**SEMI TUBULAR PLATE FOR 3.5MM SCREWS**

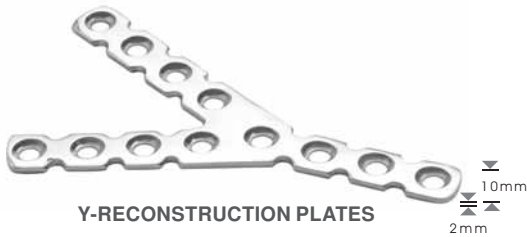
No. of Holes	Codes	
	S.S.	Titanium
2	143.102	Ti-143.102
3	143.103	Ti-143.103
4	143.104	Ti-143.104
5	143.105	Ti-143.105
6	143.106	Ti-143.106
7	143.107	Ti-143.107
8	143.108	Ti-143.108
9	143.109	Ti-143.109
10	143.110	Ti-143.110
12	143.112	Ti-143.112



**CLOVERLEAF PLATES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	88	146.103	Ti-146.103
4	104	146.104	Ti-146.104
5	120	146.105	Ti-146.105
6	136	146.106	Ti-146.106
7	152	146.107	Ti-146.107
8	168	146.108	Ti-146.108
9	184	146.109	Ti-146.109
10	200	146.110	Ti-146.110
11	216	146.111	Ti-146.111
12	232	146.112	Ti-146.112
13	248	146.113	Ti-146.113
14	264	146.114	Ti-146.114

For distal Intra-Articular tibial Fractures. Fixation with 3.5mm & 4.0mm Screws.



**Y-RECONSTRUCTION PLATES**

No. of Holes	Size	Codes	
		S.S.	Titanium
6	Small	145.102	Ti-145.102
9	Medium	145.103	Ti-145.103
12	Large	145.104	Ti-145.104



**CALCANEAL PLATE FOR 3.5MM SCREWS**

Length in mm	Codes	
	S.S.	Titanium
60	137.160	Ti-137.160
70	137.170	Ti-137.170

for Calcaneus Fractures. Fixation with 3.5mm and 4mm screws.

☐ INSTRUMENTS FOR SMALL FRAGMENTS



**DRILL BIT - S.S. - QUICK COUPLING END**

Code No.	Dia. mm	Length mm
260.200	2.0	100
260.251	2.5	130
260.320	3.2	130
260.350	3.5	130

Other sizes are available under **General Instruments**.



**DRILL BIT - PLAIN SHANK / JACOB CHUCK END**

Code No.	Dia. mm	Length mm
261.620	2.0	100
261.626	2.5	130
261.632	3.2	130
261.635	3.5	130

Other sizes are available under **General Instruments**.



**BONE TAP WITH T-HANDLE**

Code No.	Dia. mm	
263.020	2.7	Cortical
263.025	3.5	Cortical
263.030	3.5	Cancellous
263.038	4.0	Cancellous

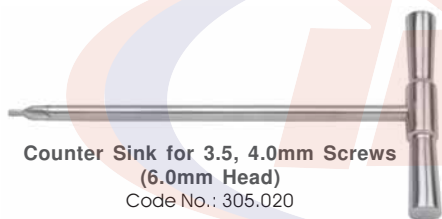
Other sizes are available under **General Instruments**.



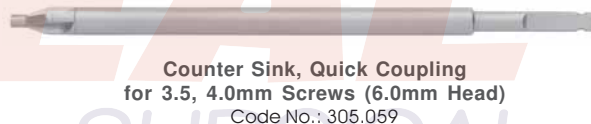
**BONE TAP - QUICK COUPLING END**

Code No.	Dia. mm	
264.020	2.7	Cortical
264.025	3.5	Cortical
264.030	3.5	Cancellous
264.038	4.0	Cancellous

Other sizes are available under **General Instruments**.



**Counter Sink for 3.5, 4.0mm Screws (6.0mm Head)**  
Code No.: 305.020



**Counter Sink, Quick Coupling for 3.5, 4.0mm Screws (6.0mm Head)**  
Code No.: 305.059



**Quick Coupling Handle (T-Type)**  
Code No.: 306.010



**Quick Coupling Fibre Handle with Rotation**  
Code No.: 306.020



**Quick Coupling Adaptor with Jacob End**  
Code No.: 306.030



**Lane Screw Driver**  
Code No.: 301.010



**Hexagonal Screw Driver with Sleeve, 2.5mm Tip (Excel)**  
Code No.: 301.021



**Hexagonal Screw Driver, 2.5mm Tip**  
Code No.: 301.040



**Plate Bending Press**  
Code No.: 302.070



**Screw Driver Shaft, Q.C. End - 2.5mm Tip**  
Code No.: 301.060



**Hollow Mill for removal of Screws  
Medium - for 3.5mm Screws**  
Code No.: 310.020



**Plate Bender for Small Fragment Plates**  
Code No.: 302.071



**Screw Holding Forceps**  
Code No.: 309.000



**Hollow Mill for Removal of Drill Bits**  
Code No.: 310.010



**Small Depth Gauge**  
Code No.: 303.010



**Small Plate Bender - Pair**  
Code No.: 302.010



**Drill Sleeve 2.5mm**  
Code No.: 307.020



**Small Neutral & Loaded Drill Guide**  
Code No.: 304.010



**Plate Bender  
for 2.7mm & 3.5mm reconstruction Plates**  
Code No.: 302.040



**Drill & Tap Sleeve Combined 2.5/3.5mm**  
Code No.: 307.060



**Sharp Hook**  
Code No.: 371.000



**Insert Drill Sleeve 2.5/3.5mm**  
Code No.: 307.090

☐ INSTRUMENTS SET FOR SMALL FRAGMENTS



**SMALL FRAGMENT INSTRUMENTS SET, S.S.**  
Code No.: AS011M

<i>Set Consisting of:</i>		<b>Units</b>
260.250	Drill Bit 2.5mm Dia . . . . .	2
260.350	Drill Bit 3.5mm Dia . . . . .	2
305.020	Counter Sink for 3.5, 4.0mm Screws (6.0mm Head) . . . . .	1
264.025	Tap of 3.5mm Cortical Screw . . . . .	2
264.038	Tap of 4.0mm Cancellous Screw . . . . .	2
306.010	Quick Coupling Handle (T-Type) . . . . .	1
307.060	Drill & Tap Sleeve Combined 3.5/2.5mm . . . . .	1
307.090	Insert Drill Sleeve 2.5mm / 3.5mm . . . . .	1
301.060	Small Hexagonal Screw Driver Shaft . . . . .	1
301.040	Small Hexagonal Screw Driver . . . . .	1
303.010	Depth Gauge Small . . . . .	1
371.000	Sharp Hook . . . . .	1
302.010	Small Plate Bender for Plates 2.7 & 3.5mm . . . . .	1
340.020	Self Centering Bone Holding Forceps- 190mm . . . . .	1
379.015	Hohman Retractors, Small, 8mm Wide, 160mm . . . . .	2
381.012	Periosteal Elevator, Straight/Curved 12mm . . . . .	1
379.020	Hohman Retractors, 15mm Wide, 160mm . . . . .	2
341.025	Reduction Forceps, Serrated - 140mm . . . . .	1
342.035	Reduction Forceps, Pointed - 140mm . . . . .	1
304.010	Neutral and Loaded Drill Guide (Small) . . . . .	1
900.029	S.S.Container . . . . .	1

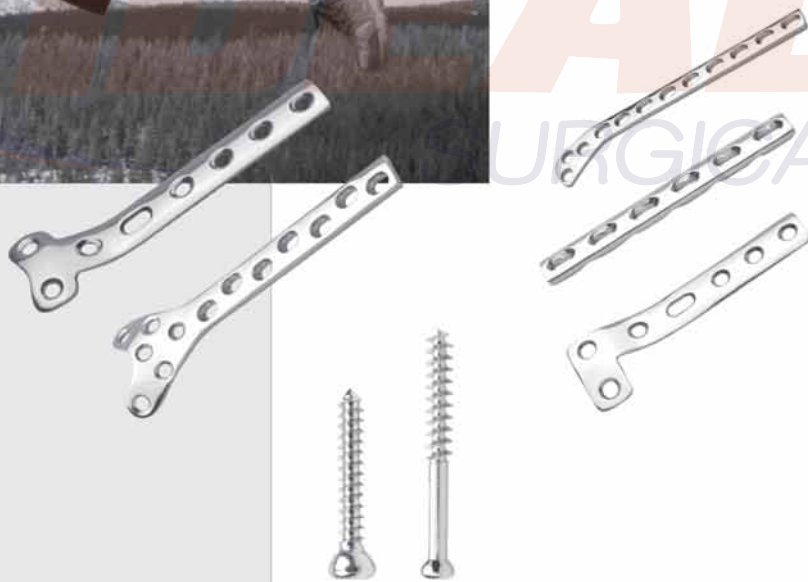


**SMALL FRAGMENT IMPLANTS SET, S.S.**  
Code No.: AS012

<i>Set Consisting of:</i>		<b>Units</b>
<b>3.5mm Cortical Screws</b> . . . . .		<b>64</b>
4 each, length 10,12,20,22,24, 26,28,32,36 & 40mm		
8each length 14,16, 18mm		
<b>4.0mm Cancellous Bone Screws</b> . . . . .		<b>30</b>
2each length 12,14,16,18,20,22,24,26,28,30,		
35,40,45,50 & 55mm		
<b>3.5mm Cancellous Screws</b> . . . . .		<b>32</b>
2 each, length, 12,14,16,18,20,22,24,26,28,30,		
35,40,45,50,55,60mm		
<b>Washer 7.0mm Dia</b> . . . . .		<b>6</b>
<b>One Third Tubular Plate with Collar</b> . . . . .		<b>9</b>
1 each with 3,7 and 8 Holes		
2 each with 4,5 and 6 Holes <b>Small T-Plate, Right</b>		
<b>Angled</b> . . . . .		<b>2</b>
1 each Shaft with 3 and 4 Holes <b>Small T-Plate,</b>		
<b>Oblique Angled</b> . . . . .		<b>2</b>
1 each , Shaft with 3 and 4 Holes		
<b>Cloverleaf Plates</b> . . . . .		<b>2</b>
1each, shaft with 3 and 4 Holes <b>Small DCP Plate</b>		
<b>3.5mm</b> . . . . .		<b>7</b>
2 each with 6 and 7 Holes		
1 each with 5,8,10 Holes <b>Kirschner Wire with Trocar</b>		
<b>tip, Length 150mm</b> . . . . .		<b>30</b>
10 each 1.0, 1.5, 2.0mm		
<b>Screw Holding Forceps</b> . . . . .		<b>1</b>
<b>S.S. Container (900.032)</b> . . . . .		<b>1 set</b>



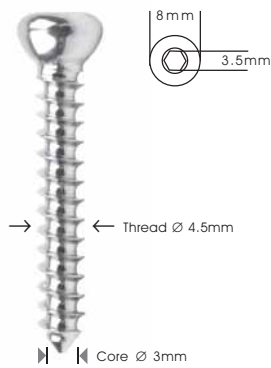
LARGE FRAGMENT



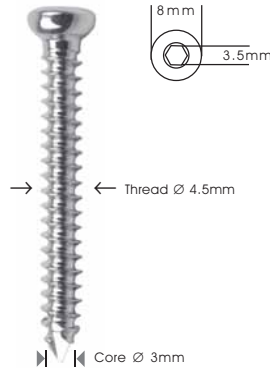


□ BONE SCREWS

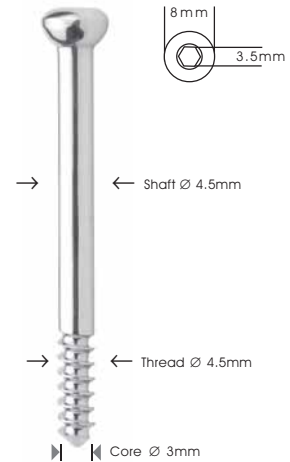
### 4.5MM CORTICAL SCREWS



### 4.5MM CORTICAL SCREWS (SELF TAPPING)



### 4.5MM SHAFT SCREWS FOR LOW CONTACT DYNAMIC COMPRESSION PLATE



Length in mm.	Codes	
	S.S.	Titanium
12	106.012	Ti-106.012
14	106.014	Ti-106.014
16	106.016	Ti-106.016
18	106.018	Ti-106.018
20	106.020	Ti-106.020
22	106.022	Ti-106.022
24	106.024	Ti-106.024
26	106.026	Ti-106.026
28	106.028	Ti-106.028
30	106.030	Ti-106.030
32	106.032	Ti-106.032
34	106.034	Ti-106.034
36	106.036	Ti-106.036
38	106.038	Ti-106.038
40	106.040	Ti-106.040
42	106.042	Ti-106.042
44	106.044	Ti-106.044
46	106.046	Ti-106.046
48	106.048	Ti-106.048
50	106.050	Ti-106.050
52	106.052	Ti-106.052
54	106.054	Ti-106.054
56	106.056	Ti-106.056
58	106.058	Ti-106.058
60	106.060	Ti-106.060
62	106.062	Ti-106.062
64	106.064	Ti-106.064
66	106.066	Ti-106.066
68	106.068	Ti-106.068
70	106.070	Ti-106.070
72	106.072	Ti-106.072
74	106.074	Ti-106.074
76	106.076	Ti-106.076
78	106.078	Ti-106.078
80	106.080	Ti-106.080

Drill Bit : 3.2mm  
Drill Bit for Gliding Hole: 4.5mm

Length in mm.	Codes	
	S.S.	Titanium
12	106.212	Ti-106.212
14	106.214	Ti-106.214
16	106.216	Ti-106.216
18	106.218	Ti-106.218
20	106.220	Ti-106.220
22	106.222	Ti-106.222
24	106.224	Ti-106.224
26	106.226	Ti-106.226
28	106.228	Ti-106.228
30	106.230	Ti-106.230
32	106.232	Ti-106.232
34	106.234	Ti-106.234
36	106.236	Ti-106.236
38	106.238	Ti-106.238
40	106.240	Ti-106.240
42	106.242	Ti-106.242
44	106.244	Ti-106.244
46	106.246	Ti-106.246
48	106.248	Ti-106.248
50	106.250	Ti-106.250
52	106.252	Ti-106.252
54	106.254	Ti-106.254
56	106.256	Ti-106.256
58	106.258	Ti-106.258
60	106.260	Ti-106.260
62	106.262	Ti-106.262
64	106.264	Ti-106.264
66	106.266	Ti-106.266
68	106.268	Ti-106.268
70	106.270	Ti-106.270
72	106.272	Ti-106.272
74	106.274	Ti-106.274
76	106.276	Ti-106.276
78	106.278	Ti-106.278
80	106.280	Ti-106.280

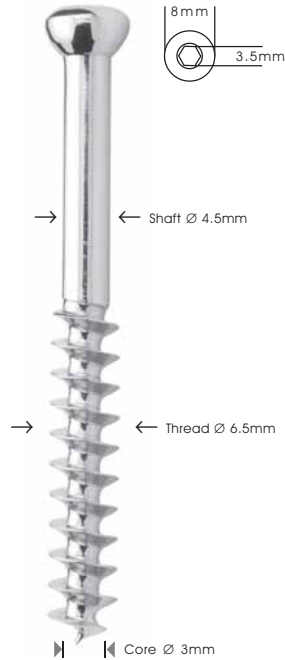
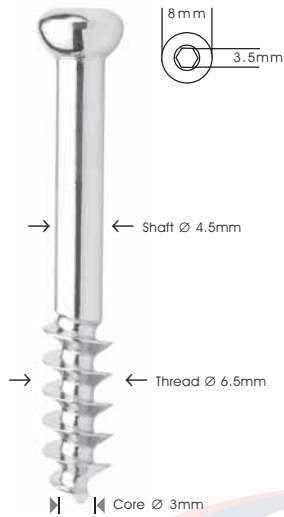
Drill Bit : 3.2mm  
Drill Bit for Gliding Hole: 4.5mm

Length in mm.	Codes	
	S.S.	Titanium
22	114.022	Ti-114.022
24	114.024	Ti-114.024
26	114.026	Ti-114.026
28	114.028	Ti-114.028
30	114.030	Ti-114.030
32	114.032	Ti-114.032
34	114.034	Ti-114.034
36	114.036	Ti-114.036
38	114.038	Ti-114.038
40	114.040	Ti-114.040
42	114.042	Ti-114.042
44	114.044	Ti-114.044
46	114.046	Ti-114.046
48	114.048	Ti-114.048
50	114.050	Ti-114.050
55	114.055	Ti-114.055
60	114.060	Ti-114.060
65	114.065	Ti-114.065
70	114.070	Ti-114.070
75	114.075	Ti-114.075
80	114.080	Ti-114.080
85	114.085	Ti-114.085
90	114.090	Ti-114.090
95	114.095	Ti-114.095
100	114.100	Ti-114.100

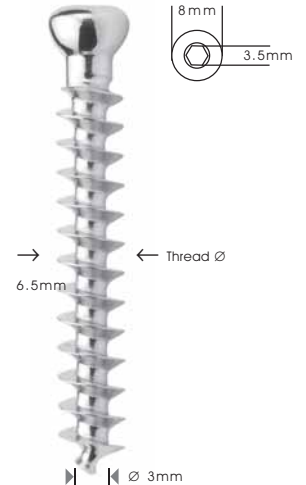
Drill Bit : 3.2mm  
Drill Bit for Gliding Hole: 4.5mm

**6.5MM CANCELLOUS BONE SCREWS,  
32MM THREAD**

**6.5MM CANCELLOUS BONE SCREWS,  
16MM THREAD**



**6.5MM CANCELLOUS BONE SCREWS,  
FULLY THREADED**



Length in mm.	Codes	
	S.S.	Titanium
25	108.025	Ti-108.025
30	108.030	Ti-108.030
35	108.035	Ti-108.035
40	108.040	Ti-108.040
45	108.045	Ti-108.045
50	108.050	Ti-108.050
55	108.055	Ti-108.055
60	108.060	Ti-108.060
65	108.065	Ti-108.065
70	108.070	Ti-108.070
75	108.075	Ti-108.075
80	108.080	Ti-108.080
85	108.085	Ti-108.085
90	108.090	Ti-108.090
95	108.095	Ti-108.095
100	108.100	Ti-108.100
105	108.105	Ti-108.105
110	108.110	Ti-108.110
115	108.115	Ti-108.115
120	108.120	Ti-108.120

Drill Bit : 3.2mm  
Drill Bit for Shaft: 4.5mm

Length in mm.	Codes	
	S.S.	Titanium
40	109.040	Ti-109.040
45	109.045	Ti-109.045
50	109.050	Ti-109.050
55	109.055	Ti-109.055
60	109.060	Ti-109.060
65	109.065	Ti-109.065
70	109.070	Ti-109.070
75	109.075	Ti-109.075
80	109.080	Ti-109.080
85	109.085	Ti-109.085
90	109.090	Ti-109.090
95	109.095	Ti-109.095
100	109.100	Ti-109.100
105	109.105	Ti-109.105
110	109.110	Ti-109.110
115	109.115	Ti-109.115
120	109.120	Ti-109.120

Drill Bit : 3.2mm  
Drill Bit for Shaft: 4.5mm

Length in mm.	Codes	
	S.S.	Titanium
25	110.025	Ti-110.025
30	110.030	Ti-110.030
35	110.035	Ti-110.035
40	110.040	Ti-110.040
45	110.045	Ti-110.045
50	110.050	Ti-110.050
55	110.055	Ti-110.055
60	110.060	Ti-110.060
65	110.065	Ti-110.065
70	110.070	Ti-110.070
75	110.075	Ti-110.075
80	110.080	Ti-110.080
85	110.085	Ti-110.085
90	110.090	Ti-110.090
95	110.095	Ti-110.095
100	110.100	Ti-110.100
105	110.105	Ti-110.105
110	110.110	Ti-110.110
115	110.115	Ti-110.115
120	110.120	Ti-110.120

Drill Bit : 3.2mm



## PLATES



### NARROW DYNAMIC COMPRESSION PLATE

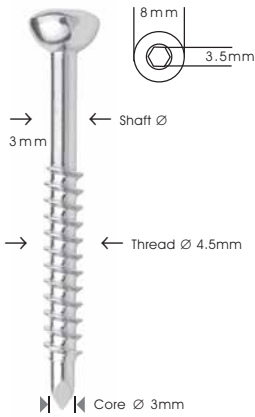
No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	71	157.104	Ti-157.104
5	87	157.105	Ti-157.105
6	103	157.106	Ti-157.106
7	119	157.107	Ti-157.107
8	135	157.108	Ti-157.108
9	151	157.109	Ti-157.109
10	167	157.110	Ti-157.110
11	183	157.111	Ti-157.111
12	199	157.112	Ti-157.112
13	215	157.113	Ti-157.113
14	231	157.114	Ti-157.114
15	247	157.115	Ti-157.115
16	263	157.116	Ti-157.116
17	279	157.117	Ti-157.117
18	295	157.118	Ti-157.118

Fixation with 4.5 & 6.5mm screws.

All holes are designed as self-compressing holes. All the end holes are designed for cancellous bone screws.

Indication: As a neutralisation and tension band plate on the tibia (not intended for the femur).

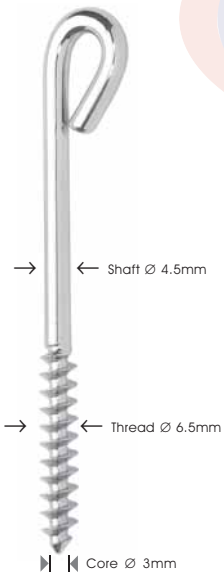
### 4.5MM MALLEOLAR SCREWS



Length in mm.	Codes	
	S.S.	Titanium
25	107.025	Ti-107.025
30	107.030	Ti-107.030
35	107.035	Ti-107.035
40	107.040	Ti-107.040
45	107.045	Ti-107.045
50	107.050	Ti-107.050
55	107.055	Ti-107.055
60	107.060	Ti-107.060
65	107.065	Ti-107.065
70	107.070	Ti-107.070
75	107.075	Ti-107.075
80	107.080	Ti-107.080
75	107.075	Ti-107.075
80	107.080	Ti-107.080
85	107.085	Ti-107.085
90	107.090	Ti-107.090
95	107.095	Ti-107.095
100	107.100	Ti-107.100

Drill Bit : 3.2mm

### CANCELLOUS TRACTION SCREWS, 6.5MM DIA.



Length in mm.	Codes	
	S.S.	Titanium
45	110.245	Ti-110.245
50	110.250	Ti-110.250
55	110.255	Ti-110.255
60	110.260	Ti-110.260
65	110.265	Ti-110.265
70	110.270	Ti-110.270
75	110.275	Ti-110.275
80	110.280	Ti-110.280
85	110.285	Ti-110.285
90	110.290	Ti-110.290
95	110.295	Ti-110.295
100	110.300	Ti-110.300
105	110.305	Ti-110.305
110	110.310	Ti-110.310
115	110.315	Ti-110.315
120	110.320	Ti-110.320
125	110.325	Ti-110.325
130	110.330	Ti-110.330
135	110.335	Ti-110.335

Thread Length : 32mm



### NARROW LIMITED CONTACT DYNAMIC COMPRESSION PLATES

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	70	150.104	Ti-150.104
5	88	150.105	Ti-150.105
6	106	150.106	Ti-150.106
7	124	150.107	Ti-150.107
8	142	150.108	Ti-150.108
9	160	150.109	Ti-150.109
10	178	150.110	Ti-150.110
11	196	150.111	Ti-150.111
12	214	150.112	Ti-150.112
13	232	150.113	Ti-150.113
14	250	150.114	Ti-150.114
15	268	150.115	Ti-150.115
16	286	150.116	Ti-150.116

Fixation with 4.5 & 6.5mm screws.

Undercuts: For reduced vascular damage.

The end holes can be used for cancellous bone screws.

The LC-DCP holes allow compression in both directions of the longitudinal axis.

Indication: As a neutralisation and tension band plate on the tibia (not intended for the femur).

## WASHER FOR LARGE SCREWS

### Washer for 4.5 to 7.0mm Screws

	Stainless Steel	Titanium
Code No.	115.020	Ti-115.020



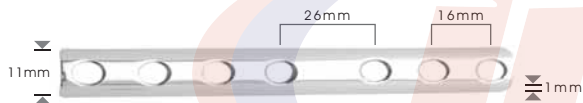
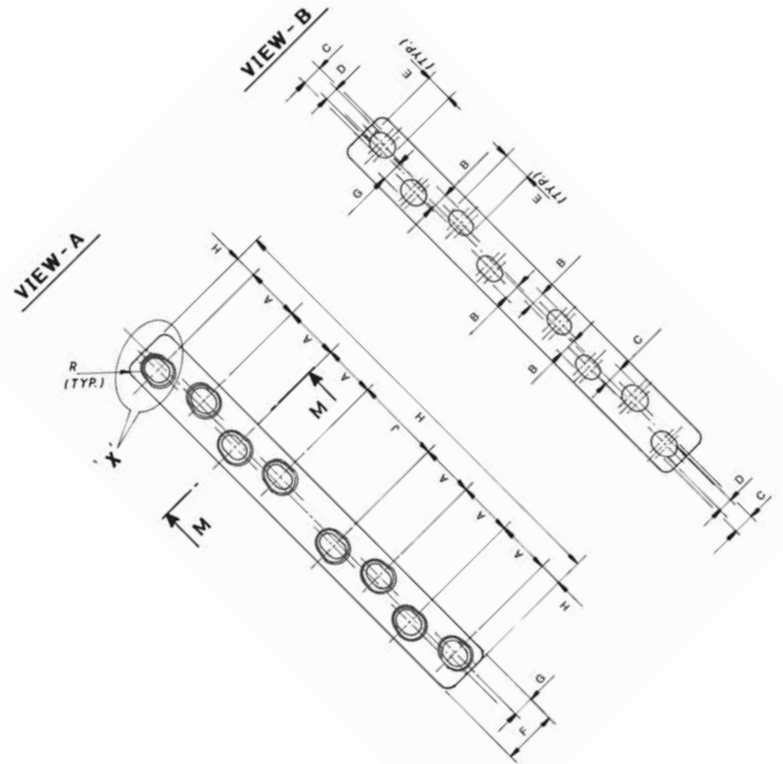


**BROAD DYNAMIC COMPRESSION PLATE**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	71	158.104	Ti-158.104
5	87	158.105	Ti-158.105
6	103	158.106	Ti-158.106
7	119	158.107	Ti-158.107
8	135	158.108	Ti-158.108
9	151	158.109	Ti-158.109
10	167	158.110	Ti-158.110
11	183	158.111	Ti-158.111
12	199	158.112	Ti-158.112
13	215	158.113	Ti-158.113
14	231	158.114	Ti-158.114
15	247	158.115	Ti-158.115
16	263	158.116	Ti-158.116
17	279	158.117	Ti-158.117
18	295	158.118	Ti-158.118
19	311	158.119	Ti-158.119
20	327	158.120	Ti-158.120

Fixation with 4.5 & 6.5mm screws. All holes are designed as self-compressing holes. All the end holes are designed for cancellous bone screws.

Indication: As a tension band plate on the femur and for humeral pseudoarthrosis (not intended for the tibia). Use broad plates with six or seven holes in exceptional cases only, e.g. on the humerus.



**SEMI-TUBULAR PLATES FOR 4.5MM SCREWS**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	71	156.104	Ti-156.104
5	87	156.105	Ti-156.105
6	103	156.106	Ti-156.106
7	119	156.107	Ti-156.107
8	135	156.108	Ti-156.108
9	151	156.109	Ti-156.109
10	167	156.110	Ti-156.110
11	183	156.111	Ti-156.111
12	199	156.112	Ti-156.112

Fixation with 4.5 & 6.5mm screws. A compression effect can be achieved by eccentric positioning of the screws remote from the fracture line.



**BROAD LIMITED CONTACT DYNAMIC COMPRESSION PLATE**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	70	151.104	Ti-151.104
5	88	151.105	Ti-151.105
6	106	151.106	Ti-151.106
7	124	151.107	Ti-151.107
8	142	151.108	Ti-151.108
9	160	151.109	Ti-151.109
10	178	151.110	Ti-151.110
11	196	151.111	Ti-151.111
12	214	151.112	Ti-151.112
13	232	151.113	Ti-151.113
14	250	151.114	Ti-151.114
15	268	151.115	Ti-151.115
16	286	151.116	Ti-151.116
17	304	151.117	Ti-151.117
18	322	151.118	Ti-151.118
19	340	151.119	Ti-151.119
20	358	151.120	Ti-151.120

Fixation with 4.5 & 6.5mm screws.

Undercuts: For reduced vascular damage. The end holes can be used for cancellous bone screws. The LC-DCP holes allow compression in both directions of the longitudinal axis.

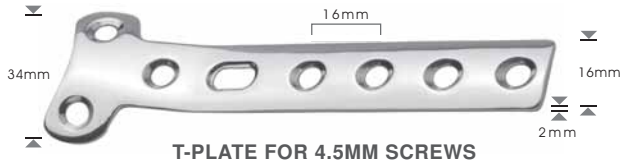
Indication: As a tension band plate on the Femur and for Humeral Pseudoarthrosis (not intended for the Tibia).



**SPOON PLATE**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
5	100	155.105	Ti-155.105
6	120	155.106	Ti-155.106

Shaft with V-profile for the fixation on the frontal edge of the tibia. Fixation with 4.5mm cortical screws.



**T-PLATE FOR 4.5MM SCREWS**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	68	159.103	Ti-159.103
4	84	159.104	Ti-159.104
5	100	159.105	Ti-159.105
6	116	159.106	Ti-159.106
7	132	159.107	Ti-159.107
8	148	159.108	Ti-159.108
9	164	159.109	Ti-159.109
10	180	159.110	Ti-159.110
11	196	159.111	Ti-159.111
12	212	159.112	Ti-159.112
13	228	159.113	Ti-159.113
14	244	159.114	Ti-159.114

Shaft with round profile, for humeral and tibial head. Fixation with 4.5 & 6.5mm screws.

**T-BUTTRUSS PLATE FOR 4.5MM SCREWS**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
4	81	160.104	Ti-160.104
5	96	160.105	Ti-160.105
6	112	160.106	Ti-160.106
7	128	160.107	Ti-160.107
8	144	160.108	Ti-160.108
9	160	160.109	Ti-160.109
10	176	160.110	Ti-160.110
11	192	160.111	Ti-160.111
12	208	160.112	Ti-160.112
13	224	160.113	Ti-160.113
14	240	160.114	Ti-160.114

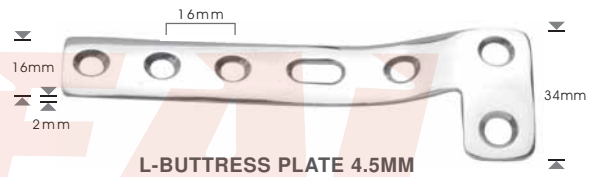
With double bend, as buttress for tibial head fractures. Fixation with 4.5mm & 6.5mm screws.



**L-BUTTRUSS PLATE 4.5MM FOR RIGHT LEG**

No. of Holes	Length in mm	Codes - for Right Leg	
		S.S.	Titanium
3	69	161.103R	Ti-161.103R
4	85	161.104R	Ti-161.104R
5	101	161.105R	Ti-161.105R
6	117	161.106R	Ti-161.106R
7	133	161.107R	Ti-161.107R
8	149	161.108R	Ti-161.108R
9	165	161.109R	Ti-161.109R
10	181	161.110R	Ti-161.110R
11	197	161.111R	Ti-161.111R
12	213	161.112R	Ti-161.112R
13	229	161.113R	Ti-161.113R
14	245	161.114R	Ti-161.114R

With double bend, as buttress for tibial and humeral head fractures. Left angled for right leg.



**L-BUTTRUSS PLATE 4.5MM FOR LEFT LEG**

No. of Holes	Length in mm	Codes - for Left Leg	
		S.S.	Titanium
3	69	161.133L	Ti-161.133L
4	85	161.134L	Ti-161.134L
5	101	161.135L	Ti-161.135L
6	117	161.136L	Ti-161.136L
7	133	161.137L	Ti-161.137L
8	149	161.138L	Ti-161.138L
9	165	161.139L	Ti-161.139L
10	181	161.140L	Ti-161.140L
11	197	161.141L	Ti-161.141L
12	213	161.142L	Ti-161.142L
13	229	161.143L	Ti-161.143L
14	245	161.144L	Ti-161.144L

With double bend, as buttress for tibial and humeral head fractures. Right angled for left leg.



**PROXIMAL LATERAL TIBIAL PLATE**

No. of Holes	Codes - for Left Leg		Codes - for Right Leg	
	S.S.	Titanium	S.S.	Titanium
3	622.003L	Ti-622.003L	622.003R	Ti-622.003R
5	622.005L	Ti-622.005L	622.005R	Ti-622.005R
7	622.007L	Ti-622.007L	622.007R	Ti-622.007R
9	622.009L	Ti-622.009L	622.009R	Ti-622.009R
11	622.011L	Ti-622.011L	622.011R	Ti-622.011R
13	622.013L	Ti-622.013L	622.013R	Ti-622.013R



**DISTAL TIBIAL PLATE**

No. of Holes	Codes - for Left Leg		Codes - for Right Leg	
	S.S.	Titanium	S.S.	Titanium
3	623.003L	Ti-623.003L	623.003R	Ti-623.003R
5	623.005L	Ti-623.005L	623.005R	Ti-623.005R
7	623.007L	Ti-623.007L	623.007R	Ti-623.007R
9	623.009L	Ti-623.009L	623.009R	Ti-623.009R
11	623.011L	Ti-623.011L	623.011R	Ti-623.011R
13	623.013L	Ti-623.013L	623.013R	Ti-623.013R



**CONDYLAR BUTTRESS PLATES 4.5MM FOR LEFT LEG**

No. of Holes	Codes - for Left Leg	
	S.S.	Titanium
7	164.007L	Ti-164.007L
9	164.009L	Ti-164.009L
11	164.011L	Ti-164.011L
12	164.012L	Ti-164.012L
13	164.013L	Ti-164.013L
15	164.015L	Ti-164.015L

As buttress for the femoral condyles with multiple fragment fractures.



**CONDYLAR BUTTRESS PLATES 4.5MM FOR RIGHT LEG**

No. of Holes	Codes - for Right Leg	
	S.S.	Titanium
7	164.107R	Ti-164.107R
9	164.109R	Ti-164.109R
11	164.111R	Ti-164.111R
12	164.112R	Ti-164.112R
13	164.113R	Ti-164.113R
15	164.115R	Ti-164.115R

As buttress for the femoral condyles with multiple fragment fractures.



**CONDYLAR BUTTRESS PLATES 4.5mm WITH LC UNDER CUTS AND LOW CONTACT DYNAMIC COMPRESSION PLATE HOLES FOR LEFT LEG**

No. of Holes	Codes - for Left Leg	
	S.S.	Titanium
7	164.307L	Ti-164.307L
9	164.309L	Ti-164.309L
11	164.311L	Ti-164.311L
12	164.312L	Ti-164.312L
13	164.313L	Ti-164.313L
15	164.315L	Ti-164.315L

With LC under cuts and LC-DCP holes which allow compression in both directions of longitudinal axis.



**CONDYLAR BUTTRESS PLATES 4.5mm WITH LC UNDER CUTS AND LOW CONTACT DYNAMIC COMPRESSION PLATE HOLES FOR RIGHT LEG**

No. of Holes	Codes - for Right Leg	
	S.S.	Titanium
7	164.407R	Ti-164.407R
9	164.409R	Ti-164.409R
11	164.411R	Ti-164.411R
12	164.412R	Ti-164.412R
13	164.413R	Ti-164.413R
15	164.415R	Ti-164.415R

With LC under cuts and LC-DCP holes which allow compression in both directions of longitudinal axis.



**HOOK PLATE 4.5MM WITH DYNAMIC COMPRESSION PLATE 6 HOLES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
6	128	194.000	Ti-194.000

Fixation with 4.5mm Cortical Screws.  
Shaft with DCP dynamic compression holes and slot for tension device.



**COBRA HEAD PLATE - 4.5 MM**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
8	170	193.008	Ti-193.008
9	186	193.009	Ti-193.009
10	202	193.010	Ti-193.010
11	218	193.011	Ti-193.011
12	234	193.012	Ti-193.012
13	250	193.013	Ti-193.013
14	266	193.014	Ti-193.014

Shaft with DCP dynamic compression holes.  
In the two shaft holes next to the head, two 4.5mm cortical screws, length 68mm, are normally used.



**4.5 MM RECONSTRUCTION PLATES  
STRAIGHT**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
3	45	149.103	Ti-149.103
4	61	149.104	Ti-149.104
5	77	149.105	Ti-149.105
6	93	149.106	Ti-149.106
7	109	149.107	Ti-149.107
8	125	149.108	Ti-149.108
9	141	149.109	Ti-149.109
10	157	149.110	Ti-149.110
11	173	149.111	Ti-149.111
12	189	149.112	Ti-149.112
13	205	149.113	Ti-149.113
14	221	149.114	Ti-149.114
15	237	149.115	Ti-149.115
16	253	149.116	Ti-149.116
17	269	149.117	Ti-149.117
18	285	149.118	Ti-149.118
20	317	149.120	Ti-149.120
22	349	149.122	Ti-149.122

Do Not Bend more than 15°.



**LATERAL TIBIAL HEAD BUTTRESS PLATE 4.5  
FOR RIGHT LEG**

No. of Holes	Length in mm	Codes - for Right Leg	
		S.S.	Titanium
5	117	165.005R	Ti-165.005R
7	149	165.007R	Ti-165.007R
9	181	165.009R	Ti-165.009R
11	213	165.011R	Ti-165.011R
13	245	165.013R	Ti-165.013R

Left angled for right leg.



**LATERAL TIBIAL HEAD BUTTRESS PLATE 4.5  
FOR LEFT LEG**

No. of Holes	Length in mm	Codes - for Left Leg	
		S.S.	Titanium
5	117	165.105L	Ti-165.105L
7	149	165.107L	Ti-165.107L
9	181	165.109L	Ti-165.109L
11	213	165.111L	Ti-165.111L
13	245	165.113L	Ti-165.113L

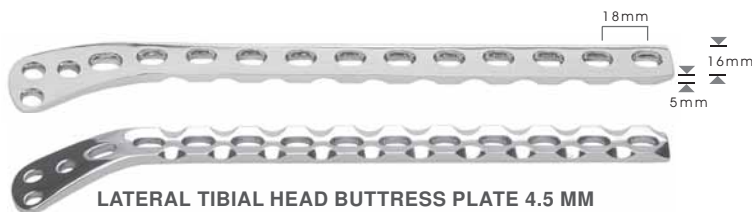
Right angled for left leg.



**LATERAL TIBIAL HEAD BUTTRESS PLATE 4.5 MM  
WITH LC UNDER CUTS WITH LOW CONTACT DYNAMIC  
COMPRESSION HOLES  
FOR LEFT LEG**

No. of Holes	Codes - for Left Leg	
	S.S.	Titanium
5	165.305L	Ti-165.305L
7	165.307L	Ti-165.307L
9	165.309L	Ti-165.309L
11	165.311L	Ti-165.311L
13	165.313L	Ti-165.313L

With LC under cuts and LC-DCP holes which allow compression in both directions of longitudinal axis.



**LATERAL TIBIAL HEAD BUTTRESS PLATE 4.5 MM  
WITH LC UNDER CUTS WITH LOW CONTACT DYNAMIC  
COMPRESSION HOLES  
FOR RIGHT LEG**

No. of Holes	Codes - for Left Leg	
	S.S.	Titanium
5	165.405R	Ti-165.405R
7	165.407R	Ti-165.407R
9	165.409R	Ti-165.409R
11	165.411R	Ti-165.411R
13	165.413R	Ti-165.413R

With LC under cuts and LC-DCP holes which allow compression in both directions of longitudinal axis.



**DRILL BIT - S.S. - QUICK COUPLING END**

Code No.	Dia. mm	Length mm
260.320	3.2	130
260.450	4.5	130

Other sizes are available under **General Instruments**.



**DRILL BIT - PLAIN SHANK / JACOB CHUCK END**

Code No.	Dia. mm	Length mm
261.632	3.2	130
261.645	4.5	130

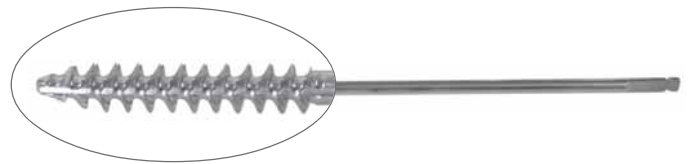
Other sizes are available under **General Instruments**.



**BONE TAP WITH T-HANDLE**

Code No.	Dia. mm	
263.040	4.5	Cortical
263.045	4.5	Extra Long
263.050	6.5	Cancellous

Other sizes are available under **General Instruments**.



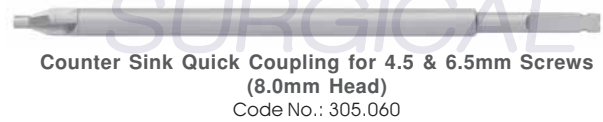
**BONE TAP - QUICK COUPLING END**

Code No.	Dia. mm	
264.040	4.5	Cortical
264.045	4.5	Extra Long
264.050	6.5	Cancellous

Other sizes are available under **General Instruments**.



**Counter Sink for 4.5 & 6.5mm Screws  
(8.0mm Head)**  
Code No.: 305.030



**Counter Sink Quick Coupling for 4.5 & 6.5mm Screws  
(8.0mm Head)**  
Code No.: 305.060



**Quick Coupling Handle (T-Type)**  
Code No.: 306.010



**Lane Screw Driver**  
Code No.: 301.010



**Quick Coupling Adaptor with Jacob End**  
Code No.: 306.030



**Quick Coupling Fibre Handle with Rotation**  
Code No.: 306.020

INSTRUMENTS FOR LARGE FRAGMENTS



**Hexagonal Screw Driver with Sleeve, 3.5mm Tip  
(Excel)**  
Code No.: 301.031



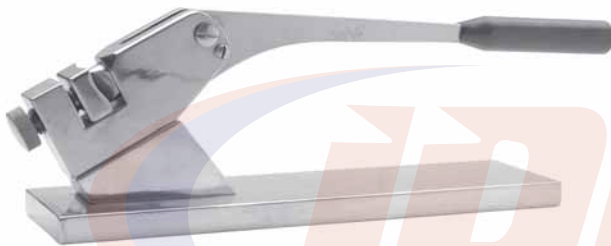
**Hexagonal Screw Driver 3.5mm Tip**  
Code No.: 301.050



**Screw Driver Shaft, Q.C. End - 3.5mm Tip**  
Code No.: 301.070



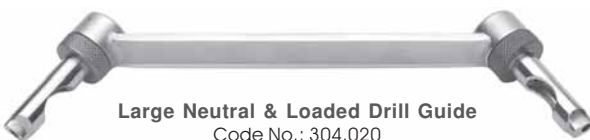
**Large Plate Bender - Pair**  
Code No.: 302.020



**Plate Bending Press**  
Code No.: 302.070



**Large Depth Gauge**  
Code No.: 303.020



**Large Neutral & Loaded Drill Guide**  
Code No.: 304.020



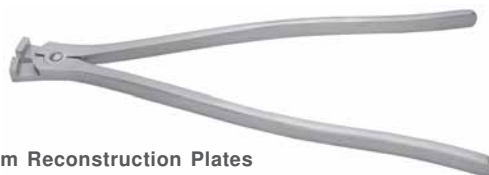
**Drill Sleeve 3.2mm**  
Code No.: 307.030



**Drill Sleeve 3.5mm**  
Code No.: 307.040



**Plate Bending Pliers (Roller Type)**  
Code No.: 302.030



**Plate Bender for 4.5mm Reconstruction Plates**  
Code No.: 302.060



**Tap Sleeve 4.5mm**  
Code No.: 307.045



**Tap Sleeve 6.5mm**  
Code No.: 307.046



**Drill Sleeve 4.5mm**  
Code No.: 307.050



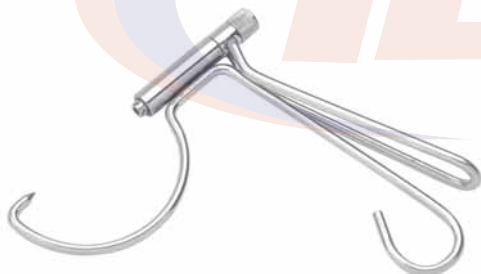
**Drill & Tap Sleeve Combined 3.2/4.5mm**  
Code No.: 307.070



**Drill & Tap Sleeve Combined 3.2/6.5mm**  
Code No.: 307.080



**Insert Drill Sleeve 4.5/3.2mm**  
Code No.: 307.095



**Pointed Drill Guide**  
Code No.: 308.000

IDEAL  
SURGICAL



**Screw Holding Forceps**  
Code No.: 309.000



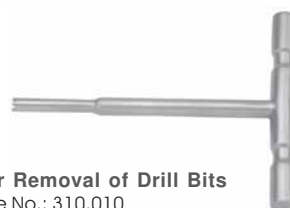
**Hollow Mill for removal of Screws, Large**  
Code No.: 310.030



**Hollow Mill for Removal of Drill Bits**  
Code No.: 310.010



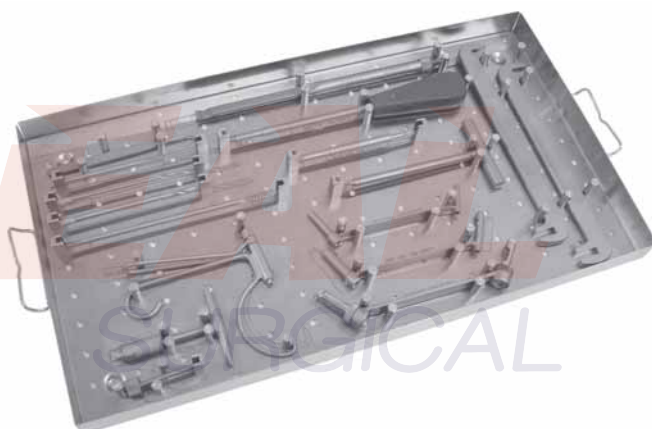
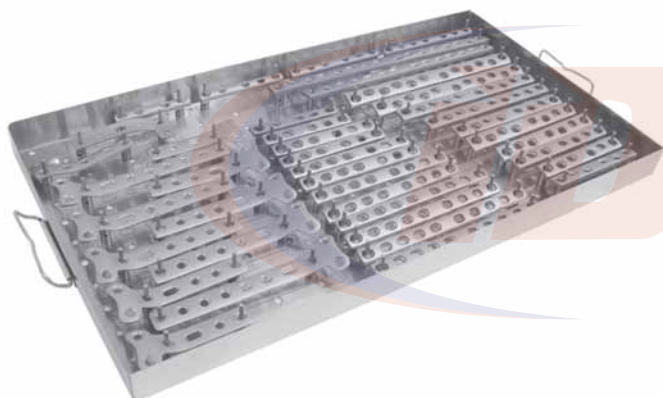
**Sharp Hook**  
Code No.: 371.000



## INSTRUMENTS & IMPLANTS SET FOR LARGE FRAGMENTS

### SCREW SET - LARGE, S.S. Code No.: AS013

<i>Set Consisting of:</i>	<b>Units</b>
<b>4.5mm Cortical Screw</b>	
7 each of 14, 16, 18, 20, 22, 24mm .....	42
14 each of 26, 28mm .....	28
12 each of 30, 32, 34, 36, 38mm .....	60
6 each of 40, 42, 44, 46, 48, 50mm .....	36
<b>6.5mm Cancellous Bone Screw/16mm</b>	
2 each of 25, 30, 35, 40, 45, 50, 55, 60mm .....	16
3 each of 65, 70, 75, 80, 85, 90, 95mm .....	21
2 each of 100, 105, 110mm .....	6
<b>6.5mm Cancellous Bone Screw/32mm</b>	
4 each of 25, 30, 35, 40, 45, 50, 55, 60mm .....	32
2 each of 65, 70, 75, 80, 85, 90mm .....	12
<b>Malleolar Screw 4.5mm</b>	
2 each of 25, 30, 35, 40, 45, 50, 55, 60mm .....	16
Large Washers .....	12
Screw Holding Forceps .....	1
S.S.Container (900.032) .....	1 set



### PLATE SET, S.S. Code No.: AS014

<i>Set Consisting of:</i>	<b>Units</b>
<b>Semi-Tubular Plate</b>	
1 each with 4, 5, 6, 7 Holes .....	4
<b>Narrow DCP - 4.5.</b> .....	12
2 each with 5, 6, 7, 8, 9, 10 Holes <b>Broad DCP - 4.5.</b> .....	12
2 each with 6, 7, 8 Holes	
1 each with 9, 10, 11, 12, 14, 16 Holes	
<b>T-Plate</b>	
1 each with 4, 5, 6, 7, 8 Holes in Shaft .....	5
<b>T-Buttress Plate</b>	
1 each with 4, 5, 6, 7, 8 Holes in Shaft .....	5
<b>L-Buttress Plate - Left Angled</b>	
Shaft with 4 Holes .....	1
<b>L-Buttress Plate - Right Angled</b>	
Shaft with 4 Holes .....	1
S.S.Container (900.042) .....	1 set

### BASIC INSTRUMENT SET, S.S. Code No.: AS010A

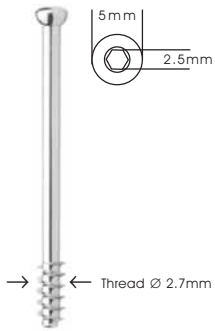
<i>Set Consisting of:</i>	<b>Units</b>
260.320 Drill Bit (Quick Coupling), 3.2mm x 130mm .....	1
260.450 Drill Bit (Quick Coupling), 4.5mm x 130mm .....	1
305.030 Counter Sink for 4.5 & 6.5mm Screws (8.0mm Head) ....	1
306.010 Quick Coupling Handle (T-Type) .....	1
264.040 Bone Tap with Quick Coupling for 4.5mm Cortical Screws L-130mm .....	1
264.050 Bone Tap with Quick Coupling for 6.5mm Cancellous Screws .....	1
307.095 Insert Drill Sleeve 4.5/3.2mm .....	1
307.070 Drill & Tap Sleeve combined 3.2/4.5mm .....	1
307.080 Drill & Tap Sleeve combined 3.2/6.5mm .....	1
301.070 Large Hexagonal Screw Driver Shaft .....	1
301.050 Large Hexagonal Screw Driver .....	1
303.020 Depth Gauge for 4.5mm & 6.5mm Screws .....	1
371.000 Sharp Hook .....	1
304.020 Large Neutral & Loaded Drill Guide .....	1
308.000 Pointed Drill Guide .....	1
302.020 Large Plate Bender (pair) .....	1
900.048 S.S.Container .....	1

## CANNULATED SCREWS



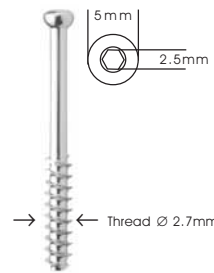


### 2.7MM CORTICAL CANNULATED SCREWS, SHORT THREAD



Length in mm.	Codes	
	S.S.	Titanium
10	450.010	Ti-450.010
12	450.012	Ti-450.012
14	450.014	Ti-450.014
16	450.016	Ti-450.016
18	450.018	Ti-450.018
20	450.020	Ti-450.020
22	450.022	Ti-450.022
24	450.024	Ti-450.024
26	450.026	Ti-450.026
28	450.028	Ti-450.028
30	450.030	Ti-450.030

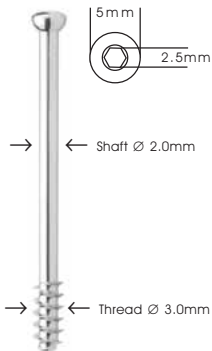
### 2.7MM CORTICAL CANNULATED SCREWS, LONG THREAD



Length mm	Th. L. mm	Codes	
		S.S.	Titanium
10	4	450.110	Ti-450.110
12	5	450.112	Ti-450.112
14	6	450.114	Ti-450.114
16	7	450.116	Ti-450.116
18	8	450.118	Ti-450.118
20	9	450.120	Ti-450.120
22	10	450.122	Ti-450.122
24	10	450.124	Ti-450.124
26	12	450.126	Ti-450.126
28	12	450.128	Ti-450.128
30	14	450.130	Ti-450.130

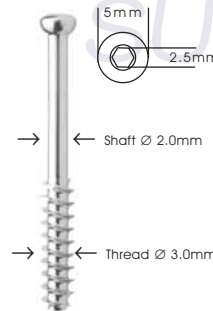
Note: Self Tapping Screws available on request.

### 3.0MM CANCELLOUS CANNULATED SCREWS, SHORT THREAD



Length mm	Th. L. mm	Codes	
		S.S.	Titanium
10	4	451.010	Ti-451.010
12	4	451.012	Ti-451.012
14	4	451.014	Ti-451.014
16	4	451.016	Ti-451.016
18	5	451.018	Ti-451.018
20	5	451.020	Ti-451.020
22	5	451.022	Ti-451.022
24	6	451.024	Ti-451.024
26	6	451.026	Ti-451.026
28	6	451.028	Ti-451.028
30	6	451.030	Ti-451.030
32	6	451.032	Ti-451.032
34	7	451.034	Ti-451.034
36	7	451.036	Ti-451.036
38	8	451.038	Ti-451.038
40	8	451.040	Ti-451.040
42	8	451.042	Ti-451.042
44	9	451.044	Ti-451.044
46	9	451.046	Ti-451.046
48	10	451.048	Ti-451.048
50	10	451.050	Ti-451.050

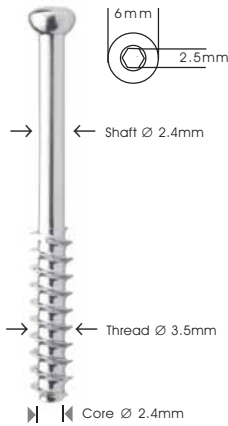
### 3.0MM CANCELLOUS CANNULATED SCREWS, LONG THREAD



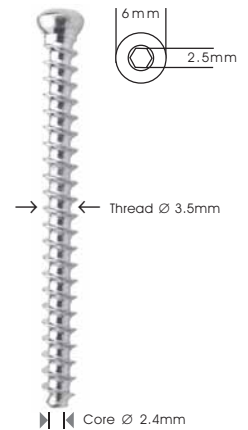
Length mm	Th. L. mm	Codes	
		S.S.	Titanium
14	6	451.110	Ti-451.110
16	7	451.112	Ti-451.112
18	8	451.114	Ti-451.114
20	9	451.116	Ti-451.116
22	10	451.117	Ti-451.117
24	10	451.118	Ti-451.118
26	12	451.119	Ti-451.119
28	12	451.120	Ti-451.120
30	14	451.122	Ti-451.122
32	14	451.124	Ti-451.124
34	16	451.126	Ti-451.126
36	16	451.128	Ti-451.128
38	18	451.130	Ti-451.130
40	18	451.132	Ti-451.132
42	20	451.134	Ti-451.134
44	20	451.136	Ti-451.136
46	22	451.138	Ti-451.138
48	22	451.140	Ti-451.140
50	22	451.142	Ti-451.142



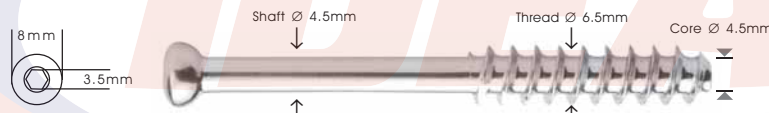
3.5MM CORTICAL CANNULATED SCREWS



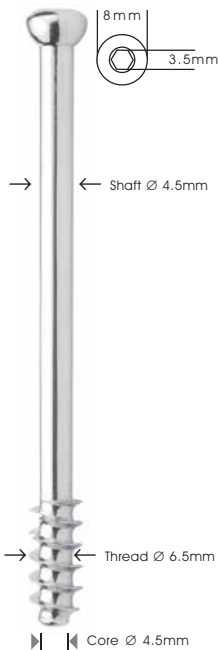
Length mm	Partial Thread		Full Thread	
	S.S.	Titanium	S.S.	Titanium
10	452.110	Ti-452.110	452.210	Ti-452.210
12	452.112	Ti-452.112	452.212	Ti-452.212
14	452.114	Ti-452.114	452.214	Ti-452.214
16	452.116	Ti-452.116	452.216	Ti-452.216
18	452.118	Ti-452.118	452.218	Ti-452.218
20	452.120	Ti-452.120	452.220	Ti-452.220
22	452.122	Ti-452.122	452.222	Ti-452.222
24	452.124	Ti-452.124	452.224	Ti-452.224
26	452.126	Ti-452.126	452.226	Ti-452.226
28	452.128	Ti-452.128	452.228	Ti-452.228
30	452.130	Ti-452.130	452.230	Ti-452.230
32	452.132	Ti-452.132	452.232	Ti-452.232
34	452.134	Ti-452.134	452.234	Ti-452.234
36	452.136	Ti-452.136	452.236	Ti-452.236
38	452.138	Ti-452.138	452.238	Ti-452.238
40	452.140	Ti-452.140	452.240	Ti-452.240
42	452.142	Ti-452.142	452.242	Ti-452.242
44	452.144	Ti-452.144	452.244	Ti-452.244
46	452.146	Ti-452.146	452.246	Ti-452.246
48	452.148	Ti-452.148	452.248	Ti-452.248
50	452.150	Ti-452.150	452.250	Ti-452.250



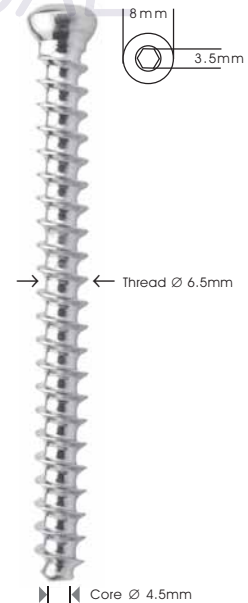
Note: Self Tapping Screws available on request.



6.5MM CANCELLOUS CANNULATED SCREWS

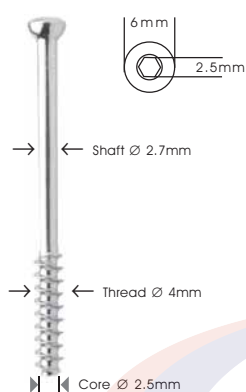


Length mm	16mm Thread		32mm Thread		Full Thread	
	S.S.	Titanium	S.S.	Titanium	S.S.	Titanium
30	455.030	Ti-455.030	455.230	Ti-455.230	455.430	Ti-455.430
35	455.035	Ti-455.035	455.235	Ti-455.235	455.435	Ti-455.435
40	455.040	Ti-455.040	455.240	Ti-455.240	455.440	Ti-455.440
45	455.045	Ti-455.045	455.245	Ti-455.245	455.445	Ti-455.445
50	455.050	Ti-455.050	455.250	Ti-455.250	455.450	Ti-455.450
55	455.055	Ti-455.055	455.255	Ti-455.255	455.455	Ti-455.455
60	455.060	Ti-455.060	455.260	Ti-455.260	455.460	Ti-455.460
65	455.065	Ti-455.065	455.265	Ti-455.265	455.465	Ti-455.465
70	455.070	Ti-455.070	455.270	Ti-455.270	455.470	Ti-455.470
75	455.075	Ti-455.075	455.275	Ti-455.275	455.475	Ti-455.475
80	455.080	Ti-455.080	455.280	Ti-455.280	455.480	Ti-455.480
85	455.085	Ti-455.085	455.285	Ti-455.285	455.485	Ti-455.485
90	455.090	Ti-455.090	455.290	Ti-455.290	455.490	Ti-455.490
95	455.095	Ti-455.095	455.295	Ti-455.295	455.495	Ti-455.495
100	455.100	Ti-455.100	455.300	Ti-455.300	455.500	Ti-455.500
105	455.105	Ti-455.105	455.305	Ti-455.305	455.505	Ti-455.505
110	455.110	Ti-455.110	455.310	Ti-455.310	455.510	Ti-455.510
115	455.115	Ti-455.115	455.315	Ti-455.315	455.515	Ti-455.515
120	455.120	Ti-455.120	455.320	Ti-455.320	455.520	Ti-455.520
125	455.125	Ti-455.125	455.325	Ti-455.325	455.525	Ti-455.525
130	455.130	Ti-455.130	455.330	Ti-455.330	455.530	Ti-455.530
135	455.135	Ti-455.135	455.335	Ti-455.335	455.535	Ti-455.535
140	455.140	Ti-455.140	455.340	Ti-455.340	455.540	Ti-455.540
145	455.145	Ti-455.145	455.345	Ti-455.345	455.545	Ti-455.545
150	455.150	Ti-455.150	455.350	Ti-455.350	455.550	Ti-455.550

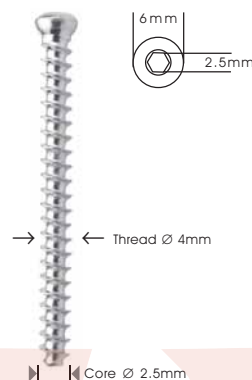




### SMALL CANNULATED CANCELLOUS SCREWS, 4.0MM DIA., SHORT THREAD



### SMALL CANNULATED CANCELLOUS SCREW 4.0MM DIA., FULL LENGTH THREAD



Size in mm	Short Thread		Short Thread (Self Tapping)	
	S.S.	Titanium	S.S.	Titanium
10	116.010	Ti-116.010	116.310	Ti-116.310
12	116.012	Ti-116.012	116.312	Ti-116.312
14	116.014	Ti-116.014	116.314	Ti-116.314
16	116.016	Ti-116.016	116.316	Ti-116.316
18	116.018	Ti-116.018	116.318	Ti-116.318
20	116.020	Ti-116.020	116.320	Ti-116.320
22	116.022	Ti-116.022	116.322	Ti-116.322
24	116.024	Ti-116.024	116.324	Ti-116.324
26	116.026	Ti-116.026	116.326	Ti-116.326
28	116.028	Ti-116.028	116.328	Ti-116.328
30	116.030	Ti-116.030	116.330	Ti-116.330
32	116.032	Ti-116.032	116.332	Ti-116.332
34	116.034	Ti-116.034	116.334	Ti-116.334
36	116.036	Ti-116.036	116.336	Ti-116.336
38	116.038	Ti-116.038	116.338	Ti-116.338
40	116.040	Ti-116.040	116.340	Ti-116.340
42	116.042	Ti-116.042	116.342	Ti-116.342
44	116.044	Ti-116.044	116.344	Ti-116.344
46	116.046	Ti-116.046	116.346	Ti-116.346
48	116.048	Ti-116.048	116.348	Ti-116.348
50	116.050	Ti-116.050	116.350	Ti-116.350
55	116.055	Ti-116.055	116.355	Ti-116.355
60	116.060	Ti-116.060	116.360	Ti-116.360

Size in mm	Full Thread		Full Thread (Self Tapping)*	
	S.S.	Titanium	S.S.	Titanium
10	116.210	Ti-116.210	116.410	Ti-116.410
12	116.212	Ti-116.212	116.412	Ti-116.412
14	116.214	Ti-116.214	116.414	Ti-116.414
16	116.216	Ti-116.216	116.416	Ti-116.416
18	116.218	Ti-116.218	116.418	Ti-116.418
20	116.220	Ti-116.220	116.420	Ti-116.420
22	116.222	Ti-116.222	116.422	Ti-116.422
24	116.224	Ti-116.224	116.424	Ti-116.424
26	116.226	Ti-116.226	116.426	Ti-116.426
28	116.228	Ti-116.228	116.428	Ti-116.428
30	116.230	Ti-116.230	116.430	Ti-116.430
32	116.232	Ti-116.232	116.432	Ti-116.432
34	116.234	Ti-116.234	116.434	Ti-116.434
36	116.236	Ti-116.236	116.436	Ti-116.436
38	116.238	Ti-116.238	116.438	Ti-116.438
40	116.240	Ti-116.240	116.440	Ti-116.440
42	116.242	Ti-116.242	116.442	Ti-116.442
44	116.244	Ti-116.244	116.444	Ti-116.444
46	116.246	Ti-116.246	116.446	Ti-116.446
48	116.248	Ti-116.248	116.448	Ti-116.448
50	116.250	Ti-116.250	116.450	Ti-116.450
55	116.255	Ti-116.255	116.455	Ti-116.455
60	116.260	Ti-116.260	116.460	Ti-116.460

Cannulated Drill Bit : 2.7mm  
Cannulation: 1.35mm

Cannulated Drill Bit : 2.7mm  
Cannulation: 1.35mm

\*All self tapping cannulated screws have self drilling also.

☐ 4.0MM CANNULATED CANCELLOUS INSTRUMENT SET



**Quick Coupling Tap Handle Cannulated**  
Code No.: 800.051



**Holding Clip**  
Code No.: 800.054

**Threaded Guide Wire 1.25mm x 150mm**  
Code No.: 800.057

**Stylet 1.25mm, Length 220mm**  
Code No.: 800.060



**Double Drill Sleeve 2.7 / 1.25mm**  
Code No.: 800.063

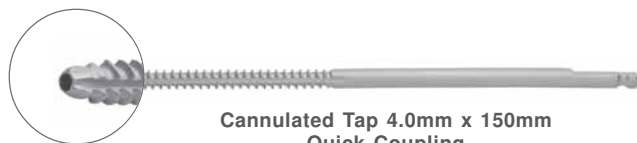


**Drill & Tap Sleeve 2.5 / 3.5mm**  
Code No.: 800.066



**Cannulated Counter Sink - Quick Coupling**  
(6mm Head, Length 150mm)  
Code No.: 800.069

Code No.	Description
800.073	Direct Measuring Device for 4.0mm Cancellous Cannulated Screws



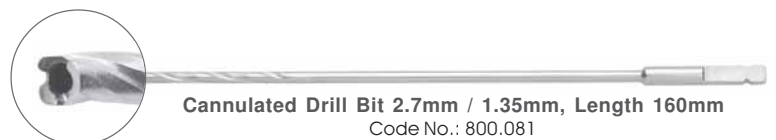
**Cannulated Tap 4.0mm x 150mm**  
Quick Coupling  
Code No.: 800.075



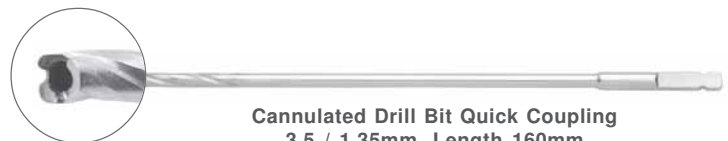
**Cannulated Hexagonal Screw Driver 2.5mm Tip**  
Code No.: 800.078



**Drill Guide with Stop**  
with two inserts 3.5mm / 2.7mm  
Code No.: 800.087



**Cannulated Drill Bit 2.7mm / 1.35mm, Length 160mm**  
Code No.: 800.081

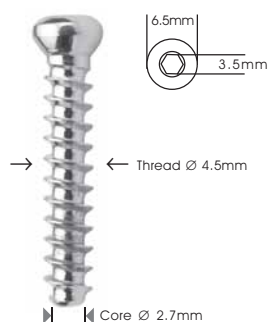


**Cannulated Drill Bit Quick Coupling**  
3.5 / 1.35mm, Length 160mm  
Code No.: 800.084



**CORTICAL CANNULATED  
SCREW 4.5MM DIA  
SHORT THREAD**

**CORTICAL CANNULATED  
SCREW 4.5MM DIA.,  
FULL THREAD**



Size in mm	Full Thread		Full Thread (Self Tapping)	
	S.S.	Titanium	S.S.	Titanium
20	117.020	Ti-117.020	117.220	Ti-117.220
22	117.022	Ti-117.022	117.222	Ti-117.222
24	117.024	Ti-117.024	117.224	Ti-117.224
26	117.026	Ti-117.026	117.226	Ti-117.226
28	117.028	Ti-117.028	117.228	Ti-117.228
30	117.030	Ti-117.030	117.230	Ti-117.230
32	117.032	Ti-117.032	117.232	Ti-117.232
34	117.034	Ti-117.034	117.234	Ti-117.234
36	117.036	Ti-117.036	117.236	Ti-117.236
38	117.038	Ti-117.038	117.238	Ti-117.238
40	117.040	Ti-117.040	117.240	Ti-117.240
42	117.042	Ti-117.042	117.242	Ti-117.242
44	117.044	Ti-117.044	117.244	Ti-117.244
46	117.046	Ti-117.046	117.246	Ti-117.246
48	117.048	Ti-117.048	117.248	Ti-117.248
50	117.050	Ti-117.050	117.250	Ti-117.250
52	117.052	Ti-117.052	117.252	Ti-117.252
54	117.054	Ti-117.054	117.254	Ti-117.254
56	117.056	Ti-117.056	117.256	Ti-117.256
58	117.058	Ti-117.058	117.258	Ti-117.258
60	117.060	Ti-117.060	117.260	Ti-117.260
62	117.062	Ti-117.062	117.262	Ti-117.262
64	117.064	Ti-117.064	117.264	Ti-117.264
66	117.066	Ti-117.066	117.266	Ti-117.266
68	117.068	Ti-117.068	117.268	Ti-117.268
70	117.070	Ti-117.070	117.270	Ti-117.270
72	117.072	Ti-117.072	117.272	Ti-117.272
74	117.074	Ti-117.074	117.274	Ti-117.274

Size in mm	Short Thread		Short Thread (Self Tapping)*	
	S.S.	Titanium	S.S.	Titanium
20	117.120	Ti-117.120	117.320	Ti-117.320
22	117.122	Ti-117.122	117.322	Ti-117.322
24	117.124	Ti-117.124	117.324	Ti-117.324
26	117.126	Ti-117.126	117.326	Ti-117.326
28	117.128	Ti-117.128	117.328	Ti-117.328
30	117.130	Ti-117.130	117.330	Ti-117.330
32	117.132	Ti-117.132	117.332	Ti-117.332
34	117.134	Ti-117.134	117.334	Ti-117.334
36	117.136	Ti-117.136	117.336	Ti-117.336
38	117.138	Ti-117.138	117.338	Ti-117.338
40	117.140	Ti-117.140	117.340	Ti-117.340
42	117.142	Ti-117.142	117.342	Ti-117.342
44	117.144	Ti-117.144	117.344	Ti-117.344
46	117.146	Ti-117.146	117.346	Ti-117.346
48	117.148	Ti-117.148	117.348	Ti-117.348
50	117.150	Ti-117.150	117.350	Ti-117.350
52	117.152	Ti-117.152	117.352	Ti-117.352
54	117.154	Ti-117.154	117.354	Ti-117.354
56	117.156	Ti-117.156	117.356	Ti-117.356
58	117.158	Ti-117.158	117.358	Ti-117.358
60	117.160	Ti-117.160	117.360	Ti-117.360
62	117.162	Ti-117.162	117.362	Ti-117.362
64	117.164	Ti-117.164	117.364	Ti-117.364
66	117.166	Ti-117.166	117.366	Ti-117.366
68	117.168	Ti-117.168	117.368	Ti-117.368
70	117.170	Ti-117.170	117.370	Ti-117.370
72	117.172	Ti-117.172	117.372	Ti-117.372
74	117.174	Ti-117.174	117.374	Ti-117.374

Drill Bit: 3.2mm  
Drill Bit for Gliding Hole: 4.5mm  
Cannulation: 1.75mm  
Guide Wire: 1.6mm

Drill Bit: 3.2mm  
Cannulation: 1.75mm  
Guide Wire: 1.6mm

\*All self tapping cannulated screws have self drilling also.

□ 4.5MM CORTICAL CANNULATED INSTRUMENT SET



**Quick Coupling Tap Handle Cannulated**  
Code No.: 800.051



**Holding Clip**  
Code No.: 800.054

**Threaded Guide Wire 1.6mm, Length 150mm**  
Code No.: 800.005

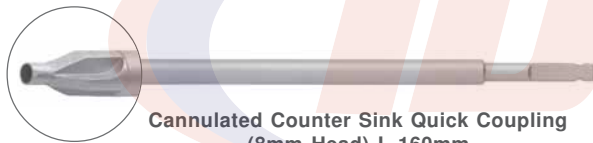
**Stylet 1.6mm, Length 255mm**  
Code No.: 800.007



**Double Drill Sleeve 4.5 / 3.2mm**  
Code No.: 800.009

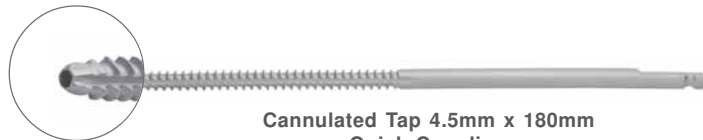


**Double Drill Sleeve 3.2 / 1.6mm**  
Code No.: 800.011



**Cannulated Counter Sink Quick Coupling  
(8mm Head) L-160mm**  
Code No.: 800.013

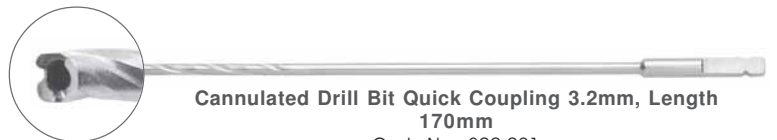
Code No.	Description
800.016	Direct Measuring Device for 4.5mm Cortical Cannulated Screws



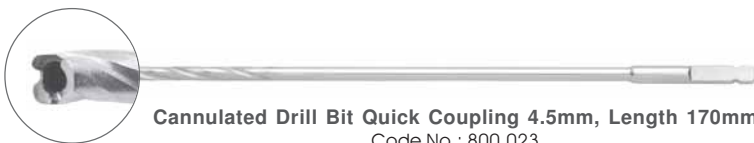
**Cannulated Tap 4.5mm x 180mm  
Quick Coupling**  
Code No.: 800.017



**Cannulated Hexagonal Screw Driver, 3.5mm Tip**  
Code No.: 703.016



**Cannulated Drill Bit Quick Coupling 3.2mm, Length  
170mm**  
Code No.: 800.021



**Cannulated Drill Bit Quick Coupling 4.5mm, Length 170mm**  
Code No.: 800.023

☐ INSTRUMENTS SETS FOR CANNULATED SCREWS



### 4.0MM CANCELLOUS CANNULATED INSTRUMENTS SET, S.S.

Code No.: AS080

<i>Set Consisting of:</i>		Units
800.051	Quick Coupling Tap Handle Cannulated .....	1
800.054	Holding Clip .....	1
800.057	Threaded Guide Wire 1.25mm x 150mm .....	10
800.060	Stylet 1.25mm, Length 220mm .....	1
800.063	Double Drill Sleeve 2.7 / 1.25mm .....	1
800.066	Drill & Tap Sleeve 2.5 / 3.5mm .....	1
800.069	Cannulated Counter Sink - Quick Coupling (6mm Head, Length 150mm) .....	1
800.073	Direct Measuring Device .....	1
800.075	Cannulated Tap 4.0mm x 150mm, Quick Coupling .....	1
800.078	Cannulated Hexagonal Screw Driver 2.5mm Tip .....	1
800.081	Cannulated Drill Bit 2.7mm / 1.35mm, Length 160mm .....	1
800.084	Cannulated Drill Bit Quick Coupling, 3.5 / 1.35mm, Length 160mm .....	1
800.087	Drill Guide with Stop with two inserts 3.5mm / 2.7mm .....	1
900.053	S.S.Container .....	1



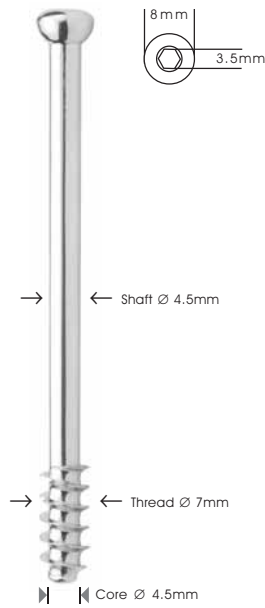
### 4.5MM CORTICAL CANNULATED INSTRUMENTS SET, S.S.

Code No.: AS082

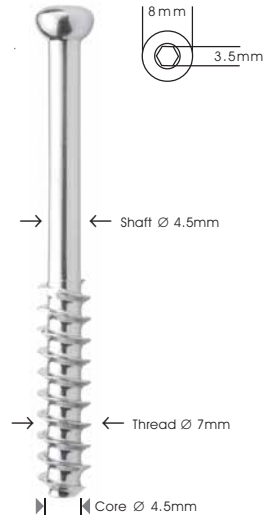
<i>Set Consisting of:</i>		Units
800.051	Quick Coupling Tap Handle - Cannulated .....	1
800.054	Holding Clip .....	1
800.005	Threaded Guide Wire 1.6mm, Length 150mm .....	10
800.007	Stylet 1.6mm, Length 255mm .....	1
800.009	Double Drill Sleeve 4.5 / 3.2mm .....	1
800.011	Double Drill Sleeve 3.2 / 1.6mm .....	1
800.013	Cannulated Counter Sink Quick Coupling (8mm Head) L-160mm .....	1
800.016	Direct Measuring Device .....	1
800.017	Cannulated Tap 4.5mm x 180mm, Quick Coupling .....	1
703.016	Cannulated Hexagonal Screw Driver 3.5mm Tip .....	1
800.021	Cannulated Drill Bit Quick Coupling 3.2mm, Length 170mm .....	1
800.023	Cannulated Drill Bit Quick Coupling 4.5mm, Length 170mm .....	1
900.055	S.S.Container .....	1

... 7MM CANNULATED

**LARGE CANNULATED  
CANCELLOUS SCREWS,  
7.0MM DIA., 16MM THREAD**



**LARGE CANNULATED  
CANCELLOUS SCREWS,  
7.0MM DIA., 32MM THREAD**



Size in mm	16mm Thread		16mm Thread (Self Tapping)*	
	S.S.	Titanium	S.S.	Titanium
50	111.050	Ti-111.050	111.250	Ti-111.250
55	111.055	Ti-111.055	111.255	Ti-111.255
60	111.060	Ti-111.060	111.260	Ti-111.260
65	111.065	Ti-111.065	111.265	Ti-111.265
70	111.070	Ti-111.070	111.270	Ti-111.270
75	111.075	Ti-111.075	111.275	Ti-111.275
80	111.080	Ti-111.080	111.280	Ti-111.280
85	111.085	Ti-111.085	111.285	Ti-111.285
90	111.090	Ti-111.090	111.290	Ti-111.290
95	111.095	Ti-111.095	111.295	Ti-111.295
100	111.100	Ti-111.100	111.300	Ti-111.300
105	111.105	Ti-111.105	111.305	Ti-111.305
110	111.110	Ti-111.110	111.310	Ti-111.310
115	111.115	Ti-111.115	111.315	Ti-111.315
120	111.120	Ti-111.120	111.320	Ti-111.320

Cannulated Drill Bit : 4.5mm

Size in mm	32mm Thread		32mm Thread (Self Tapping)*	
	S.S.	Titanium	S.S.	Titanium
50	112.050	Ti-112.050	112.250	Ti-112.250
55	112.055	Ti-112.055	112.255	Ti-112.255
60	112.060	Ti-112.060	112.260	Ti-112.260
65	112.065	Ti-112.065	112.265	Ti-112.265
70	112.070	Ti-112.070	112.270	Ti-112.270
75	112.075	Ti-112.075	112.275	Ti-112.275
80	112.080	Ti-112.080	112.280	Ti-112.280
85	112.085	Ti-112.085	112.285	Ti-112.285
90	112.090	Ti-112.090	112.290	Ti-112.290
95	112.095	Ti-112.095	112.295	Ti-112.295
100	112.100	Ti-112.100	112.300	Ti-112.300
105	112.105	Ti-112.105	112.305	Ti-112.305
110	112.110	Ti-112.110	112.310	Ti-112.310
115	112.115	Ti-112.115	112.315	Ti-112.315
120	112.120	Ti-112.120	112.320	Ti-112.320

Cannulated Drill Bit : 4.5mm

**7.3MM CANCELLOUS CANNULATED SCREWS**

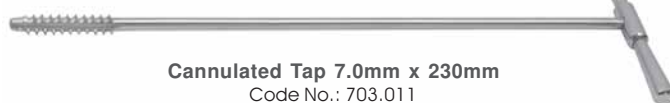
Length mm	16mm Thread		32mm Thread		Full Thread	
	S.S.	Titanium	S.S.	Titanium	S.S.	Titanium
50	555.050	Ti-555.050	555.250	Ti-555.250	555.450	Ti-555.450
55	555.055	Ti-555.055	555.255	Ti-555.255	555.455	Ti-555.455
60	555.060	Ti-555.060	555.260	Ti-555.260	555.460	Ti-555.460
65	555.065	Ti-555.065	555.265	Ti-555.265	555.465	Ti-555.465
70	555.070	Ti-555.070	555.270	Ti-555.270	555.470	Ti-555.470
75	555.075	Ti-555.075	555.275	Ti-555.275	555.475	Ti-555.475
80	555.080	Ti-555.080	555.280	Ti-555.280	555.480	Ti-555.480
85	555.085	Ti-555.085	555.285	Ti-555.285	555.485	Ti-555.485
90	555.090	Ti-555.090	555.290	Ti-555.290	555.490	Ti-555.490
95	555.095	Ti-555.095	555.295	Ti-555.295	555.495	Ti-555.495
100	555.100	Ti-555.100	555.300	Ti-555.300	555.500	Ti-555.500
105	555.105	Ti-555.105	555.305	Ti-555.305	555.505	Ti-555.505
110	555.110	Ti-555.110	555.310	Ti-555.310	555.510	Ti-555.510
115	555.115	Ti-555.115	555.315	Ti-555.315	555.515	Ti-555.515
120	555.120	Ti-555.120	555.320	Ti-555.320	555.520	Ti-555.520



INSTRUMENTS FOR 7.0MM CANNULATED SCREWS



**Cannulated Drill Bit 4.5mm x 230mm**  
Code No.: 703.010



**Cannulated Tap 7.0mm x 230mm**  
Code No.: 703.011



**Parallel Wire Guide**  
Code No.: 703.013



**Direct Measuring Device**  
Code No.: 703.014



**Guide Wire with Threaded Tip, 2.0mm Dia x 230mm**  
Code No.: 703.015



**Stylet 2.0mm x 280mm**  
Code No.: 703.017

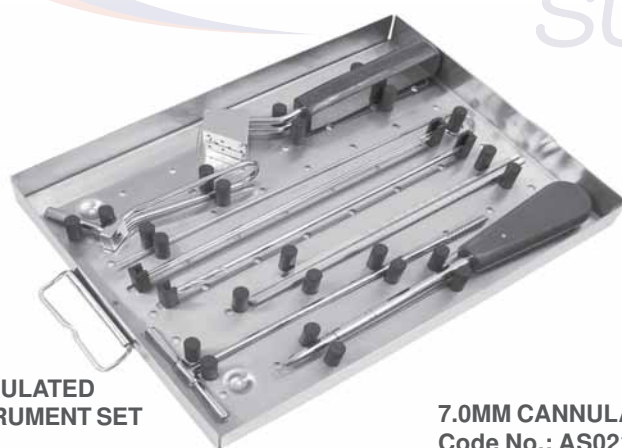


**Protection Sleeve 4.5mm Dia**  
Code No.: 703.012



**Cannulated Hexagonal Screw Driver, 3.5mm Tip**  
Code No.: 703.016

INSTRUMENTS SET FOR 7.0MM CANNULATED SCREWS



**7.0MM LARGE CANNULATED CANCELLOUS INSTRUMENT SET**  
Code No.: AS020M

**7.0MM CANNULATED CANCELLOUS IMPLANT SET, S.S.**  
Code No.: AS021

Code No.	Set Consisting of:	Units
703.010	Cannulated Drill Bit 4.5mm x 230mm . . . . .	1
703.011	Cannulated Tap 7.0mm x 230mm . . . . .	1
703.012	Protection Sleeve 4.5mm Dia . . . . .	1
703.013	Parallel Wire Guide . . . . .	1
703.014	Direct Measuring Device . . . . .	1
703.015	Guide Wire with Threaded Tip 2.0mm Dia. & 230mm Length . . . . .	5
703.016	Large Cannulated Hexagonal Screw Driver ...	1
703.017	Stylet 2.0mm x 280mm . . . . .	1
900.052	S.S.Container . . . . .	1

Code No.	Set Consisting of:	Units
AS021	<b>7.0mm Cannulated Cancellous Screws/16mm</b> .....	28
	2 each, Length 50, 55, 60, 65, 100mm	
	3 each, Length 70, 75, 80, 85, 90, 95mm	
AS021	<b>7.0mm Cannulated Cancellous Screws/32mm</b> .....	16
	1 each, Length 50, 55, 60, 65mm	
	2 each, Length 70, 75, 80, 85, 90, 95mm	
AS021	<b>Large Washers</b> .....	10
AS021	<b>S.S.Container (900.050)</b> .....	1 set

DYNAMIC HIP COMPRESSION  
& ANGLED BLADE PLATES



# HIP PLATES ...130°,135°,140°,145°, 150° DYNAMIC HIP COMPRESSION PLATES



**DYNAMIC HIP COMPRESSION PLATES  
(WITH DYNAMIC COMPRESSION HOLES)**



**DYNAMIC HIP COMPRESSION PLATES - SHORT BARREL  
(WITH DYNAMIC COMPRESSION HOLES)**

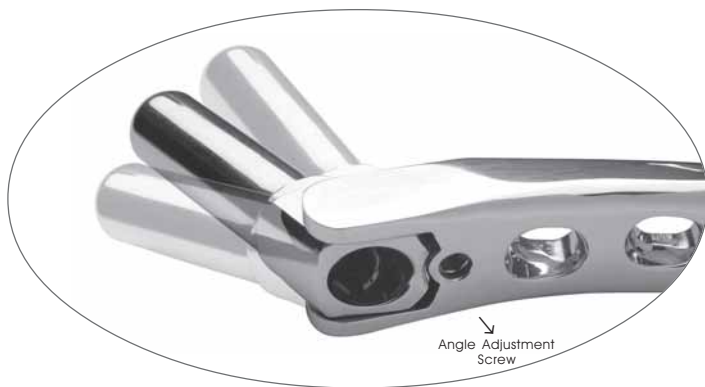
**STAINLESS STEEL**

Holes	With Dynamic Compression Holes					Short Barrel	With Round Holes			Length mm
	130°	135°	140°	145°	150°		135°	130°	135°	
2	166.001	166.022	166.042	166.052	166.062	166.082	166.502	166.602	166.702	46
3	166.002	166.023	166.043	166.053	166.063	166.083	166.503	166.603	166.703	56
4	166.004	166.024	166.044	166.054	166.064	166.084	166.504	166.604	166.704	78
5	166.005	166.025	166.045	166.055	166.065	166.085	166.505	166.605	166.705	94
6	166.006	166.026	166.046	166.056	166.066	166.086	166.506	166.606	166.706	110
7	166.007	166.027	166.047	166.057	166.067	166.087	166.507	166.607	166.707	126
8	166.008	166.028	166.048	166.058	166.068	166.088	166.508	166.608	166.708	142
9	166.009	166.029	166.049	166.059	166.069	166.089	166.509	166.609	166.709	158
10	166.010	166.030	166.050	166.060	166.070	166.090	166.510	166.610	166.710	174
12	166.012	166.032	166.051	166.061	166.072	166.091	166.512	166.612	166.712	206
14	166.014	166.034	-	-	166.073	166.092	166.513	166.613	166.713	238
16	166.016	166.036	-	-	166.074	166.093	166.514	166.614	166.714	270
18	166.018	166.038	-	-	166.075	166.094	166.515	166.615	166.715	302
20	166.020	166.040	-	-	166.076	166.095	166.516	166.616	166.716	334
22	166.021	166.041	-	-	166.077	166.096	166.517	166.617	166.717	366

NOTE: Please prefix Ti with above item codes for Titanium Products i.e. for Dynamic Hip Compression Plate Barrel Plate Dynamic Compression Plate Holes, Titanium code is Ti-166.001



**DYNAMIC HIP COMPRESSION PLATE - VARIABLE ANGLE  
(WITH DYNAMIC COMPRESSION HOLES)**



No. of Holes	Codes	
	S.S.	Titanium
4	166.804	Ti-166.804
5	166.805	Ti-166.805
6	166.806	Ti-166.806
7	166.807	Ti-166.807
8	166.808	Ti-166.808
9	166.809	Ti-166.809
10	166.810	Ti-166.810
12	166.812	Ti-166.812
14	166.814	Ti-166.814
16	166.816	Ti-166.816
18	166.818	Ti-166.818
20	166.820	Ti-166.820
22	166.822	Ti-166.822



**95° DCS PLATES  
WITH DYNAMIC COMPRESSION HOLES**

No. of Holes	Length in mm	Codes	
		S.S.	Titanium
6	100	167.006	Ti-167.006
7	115	167.007	Ti-167.007
8	130	167.008	Ti-167.008
9	146	167.009	Ti-167.009
10	163	167.010	Ti-167.010
12	198	167.012	Ti-167.012
14	225	167.014	Ti-167.014
16	260	167.016	Ti-167.016
18	306	167.018	Ti-167.018
20	338	167.020	Ti-167.020
22	370	167.022	Ti-167.022



**STANDARD LAG SCREW, 12.5MM DIA.  
(with Compression Screw)**

Length in mm.	Codes	
	S.S.	Titanium
50	168.050	Ti-168.050
55	168.055	Ti-168.055
60	168.060	Ti-168.060
65	168.065	Ti-168.065
70	168.070	Ti-168.070
75	168.075	Ti-168.075
80	168.080	Ti-168.080
85	168.085	Ti-168.085
90	168.090	Ti-168.090
95	168.095	Ti-168.095
100	168.100	Ti-168.100
105	168.105	Ti-168.105
110	168.110	Ti-168.110
115	168.115	Ti-168.115
120	168.120	Ti-168.120
125	168.125	Ti-168.125
130	168.130	Ti-168.130
135	168.135	Ti-168.135
140	168.140	Ti-168.140
145	168.145	Ti-168.145



**95° CONDYLAR PLATES (WITH DYNAMIC COMPRESSION HOLES)  
STAINLESS STEEL TITANIUM**



**COMPRESSION SCREW**  
for use with Dynamic Hip Compression Plates

	S.S.	Titanium
Code No.	168.990	Ti-168.990

Blade Length / Codes				Plate Length mm	No. of Holes	Blade Length / Codes			
50 mm	60 mm	70 mm	80 mm			50 mm	60 mm	70 mm	80 mm
162.051	162.052	162.053	162.054	92	5	Ti-162.051	Ti-162.052	Ti-162.053	Ti-162.054
162.071	162.072	162.073	162.074	124	7	Ti-162.071	Ti-162.072	Ti-162.073	Ti-162.074
162.091	162.092	162.093	162.094	156	9	Ti-162.091	Ti-162.092	Ti-162.093	Ti-162.094
162.011	162.012	162.013	162.014	204	12	Ti-162.011	Ti-162.012	Ti-162.013	Ti-162.014
162.021	162.022	162.023	162.024	236	14	Ti-162.021	Ti-162.022	Ti-162.023	Ti-162.024
162.031	162.032	162.033	162.034	268	16	Ti-162.031	Ti-162.032	Ti-162.033	Ti-162.034
162.041	162.042	162.043	162.044	300	18	Ti-162.041	Ti-162.042	Ti-162.043	Ti-162.044



**DYNAMIC HIP COMPRESSION PLATE  
DOUBLE ANGLED - 120°  
(WITH DYNAMIC COMPRESSION HOLES)**

No. of Holes	Codes	
	Stainless Steel	Titanium
4	166.104	Ti-166.104
5	166.105	Ti-166.105
6	166.106	Ti-166.106
7	166.107	Ti-166.107
8	166.108	Ti-166.108

**CONDYLAR PLATE INSTRUMENT SET, S.S.  
Code No.: AS018**

Set Consisting of:	Units
702.005	Chisel Guide . . . . . 1
702.006	Seating Chisel . . . . . 1
702.007	Insertor - Extractor . . . . . 1
702.008	Slotted Hammer . . . . . 1
702.009	Impactor . . . . . 1
702.010	Condylar Plate Guide . . . . . 1
900.065	S.S.Container . . . . . 1



**Variable Angle Guide - Excel**  
Code No.: 701.049



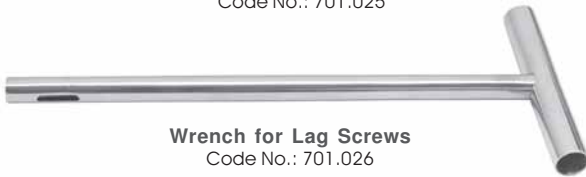
**DCS ANGLE GUIDE**  
Code No.: 701.041



**Tripple Reamer for Dynamic Hip Compression Plates**  
Code No.: 701.025



**DCS Triple Reamer**  
Code No.: 701.040



**Wrench for Lag Screws**  
Code No.: 701.026



**Long Coupling Screw for DHS Screw Removal**  
Code No.: 701.033



**Centering Sleeve for DHS Tap**  
Code No.: 701.029



**Centering Sleeve for DHS Wrench**  
Code No.: 701.030



**Coupling Screw for inserting DHS Screw  
(for 2.5mm Guide Wire)**  
Code No.: 701.031



**Guide Shaft for Coupling Screw**  
Code No.: 701.032



**DHS Impactor**  
Code No.: 701.027



**Stylet**  
Code No.: 701.034



**DHS Tap**  
Code No.: 701.028



**T-Handle with Quick Coupling**  
Code No.: 701.023

**OPTIONAL INSTRUMENTS**  
*(To be Ordered Separately)*



**DHS Angle Guide - 135°**  
Code No.: 701.022



**DHS Triple Reamer for Short Barrel**  
Code No.: 701.042



**Hexagonal Screw Driver for DHS Variable Angle Plate**  
Code No.: 701.080

□ INSTRUMENTS & IMPLANTS SET FOR DYNAMIC HIP COMPRESSION PLATES



**INSTRUMENTS SET FOR DHS/DCS PLATES, S.S.**  
**Code No.: AS029**

*Set Consisting of:*

**Units**

701.021	Guide Wire with Threaded Tip, 2.5mm Dia. & 230mm Length .....	6
701.023	T-Handle with Quick Coupling .....	1
701.024	Direct Measuring Device .....	1
701.025	DHS Triple Reamer .....	1
701.026	Wrench for DHS Screws .....	1
701.027	DHS Impactor .....	1
701.110	Spare Teflon Tip for DHS Impactor .....	2
701.028	DHS Tap .....	1
701.029	Centering Sleeve for DHS Tap .....	1
701.030	Centering Sleeve for DHS Wrench .....	1
701.031	Coupling Screw for Inserting DHS Screw (for 2.5mm Guide Wire) .....	2
701.032	Guide Shaft for Coupling Screw .....	2
701.033	Long Coupling Screw for DHS Screw Removal .....	1
701.034	Stylet .....	1
701.040	DCS Triple Reamer .....	1
701.041	DCS Angle Guide .....	1
701.049	Variable Angle Guide - Excel .....	1
900.070	S.S.Container .....	1 set

**OPTIONAL INSTRUMENTS (To be Ordered Separately)**

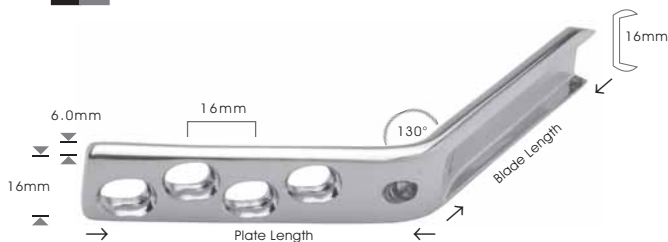
701.042	DHS Triple Reamer for Short Barrel .....	1
701.043	DHS Angle Guide - 130° .....	1
701.022	DHS Angle Guide - 135° .....	1
701.044	DHS Angle Guide - 140° .....	1
701.045	DHS Angle Guide - 150° .....	1
701.080	Hexagonal Screw Driver for DHS Variable Angle Plate .....	1

**DYNAMIC HIP COMPRESSION PLATES IMPLANTS SET, S.S.**  
**Code No.: AS017**

*Set Consisting of:*

**Units**

<b>DHS/DCS Screws</b> .....	<b>18</b>
1 each, Length 50, 70, 95, 100mm	
2 each, Length 55, 60, 65, 75, 80, 85, 90mm	
DHS/DCS Compression Screw .....	18
<b>DHS Plate - 135°</b> .....	<b>8</b>
2 each with 4, 5, 6, Holes	
1 each with 8 & 10 Holes	
<b>DCS Plate - 95°</b> .....	<b>6</b>
1 each with 6 and 12 Holes	
2 each with 8 and 10 Holes	
<b>S.S.Container (900.075)</b> .....	<b>1 set</b>



**130° ANGLED BLADE PLATES,  
(WITH DYNAMIC COMPRESSION HOLES)**

No. of Holes	Plate Length in mm	Blade Length in mm	Codes	
			S.S.	Titanium
4	60	50	163.041	Ti-163.041
4	60	60	163.042	Ti-163.042
4	60	70	163.043	Ti-163.043
4	60	75	163.045	Ti-163.045
4	60	80	163.044	Ti-163.044
4	60	85	163.046	Ti-163.046
4	60	90	163.047	Ti-163.047
4	60	95	163.048	Ti-163.048
4	60	100	163.049	Ti-163.049
6	104	50	163.061	Ti-163.061
6	104	60	163.062	Ti-163.062
6	104	70	163.063	Ti-163.063
6	104	75	163.050	Ti-163.050
6	104	80	163.064	Ti-163.064
6	104	85	163.051	Ti-163.051
6	104	90	163.052	Ti-163.052
6	104	95	163.053	Ti-163.053
6	104	100	163.054	Ti-163.054
9	152	50	163.091	Ti-163.091
9	152	60	163.092	Ti-163.092
9	152	70	163.093	Ti-163.093
9	152	75	163.080	Ti-163.080
9	152	80	163.094	Ti-163.094
9	152	85	163.081	Ti-163.081
9	152	90	163.082	Ti-163.082
9	152	95	163.083	Ti-163.083
12	200	50	163.001	Ti-163.001
12	200	60	163.002	Ti-163.002
12	200	70	163.003	Ti-163.003
12	200	80	163.004	Ti-163.004



**ANGLED BLADE PLATES FOR INTERTROCHANTERIC  
FEMORAL OSTEOTOMIES IN ADULTS  
WITH DYNAMIC COMPRESSION HOLES**

Blade Length mm	Displacement T mm	Angle Degree	Codes	
			S.S.	Titanium
40	10	90°	170.140	Ti-170.140
50	10	90°	170.150	Ti-170.150
60	10	90°	170.160	Ti-170.160
70	10	90°	170.170	Ti-170.170
40	15	90°	170.240	Ti-170.240
50	15	90°	170.250	Ti-170.250
60	15	90°	170.260	Ti-170.260
70	15	90°	170.270	Ti-170.270
50	20	90°	170.350	Ti-170.350
60	20	90°	170.360	Ti-170.360
70	20	90°	170.370	Ti-170.370
50	10	100°	170.450	Ti-170.450
60	10	100°	170.460	Ti-170.460
70	10	100°	170.470	Ti-170.470

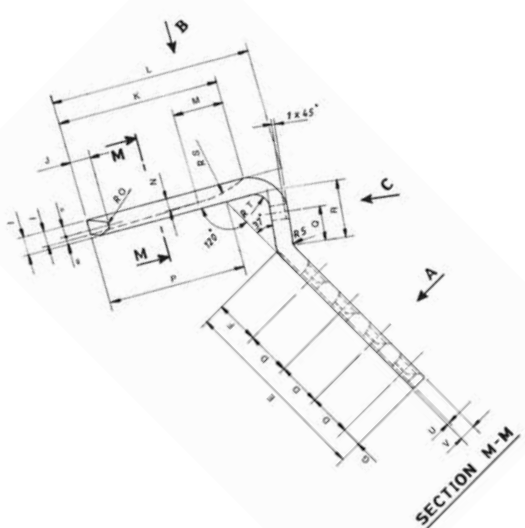
Profile:  
Shaft with 4 dynamic compression holes and slot for tension device. Fixation with 4.5mm cortical screws. The hole in the bend enables fixation of the calcar femoris with a long cortical screw. Blade Length Measured on the inside.



**ANGLED BLADE PLATES FOR INTERTROCHANTERIC  
FEMORAL OSTEOTOMIES IN ADULTS  
WITH DYNAMIC COMPRESSION HOLES**

Blade Length mm	Angle Degree	Codes	
		S.S.	Titanium
65	110°	171.265	Ti-171.265
75	110°	171.275	Ti-171.275
85	110°	171.285	Ti-171.285
60	120°	171.060	Ti-171.060
65	120°	171.065	Ti-171.065
70	120°	171.070	Ti-171.070
75	120°	171.075	Ti-171.075
80	120°	171.080	Ti-171.080
85	120°	171.085	Ti-171.085
65	130°	171.565	Ti-171.565
70	130°	171.570	Ti-171.570
75	130°	171.575	Ti-171.575
80	130°	171.580	Ti-171.580
85	130°	171.585	Ti-171.585
90	130°	171.590	Ti-171.590
95	130°	171.595	Ti-171.595
100	130°	171.510	Ti-171.510

Shaft with 4 dynamic compression holes and slot for tension device. Fixation with 4.5mm cortical screws. for repositioning osteotomies in the treatment of femoral neck pseudarthroses and fracture.





**Chisel Guide**  
Code No.: 702.005



**Seating Chisel**  
Code No.: 702.006



**Inserter - Extractor**  
Code No.: 702.007



**Impactor**  
Code No.: 702.009



**Quadrangular Positioning Plate**  
Code No.: 702.012



**Triangular Positioning Plates**  
Code No.: 702.011



**Slotted Hammer**  
Code No.: 702.008



**Triple Drill Guide - 130° angle**  
Code No.: 702.013



**Spanner 11mm, S.S.**  
Code No.: 507.99



**Drill Bit 2.0mm**  
Code No.: 260.200

INSTRUMENT SET FOR ANGLED BLADE PLATE

**ANGLED BLADE PLATE INSTRUMENT SET**  
Code No.: AS019M

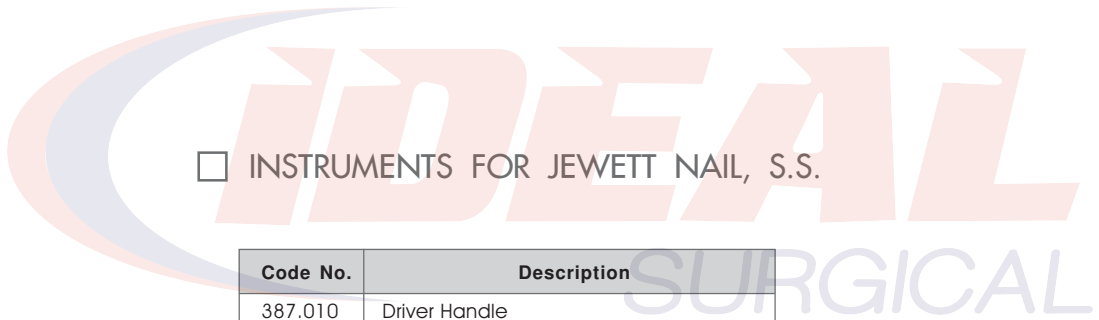
	<i>Set Consisting of:</i>	<b>Units</b>
702.005	Chisel Guide . . . . .	1
702.006	Seating Chisel . . . . .	1
702.007	Inserter - Extractor . . . . .	1
702.008	Slotted Hammer . . . . .	1
702.009	Impactor . . . . .	1
507.99	Spanner 11mm, S.S. . . . .	1
702.011	Triangular Positioning Plates (Set of Three) . . . . .	1
702.012	Quadrangular Positioning Plate . . . . .	1
702.013	Triple Drill Guide - 130° angle . . . . .	1
260.200	Drill Bit 2.0mm . . . . .	1
900.060	S.S.Container . . . . .	1





**JEWETT NAIL PLATES - 135°  
STAINLESS STEEL**

Size in mm	Codes							
	4 Holes	5 Holes	6 Holes	7 Holes	8 Holes	9 Holes	10 Holes	12 Holes
50	176.4-50	176.5-50	176.6-50	176.7-50	176.8-50	176.9-50	176.10-50	176.12-50
55	176.4-55	176.5-55	176.6-55	176.7-55	176.8-55	176.9-55	176.10-55	176.12-55
60	176.4-60	176.5-60	176.6-60	176.7-60	176.8-60	176.9-60	176.10-60	176.12-60
65	176.4-65	176.5-65	176.6-65	176.7-65	176.8-65	176.9-65	176.10-65	176.12-65
70	176.4-70	176.5-70	176.6-70	176.7-70	176.8-70	176.9-70	176.10-70	176.12-70
75	176.4-75	176.5-75	176.6-75	176.7-75	176.8-75	176.9-75	176.10-75	176.12-75
80	176.4-80	176.5-80	176.6-80	176.7-80	176.8-80	176.9-80	176.10-80	176.12-80
85	176.4-85	176.5-85	176.6-85	176.7-85	176.8-85	176.9-85	176.10-85	176.12-85
90	176.4-90	176.5-90	176.6-90	176.7-90	176.8-90	176.9-90	176.10-90	176.12-90
95	176.4-95	176.5-95	176.6-95	176.7-95	176.8-95	176.9-95	176.10-95	176.12-95
100	176.4-100	176.5-100	176.6-100	176.7-100	176.8-100	176.9-100	176.10-100	176.12-100



INSTRUMENTS FOR JEWETT NAIL, S.S.

Code No.	Description
387.010	Driver Handle
387.020	Starter for S.P. Nail
387.080	Jewett Nail Impactor - Extractor



**Starter for Jewett Nail**  
Code No.: 387.020



**Driver Handle for Jewett Nail**  
Code No.: 387.010



**Jewett Nail Impactor - Extractor**  
Code No.: 387.080

HIP PROSTHESIS





AUSTIN MOORE STEP BALL  
STAINLESS STEEL

Dia. mm	Non-Sterile	*Sterile
37	173.437	173.537
38	173.438	173.538
39	173.439	173.539
40	173.440	173.540
41	173.441	173.541
42	173.442	173.542
43	173.443	173.543
44	173.444	173.544
45	173.445	173.545
46	173.446	173.546
47	173.447	173.547
48	173.448	173.548
49	173.449	173.549
50	173.450	173.550
51	173.451	173.551
52	173.452	173.552
53	173.453	173.553
54	173.454	173.554
55	173.455	173.555
56	173.456	173.556
57	173.457	173.557



THOMPSON HIP PROSTHESIS - EXCEL  
STAINLESS STEEL

STANDARD STEM		Dia.	NARROW STEM	
Non-Sterile	*Sterile		Non-Sterile	*Sterile
Code No.	Code No.		Code No.	Code No.
172.037	172.237	37 mm	172.437	172.537
172.038	172.238	38 mm	172.438	172.538
172.039	172.239	39 mm	172.439	172.539
172.040	172.240	40 mm	172.440	172.540
172.041	172.241	41 mm	172.441	172.541
172.042	172.242	42 mm	172.442	172.542
172.043	172.243	43 mm	172.443	172.543
172.044	172.244	44 mm	172.444	172.544
172.045	172.245	45 mm	172.445	172.545
172.046	172.246	46 mm	172.446	172.546
172.047	172.247	47 mm	172.447	172.547
172.048	172.248	48 mm	172.448	172.548
172.049	172.249	49 mm	172.449	172.549
172.050	172.250	50 mm	172.450	172.550
172.051	172.251	51 mm	172.451	172.551
172.052	172.252	52 mm	172.452	172.552
172.053	172.253	53 mm	172.453	172.553
172.054	172.254	54 mm	172.454	172.554
172.055	172.255	55 mm	172.455	172.555

\*Minimum Order for Assorted Sizes for Sterile Items are: 100 Pcs.



Code No.: 174.037



Code No.: 173.037



Code No.: 173.267

**AUSTIN MOORE HIP PROSTHESIS - EXCEL  
STAINLESS STEEL**

Dia. in mm	STANDARD STEM		NARROW STEM		BROAD STEM	
	Non-Sterile Code No.	*Sterile Code No.	Non-Sterile Code No.	*Sterile Code No.	Non-Sterile Code No.	*Sterile Code No.
37	173.037	173.137	174.037	174.237	173.267	173.367
38	173.038	173.138	174.038	174.238	173.268	173.368
39	173.039	173.139	174.039	174.239	173.269	173.369
40	173.040	173.140	174.040	174.240	173.270	173.370
41	173.041	173.141	174.041	174.241	173.271	173.371
42	173.042	173.142	174.042	174.242	173.272	173.372
43	173.043	173.143	174.043	174.243	173.273	173.373
44	173.044	173.144	174.044	174.244	173.274	173.374
45	173.045	173.145	174.045	174.245	173.275	173.375
46	173.046	173.146	174.046	174.246	173.276	173.376
47	173.047	173.147	174.047	174.247	173.277	173.377
48	173.048	173.148	174.048	174.248	173.278	173.378
49	173.049	173.149	174.049	174.249	173.279	173.379
50	173.050	173.150	174.050	174.250	173.280	173.380
51	173.051	173.151	174.051	174.251	173.281	173.381
52	173.052	173.152	174.052	174.252	173.282	173.382
53	173.053	173.153	174.053	174.253	173.283	173.383
54	173.054	173.154	174.054	174.254	173.284	173.384
55	173.055	173.155	174.055	174.255	173.285	173.385
56	173.056	173.156	174.056	174.256	173.286	173.386
57	173.057	173.157	174.057	174.257	173.287	173.387
58	173.058	173.158	174.058	174.258	173.288	173.388

\*Minimum Order for Assorted Sizes for Sterile Items are: 100 Pcs.



**AUSTIN MOORE HIP PROSTHESIS  
EXTRA LONG STEM  
STAINLESS STEEL**

Dia. mm	Non-Sterile	*Sterile
37	175.037	175.137
38	175.038	175.138
39	175.039	175.139
40	175.040	175.140
41	175.041	175.141
42	175.042	175.142
43	175.043	175.143
44	175.044	175.144
45	175.045	175.145
46	175.046	175.146
47	175.047	175.147
48	175.048	175.148
49	175.049	175.149
50	175.050	175.150
51	175.051	175.151
52	175.052	175.152
53	175.053	175.153
54	175.054	175.154
55	175.055	175.155

Stem Length: 300mm

BIPOLAR



**BIPOLAR HIP PROSTHESIS  
STAINLESS STEEL**

Dia. mm	*Sterile
37	175.237
38	175.238
39	175.239
40	175.240
41	175.241
42	175.242
43	175.243
44	175.244
45	175.245
46	175.246
47	175.247
48	175.248
49	175.249
50	175.250
51	175.251
52	175.252
53	175.253
54	175.254
55	175.255

\*Minimum Order for Assorted Sizes for Sterile Items are: 100 Pcs.



**Rasp for Austin Moore**  
Code No.: 386.010



**Rasp for Austin Moore Extra Long**  
Code No.: 386.011



**Rasp for Thomposon**  
Code No.: 386.020



**Rasp for Bipolar**  
Code No.: 175.261



**Moore Hollow Chisel**  
Code No.: 386.040



☐ INSTRUMENTS FOR FEMORAL HEAD



**Murphy Lane Bone Skid**  
Code No.: 386.030



**Judget Auger Extractor**  
Code No.: 386.050



**Extractor Set for A.M. Prosthesis with 2 Hooks**  
Code No.: 386.080



**Spare Hook for A.M. Extractor**  
Code No.: 386.090



**Measuring Guage for Prosthesis**  
Code No.: 386.060



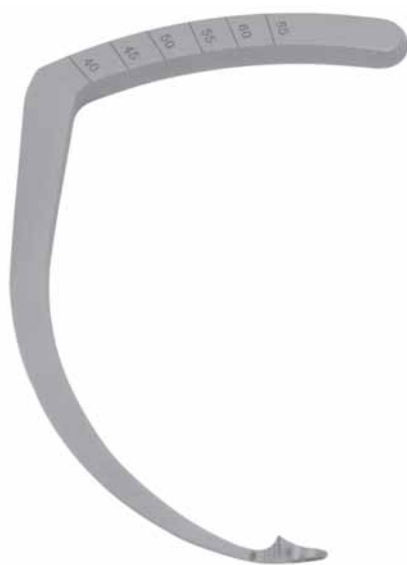
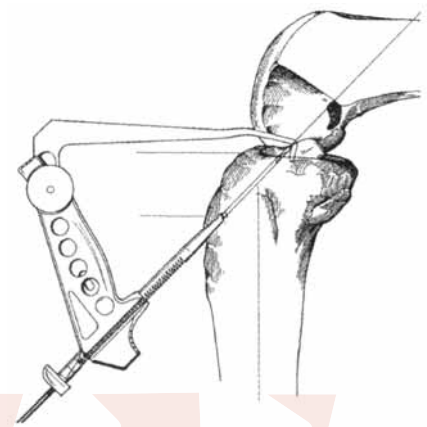
**Impactor Nylon Faced**  
Code No.: 386.070

**Profile:**

- A rigid and accurate guide designed for easy, single-handed placement.
- Rigid design with calibrated tip resulting in consistent, accurate guide-wire placement.
- Broad face of tip easily passes through notch and provides a means of protecting posterior capsule during guide wire drilling.
- Four sharp points for the bullet helps in securing engagement of the ACL guide at any angle.
- Accurate reproducible placement and drilling of tibial and femoral tunnels during single incision ACL reconstruction.
- Works on bone-tendon-bone-and other grafts.
- ACL elbow aimer used for drilling when the ACL stump is not detached from the tibial end.
- PCL tibial aimer provides a mean of protecting posterior capsule during guide wire drilling.
- PCL femoral aimer helps in accurate guide work placement. The hoop tip provides a visual reference for the diameter of the fully reamed tunnel thus helping avoid tunnel encroachment on the articulated surface.



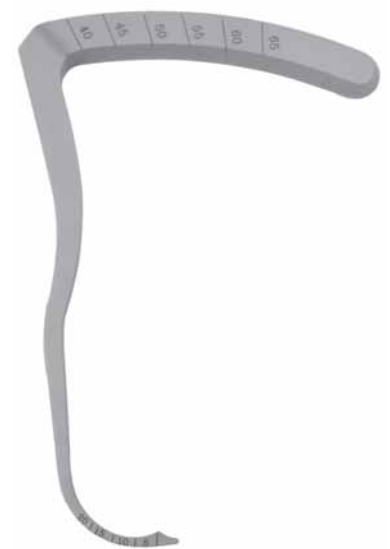
**ACL/PCL Guide System**  
Code No.: 650.900



**PCL Femoral Aimer**  
Code No.: 650.901



**ACL Elbow Aimer**  
Code No.: 650.905



**PCL Tibial Aimer**  
Code No.: 650.910





**ACL SCREWS - STAINLESS STEEL**

Length in mm.	Diameter		
	7 mm	8 mm	9 mm
20	630.07-20	630.08-20	630.09-20
25	630.07-25	630.08-25	630.09-25
30	630.07-30	630.08-30	630.09-30
35	630.07-35	630.08-35	630.09-35



**ACL SCREWS - TITANIUM**

Length in mm.	Diameter		
	7 mm	8 mm	9 mm
20	Ti-630.07-20	Ti-630.08-20	Ti-630.09-20
25	Ti-630.07-25	Ti-630.08-25	Ti-630.09-25
30	Ti-630.07-30	Ti-630.08-30	Ti-630.09-30
35	Ti-630.07-35	Ti-630.08-35	Ti-630.09-35

**Indication:**

For use of cruciate reconstruction when using hamstring or patellar tendon grafts. The screws have blunt threads which protect the grafts from laceration. The round head screws reduces the stress in the graft as it exits the femoral end.



**ACL BUTTON - TITANIUM**

Size: 4mm x 12mm

Code No.: 650.001

**Profile:**

- Endoscopic femoral soft tissue fixation device.
- Titanium button to be used for single incision.
- Eliminates graft lateration.
- Ideal for bi-socket technique.



**ANCHOR SCREW - TITANIUM**

Code No.	Size mm
650.160	3
650.162	5



**SUTURE WASHERS - TITANIUM**

Code No.	Size mm
650.020	15
650.022	17

**Profile:**

Used for fixating grafts with sutures

**SPIKE WASHERS - TITANIUM**

Code No.	Size mm
650.030	17
650.035	21



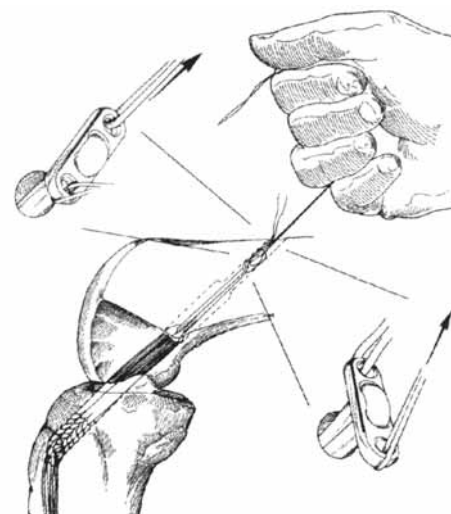
**Profile:**

The spike washer is an implant specifically designed to secure soft tissue tendons to cortical bone. Its primary function is for securing doubled loop graft onto the tibial cortex.

Code No.	Description
650.191	Graft Board

**Profile:**

- Ideal board for graft preparation
- It has the facility for cutting the graft to the desired length.
- Tensioning post is ideal for pre-tensioning grafts when using the ACL button.
- Fully autoclavable.
- Scale marking is provided.
- Proper Holding of ACL Button.



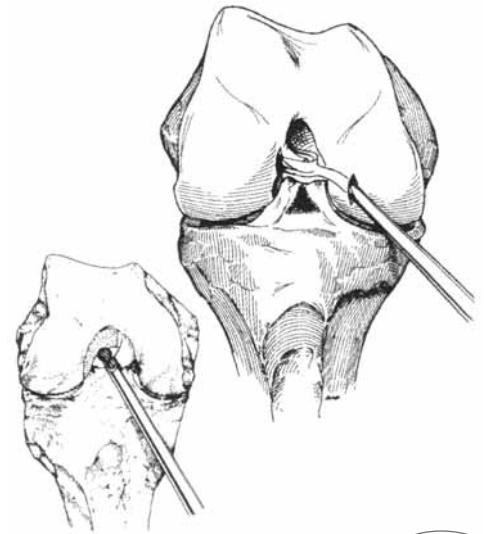


**TROCAR TIP PASSING PINS  
STAINLESS STEEL**

Code No.	Size
650.230	2.4mm x 28cm
650.232	2.4mm x 43cm

Profile:

- With eyelet for suture passage.



Code No.	Description
650.490	ACL Screw Driver



**CRUCIATE GUIDE WIRES - STAINLESS STEEL**

Code No.: 650.205

Profile:

- To be used with cruciate guides and cannulated drill bits Sizes: 2.4mm (dia) x 25 cm (l)



**FLOWER TIP REAMER - STAINLESS STEEL**

Code No.	Size mm
650.400	6
650.402	7
650.404	8
650.406	9
650.408	10
650.410	11
650.412	12

Profile:

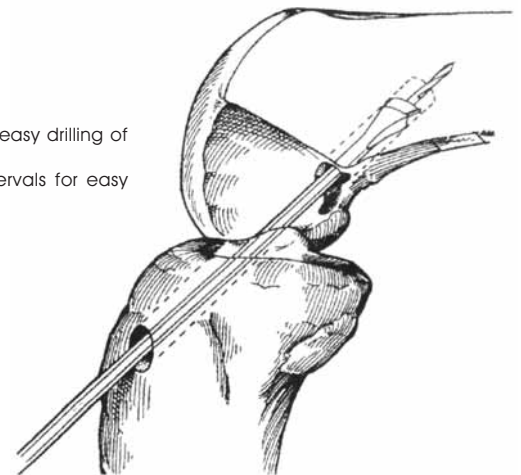
- Made from virgin material.
- Two cutting edge.
- Flower tip shaped Long lasting edge for easy drilling of tibial and femoral tunnel.
- Cannulated and marked at regular intervals for easy reference.

**ENDOSCOPIC DRILL  
STAINLESS STEEL**

Code No.	Size mm
650.450	6
650.452	7
650.454	8
650.456	9
650.458	10
650.460	11
650.462	12

Profile:

- Made from virgin material.
- Cannulated and marked at regular intervals for easy reference.





### TENDON STRIPPER STAINLESS STEEL

Code No.	Size
650.150	5 mm x 12 inch
650.153	6 mm x 12 inch
650.157	7 mm x 12 inch

Profile:

- Open & close with Sharp edge.
- Used for semitendinosus and gracilis graft harvesting.

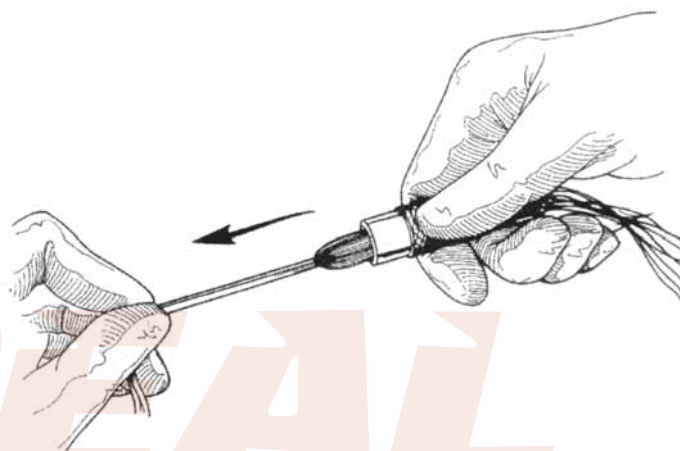


### SIZING TUBES STAINLESS STEEL

Code No.	Size
650.106	6 mm
650.107	7 mm
650.108	8 mm
650.109	9 mm
650.110	10 mm
650.111	11 mm
650.112	12 mm

Profile:

- Used with ACL & PCL Drill Guide Systems to size the Graft for Precise Tunnel interface.



### BONE TUNNEL PLUGS POLYACETAL

Code No.	Description
650.190	Cannulated
650.192	Non-Cannulated

Profile:

- Non-sterile.
- Fits (7-8mm, 9-10mm, 10-11mm, 11-12mm, 13-14mm) tunnels.



### FEMORAL OFFSET

Code No.	Size mm
650.206	5
650.207	6
650.208	7

Code No.	Description
650.200	Suture Retriever - Stainless Steel

Profile:

- Used for passing or retrieving sutures through instrumentation with cannulations of 1.5mm or longer.
- Used in conjunction with isometric positioning, isotac drivers, buttons and passing pins.
- Autoclavable.

□ SHAVER SYSTEM



**SHAVING SYSTEM**  
Code No.: 650.605

**Profile:**

The shaver system offers unmatched power and cutting power and precise control of blade speed from an ergonomically design foot-switch. Multiple hand-piece option are available for arthroscopy and endoscopic sinus surgery procedures. There are many state-of-the art blade designs straight, curved, rotating, mini & irrigating for tissue resection and burrs for more efficient bone debridement. When used along with the Arthromat fluid management system and camera the operative field is clear and details well visualized.

- Speed range 500-3500 RPM.
- Online setting allows online increase and decrease of set speed.
- Variable modes forward, reverse & oscillating modes.
- Attached blades easy blade fitting and removing in the hand piece.
- Foot switch foot switch easy foot control in variable blade modes (forward, reverse & oscillating).
- Shaver hand piece with cord fully autoclavable.
- Suction control inbuilt in hand piece.
- Power supply 230V (AC) / 50 Hz +/- 10%.
- In built voltage control rectifier.
- Inbuilt safety fuse.
- Electric shock-proof handle.

**Accessories:**

- Machine, Blades, Hand Piece.
- Foot switch, Tubing set, inflow outflow cannula.
- Brush set, Cleaning oil, Power cord & Fuse.





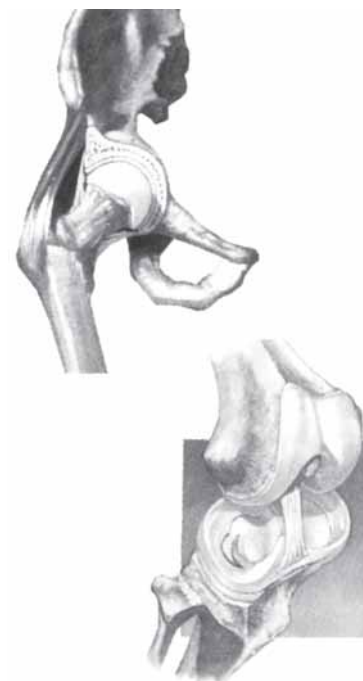
PULSE LAVAGE SYSTEM



**PULSE LAVAGE SYSTEM**  
Code No.: 650.600

**Profile:**

- Irrigation pressure can be electronically controlled.
- Autoclavable and reusable tubes of medical grade silicone. Disposable Single Use tubes can also be provided on request.
- Complete sterility of system is maintained.
- Easy loading of tubes in the machine.
- Efficient peristaltic pump.
- Pulse rate digital.
- Water resistance display.
- Simple on/off switch.
- Foot control operated machine.
- Pre-set features.
- Four types of irrigation possible.
- Shower spray for cancellous bone preparation, trauma, soft tissues debridement & general irrigation. Femoral tip for aggressive femoral debridement.
- Single stream tip for wider stream & general irrigation.
- Shower for dual purpose irrigation & suction along with special cup type anti-splash shield.
- Inbuilt safety fuse.
- Roller motor (1/16 hp or less).
- Multiple bottles with constant force.
- In built voltage control rectifier.
- Power supply 230V (AC) / 50Hz +/- 10%.



□ SPINE





**MONO-AXIAL SCREWS**



**POLY-AXIAL SCREWS**

Length in mm	Code / Dia. (Stainless Steel)			Code / Dia. (Titanium)		
	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm
24	199.424	199.524	199.624	Ti-199.424	Ti-199.524	Ti-199.624
26	199.426	199.526	199.626	Ti-199.426	Ti-199.526	Ti-199.626
28	199.428	199.528	199.628	Ti-199.428	Ti-199.528	Ti-199.628
30	199.430	199.530	199.630	Ti-199.430	Ti-199.530	Ti-199.630
32	199.432	199.532	199.632	Ti-199.432	Ti-199.532	Ti-199.632
34	199.434	199.534	199.634	Ti-199.434	Ti-199.534	Ti-199.634
36	199.436	199.536	199.636	Ti-199.436	Ti-199.536	Ti-199.636
38	199.438	199.538	199.638	Ti-199.438	Ti-199.538	Ti-199.638
40	199.440	199.540	199.640	Ti-199.440	Ti-199.540	Ti-199.640
42	199.442	199.542	199.642	Ti-199.442	Ti-199.542	Ti-199.642
44	199.444	199.544	199.644	Ti-199.444	Ti-199.544	Ti-199.644
46	199.446	199.546	199.646	Ti-199.446	Ti-199.546	Ti-199.646
48	199.448	199.548	199.648	Ti-199.448	Ti-199.548	Ti-199.648
50	199.450	199.550	199.650	Ti-199.450	Ti-199.550	Ti-199.650
52	199.452	199.552	199.652	Ti-199.452	Ti-199.552	Ti-199.652
54	199.454	199.554	199.654	Ti-199.454	Ti-199.554	Ti-199.654
56	199.456	199.556	199.656	Ti-199.456	Ti-199.556	Ti-199.656
58	199.458	199.558	199.658	Ti-199.458	Ti-199.558	Ti-199.658
60	199.460	199.560	199.660	Ti-199.460	Ti-199.560	Ti-199.660

Length in mm	Code / Dia. (Stainless Steel)			Code / Dia. (Titanium)		
	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm
24	200.424	200.524	200.624	Ti-200.424	Ti-200.524	Ti-200.624
26	200.426	200.526	200.626	Ti-200.426	Ti-200.526	Ti-200.626
28	200.428	200.528	200.628	Ti-200.428	Ti-200.528	Ti-200.628
30	200.430	200.530	200.630	Ti-200.430	Ti-200.530	Ti-200.630
32	200.432	200.532	200.632	Ti-200.432	Ti-200.532	Ti-200.632
34	200.434	200.534	200.634	Ti-200.434	Ti-200.534	Ti-200.634
36	200.436	200.536	200.636	Ti-200.436	Ti-200.536	Ti-200.636
38	200.438	200.538	200.638	Ti-200.438	Ti-200.538	Ti-200.638
40	200.440	200.540	200.640	Ti-200.440	Ti-200.540	Ti-200.640
42	200.442	200.542	200.642	Ti-200.442	Ti-200.542	Ti-200.642
44	200.444	200.544	200.644	Ti-200.444	Ti-200.544	Ti-200.644
46	200.446	200.546	200.646	Ti-200.446	Ti-200.546	Ti-200.646
48	200.448	200.548	200.648	Ti-200.448	Ti-200.548	Ti-200.648
50	200.450	200.550	200.650	Ti-200.450	Ti-200.550	Ti-200.650
52	200.452	200.552	200.652	Ti-200.452	Ti-200.552	Ti-200.652
54	200.454	200.554	200.654	Ti-200.454	Ti-200.554	Ti-200.654
56	200.456	200.556	200.656	Ti-200.456	Ti-200.556	Ti-200.656
58	200.458	200.558	200.658	Ti-200.458	Ti-200.558	Ti-200.658
60	200.460	199.560	200.660	Ti-200.460	Ti-200.560	Ti-200.660



**Straight Side Connector - 6.30mm (1/4 inch)**

	Stainless Steel	Titanium
Code No.	275.655	Ti-275.655



**TRANSVERSE CONNECTOR**

Sizes	Stainless Steel	Titanium
Small	199.503	Ti-199.503
Large	199.504	Ti-199.504

**REDUCTION SCREW**

Length in mm.	Codes / Dia. (S.S.)		Codes / Dia. (Titanium)	
	5 mm	6 mm	5 mm	6 mm
30	201.530	201.630	Ti-201.530	Ti-201.630
35	201.535	201.635	Ti-201.535	Ti-201.635
40	201.540	201.640	Ti-201.540	Ti-201.640
45	201.545	201.645	Ti-201.545	Ti-201.645
50	201.550	201.650	Ti-201.550	Ti-201.650
55	201.555	201.655	Ti-201.555	Ti-201.655

**ROD - STAINLESS STEEL**

Length in mm.	Diameter			
	2 mm	3 mm	4 mm	5 mm
75	204.275	204.375	204.475	204.575
80	204.280	204.380	204.480	204.580
100	204.210	204.310	204.410	204.510
125	204.212	204.312	204.412	204.512
150	204.215	204.315	204.415	204.515

**ROD - TITANIUM**

Length in mm.	Diameter			
	2 mm	3 mm	4 mm	5 mm
75	Ti-204.275	Ti-204.375	Ti-204.475	Ti-204.575
80	Ti-204.280	Ti-204.380	Ti-204.480	Ti-204.580
100	Ti-204.210	Ti-204.310	Ti-204.410	Ti-204.510
125	Ti-204.212	Ti-204.312	Ti-204.412	Ti-204.512
150	Ti-204.215	Ti-204.315	Ti-204.415	Ti-204.515

**Spinal Rod, 6.30mm (1/4 inch) x 610mm**

Length	S.S.	Titanium
400 mm	275.623	Ti-275.625
610 mm	275.624	Ti-275.626

... PEDICLE HOOKS, CAGE & INSTRUMENTATION  
FOR MONO-AXIAL & POLY-AXIAL IMPLANTS



Items Stainless Steel	Code No.	
	Small	Large
Pedicle Hook	202.001	202.101
Lamina Hook Reduced Distance	202.002	202.102
Lamina Hook Angle Blade	202.003	202.103
Lamina Hook Narrow Blade	202.004	202.104
Lamina Hook Wide Blade	202.005	202.105
Transverse Connector	203.001	203.101
Staple	203.002	203.102
Inner Screw for Screws & Hooks	203.003	203.103
Outer Nut for Screws & Hooks	203.004	203.104

Items Titanium	Code No.	
	Small	Large
Pedicle Hook	Ti-202.001	Ti-202.101
Lamina Hook Reduced Distance	Ti-202.002	Ti-202.102
Lamina Hook Angle Blade	Ti-202.003	Ti-202.103
Lamina Hook Narrow Blade	Ti-202.004	Ti-202.104
Lamina Hook Wide Blade	Ti-202.005	Ti-202.105
Transverse Connector	Ti-203.001	Ti-203.101
Staple	Ti-203.002	Ti-203.102
Inner Screw for Screws & Hooks	Ti-203.003	Ti-203.103
Outer Nut for Screws & Hooks	Ti-203.004	Ti-203.104

**CAGE  
STAINLESS STEEL**

Length in mm	Diameter							
	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm
20	205.10-20	205.12-20	205.14-20	205.16-20	205.18-20	205.20-20	205.22-20	205.24-20
25	205.10-25	205.12-25	205.14-25	205.16-25	205.18-25	205.20-25	205.22-25	205.24-25
30	205.10-30	205.12-30	205.14-30	205.16-30	205.18-30	205.20-30	205.22-30	205.24-30
35	205.10-35	205.12-35	205.14-35	205.16-35	205.18-35	205.20-35	205.22-35	205.24-35
40	205.10-40	205.12-40	205.14-40	205.16-40	205.18-40	205.20-40	205.22-40	205.24-40
45	205.10-45	205.12-45	205.14-45	205.16-45	205.18-45	205.20-45	205.22-45	205.24-45
50	205.10-50	205.12-50	205.14-50	205.16-50	205.18-50	205.20-50	205.22-50	205.24-50

NOTE : For Titanium please add. 'Ti' before in above Codes (Example: Ti-205.10-20).

**TITANIUM**

Length in mm	Diameter							
	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm
20	Ti-205.10-20	Ti-205.12-20	Ti-205.14-20	Ti-205.16-20	Ti-205.18-20	Ti-205.20-20	Ti-205.22-20	Ti-205.24-20
25	Ti-205.10-25	Ti-205.12-25	Ti-205.14-25	Ti-205.16-25	Ti-205.18-25	Ti-205.20-25	Ti-205.22-25	Ti-205.24-25
30	Ti-205.10-30	Ti-205.12-30	Ti-205.14-30	Ti-205.16-30	Ti-205.18-30	Ti-205.20-30	Ti-205.22-30	Ti-205.24-30
35	Ti-205.10-35	Ti-205.12-35	Ti-205.14-35	Ti-205.16-35	Ti-205.18-35	Ti-205.20-35	Ti-205.22-35	Ti-205.24-35
40	Ti-205.10-40	Ti-205.12-40	Ti-205.14-40	Ti-205.16-40	Ti-205.18-40	Ti-205.20-40	Ti-205.22-40	Ti-205.24-40
45	Ti-205.10-45	Ti-205.12-45	Ti-205.14-45	Ti-205.16-45	Ti-205.18-45	Ti-205.20-45	Ti-205.22-45	Ti-205.24-45
50	Ti-205.10-50	Ti-205.12-50	Ti-205.14-50	Ti-205.16-50	Ti-205.18-50	Ti-205.20-50	Ti-205.22-50	Ti-205.24-50

INSTRUMENTS FOR MONO-AXIAL & POLY AXIAL SPINE IMPLANTS, S.S.

Code No.	Description
206.001	Pedicle Elevator
206.002	Laminar Elevator
206.003	Thoracic Facet Finder
206.004	Probe Flat
206.005	Probe Round
206.006	Bone Tap - 6mm
206.007	Bone Tap - 5mm
206.008	Monoxial Screw Driver
206.009	Polyaxial Screw Driver
206.010	In-Line Hook Holder
206.011	Insertor for In-Line Holder
206.012	Compact Hook Holder
206.013	Insertor for Compact Hook Holder
206.014	2.5mm Standard Hex Shaft
206.015	French Rod Bender
206.016	Tube Rod Bender

Code No.	Description
206.017	IN-Situ Rod Bender, Right & Left
206.018	Rod Holder
206.019	Open Rod Pusher
206.020	Closed Rod Pusher
206.021	Sagittal Hook Holder
206.022	Sagittal Rod Aproximator
206.023	Sagittal Hook Holder Threaded
206.024	Sagittal Rod Fork Large & Small
206.025	Inner Screw Insertor with Outer Nut Insertor
206.027	Compressor
206.028	Spreader
206.029	Rod Clamp - Long
206.030	Distractor - Angled
206.031	Inner Screw Tightener - Long
206.032	Outer Nut Tightener

Code No.	Description
206.033	Outer Nut Tightener - Half Wrench
206.034	90° Awl
206.035	Staple Driver
206.036	Rod Cutter
206.037	Rod Stabiliser
206.038	Depth Gauge
206.039	Vertebral Body Positioner
206.040	Straight Awl
206.041	Tightener - Long
206.042	Tab Removers (Pair)
206.043	Monoaxial Screwdriver for Reduction Screw
206.044	Polyaxial Screw Driver Shaft Sleeve
206.045	Cage Holder
206.046	Cage Pusher



**Compressor**  
Code No.: 206.027



**Flat Prob**  
Code No.: 206.004



**Monoaxil Screw Driver**  
Code No.: 206.008



**Bone Tap**  
Code No.: 206.006 / 206.007



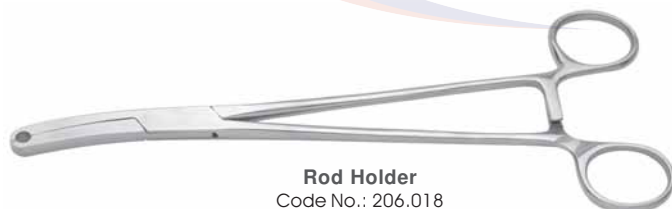
**Straight Awl**  
Code No.: 206.040



**Pedical Elevator**  
Code No.: 206.001



**Inner Screw Inserter with Outer Nut Inserter**  
Code No.: 206.025



**Rod Holder**  
Code No.: 206.018



**Spreader**  
Code No.: 206.028



**Polyaxial Screw Driver**  
Code No.: 206.009



**Polyaxial Screw Driver Shaft Sleeve**  
Code No.: 206.044



**Rod Clamp, Long**  
Code No.: 206.029



**Spinal Rod Bender**  
Code No.: 390.056

STEFFEE IMPLANTS



STEFFEE PLATES

No. of Holes	Codes	
	Stainless Steel	Titanium
1	198.010	Ti-198.010
1.5	198.015	Ti-198.015
2	198.020	Ti-198.020
2 Half Holes	198.022	Ti-198.022
2.5	198.025	Ti-198.025
3	198.030	Ti-198.030
3 Half Holes	198.032	Ti-198.032
3.5	198.035	Ti-198.035
4	198.040	Ti-198.040
4.5	198.045	Ti-198.045
5	198.050	Ti-198.050



STEFFEE SCREWS

Length in mm	Codes / Diameter (STAINLESS STEEL)				Codes / Diameter (TITANIUM)			
	4.5 mm	5.5 mm	6.25 mm	7 mm	4.5 mm	5.5 mm	6.25 mm	7 mm
24	198.124	198.224	198.324	198.424	Ti-198.124	Ti-198.224	Ti-198.324	Ti-198.424
26	198.126	198.226	198.326	198.426	Ti-198.126	Ti-198.226	Ti-198.326	Ti-198.426
28	198.128	198.228	198.328	198.428	Ti-198.128	Ti-198.228	Ti-198.328	Ti-198.428
30	198.130	198.230	198.330	198.430	Ti-198.130	Ti-198.230	Ti-198.330	Ti-198.430
32	198.132	198.232	198.332	198.432	Ti-198.132	Ti-198.232	Ti-198.332	Ti-198.432
34	198.134	198.234	198.334	198.434	Ti-198.134	Ti-198.234	Ti-198.334	Ti-198.434
36	198.136	198.236	198.336	198.436	Ti-198.136	Ti-198.236	Ti-198.336	Ti-198.436
38	198.138	198.238	198.338	198.438	Ti-198.138	Ti-198.238	Ti-198.338	Ti-198.438
40	198.140	198.240	198.340	198.440	Ti-198.140	Ti-198.240	Ti-198.340	Ti-198.440
42	198.142	198.242	198.342	198.442	Ti-198.142	Ti-198.242	Ti-198.342	Ti-198.442
44	198.144	198.244	198.344	198.444	Ti-198.144	Ti-198.244	Ti-198.344	Ti-198.444
46	198.146	198.246	198.346	198.446	Ti-198.146	Ti-198.246	Ti-198.346	Ti-198.446
48	198.148	198.248	198.348	198.448	Ti-198.148	Ti-198.248	Ti-198.348	Ti-198.448
50	198.150	198.250	198.350	198.450	Ti-198.150	Ti-198.250	Ti-198.350	Ti-198.450
52	198.152	198.252	198.352	198.452	Ti-198.152	Ti-198.252	Ti-198.352	Ti-198.452
54	198.154	198.254	198.354	198.454	Ti-198.154	Ti-198.254	Ti-198.354	Ti-198.454
56	198.156	198.256	198.356	198.456	Ti-198.156	Ti-198.256	Ti-198.356	Ti-198.456
58	198.158	198.258	198.358	198.458	Ti-198.158	Ti-198.258	Ti-198.358	Ti-198.458
60	198.160	198.260	198.360	198.460	Ti-198.160	Ti-198.260	Ti-198.360	Ti-198.460

STEFFEE INSTRUMENTS, S.S.

Code No.	Description
392.010	Steffee Wrench - 8.0mm
392.020	Steffee Wrench - 11.0mm
392.030	Steffee Screw Tap - 4.5mm
392.040	Steffee Screw Tap - 5.5mm
392.041	Steffee Screw Tap - 6.25mm
392.042	Steffee Screw Tap - 7.0mm
392.050	Steffee Awl
392.060	Steffee Screw Introducer



TRAUMATOLOGY OF SPINE



**H-PLATE FOR CERVICAL SPINE**

No. of Holes	Hole Spacing in mm	Length in mm	Stainless Steel	Titanium
5	16	23	199.001	Ti-199.001
5	18	25	199.002	Ti-199.002
5	21	28	199.003	Ti-199.003
8	16+18	41	199.004	Ti-199.004
8	18+21	46	199.005	Ti-199.005
11	16+18+18	58	199.006	Ti-199.006

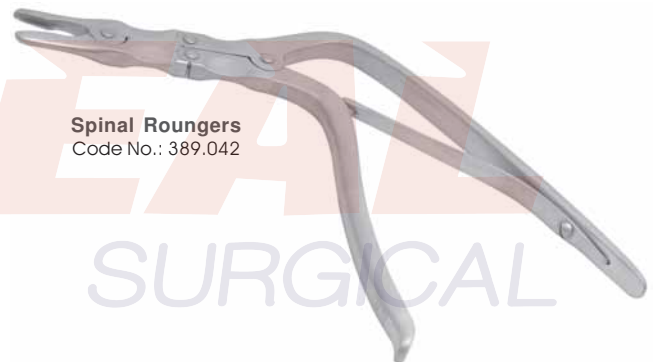


**HART SHELLS**

Size in mm.	Codes	
	Stainless Steel	Titanium
75	195.103	Ti-195.103
100	195.104	Ti-195.104
125	195.105	Ti-195.105
150	195.106	Ti-195.106
175	195.107	Ti-195.107
200	195.108	Ti-195.108
225	195.109	Ti-195.109
250	195.110	Ti-195.110

INSTRUMENTS FOR LAMINECTOMY, S.S.

Code No.	Description
389.002	Punch Forceps-Small-Upcutting
389.004	Punch Forceps-Small-Downcutting
389.006	Punch Forceps-Large-Upcutting
389.008	Punch Forceps-Large-Downcutting
389.010	Punch Forceps-45° Angle-Upcutting
389.012	Punch Forceps-45° Angle-Downcutting
389.014	Disc Forceps-Straight
389.016	Disc Forceps-Upward
389.018	Disc Forceps-Downward
389.020	Beckmann Adson Retractor
389.022	Nerve Root Retractor - Straight
389.024	Nerve Root Retractor - 45° Angle
389.026	Nerve Root Retractor - 90° Angle
389.028	Nerve Root Dissector
389.030	McDowel's Dissector
389.032	Durer Elevator
389.034	Cobs Elevator
389.042	Spinal Rongeurs



**Spinal Rongeurs**  
Code No.: 389.042



**BONE CURRETTE WITH FIBRE HANDLE**  
Code No.: 367.020



**McDowel's Dissector**  
Code No.: 389.030



**Durer Elevator**  
Code No.: 389.032



**Cobs Elevator**  
Code No.: 389.034

**SELF RETAINING RETRACTOR  
STAINLESS STEEL**

Code No.	Size
380.010	Small
380.020	Medium
380.030	Large
380.040	Extra Large





**Punch Forceps-Small-Upcutting**  
Code No.: 389.002



**Punch Forceps-Small-Downcutting**  
Code No.: 389.004



**Punch Forceps-Large-Downcutting**  
Code No.: 389.008



**Punch Forceps-Large-Upcutting**  
Code No.: 389.006



**Punch Forceps-45° Angle-Upcutting**  
Code No.: 389.010



**Punch Forceps-45° Angle-Downcutting**  
Code No.: 389.012



**Disc Forceps-Straight**  
Code No.: 389.014



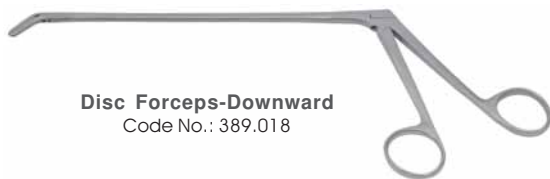
**Nerve Root Retractor - Straight**  
Code No.: 389.022



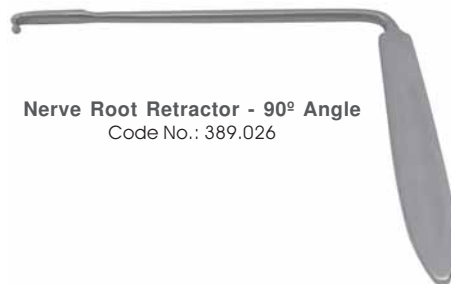
**Disc Forceps-Upward**  
Code No.: 389.016



**Nerve Root Retractor - 45° Angle**  
Code No.: 389.024



**Disc Forceps-Downward**  
Code No.: 389.018



**Nerve Root Retractor - 90° Angle**  
Code No.: 389.026



HARRINGTON IMPLANTS



**HARRINGTON ROD  
STAINLESS STEEL**

Code No.	Size mm
197.025	25
197.051	51
197.076	76
197.102	102
197.127	127
197.152	152
197.178	178
197.203	203
197.224	224
197.254	254



**HARRINGTON HOOKS  
STAINLESS STEEL**

Code No.	Description
197.270	Harrington Hook Upper - Sharp
197.271	Harrington Hook Upper - Blunt
197.275	Harrington Hook Lower - Sharp
197.276	Harrington Hook Lower - Blunt
197.280	Clip Washer

HARRINGTON INSTRUMENTS

**HARRINGTON INSTRUMENTS  
STAINLESS STEEL**

Code No.	Description
390.005	Harrington Punch
390.010	Hook Holding Forceps - Left
390.015	Hook Holding Forceps - Right
390.020	Hook Spreader
390.025	Threaded Rod Clamp - Small
390.030	Threaded Rod Clamp - Large
390.035	Hook Pusher - Straight
390.040	Hook Pusher - Curved
390.045	C-Washer Holding Forceps
390.056	Spinal Rod Bender
390.055	Out Rigger
391.000	Bender for Hart Shells (Pair)



**CAPNERS'/COBB SPINAL GOUGE  
STAINLESS STEEL**

Code No.	Description
389.036	Straight
389.038	Curved
389.040	Deep Curved



**SPINAL ROD BENDER**  
Code No.: 390.056

EXTERNAL FIXATOR





EXTERNAL FIXATOR FOR FOREARM & METACARPALS, S.S.



**SMALL SINGLE PIN CLAMP 4.0X2.5MM**  
Code No.: 213.001



**SMALL CONNECTING CLAMP 4.0X4.0MM**  
Code No.: 213.002



**SMALL COMPRESSION DISTRACTION DEVICE**  
Code No.: 217.000

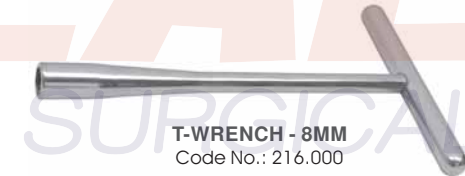


**SPANNER - 8MM**  
Code No.: 215.000



**CONNECTING ROD - 4.0MM DIA.**

Code No.	Length mm
214.003	100
214.004	150
214.005	200
214.006	250
214.007	300



**T-WRENCH - 8MM**  
Code No.: 216.000



**FRONT THREADED PINS**

Code No.	Dia. mm	Length mm
220.010	1.5	75
220.020	2.0	75
220.030	2.5	100

Code No.	Description
218.000	Double Sleeve 2.5mm / 4.0mm Dia.



**FRONT THREADED PINS**

Code No.	Description
	<b>Dia 3.5mm, Shaft 4.0mm, Length 125mm</b>
220.040	Thread Length - 14mm
220.041	Thread Length - 20 mm
	<b>Dia 3.5mm, Shaft 4.5mm, Length 125mm</b>
220.050	Thread Length - 18mm
220.051	Thread Length - 22mm
	<b>Cancellous Front Threaded Pin</b>
220.060	Dia 3.5mm, Shaft 4.0mm, Length 125mm

□ TUBULAR EXTERNAL FIXATOR, S.S.

Code No.	Description
210.002	Single Pin Clamp (Deluxe)
210.003a	Double Pin Clamp (Deluxe)
210.004	Open Single Pin Clamp
210.005	Connecting Clamp
210.007	Twin Adjustable Clamp - Straight
210.008	Twin Adjustable Clamp - Curved
210.009	Transverse Clamp
210.010	Tube to Tube Clamp
210.011	Semi Circular Tubular Rod - Small
210.012	Semi Circular Tubular Rod - Large
210.013	Single Pin Clamp with Extension Plate
210.014	Double Pin Clamp with Extension Plate
210.030	Compression Distraction Device
210.031	Shanz Pin Introducer
210.032	Connecting Rod 5.0mm

Code No.	Description
210.033	Spanner - 11mm
210.034	T-Wrench - 11mm
210.035	Box Spanner - 11mm
210.036	Triple Trocar Set with Handle
210.037	Triple Trocar Set - Extra Long
210.038	Sleeve with Handle for 6.5mm Cancellous Shanz Pin
210.050	Tubular Rods : 100mm (4")
210.051	Tubular Rods : 150mm (6")
210.052	Tubular Rods : 200mm (8")
210.053	Tubular Rods : 250mm (10")
210.054	Tubular Rods : 300mm (12")
210.055	Tubular Rods : 350mm (14")
210.056	Tubular Rods : 400mm (16")
210.057	Tubular Rods : 450mm (18")
210.058	Tubular Rods : 500mm (20")



**SINGLE PIN CLAMP (DELUXE)**  
Code No.: 210.002



**DOUBLE PIN CLAMP (DELUXE)**  
Code No.: 210.003a



**OPEN SINGLE PIN CLAMP**  
Code No.: 210.004



**CONNECTING CLAMP**  
Code No.: 210.005



**TWIN ADJUSTABLE CLAMP - STRAIGHT**  
Code No.: 210.007



**TWIN ADJUSTABLE CLAMP - CURVED**  
Code No.: 210.008



**TRANSVERSE CLAMP**  
Code No.: 210.009



**TUBE TO TUBE CLAMP**  
Code No.: 210.010



**COMPRESSION DISTRACTION DEVICE**  
Code No.: 210.030



**SHANZ PIN INTRODUCER**  
Code No.: 210.031



**CONNECTING ROD 5.0MM**  
Code No.: 210.032



**SPANNER - 11MM, S.S.**  
Code No.: 210.033



**TRIPLE TROCAR SET WITH HANDLE**  
Code No.: 210.036



**TRIPLE TROCAR SET WITH HANDLE  
EXTRA LONG**  
Code No.: 210.037



**TUBULAR ROD  
11MM DIA.**

Code No.	Description
210.050	Tubular Rods : 100mm (4")
210.051	Tubular Rods : 150mm (6")
210.052	Tubular Rods : 200mm (8")
210.053	Tubular Rods : 250mm (10")
210.054	Tubular Rods : 300mm (12")
210.055	Tubular Rods : 350mm (14")
210.056	Tubular Rods : 400mm (16")
210.057	Tubular Rods : 450mm (18")
210.058	Tubular Rods : 500mm (20")



**FRONT THREADED PINS (SHANZ SCREWS)**

Code No.	Dia. mm	Length mm	Thread mm
211.001	4.0	125	18
211.002	4.0	175	25
211.005	4.5	150	18
211.006	4.5	150	25
211.007	4.5	175	18
211.008	4.5	175	25
211.009	4.5	175	32
211.010	4.5	175	40
211.011	4.5	200	25
211.012	4.5	200	32
211.013	4.5	200	40
211.014	4.5	225	25
211.015	4.5	225	32
211.016	4.5	225	40
211.025	5.0	150	18
211.026	5.0	150	25
211.027	5.0	175	18
211.028	5.0	175	25
211.029	5.0	175	32
211.030	5.0	175	40
211.031	5.0	200	25
211.032	5.0	200	32
211.033	5.0	200	40
211.034	5.0	225	25
211.035	5.0	225	32
211.036	5.0	225	40
211.037	6.0	225	32
211.038	6.0	225	40



**CANCELLOUS FRONT THREADED PIN  
6.5MM DIA.**

Code No.	Thread Length in mm	Total Length in mm
212.016	16	225
212.032	32	225
212.050	50	225



EXTERNAL FIXATOR - ILIZAROV  
FULL RING

Code No.	Size mm
229.008	80
229.010	100
229.012	120
229.014	140
229.016	160
229.018	180
229.020	200
229.022	220
229.024	240



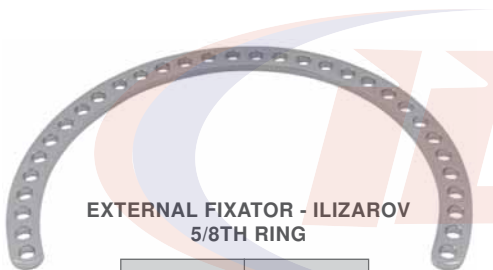
EXTERNAL FIXATOR - ILIZAROV  
1/2 RING

Code No.	Size mm
230.008	80
230.010	100
230.012	120
230.014	140
230.016	160
230.018	180
230.020	200
230.022	220
230.024	240
230.026	260



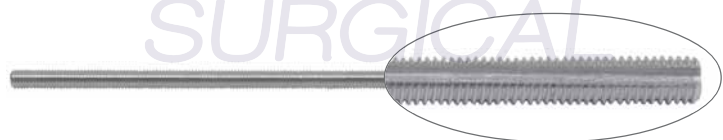
THREADDED ROD

Code No.	Size mm
237.002	75
237.004	100
237.006	125
237.008	150
237.010	200
237.012	250
237.014	300
237.016	350
237.018	400
237.020	450



EXTERNAL FIXATOR - ILIZAROV  
5/8TH RING

Code No.	Size mm
231.010	100
231.012	120
231.014	140
231.016	160
231.018	180
231.020	200
231.022	220
231.024	240
231.026	260

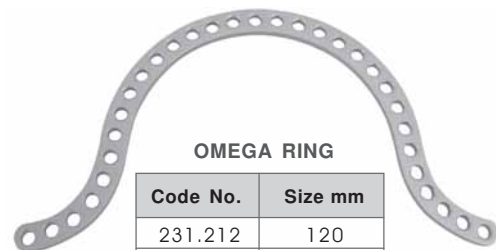


THREADDED ROD  
SLOTTED

Code No.	Size mm
238.002	75
238.004	100
238.006	125
238.008	150

CARBON CONNECTING  
PLATE, WIDTH 18MM,  
THICKNESS 7MM.

No. of Holes	Codes
2	244.102
3	244.103
4	244.104
5	244.105
6	244.106
11	244.111
16	244.116
20	244.120



OMEGA RING

Code No.	Size mm
231.212	120
231.214	140
231.216	160
231.218	180
231.220	200



CARBON RINGS

ID in mm	OD in mm	Sizes / Codes					
		full ring	3/4 ring	5/8 ring	half Ring	3/8 ring	1/4 ring
80	120	360.80-120	34.80-120	58.80-120	180.80-120	38.80-120	14.80.120
100	140	360.100-140	34.100-140	58.100-140	180.100-140	38.100-140	14.100-140
110	150	360.110-150	34.110-150	58.110-150	180.110-150	38.110-150	14.110-150
120	160	360.120-160	34.120-160	58.120-160	180.120-160	38.120-160	14.120-160
130	170	360.130-170	34.130-170	58.130-170	180.130-170	38.130-170	14.130-170
140	180	360.140-180	34.140-180	58.140-180	180.140-180	38.140-180	14.140-180
150	190	360.150-190	34.150-190	58.150-190	180.150-190	38.150-190	14.150-190
160	200	360.160-200	34.160-200	58.160-200	180.160-200	38.160-200	14.160-200
180	220	360.180-220	34.180-220	58.180-220	180.180-220	38.180-220	14.180-220
200	240	360.200-240	34.200-240	58.200-240	180.200-240	38.200-240	14.200-240
220	260	360.220-260	34.220-260	58.220-260	180.220-260	38.220-260	14.220-260
240	280			58.240-280	180.240-280		
260	300				180.260-300		

CARBON RODS

Length in mm	Diameter / Codes							
	4 mm	6.3 mm	8 mm	9.5 mm	11 mm	1/8 inch	3/16 inch	5/16 inch
50		CR.63-50						
75						CR.18-75		
80	CR.4-80							
100	CR.4-100	CR.63-100	CR.8-100	CR.95-100	CR.11-100	CR.18-100	CR.31-100	CR.51-100
125	CR.4-125							
150	CR.4-150	CR.63-150	CR.8-150	CR.95-150	CR.11-150	CR.18-150	CR.31-150	CR.51-150
160	CR.4-160							
175	CR.4-175							
200	CR.4-200	CR.63-200	CR.8-200	CR.95-200	CR.11-200		CR.31-200	CR.51-200
250	CR.4-250	CR.63-250	CR.8-250	CR.95-250	CR.11-250		CR.31-250	CR.51-250
300			CR.8-300	CR.95-300	CR.11-300			
350			CR.8-350	CR.95-350	CR.11-350			
400			CR.8-400	CR.95-400	CR.11-400			
450					CR.11-450			
500					CR.11-500			



ITALIAN FEMORAL ARCHE

ITALIAN FEMORAL  
ARCHE 90°

ITALIAN FEMORAL  
ARCHE 120°

SPINAL ARCHES

ID	OD	Codes
140	180	140S-180
220	260	220S-260

Size in mm	Codes	
	Stainless Steel	Carbon
100	232.010	
120	232.012	90.120-25
140	232.014	90.140-25
160	232.016	90.160-25
180	232.018	90.180-25
200	232.020	90.200-25
220	232.022	
240	232.024	
260	232.026	

Size in mm	Codes	
	Stainless Steel	Carbon
100	233.010	
120	233.012	120.120-25
140	233.014	120.140-25
160	233.016	120.160-25
180	233.018	120.180-25
200	233.020	120.200-25
220	233.022	
240	233.024	
260	233.026	



**GRADUATED  
TELESCOPIC ROD**

Code No.	Size mm
240.310	100
240.320	150



**TELESCOPIC ROD**

Code No.	Size mm
239.010	100
239.015	150
239.020	200
239.025	250
239.030	300



**SHORT CONNECTION PLATES**

Code No.	No. of Holes
244.002	2
244.003	3
244.004	4
244.005	5
244.006	6
244.007	7
244.008	8
244.009	9
244.010	10



**CONNECTION PLATES  
WITH THREADED ENDS**

Code No.	No. of Holes
245.005	5
245.007	7
245.009	9
245.011	11



**HINGE - MALE**  
Code No.: 243.020



**HINGE - 90°**  
Code No.: 243.030



**TWISTED PLATE**

Code No.	No. of Holes
246.002	2
246.003	3
246.004	4



**POST FEMALE**

Code No.	No. of Holes
241.002	2
241.003	3
241.004	4



**HINGE - FEMALE**  
Code No.: 243.010



**BUSHING**  
Code No.: 246.210



**THREADED SOCKET**

Code No.	Size mm
247.002	20
247.003	30
247.004	40
247.006	60



**CURVED PLATE**

Code No.	No. of Holes
246.103	3
246.104	4
246.105	5
246.106	6



**POST MALE**

Code No.	No. of Holes
242.002	2
242.003	3
242.004	4



**ILIZAROV WIRE BAYONET POINT - 1.5MM X 400MM**  
Code No.: 248.010



**OLIVE WIRE BAYONET POINT - 1.5MM X 400MM**  
Code No.: 248.018

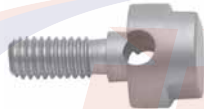
□ ILIZAROV WIRE, NUTS, BOLTS & WASHERS, S.S.

Code No.	Description
234.000	Multi-pin Fixation Clamp
235.000	Single Pin Fixation Bolt
235.101	Single Pin Fixation Bolt With Washer - Deluxe
236.000	Oblique Support with Thread
236.010	Oblique Support without Thread
248.010	Ilizarov Wire 1.5mm x 400mm Bayonet Point
248.012	Ilizarov Wire 1.8mm x 400mm Bayonet Point
248.014	Ilizarov Wire 1.5mm x 400mm Trocar Point
248.016	Ilizarov Wire 1.8mm x 400mm Trocar Point
248.018	Olive Wire - 1.5mm x 400mm Bayonet Point
248.020	Olive Wire - 1.8mm x 400mm Bayonet Point
248.018a	Olive Wire - 1.5mm x 400mm Trocar Point
248.020a	Olive Wire - 1.8mm x 400mm Trocar Point
249.101	Wire Fixation Bolt - Cannulated
249.102	Wire Fixation Bolt - Slotted
249.103	Cannulated Bolt with Female Thread in Head
249.104	Wire Buckle
249.105	Conical Washer - Couple
249.106	Connection Bolt
249.107	Nut-10mm
249.108	Square Nut

Code No.	Description
249.109	Nylon Insert Nut
249.110	Flat Sided Washer
249.111	Slotted Washer
249.112	Spacing Washer
249.113	Repofix Device
249.114	Wrenchocube One Hole
249.115	Wrenchocube Two Hole
249.116	Wrenchocube Three Hole
249.117	Wrenchocube Four Hole
249.118	Hinge Joint
250.201	Spanner - 10mm
250.202	Angulated Wrench-10mm-Cannulated
250.202	Angulated Wrench-10mm-Slotted Bolt
250.203	Box Spanner - 10mm
251.305	Corticotome - 5mm
251.307	Corticotome - 7mm
251.310	Corticotome - 10mm
251.315	Corticotome - 15mm
252.401	Mechanical Wire Tensioner
252.402	Dynamometer
252.410	Washer Hanger



**MULTI-PIN FIXATION CLAMP**  
Code No.: 234.000



**SINGLE PIN FIXATION BOLT**  
Code No.: 235.000



**SINGLE PIN FIXATION BOLT WITH WASHER - DELUXE**  
Code No.: 235.101



**WIRE FIXATION BOLT CANNULATED**  
Code No.: 249.101



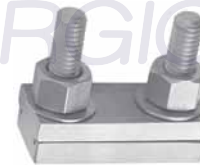
**WIRE FIXATION BOLT SLOTTED**  
Code No.: 249.102



**OBLIQUE SUPPORT WITHOUT THREAD**  
Code No.: 236.010



**OBLIQUE SUPPORT WITH THREAD**  
Code No.: 236.000



**WIRE BUCKLE**  
Code No.: 249.104



**CONICAL WASHER COUPLE**  
Code No.: 249.105



**CONNECTION BOLT**  
Code No.: 249.106



**NUT - 10MM**  
Code No.: 249.107



**SQUARE NUT**  
Code No.: 249.108



**NYLON INSERT NUT**  
Code No.: 249.109



**FLAT SIDED WASHER**  
Code No.: 249.110



**SLOTTED WASHER**  
Code No.: 249.111



**SPACING WASHER**  
Code No.: 249.112



**WRENCHOCUBE - ONE HOLE**  
Code No.: 249.114



**WRENCHOCUBE - TWO HOLE**  
Code No.: 249.115



**WRENCHOCUBE - THREE HOLE**  
Code No.: 249.116



**WRENCHOCUBE - FOUR HOLE**  
Code No.: 249.117



**REPOFIX DEVICE**  
Code No.: 249.113



**ANGULATED WRENCH  
10MM - CANNULATED**  
Code No.: 250.202



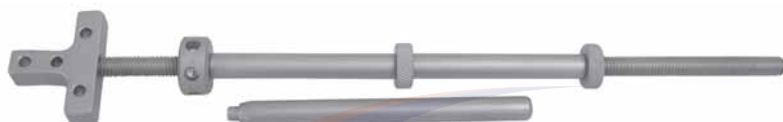
**WASHER HANGER**  
Code No.: 252.410



**CORTICOTOME**  
Code No.: 251.305



**DYNAMOMETER**  
Code No.: 252.402



**LENGTHENING DEVICE**  
Code No.: 255.002

**LENGTHENING DEVICE, S.S.**  
(Used with Tubular External Fixator)

- 255.002 Lengthening Device, 12" Long.
- 255.004 Lengthening Device, 14" Long.
- 255.006 Lengthening Device, 16" Long.

Remaining Items of Set:	Units
8mm Threaded Rod . . . . .	1
Wheel Bolts . . . . .	6
Wheel Bolt with Hex Nut . . . . .	1
Tubular Rod 3"/4" . . . . .	3
Tommy Bar . . . . .	1

**ILIZAROV SET - MEDIUM, S.S.**  
Code No.: IS027

Setts Consisting of	Units
5/8 Rings 100/160/180mm . . . . .	8
Cannulated Bolts . . . . .	20
Connection Bolts . . . . .	10
Telescopic Rods : 100, 150mm (3 each) . . . . .	6
Threaded Rods : 100, 150, 200mm (6 each) . . . . .	18
Nuts : 10mm . . . . .	100
Short Connection Plates : 3 Holes, 4 Holes (4each) . . . . .	8
Short Connection Plates : 5, 6, 7 Holes (2 each) . . . . .	6
Male Post . . . . .	2
Female Post . . . . .	2
Washers . . . . .	20
Hinge - Male/Female . . . . .	6
Sockets . . . . .	6
Ilizarov Wire 1.5/1.8mm . . . . .	10
Olive Wires 1.5/1.8mm . . . . .	2
S.S.Box with Trays . . . . .	1 set

**ILIZAROV SET - SMALL, S.S.**  
Code No.: IS026

Setts Consisting of	Units
5/8 Rings 100/120mm . . . . .	6
Cannulated Bolts . . . . .	15
Connection Bolts . . . . .	10
Telescopic rod : 100mm . . . . .	3
Nuts : 10mm . . . . .	100
Threaded Rods : 100, 150, 200mm (6 each) . . . . .	18
Short Connection Plate : 3 Holes, 4 Holes (4each) . . . . .	8
Male Post . . . . .	2
Female Post . . . . .	2
Washers . . . . .	10
Hinge - Male/Female . . . . .	6
Sockets . . . . .	4
Ilizarov Wire 1.5/1.8mm . . . . .	10
Olive Wires 1.5/1.8mm . . . . .	2
S.S.Box 450mm Long with Trays . . . . .	1 set

**ILIZAROV SET - LARGE, S.S.**  
Code No.: IS028

Setts Consisting of	Units
5/8 Rings 200/220/240mm . . . . .	8
Italian Arch . . . . .	2
Cannulated Bolts . . . . .	20
Connection Bolts . . . . .	10
Telescopic Rods : 100, 150, 200mm (3 each) . . . . .	9
Telescopic Rods : Graduated . . . . .	3
Threaded Rods : 150, 200, 250mm (6 each) . . . . .	18
Nuts . . . . .	100
Short Connection Plates : 3 Holes, 4 Holes (4each) . . . . .	8
Short Connection Plates : 5, 6, 7 Holes (2 each) . . . . .	6
Male Post . . . . .	2
Female Post . . . . .	2
Hinge - Male/Female . . . . .	6
Washers . . . . .	20
Sockets . . . . .	6
Shanz Pins . . . . .	4
Shanz Pins Fixation bolts . . . . .	4
Oblique Support . . . . .	2
Ilizarov Wire 1.8mm . . . . .	10
Olive Wires 1.8mm . . . . .	5
S.S.Box with Trays . . . . .	1 set





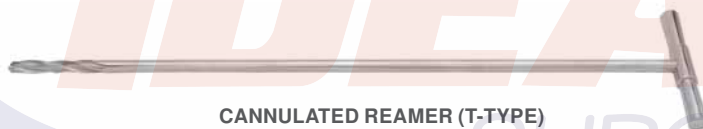
**DRILL BIT - S.S.  
QUICK COUPLING END**

Code No.	Dia. mm	Length mm
260.190	1.1	60
260.192	1.5	60
260.200	2.0	100
260.250	2.5	115
260.251	2.5	130
260.271	2.7	130
260.273	2.7	200
260.300	3.0	130
260.320	3.2	130
260.325	3.2	200
260.350	3.5	130
260.375	3.5	200
260.376	3.5	250
260.400	4.0	130
260.450	4.5	130
260.475	4.5	200
260.501	4.0 x 4.5	250
260.502	5.0	250



**DRILL BIT - S.S.  
PLAIN SHANK / JACOB CHUCK END**

Code No.	Dia. mm	Length mm
261.620	2.0	100
261.625	2.5	115
261.626	2.5	130
261.627	2.7	130
261.628	2.7	200
261.630	3.0	130
261.632	3.2	130
261.633	3.2	200
261.635	3.5	130
261.636	3.5	200
261.637	3.5	250
261.640	4.0	130
261.645	4.5	130
261.646	4.5	200
261.650	5.0	250
261.660	6.0	250

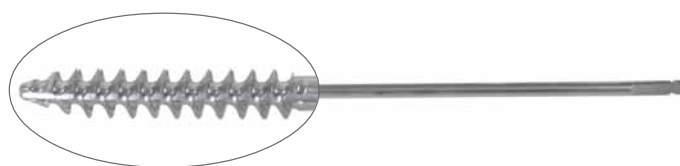


**CANNULATED REAMER (T-TYPE)**  
Code No.: 507.96-8 to 507.96-14



**BONE TAP  
WITH T-HANDLE**

Code No.	Dia. mm	
263.010	1.5	Cortical
263.015	2.0	Cortical
263.020	2.7	Cortical
263.025	3.5	Cortical
263.030	3.5	Cancellous
263.038	4.0	Cancellous
263.040	4.5	Cortical
263.045	4.5	Cortical Extra Long
263.050	6.5	Cancellous Long



**BONE TAP  
QUICK COUPLING END**

Code No.	Dia. mm	
264.020	2.7	Cortical
264.025	3.5	Cortical
264.030	3.5	Cancellous
264.038	4.0	Cancellous
264.040	4.5	Cortical
264.045	4.5	Cortical Extra Long
264.050	6.5	Cancellous Long

**SELF CENTERING BONE HOLDING FORCEPS**

Code No.	Length mm
340.010	150
340.020	190
340.030	240
340.040	260
340.050	280



**REDUCTION FORCEPS  
SERRATED, SPEED LOCK**

Code No.	Length mm
341.025	140
341.030	170
341.040	200
341.050	240
341.055	280



**REDUCTION FORCEPS  
SERRATED, RATCHET LOCK**

Code No.	Length mm
341.010	140
341.020	170
341.022	200



**REDUCTION FORCEPS  
POINTED, SPEED LOCK**

Code No.	Length mm
342.035	140
342.040	170
342.050	200
342.060	240
342.065	280



**REDUCTION FORCEPS  
POINTED, RATCHET LOCK**

Code No.	Length mm
342.010	140
342.020	170
342.030	200



**LANE BONE HOLDING  
FORCEPS WITH RATCHET**

Code No.	Length mm
349.010	200
349.020	250
349.030	300



**LANE BONE HOLDING FORCEPS  
WITHOUT RATCHET LOCK**

Code No.	Length mm
349.050	200
349.060	250
349.070	300

# GENERAL INSTRUMENTS



**PATELLA BONE HOLDING FORCEPS, THREE PRONG**  
Code No.: 343.010



**PATELLA BONE HOLDING FORCEPS, FOUR PRONG**  
Code No.: 343.020



**MODIFIED PATELLA BONE HOLDING FORCEPS THREE PRONG**  
Code No.: 343.022



**MODIFIED PATELLA BONE HOLDING FORCEPS FOUR PRONG**  
Code No.: 343.024



**BURN'S BONE HOLDING FORCEPS - HEAVY DUTY**  
Code No.: 350.000



**BONE AND PLATE HOLDING FORCEPS**  
Code No.: 348.010



**FIBULAR FORCEPS - STRAIGHT**  
Code No.: 345.010



**MALLEOLAR FORCEPS WITH 2 POINTS WHICH MEET AT 15° ANGLE 210MM**  
Code No.: 347.000

**PELVIC REDUCTION FORCEPS, S.S.**

- 344.010 Pelvic Reduction Forceps, Oblique, Small, Length-190mm, with Pointed Ball Tips, Speed Lock
- 344.020 Pelvic Reduction Forceps, Oblique, Small, Length-240mm, with Pointed Ball Tips, Speed Lock
- 344.030 Pelvic Reduction Forceps, Length-400mm, with Pointed ball Tips, Speed Lock
- 344.040 Pelvic Reduction Forceps, Small, for Screws Length-200mm, use with 3.5 and 4.5mm Cortical Screws
- 344.050 Pelvic Reduction Forceps, Medium, for Screws Length-250mm, use with 3.5 and 4.5mm Cortical Screws
- 344.060 Pelvic Reduction Forceps, Large, for Screws Length-330mm, Speed Lock, Fixation with Two 4.5mm Cortical Screws
- 344.070 Pelvic Reduction Forceps, with Angled Pointed Ball Tips Length-250mm, Speed Lock
- 344.080 Pelvic Reduction Forceps, Long, with Pointed Ball Tips Length-400mm, Speed Lock
- 344.090 Pelvic Reduction Forceps, Long, with Three Pointed Ball Tips Length-400mm, Speed Lock

**FIBULAR FORCEPS, S.S.**

- 345.010 210mm - Straight
- 345.020 210mm - Curved

**HOLDING FORCEPS FOR TIBIAL EDGE FRAGMENT, S.S.**

- 346.000 210mm

**DOYEN'S RIB SHEARER, S.S.**



**LOWMAN BONE CLAMP STAINLESS STEEL**

Code No.	Description
352.010	for Fingers (Mini)
352.020	for Forearms (Extra Small)
352.030	for Humurus (Small)
352.040	for Tibia (Medium)
352.050	for Femur (Large)



**BONE CUTTING FORCEPS (DOUBLE ACTION)  
STRAIGHT**

Code No.	Length mm
353.010	190
353.020	225
353.030	270



**BONE CUTTING FORCEPS (DOUBLE ACTION)  
CURVED**

Code No.	Length mm
354.010	190
354.020	225
354.030	270



**TUDER EDWARD  
BONE CUTTING FORCEPS**  
Code No.: 358.000



**BONE NIBBLER (DOUBLE ACTION)  
STRAIGHT**

Code No.	Length mm
355.010	190
355.020	225
355.030	270



**BONE NIBBLER (DOUBLE ACTION)  
CURVED**

Code No.	Length mm
356.010	190
356.020	225
356.030	270



**BONE NIBBLER (DOUBLE ACTION)  
ANGULAR**

Code No.	Length mm
357.010	190
357.020	225
357.030	270



**BONE FILE, S.S.  
WITH FIBRE HANDLE  
FLAT**

Code No.	Size mm
361.020	100
361.030	150

Code No.	Description
361.010	Bone File, Half Round, Pointed



**CHISELS, S.S.  
WITH FIBRE HANDLE**

Code No.	Size mm
362.005	5
362.010	10
362.015	15
362.020	20
362.025	25
362.030	30



**OSTEOTOMES, S.S.  
WITH FIBRE HANDLE  
STRAIGHT**

Code No.	Size mm
363.005	5
363.010	10
363.015	15
363.020	20
363.025	25
363.030	30



**OSTEOTOMES, S.S.  
WITH FIBRE HANDLE  
CURVED**

Code No.	Size mm
364.005	5
364.010	10
364.015	15
364.020	20
364.025	25
364.030	30



**GOUGE, S.S.  
WITH FIBRE HANDLE  
STRAIGHT**

Code No.	Size mm
365.005	5
365.010	10
365.015	15
365.020	20
365.025	25
365.030	30



**GOUGE, S.S.  
WITH FIBRE HANDLE  
CURVED**

Code No.	Size mm
366.005	5
366.010	10
366.015	15
366.020	20
366.025	25
366.030	30



**FINGER SAW**  
Code No.: 360.000



**AMPUTATION SAW**  
Code No.: 359.000



**BONE CURETTE  
DOUBLE ENDED**  
Code No.: 367.010



**BONE CURETTE  
WITH FIBRE HANDLE**  
Code No.: 367.020



**BONE HAMMER - NYLON FACED**  
Code No.: 368.050



**BONE HAMMER - S.S.**

Code No.	Weight gms
368.010	200
368.020	350
368.030	500
368.040	700



**BONE HOOK**

Code No.	Size
369.010	Small
369.020	Medium
369.030	Large



**SHARP HOOK**  
Code No.: 371.000

**BONE HOLDING FORCEPS SET, S.S.**  
Code No.: IS023

	<i>Set Consisting of:</i>	<b>Units</b>
340.030	Self Centering Bone Holding Forceps - 240mm . . . . . 1	
340.040	Self Centering Bone Holding Forceps - 260mm . . . . . 2	
340.050	Self Centering Bone Holding Forceps - 280mm . . . . . 2	
341.030	Reduction Forceps Serrtaed Jaw Speed Lock-170mm. 1	
341.050	Reduction Forceps Serrtaed Jaw Speed Lock-240mm. 1	
342.040	Reduction Forceps Pointed Speed Lock - 170mm . . . . . 1	
342.050	Reduction Forceps Pointed Speed Lock - 200mm . . . . . 2	
400.015	S.S.Box with Trays 450mm Long . . . . . 1set	

**GENERAL INSTRUMENTS SET, S.S.**  
Code No.: IS024

	<i>Set Consisting of:</i>	<b>Units</b>
369.010	Bone Hook - Small . . . . . 1	
369.020	Bone Hook - Medium . . . . . 1	
379.025	Hohmann Retractor 8mm Short Narrow Tip, Length 220mm . . . . . 2	
379.030	Hohmann Retractor 18mm Short Narrow Tip, Length 235mm . . . . . 2	
379.045	Hohmann Retractor 24mm Long and Wide Tip, Length 270mm . . . . . 1	
381.012	Periosteal Elevator Straight with Fibre Handle - 12mm . 2	
368.030	Hammer 500gm . . . . . 1	
368.050	Hammer Nylon Faced . . . . . 1	
366.015	Bone Gauge Curved with Fibre Handle, 15mm . . . . . 1	
400.015	S.S.Box with Trays 450mm Long . . . . . 1set	



**SKIN HOOK - 1 PRONG**  
Code No.: 370.010



**SKIN HOOK - 2 PRONG**  
Code No.: 370.020



**SKIN HOOK - 3 PRONG**  
Code No.: 370.030



**LANE'S BONE LEVER SERRATED**  
Code No.: 372.010



**LANE'S BONE LEVER, PLAIN, SMALL**  
STAINLESS STEEL  
Code No.: 372.020



**LANE'S BONE LEVER, PLAIN, LARGE**  
STAINLESS STEEL  
Code No.: 372.030



**BRISTOW'S RETRACTOR**  
STAINLESS STEEL  
Code No.: 373.000

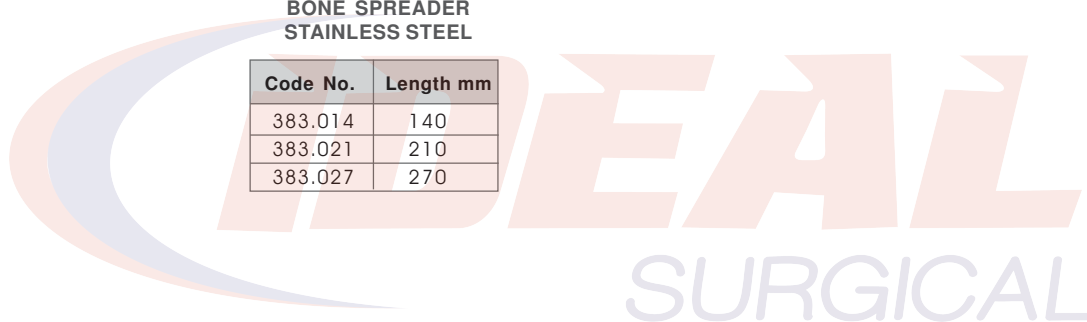


**LAGENBACK RETRACTOR**  
STAINLESS STEEL

Code No.	Size
374.010	Small
374.015	Medium
374.020	Large

**BONE SPREADER**  
STAINLESS STEEL

Code No.	Length mm
383.014	140
383.021	210
383.027	270



**HOHMANN RETRACTOR**  
240MM



**HOHMANN RETRACTOR WIDE TIP**  
240MM



**HOHMANN RETRACTOR**  
160MM

Code No.	Description
379.010	Hohmann Retractor 6mm Wide, Short Narrow Point, Length 160mm
379.015	Hohmann Retractor 8mm Wide, Short Narrow Point, Length 160mm
379.020	Hohmann Retractor 15mm Wide, Length 160mm
379.025	Hohmann Retractor 8mm Wide, Short Narrow Tip, Length 240mm
379.030	Hohmann Retractor 18mm Wide, Short Narrow Tip, Length 240mm
379.035	Hohmann Retractor 18mm Wide, Long Narrow Tip, Length 240mm
379.040	Hohmann Retractor 22mm Wide, with Wide Tip, Length 240mm
379.045	Hohmann Retractor 24mm Wide, with Long wide Tip, Length 240mm
379.050	Hohmann Retractor 43mm Wide, Narrow Tip, Length 240mm
379.055	Hohmann Retractor 70mm Wide, Narrow Tip, Length 240mm



**VOLKMAN'S RETRACTOR**

Code No.	No. of Prong
375.010	2
375.020	3
375.030	4
375.040	5



**RIGHT ANGLE RETRACTOR**  
Code No.: 376.000



**PERIOSTEAL ELEVATOR - STRAIGHT  
STAINLESS STEEL**

Code No.	Length mm
381.106	6
381.108	8
381.110	10
381.112	12
381.114	14
381.116	16



**PERIOSTEAL ELEVATOR - CURVED  
STAINLESS STEEL**

Code No.	Length mm
382.106	6
382.108	8
382.110	10
382.112	12
382.114	14
382.116	16



**PERIOSTEAL ELEVATORS- STRAIGHT  
WITH FIBRE HANDLE**

Code No.	Length mm
381.006	6
381.008	8
381.010	10
381.012	12
381.014	14
381.016	16



**PERIOSTEAL ELEVATORS - CURVED  
WITH FIBRE HANDLE**

Code No.	Length mm
382.006	6
382.008	8
382.010	10
382.012	12
382.014	14
382.016	16



**SELF RETAINING RETRACTOR**

Code No.	Size
380.010	Small
380.020	Medium
380.030	Large
380.040	Extra Large



**DOUBLE HOOK RETRACTOR**  
Code No.: 377.000



**SKIN RETRACTOR**  
Code No.: 377.050



**PLASTER SAW - HEAVY HANDLE**  
Code No.: 388.005



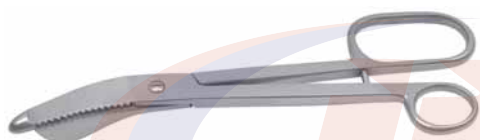
**PLASTER SAW - ENGEL**  
Code No.: 388.010



**PLASTER SAW - BERGMAN**  
Code No.: 388.015



**PLASTER SPREADER**  
Code No.: 388.020



**PLASTER SHEAR - BOHLER'S**  
Code No.: 388.025



**PLASTER SHEAR - STILLE'S**  
Code No.: 388.030



**PLASTER BENDER**  
Code No.: 388.045



**BANDAGE CUTTING SCISSOR**  
Code No.: 388.040



**ELECTRIC PLASTER CUTTING SAW**

Code No.	Description
399.005	Electric Plaster Cutting Saw with Two Blades
399.006	Spare Blade - Small
399.007	Spare Blade - Large

Code No.	Description
388.050	Plaster Opener - Daw's
388.035	Plaster Shear - Gay's

**INSTRUMENTS FOR KNEE SURGERY, S.S.**

Code No.	Description
393.005	Blount Knee Retractor
393.010	Martin's Cartilage Clamp
393.015	Maniscus Forceps
393.020	Smilie's Knee Joint Retractor (Set of Six)
393.025	Smilie's Maniscus Knives (Set of Three)
393.030	Charnley's Compression Clamp
393.040	Mullar Compression Clamp

**INSTRUMENTS FOR SKULL SURGERY, S.S.**

Code No.	Description
394.005	Gigli Saw Wire - Ordinary
394.010	Gigli Saw Wire - Fine (Imported)
394.015	Gigli Saw Handle (In Pair)
394.020	Gigli Saw Introducer
394.025	Crutch Field Tong with 2 Burrs-Small
394.030	Crutch Field Tong with Two Burrs - Medium
394.035	Crutch Field Tong with Two Burrs-Large
394.040	Spare Burrs for Crutch Field Tong
394.045	Gardener - Wells Traction Tongs



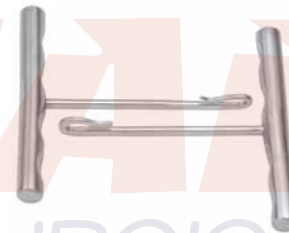
**SMILIE'S KNEE JOINT RETRACTOR (SET OF SIX)**  
Code No.: 393.020



**SMILIE'S MANISCUS KNIVES (SET OF THREE)**  
Code No.: 393.025



**MULLAR COMPRESSION CLAMP**  
Code No.: 393.040



**GIGLI SAW HANDLE (IN PAIR)**  
Code No.: 394.015



**CHARNLEY'S COMPRESSION CLAMP**  
Code No.: 393.030



**CRUTCH FIELD TONG WITH TWO BURRS - MEDIUM**  
Code No.: 394.030



**GIGLI SAW WIRE - ORDINARY**  
Code No.: 394.005



**GIGLI SAW WIRE - FINE**  
Code No.: 394.010



DISTRACTOR

Code No.	Description
396.015	Distractor for Femur - Large
396.016	Distractor for Tibia & Femur - Extra Large
396.020	Spinal Distractor

SKIN GRAFTING KNIFE

Code No.	Description
395.005	Skin Grafting Knife, Small
395.010	Skin Grafting Knife, Large
395.015	Skin Grafting Knife, Large - Left Handed
395.020	Skin Grafting Knife, Excel
395.022	Skin Grafting Blade (Suitable for 395.010, 395.015 & 395.020)



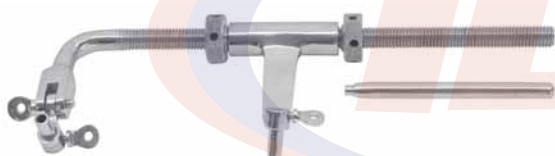
**SKIN GRAFTING KNIFE, SMALL**  
(To be used with Ordinary Saving Blade)  
Code No.: 395.005



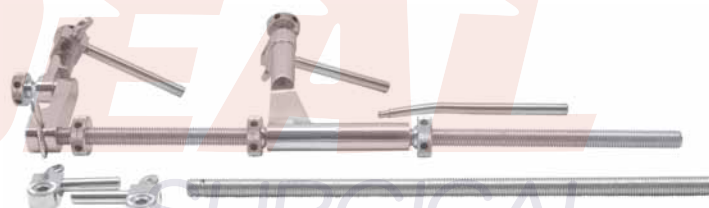
**SKIN GRAFTING KNIFE, LARGE**  
Code No.: 395.010



**SKIN GRAFTING KNIFE, EXCEL**  
Code No.: 395.020



**DISTRACTOR FOR TIBIA & FEMUR - LARGE**  
Code No.: 396.015



**DISTRACTOR FOR TIBIA & FEMUR - EXTRA LARGE**  
Code No.: 396.016

ESMARCH RUBBER BANDAGE

Code No.	Description
397.005	Esmarch Rubber Bandage - 75mm
397.010	Esmarch Rubber Bandage - 100mm
397.015	Esmarch Rubber Bandage- 150mm



**PAEDIATRIC TIBIAL & FEMUR  
REDUCTION DEVICE (F-TOOL SMALL)**  
Code No.: 398.042



**TIBIAL & FEMUR REDUCTION DEVICE  
(F-TOOL LARGE)**  
Code No.: 398.053

**PNEUMATIC TOURNIQUET**

Code No.	Description
398.000	Pneumatic Tourniquet, Manual, alongwith Handpump & 3 Cuffs
398.060	Pneumatic Tourniquet Set, Electronic Digital Display.
398.063	Pneumatic Tourniquet Set, Electronic Digital Display with 3 Hrs. Batterybackup.
398.066	Pneumatic Tourniquet Set (Dual), Electronic Digital Display with 3 Hrs. Batterybackup.
398.070	Rubber Cuffs, Washable and Easy Fitting, Set of 5 Pcs. - Pediatric, Small, Medium, Large & Extra Large.
398.078	Silicone Cuffs, Washable, Easy Fitting & Autoclavable Set of 5 Pcs. - Pediatric, Small, Medium, Large & Extra Large.



**PNEUMATIC TOURNIQUET ALONGWITH HANDPUMP & 3 CUFFS**  
Code No.: 398.000



**SILICONE CUFFS, SET OF 5 PCS.**  
Code No.: 398.078



**RUBBER CUFFS, SET OF 5 PCS.**  
Code No.: 398.070



**PNEUMATIC TOURNIQUET SET - ELECTRONIC DIGITAL DISPLAY**  
Code No.: 398.060



**PNEUMATIC TOURNIQUET SET - ELECTRONIC DIGITAL DISPLAY WITH 3 HRS. BATTERYBACKUP**  
Code No.: 398.063



**PNEUMATIC TOURNIQUET SET (DUAL) - ELECTRONIC DIGITAL DISPLAY WITH 3 HRS. BATTERYBACKUP**  
Code No.: 398.066



**STERILIZATION TUBES**

Code No.	Size mm
401.002	150
401.004	225
401.006	300
401.008	400
401.010	500

Profile:  
Stainless Steel Tubes for Sterilization of  
K. Wires, Nails, Pins & Drill Bits

Code No.	Description
320.010	Universal Bone Drill with S.S.Gears
320.020	Micro Hand Drill with S.S. Gears
320.030	Universal Open Hand Drill with S.S. Gears
320.040	Micro Open Hand Drill- with S.S. Gears
399.010	Electric Bone Drill with Foot Control
311.033	Mini Hand Drill



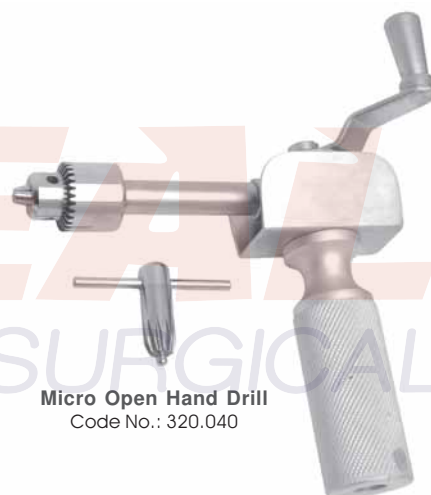
**Universal Bone Drill with S.S.Gears**  
Code No.: 320.010



**Universal Open Hand Drill with S.S. Gears**  
Code No.: 320.030



**Micro Hand Drill with S.S. Gears**  
Code No.: 320.020



**Micro Open Hand Drill**  
Code No.: 320.040



**Electric Bone Drill with Foot Control**  
Code No.: 399.010



**Mini Hand Drill**  
Code No.: 311.033

**DRILL & SAW SYSTEM**  
(Electrically Operated - 220V, 50 Hz)

Code No.	Description
ODS01	Driving Unit includes Motor Stand, Foot Control, Flexible Shaft, Tool Kit, Oil Bottle & Special Container.  <b>Specifications:</b> - NET Driving Unit is having a Motor 220V / 5 amp AC with Mobile Stand made up of Stainless Steel tubes with castors. - NET Driving Unit includes Motor, Stand, Foot Control, Flexible Shaft. - Requires to run all NET power tools. - NET Flexible Shaft is Autoclavable. It can withstand to superheated steam temperatures.
ODS03	Cannulated Drilling Handpiece (1200 RPM)
ODS07	Saggital Saw Handpiece ( With Set of 5 Blades)
ODS11	Reaming Handpiece Cannulated, Quick Coupling
ODS52	<b>Optional Instruments:</b> (To be Ordered Separately) Transverse Saw (with Set of 5 Blades)



Code No.: ODS03



Code No.: ODS07



Code No.: ODS11



Code No.: ODS52



Code No.: ODS01



OPTIONAL INSTRUMENTS FOR DRILL & SAW SYSTEM  
 (To be Ordered Separately)

Code No.	Description
507.038	Flexible Reaming Shaft with Fixed Reamer, Dia. 8mm
507.03	Flexible Reamer Shaft only (For Reamer Head upto 13mm.).
507.23	Flexible Reamer Shaft only (For Reamer Head from 13.5mm to 15mm.).
510.9	Medullary Reamer, Size 9mm.
510.95	Medullary Reamer, Size 9.5mm.
510.10	Medullary Reamer, Size 10mm.
510.105	Medullary Reamer, Size 10.5mm.
510.11	Medullary Reamer, Size 11mm.
510.115	Medullary Reamer, Size 11.5mm.
510.12	Medullary Reamer, Size 12mm.
510.125	Medullary Reamer, Size 12.5mm.
510.13	Medullary Reamer, Size 13mm.
510.135	Medullary Reamer, Size 13.5mm.
510.14	Medullary Reamer, Size 14mm.
510.145	Medullary Reamer, Size 14.5mm.
510.15	Medullary Reamer, Size 15mm.
ODS41	Synthes Adpater, Stainless Steel.
ODS43	Trinkle Fit Adapter, Stainless Steel
ODS45	Hudson Adapter, Stainless Steel
ODS47	Drill Chuck Adapter, Stainless Steel
ODS49	Flexible Shaft for Driving Unit (Extra)
ODS51	Spare Set of Blades
ODS60	Spare Oil Bottle, 30 ml.



**Flexible Reaming Shaft with Fixed Reamer, Dia. 8.0mm.**  
 Code No.: 507.038



**Medullary Reamer**  
 (Size: 9 to 15mm with 0.5mm difference)  
 Code No.: 510.9 to 510.15



**Flexible Reaming Shaft**  
 Code No.: 507.03 (for Reamer Head 9 to 13mm)  
 Code No.: 507.23 (for Reamer Head 13.5 to 15mm)



Code No.: ODS41



Code No.: ODS43



Code No.: ODS45



Code No.: ODS47



Code No.: ODS49



Code No.: ODS51



Code No.: ODS60

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# WHAT our competitors don't want you to know...

- ▷ That we have more than **53 years of operational experience** and have attained No.1 position.
- ▷ That we are one of the **most reputed manufacturers** and exporters.
- ▷ That we are exporting to more than **80 countries** worldwide.
- ▷ We pride ourselves on Superior Quality and Competitive Pricing, and we operate under a **quality system** that complies with ISO 9001:2000, ISO 13485:2003, CE and WHO:GMP.
- ▷ That the **factory** is probably the **biggest** (skilled production staff of about 250 people) and most well equipped in India.
- ▷ Many reputed companies in Europe and USA regularly buy from us. That proves our quality.
- ▷ That we travel to more than 15 countries every year and **reach out to our clients** and buyers.
- ▷ Unlike many of our competitors, we don't compromise on quality in exchange for a cheaper price !! We believe human **life is invaluable** !!
- ▷ We understand your requirements, we recognize your needs, we know what's important... that's what we do.

...Now **YOU KNOW**

