



WASTON 华森  
M E D I C A L

PROFESSIONAL  
RELIABLE

# ANKLE PLATE

Health is Important

# Introduction

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Changzhou Waston Medical Appliance Co., Ltd, which is one of China's most dynamic and innovative surgical medical device manufacturers and service providers, was founded in 2002. It consists of five divisions, including the Orthopedics Department, Surgical Stapler Department, Thoracic Surgery Department, Surgical Instruments Department and New Product Development Department. Our company has three R&D and production bases, they are National Changzhou Hi-tech Industry Zone of Jiangsu, National Wujin Hi-tech Industry Zone of Jiangsu, and Science and Technology Center of Changzhou separately.

Waston's Orthopedics Department locates at Wujin National Hi-Tech Industry zone of Jiangsu. Our company covers an area of 100,000 m<sup>2</sup>, with standard factory 50,000 m<sup>2</sup>, purification plant 3,000 m<sup>2</sup> and R & D center 3,000m<sup>2</sup>. The company has workers with more than senior titles who are responsible for the R&D, manufacture and management accounting for more than 40% of the total number of employees. We have a full set of international advanced equipment such as 5-axis machining centers, slitting machine tools, CNC machine tools and 3D printers. Relying on the Beijing Union Medical College Hospital, Beijing Military General Hospital, Southern Medical University, South China University of Technology, Suzhou University, Changzhou Science & Education Town and other institutions of technical support and close cooperation, the The Watson company has the domestic first-class R & D and processing capacity. In strict implementation of ISO and CMD standard operating, all the products have passed European Union CE certificates of TUV and parts of them have been proved by FDA. With reliable quality, attentive service, WASTON is widely recognized within the industry in the domestic market.

Corporate philosophy: Create by heart, Share of development

Corporate mission and objectives: with rigorous scientific attitude, the concept of continuous innovation and a deep understanding of clinical medicine to research and develop high-quality medical products which fit the clinical and is easy-to-use. It may be Waston's greatest happiness to be domestic and foreign customers trusted national brands.

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# Catalogue

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2.Screw.....15

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## Distal First Metatarsal Osteotomy Plate

1. After-osteotomy anatomic design is good for reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early functional exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.

Product NO.	Specifications	W	Material
108.00.006	Left	17	Ti
108.00.206	Left	20	
108.00.406	Left	23	
108.00.106	Right	17	
108.00.306	Right	20	
108.00.506	Right	23	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

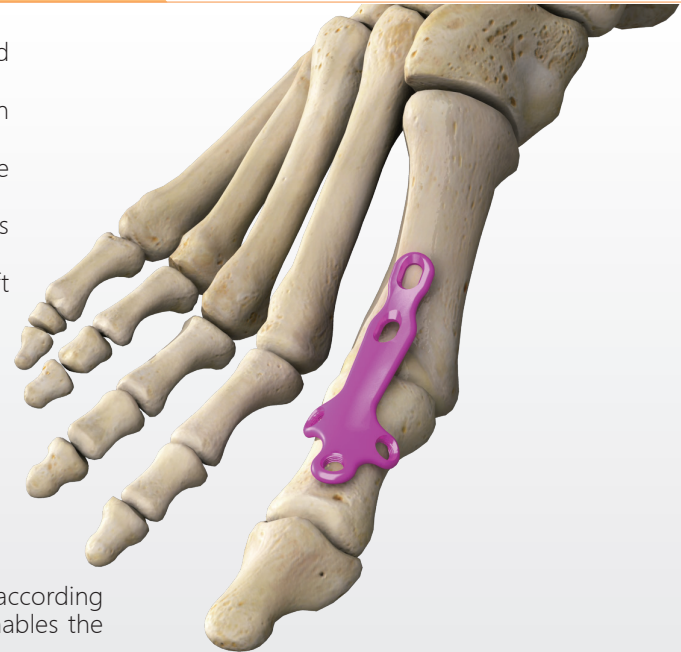


## Metatarsophalangeal Joint Fusion Plate I

1. Anatomic design, 9° dorsal flexure, and 11° extorsion, to avoid effect on the plate strength while it is bended during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Holes of Proximal Shaft Part		Material
		Locking	Compression	
108.01.005	Left	1	1	Ti
108.01.205	Left	0	2	
108.01.006	Left	1	2	
108.01.105	Right	1	1	
108.01.305	Right	0	2	
108.01.106	Right	1	2	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Metatarsophalangeal Joint Fusion Plate II

1. Anatomic design, 9 ° dorsal Bexure, and 11 ° extorsion, to avoid effect on the plate strength while it is bended during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Material
108.02.004	Left	Ti
108.02.104	Right	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Hollow Metatarsal Osteotomy Plate

1. Anatomic design is good for after-osteotomy reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Hole for bone grafting is reserved on the plate, and this design facilitates the bone grafting surgery after osteotomy.
4. Design with high-strength is beneficial for the early functional exercise.
5. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.

Product NO.	Specifications	Material
108.04.005	Left	Ti
108.04.105	Right	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

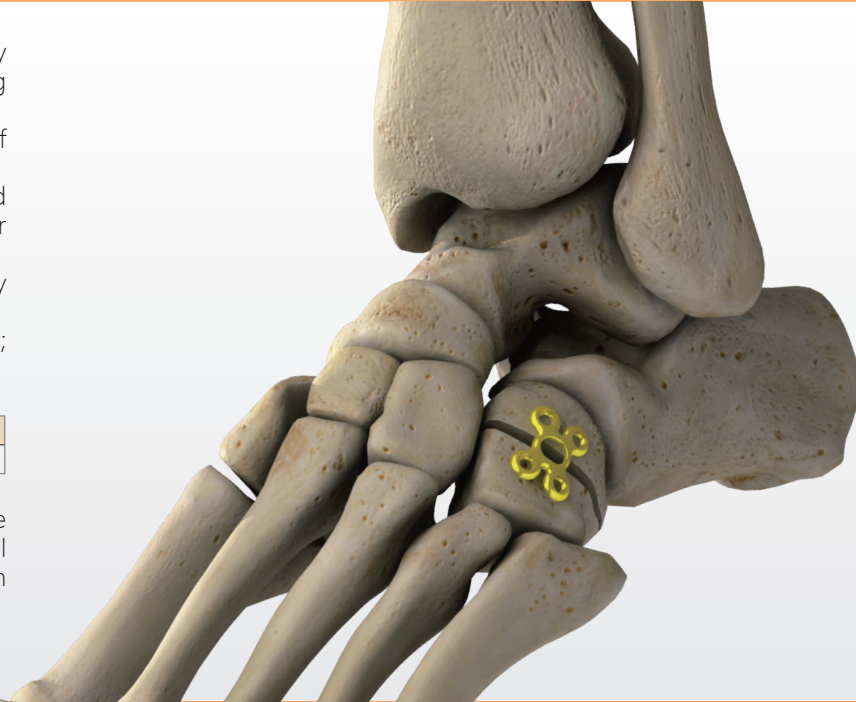


## Hollow Cuboid Osteotomy Plate

1. Cuboid anatomic design is good for after-osteotomy reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Hole for bone grafting is reserved on the plate, and this design facilitates the bone grafting surgery after osteotomy.
4. Design with high-strength is beneficial for the early functional exercise.
5. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.8mm.

Product NO.	Specifications	Material
108.05.005	Standard	Ti

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

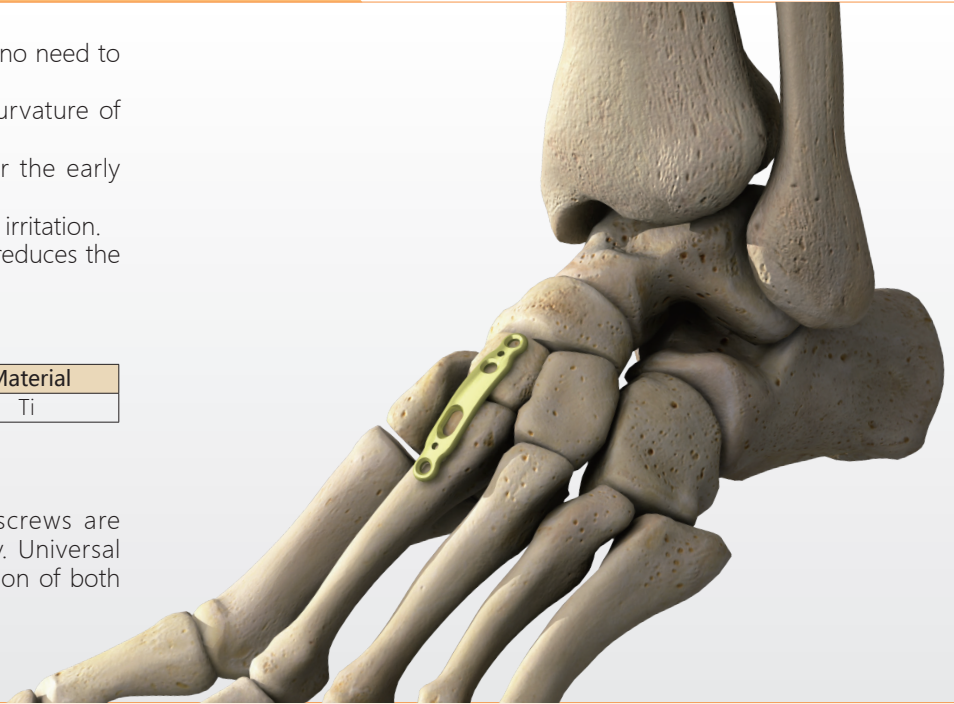


## Metatarsal Cuneiform Joint Dorsal Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Material
108.06.004	Standard	Ti

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.



## The First Metatarsal Cuneiform Joint Medial Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Holes	Material
108.07.005	Small	5	Ti
108.07.006	Large	6	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

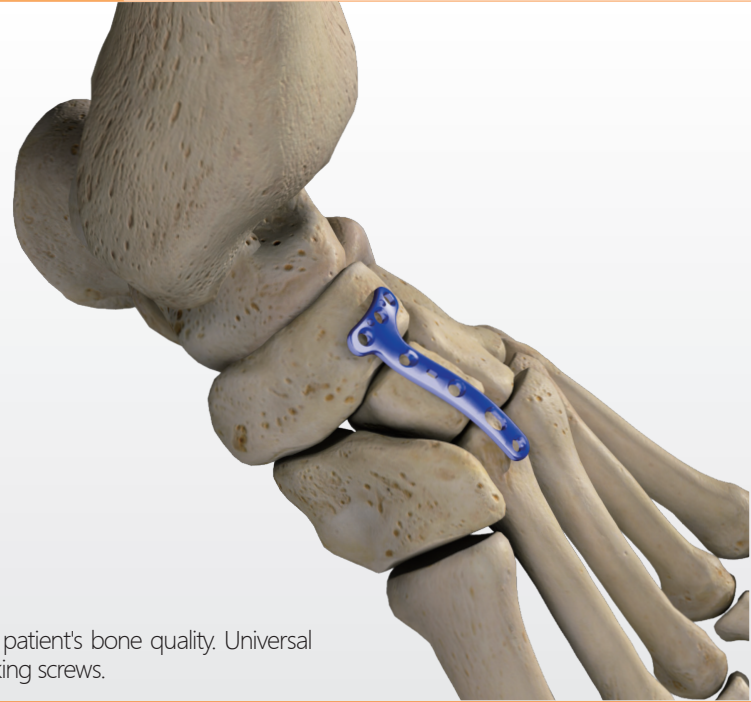


## The Second Metatarsal Cuneiform Joint Dorsal Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Holes		Material
		Head Part	Shaft Part	
108.08.006	Left	3	4	Ti
108.08.007		3	5	
108.08.207		4	4	
108.08.008		4	5	
108.08.106	Right	3	4	
108.08.107		3	5	
108.08.307		4	4	
108.08.108		4	5	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Lisfrance Fusion Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery to avoid effect on the plate strength when it's bended.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.
6. Multi-articular surface fusion system facilitates the anatomic rebuilding arches of the foot.

Product NO.	Specifications	Material
108.09.011	Left	Ti
108.09.111	Right	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

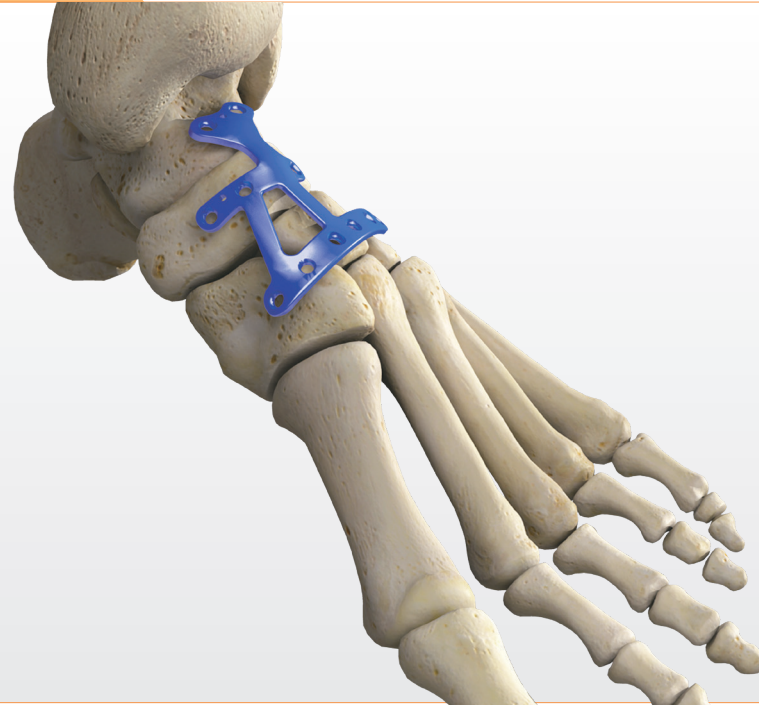


## Muller Weiss Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery to avoid effect on the plate strength when it's bended.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm. .
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.
6. Multi articular surface fusion system facilitates the anatomic rebuilding arches of the foot.

Product NO.	Specifications	Material
108.10.011	Left	Ti
108.10.111	Right	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Talonavicular Joint Fusion Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery to avoid effect on the plate strength when it's bended.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early passive exercise.
4. Smart design of the edge reduces soft tissue irritation.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Material
108.11.005	Left	Ti
108.11.105	Right	

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

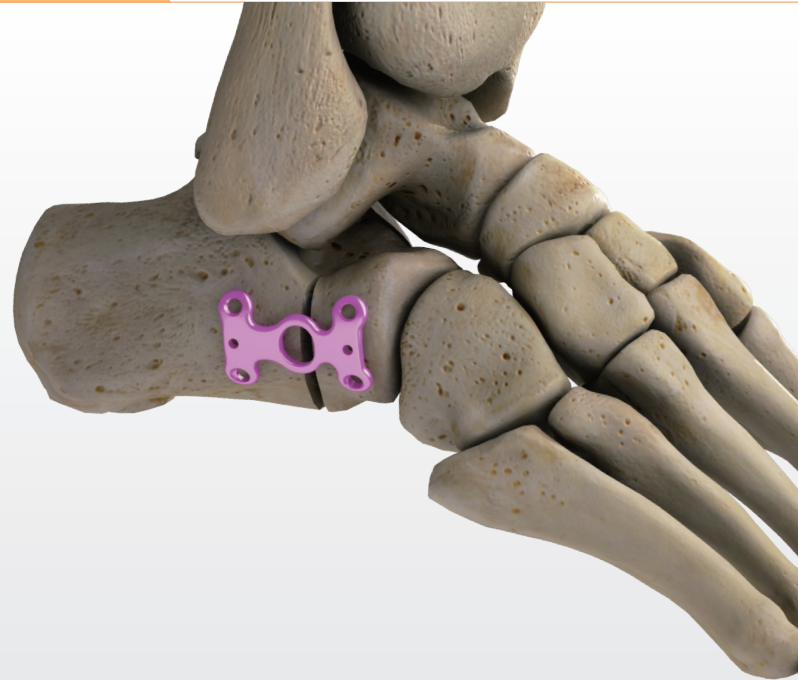


## Hollow Calcaneus Osteotomy Plate

1. Calcaneus anatomic design is good for after-osteotomy reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Hole for bone grafting is reserved on the plate, and this design facilitates the bone grafting surgery after osteotomy.
4. Design with high-strength is beneficial for the early functional exercise.
5. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.8mm.

Product NO.	Specifications	Material
108.12.005	Standard	Ti

Description of screw: 2.7mm and 3.0mm screws are available according to patient's bone quality. Universal design of the screw hole enables the application of both locking and non-locking screws.

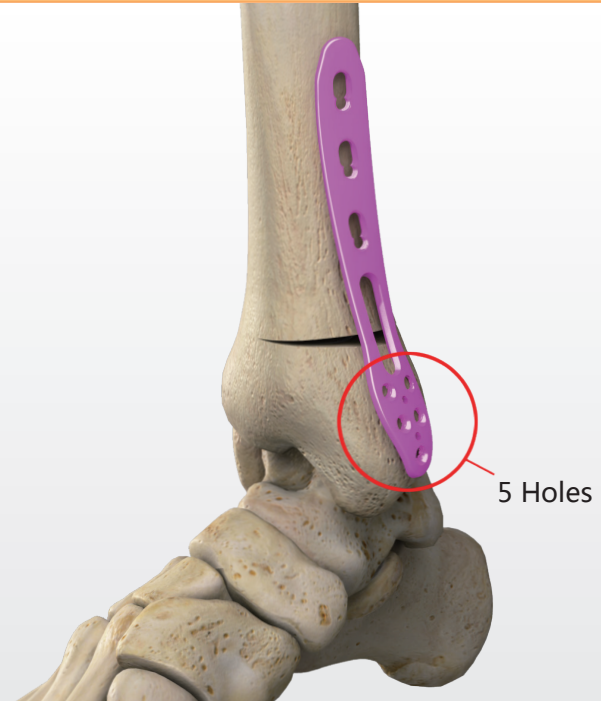


## Hollow Tibial Osteotomy Plate

1. Medial tibial anatomic design is good for after-osteotomy reduction, and no need to pre-bend the plate during surgery.
2. Plate and screw are designed based on curvature of human anatomy.
3. Hole for bone grafting is reserved on the plate, and this design facilitates the bone grafting surgery after osteotomy.
4. Design with high-strength is beneficial for the early functional exercise.
5. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 1.5mm.

Product NO.	Specifications	Holes	Material
108.13.009	Left	9	Ti
108.13.010	Left	10	
108.13.109	Right	9	
108.13.110	Right	10	

Description of screw: 3.5mm screw is available. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Anterior Ankle Fusion Plate

1. Anatomic design is good for reduction, and no need to pre-bend the plate during surgery to avoid effect on the plate strength when it's bended.
2. Plate and screw are designed based on curvature of human anatomy.
3. Design with high-strength is beneficial for the early exercise.
4. Smart design of the edge reduces soft tissue irritation; thickness of the plate is 2.0mm.
5. Screw cap is lower than the plate, and that reduces the soft tissue irritation.

Product NO.	Specifications	Material
108.14.004	Left	Ti
108.14.104	Right	

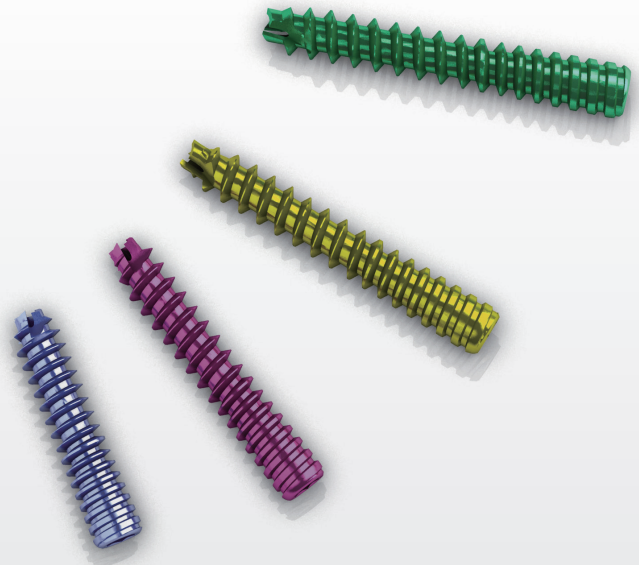
Description of screw: 3.5mm screw is available. Universal design of the screw hole enables the application of both locking and non-locking screws.



## Full Thread Hollow Screw

1. Six Specifications
2. Different colors for different specifications
3. Instruments are simple to use
4. Varying pitch thread; thread width
5. Self-tapping and self-drilling, countersink design
6. Could be applied to many orthopedic cases

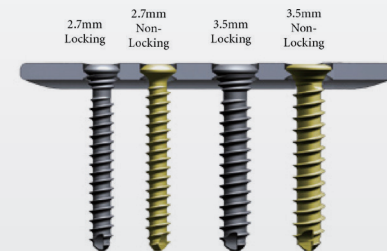
Product NO.	Dia	Length	Increments(mm)
10538-(008-018)	HB2.5	8/9/10/11/12/13/14/16/18	
10539-(016-030)	HB3.5	16/18~28/30	2
10540-(016-050)	HB4.0	16~50	2
10541-(020-080)	HB5.0	20/25~75/80	5
10547-(060-120)	HB5.5	60~120	5
10541-(030-100)	HB6.5	30~100	5



## Ankle Plate Screw System

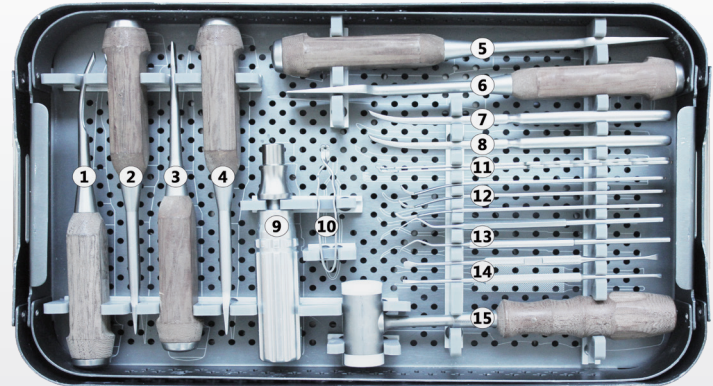
1. Star head increases the pullout strength of the screw.
2. 2.7mm、 3.0mm and 3.5mm screw are available.
3. Both locking and non-locking screws could be used.

Product NO.	Specifications		Material	
	Length (In 2mm Increments)	Dia		
108.50.010 ~ 108..50.034	10-34mm	2.7	Ti	
108.51.010 ~ 108..51.034	10-34mm	2.7		
108.52.012 ~ 108..52.046、 050	12-42mm ; 46mm,50mm	3.0		
11.108.53.012 ~ 11.108..53.046、 050	12-42mm ; 46mm,50mm	3.0		
11.108.54.020 ~ 11.108..54.050	20-50mm	3.5		
11.108.55.020 ~ 11.108..55.050	20-50mm	3.5		



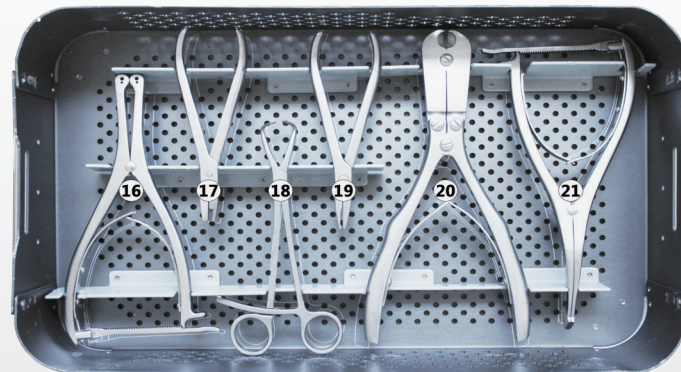
## Basic Instrument Set 15020-999

Instrument Set			
No.	Product NO.	Product Name	Qty
1	15020-007	Convex Blade	1
2	15020-006	Bone Chisel (6mm)	1
3	15020-005	Bone Chisel (10mm)	1
4	15020-004	Bone Chisel (16mm)	1
5	15020-003	Bone Chisel (20mm)	1
6	15020-020	Bone Chisel (25mm)	1
7	15001-208	Periosteal Elevator (Flat)	1
8	15001-008	Periosteal Elevator (Curved)	1
9	15057-104	Quick Coupling Torque Spanner(0.8N)	1
10	15007-010	Mini Screw Holder	2
11	15007-011	Skin Hook	1
12	15007-007/107/207	Retractor (Large/Medium/Small )	each 1
13	15007-012	Reduction Forceps with Point	2
14	15007-005/105	Double Periosteal Elevator (3mm/5mm)	each 1
15	15046-008	Hammer	1



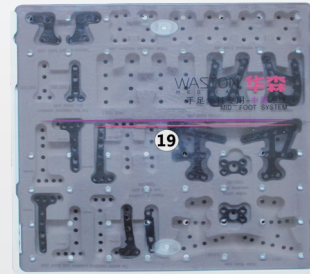
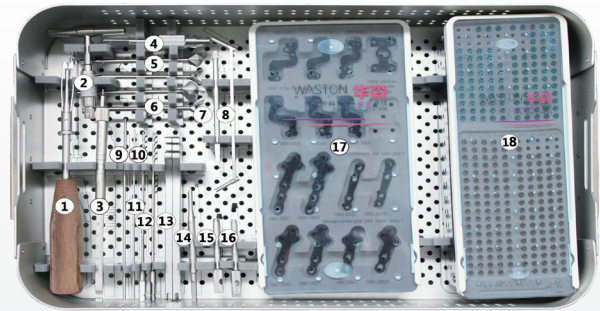
## Basic Instrument Set 15020-999

Instrument Set			
No.	Product NO.	Product Name	Qty
16	15020-002	Pin Retractor	1
17	15008-004	Plate Bending Clamp with 3 Points	1
18	15008-015	Reduction Clamp with Points	1
19	15007-003	Plate Bending Clamp	1
20	15007-018	Plate Cutting Clamp	1
21	15020-001	Calcaneal Distraction Forceps	1
22	15020-902	Instrument Case	1



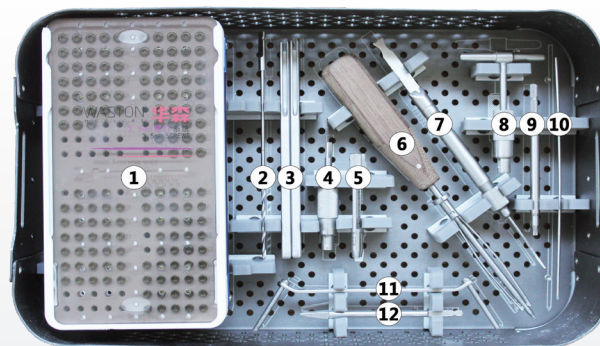
## Foot Instrument Set 15020-997

Instrument Set			
No.	Product NO.	Product Name	Qty
1	15057-107 /15020-030	T8 Torx Screwdriver with Screw Holder	1
2	15053-014	T-shaped Quick Coupling Handle	1
3	15001-009	Depth Gauge	1
4	15053-114	Quick Coupling Connector	1
5	15020-009/011	Convex File(L/S)	each 1
6	15020-008/010	Concave File(L/S)	each 1
7	15020-013	Osteotomy Distracter (Small)	1
8	15020-018	Fore-foot & Mid-foot Double Head Drill Guide(1.8/2.0)	1
9	15014-208	Kirschner Wire( $\Phi$ 1.5X150)	2
10	15020-028	Kirschner Wire( $\Phi$ 2.0X160)	2
11	15090-521	Quick Coupling AO Drill Bit( $\Phi$ 1.8)	2
12	15090-501	Quick Coupling AO Drill Bit( $\Phi$ 2.0)	2
13	15020-017	Plate Bending Wrench	2
14	15057-108	T8 QuickTorx Coupling Screwdriver (AO)	1
15	15020-014	1.8Threaded Drill Guide	2
16	15020-015	2.0 Threaded Drill Guide	2
17	15020-022	Fore-foot Implant Case	1
18	15020-024	2.7/3.0mm Screw Case	1
19	15020-023	Mid-foot Implant Case	1
20	15020-997	Instrument Case	1



## Ankle Instrument Set 15020-998

Instrument Set			
No.	Product NO.	Product Name	Qty
1	15020-025	3.5mm Screw Case	1
2	15090-522	Quick Coupling AO Drill Bit( $\Phi$ 2.3)	2
3	15020-017	Plate Bending Wrench	2
4	15053-114	Quick Coupling Connector	1
5	15020-016	2.3 Threaded Drill Guide	2
6	15057-108 /15020-031	T15 Torx Screwdriver with Screw Holder	1
7	15001-009	Depth Gauge	1
8	15053-014	T-shaped Quick Coupling Handle	1
9	15057-008	T15 QuickTorx Coupling Screwdriver (AO)	1
10	15020-028	Kirschner Wire( $\Phi$ 2.0*160)	2
11	15020-118	Hindfoot Double Head Drill Guide(2.3*2.3)	1
12	15020-012	Osteotomy Distracter (Large)	1
13	15020-026	Hindfoot Implant Case	1
14	15020-901	Instrument Case	1



# More Professional More Effective

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