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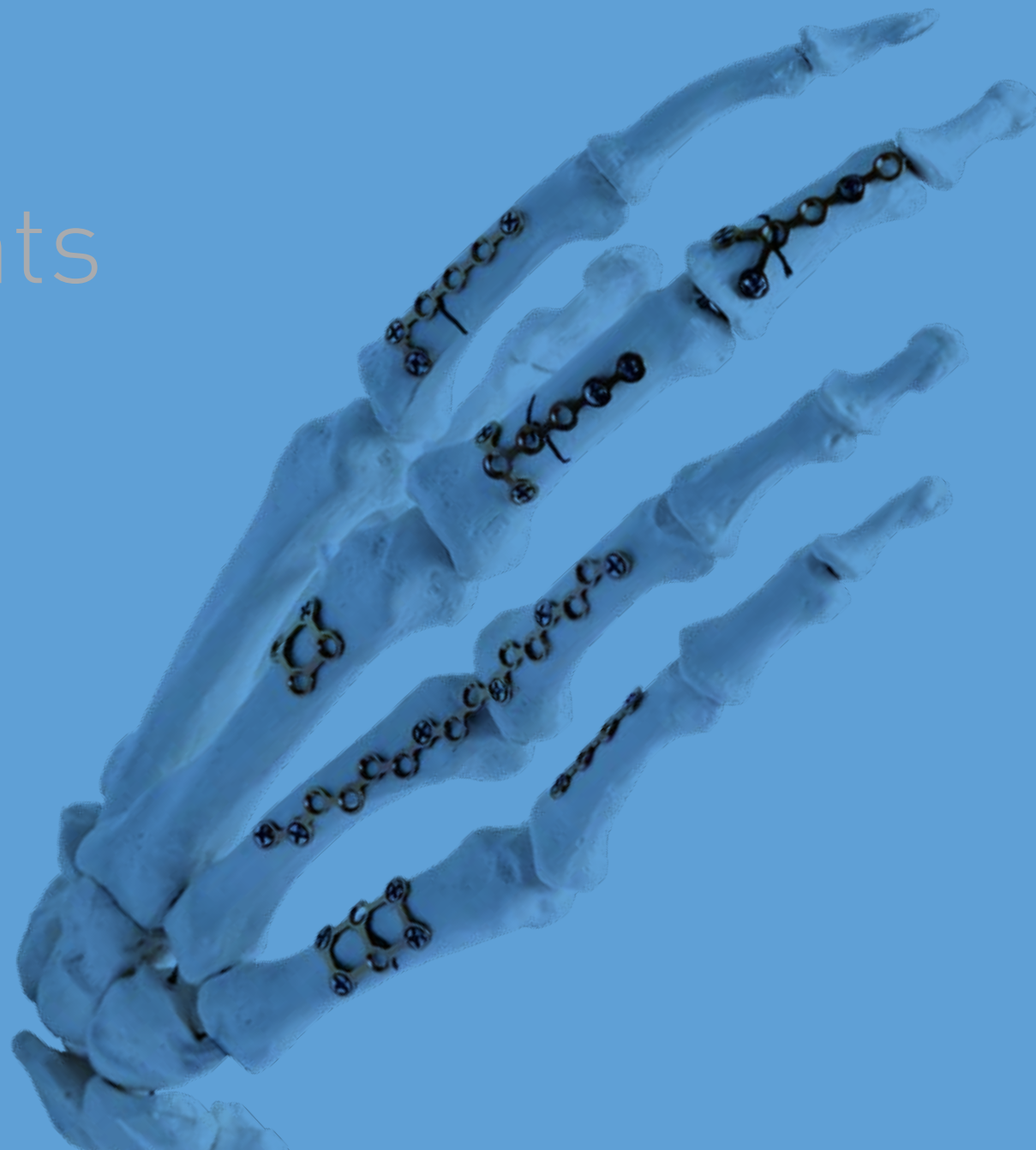
ARIX HAND



JEIL MEDICAL
CORPORATION

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_10	Bone Plates
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ARIX HAND

The **ARIX HAND System** offers the operating surgeon unique features and user friendly capabilities

- Time savings through variety of plates, screws & instruments
- Safety & convenience due to stable & wireless fixation
- Easy selection of plates by colors

1. Material

The most ideal implant material "Titanium" & "Titanium Alloy"

- Excellent biocompatibility
- Remarkable corrosion-resistance
- Nontoxic in the biological environment
- High strength but easily formed to match bone contours
- Static free X-ray, CT and MRI

2. Features

Two sections by H1, H2

- The ARIX HAND System provides H1 and H2 module sets to meet the right and accurate surgical solutions.
- Screw taperlock fit with screwdrivers
- Easy pick-up & placement with the special design of the head

3. Range of the ARIX HAND System

- For fractures of the distal, middle and proximal phalanges and of the metacarpals
- For arthrodeses of the phalanges and metacarpals

4. Specifications of the ARIX HAND System

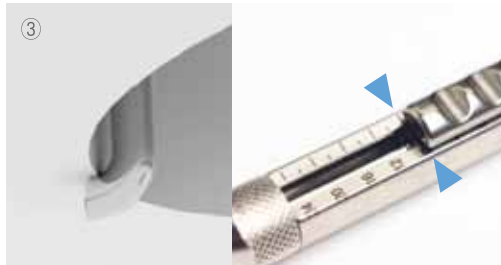
ARIX HAND System	Plate Thickness(mm)	Color	Screw	
			Outer Diameter(Ø)	Length(mm)
H1 System	0.6	Silver	1.2	4.0~20.0
			1.5	4.0~24.0
			1.8	6.0/10.0
H2 System	1.0	Gold	2.0	4.0~24.0
		Silver	2.3	5.0~34.0
	1.3			2.5

Features

PIN(Hook) Plate

This plate is intended for fracture fixation of condyle part of distal phalanges.

- ① Pick up the hook plate by using plate holder
- ② Fix the plate hook on the condyle part and then drill a hole with eccentric drill guide
- ③ Measure the drilling depth by using depth gauge
- ④ Insert the appropriate screw into the hook plate hole by using screw driver and then fix the screw



Round Bending

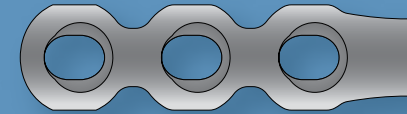
- Every H1/ H2 plates has pre-contoured profile to improve anatomic fit



Compression Plate

This plate and screw will be used when fractured bones are in need of compression

- ① Select an appropriate plate and screw to be used for fractured bones
- ② Drill one side of the fractured bones by using drill guide
- ③ Measure the drilling depth with depth gauge and insert the screw
- ④ Drill the other side of the fractured bones with eccentric drill guide
- ⑤ Compress fractured bones by inserting the screw



Drill guide

Offering two drill guides for the System, one for H1 system and one for H2 system, They are used as a drill guide when drilling the hole.

Each drill guide has centric and eccentric drill guides and the eccentric drill guide is designed for compression plate hole drilling.

How to Use

1. Selecting configuration

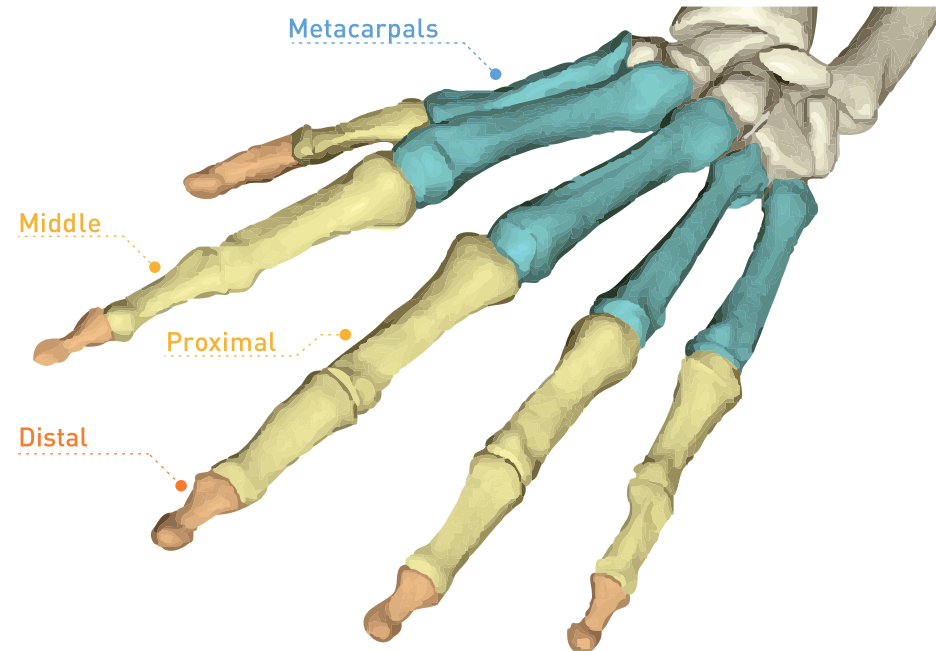
The operating surgeon choose the plate & screw

H1 System

- H1 system for Distal phalanges or Middle phalanges

H2 System

- H2 system for Proximal phalanges or Metacarpals



2. Plate handling and bending

- Every plate in the **ARIX HAND System** has edges that allow the plate to be grasped by the forceps.
- None of the screw holes needs to be covered while the plate is being positioned on the bone or while the pilot holes are drilled.
- H1, H2 plates can be bent and contoured by finger pressure or plate bender.
- All H1, H2 plates can be cut using plate cutter.



Plate Bender
111-050-1



Plate Bender & Cutter
111-050

3. Drilling pilot holes

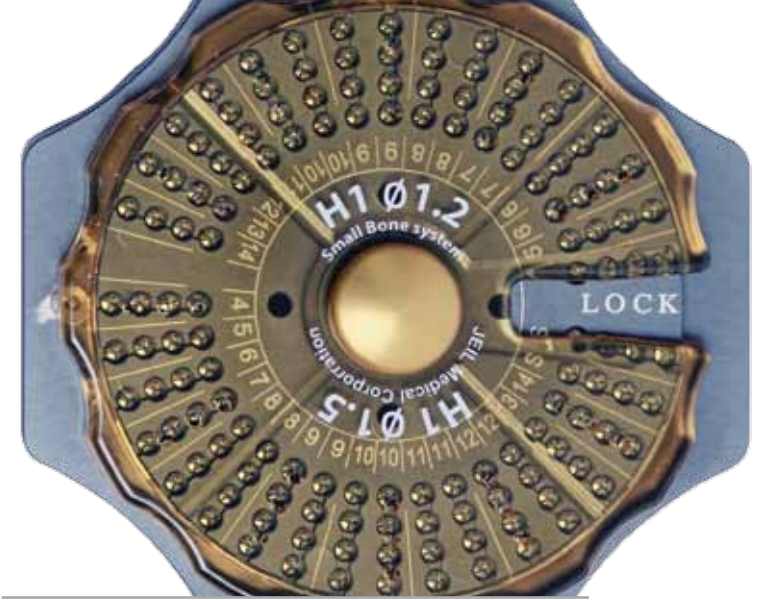
- Drilling a pilot hole reduces the chance of fracturing bone and the level of torque required to drive the screw.
- To reduce the potential for thermal necrosis, all pilot drills should be drilled at the minimum RPM.
- Proper pilot drilling technique requires preventing deflection of drill and creation of an eccentric hole through the bone.

4. Using other instruments

- Use of Screwdriver
 - The screwdriver shafts are interchangeable.
 - Each shaft features a cruciform tip which provides friction fit into the screw head.
- Use of Depth Gauge
 - This instrument is used to measure pilot hole depth of the bone.
 - There are H1 & H2 types.

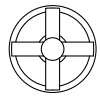
Bone Screws

The ARIX HAND System has two screw organizers for H1/H2 screws. They are made of aluminum material providing durability and stability. Every screw organizer has rotational lid that reduces potential screw loss during transportation.

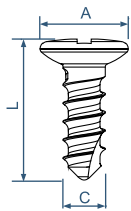


H1 Screw(Ø1.2 , Ø1.5)
112-050-1

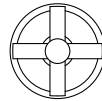
H1 System Bone Screws



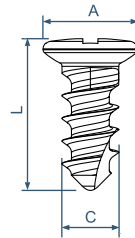
1.2 Cortical Bone Screw



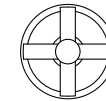
Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
12-HC-004	2.5	1.2	4.0
12-HC-005			5.0
12-HC-006			6.0
12-HC-007			7.0
12-HC-008			8.0
12-HC-009			9.0
12-HC-010			10.0
12-HC-011			11.0
12-HC-012			12.0
12-HC-013			13.0
12-HC-014			14.0
12-HC-016			16.0
12-HC-018			18.0
12-HC-020			20.0



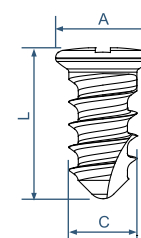
1.5 Cortical Bone Screw



Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
15-HC-004	2.5	1.5	4.0
15-HC-005			5.0
15-HC-006			6.0
15-HC-007			7.0
15-HC-008			8.0
15-HC-009			9.0
15-HC-010			10.0
15-HC-011			11.0
15-HC-012			12.0
15-HC-013			13.0
15-HC-014			14.0
15-HC-015			15.0
15-HC-016			16.0
15-HC-017			17.0
15-HC-018			18.0
15-HC-019			19.0
15-HC-020			20.0
15-HC-021			21.0
15-HC-022			22.0
15-HC-023			23.0
15-HC-024			24.0



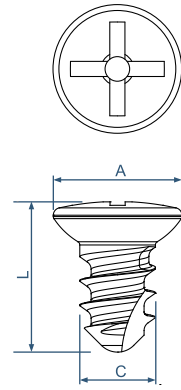
1.8 Cortical Bone Screw



Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
18-HC-006	2.5	1.8 (S)	6.0
18-HC-010			10.0

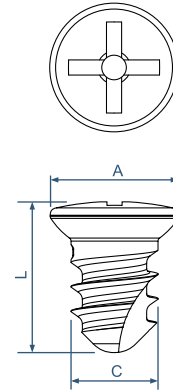
* (S) : Emergency Screw

H2 System Bone Screws



2.0 Cortical Bone Screw

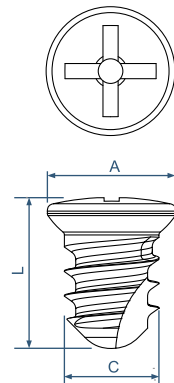
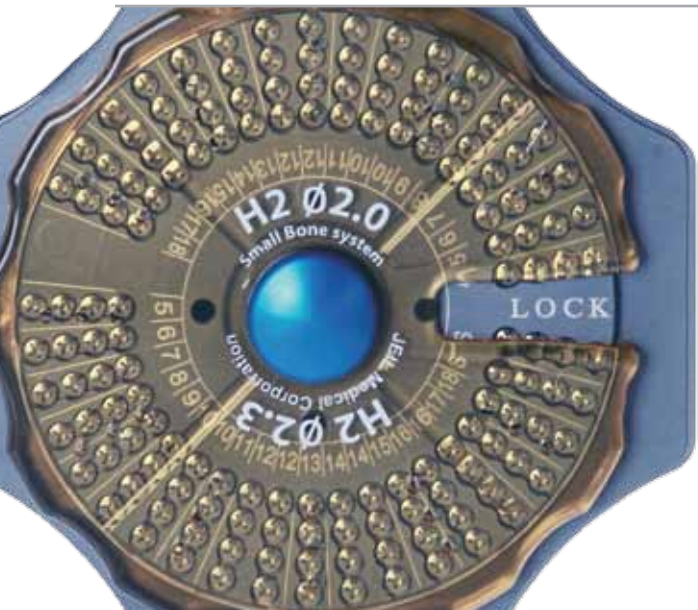
Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
20-HC-004	3.4	2.0	4.0
20-HC-005			5.0
20-HC-006			6.0
20-HC-007			7.0
20-HC-008			8.0
20-HC-009			9.0
20-HC-010			10.0
20-HC-011			11.0
20-HC-012			12.0
20-HC-013			13.0
20-HC-014			14.0
20-HC-015			15.0
20-HC-016			16.0
20-HC-017			17.0
20-HC-018			18.0
20-HC-019			19.0
20-HC-020			20.0
20-HC-021			21.0
20-HC-022			22.0
20-HC-023			23.0
20-HC-024			24.0



2.3 Cortical Bone Screw

Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
23-HC-005	3.4	2.3	5.0
23-HC-006			6.0
23-HC-007			7.0
23-HC-008			8.0
23-HC-009			9.0
23-HC-010			10.0
23-HC-011			11.0
23-HC-012			12.0
23-HC-013			13.0
23-HC-014			14.0
23-HC-015			15.0
23-HC-016			16.0
23-HC-017			17.0
23-HC-018			18.0
23-HC-019			19.0
23-HC-020			20.0
23-HC-021			21.0
23-HC-022			22.0
23-HC-023			23.0
23-HC-024			24.0
23-HC-026			26.0
23-HC-028			28.0
23-HC-030			30.0
23-HC-032			32.0
23-HC-034			34.0

H2 Screw(Ø2.0 , Ø2.3)
112-051-1



2.5 Cortical Bone Screw

Code	Dia.of Head A(Ø)	Outer Dia.of Thread C(Ø)	Length L
25-HC-006	3.4	2.5 (S)	6.0
25-HC-010			10.0

*(S) : Emergency Screw

Bone Plates

The ARIX HAND System has 2 trays for organizers for H1/ H2 plates.

They are made of aluminum material providing durability and stability.

Each tray has its own lid that reduces potential loss of plates during transportation.

Plate indication on organizers enables instant plate verification.



H1 Kit
- H1 Block [112-050]



H2 Kit
- H2 Block [112-051]

H1 Plate

No.	Code	Thickness (mm)	Color
1	H1-ZZ-016	0.6	Silver
2	H1-ST-016		
3	H1-YP-006		
4	H1-YP-006A		
5	H1-LR-005		
6	H1-TP-012		
7	H1-PL-005		
8	H1-SQ-204		
9	H1-QD-106		
10	H1-QD-206-L		
11	H1-QD-306-R		
12	H1-QD-408-L		
13	H1-QD-112		
14	H1-HK-001		
15	H1-ST-006		
16	H1-ST-104		
17	H1-ST-216		
18	H1-LL-005		
19	H1-TP-007		
20	H1-TP-008		
21	H1-TP-010		
22	H1-TP-011		
23	H1-PR-005		
24	H1-SQ-104		
25	H1-SQ-004		
26	H1-QD-006		
27	H1-QD-206-R		
28	H1-QD-306-L		
29	H1-QD-108		
30	H1-QD-408-R		
31	H1-QD-110		

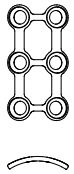
H2 Plate

No.	Code	Thickness (mm)	Color
1	H2-ZZ-016	1.0	Gold
2	H2-ST-016		
3	H2-YP-007		
4	H2-LR-006		
5	H2-TP-012		
6	H2-PL-006		
7	H2-SQ-204		
8	H2-QD-106		
9	H2-QD-306-R		
10	H2-QD-408-L		
11	H2-QD-112		
12	H2-ST-216		
13	H2-ST-006		
14	H2-ST-104		
15	H2-LL-006		
16	H2-TP-006		
17	H2-TP-007		
18	H2-TP-011		
19	H2-PR-006		
20	H2-SQ-104		
21	H2-SQ-304-R		
22	H2-SQ-304-L		
23	H2-QD-006		
24	H2-QD-206-R		
25	H2-QD-206-L		
26	H2-QD-306-L		
27	H2-QD-108		
28	H2-QD-408-R		
29	H2-QD-110		

H2 Plate

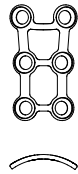
No.	Code	Thickness (mm)	Color
1	H2-ST-208-CP	1.3	Silver
2	H2-LR-010-CP		
3	H2-TP-010-CP		
4	H2-ST-104-CP		
5	H2-ST-105-CP		
6	H2-ST-106-CP		
7	H2-LL-006-CP		
8	H2-LR-006-CP		
9	H2-TP-006-CP		
10	H2-LL-010-CP		

H1_Plates



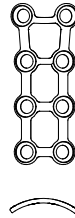
H1-QD-006

Square Plate, 6Holes
Silver, 0.6t



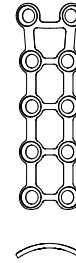
H1-QD-106

Square Plate, 6Holes
Silver, 0.6t



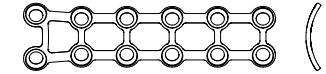
H1-QD-108

Square Plate, 8Holes
Silver, 0.6t



H1-QD-110

Square Plate, 10Holes
Silver, 0.6t



H1-QD-112

Square Plate, 12Holes
Silver, 0.6t

12



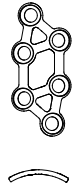
H1-QD-206-L

Square Plate, 6Holes
Left, Silver, 0.6t



H1-QD-206-R

Square Plate, 6Holes
Right, Silver, 0.6t



H1-QD-306-L

Square Plate, 6Holes
Left, Silver, 0.6t



H1-QD-306-R

Square Plate, 6Holes
Right, Silver, 0.6t



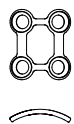
H1-QD-408-L

Square Plate, 8Holes
Left, Silver, 0.6t



H1-QD-408-R

Square Plate, 8Holes
Right, Silver, 0.6t



H1-SQ-004

Square Plate, 4Holes
Silver, 0.6t



H1-SQ-104

Square Plate, 4Holes
Silver, 0.6t



H1-SQ-204

Square Plate
4Holes, Silver, 0.6t



H1-HK-001

Pin(Hook) Plate, 1Holes
Silver, 0.6t



H1_Plates



H1-ST-016

Straight Plate
16Holes, Silver, 0.6t



H1-ZZ-016

Z Plate, 16 Holes
Silver, 0.6t

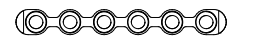


14



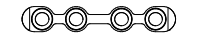
H1-ST-216

Straight Plate
16Holes, Silver, 0.6t



H1-ST-006

Straight Plate
6Holes, Silver, 0.6t



H1-ST-104

Straight Plate
4Holes, Silver, 0.6t



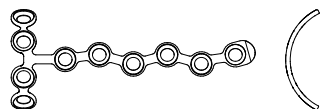
H1-LL-005

L Plate, 5Holes
Left, Silver, 0.6t



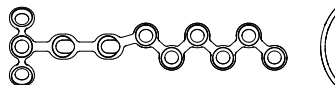
H1-LR-005

L Plate, 5Holes
Right, Silver, 0.6t



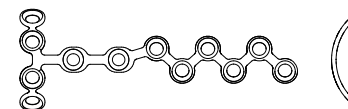
H1-TP-010

T Plate, 10Holes
Silver, 0.6t



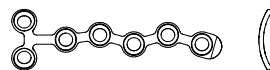
H1-TP-011

T Plate, 11Holes
Silver, 0.6t



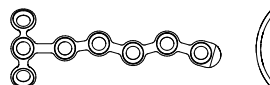
H1-TP-012

T Plate, 12Holes
Silver, 0.6t



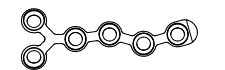
H1-TP-007

T Plate, 7Holes
Silver, 0.6t



H1-TP-008

T Plate, 8Holes
Silver, 0.6t



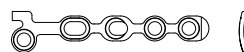
H1-YP-006

Y Plate, 6Holes
Silver, 0.6t



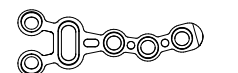
H1-PL-005

Pin(Condyle) Plate, 5Holes
Left, Silver, 0.6t



H1-PR-005

Pin(Condyle) Plate, 5Holes
Right, Silver, 0.6t



H1-YP-006A

Y(Adjustable) Plate
6Holes, Silver, 0.6t

H2_Plates



H2-ZZ-016

**Z Plate, 16Holes
Gold, 1.0t**



H2-ST-104

**Straight Plate, 4Holes
Gold, 1.0t**



H2-ST-006

**Straight Plate, 6Holes
Gold, 1.0t**

16



H2-ST-016

**Straight Plate, 16Holes
Gold, 1.0t**



H2-ST-216

**Straight Plate, 16Holes
Gold, 1.0t**



H2-LL-006

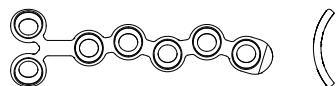
**L Plate, 6Holes
Left, Gold, 1.0t**



H2-LR-006

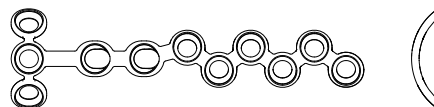
**L Plate, 6Holes
Right, Gold, 1.0t**





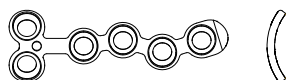
H2-YP-007

Y Plate, 7Holes
Gold, 1.0t



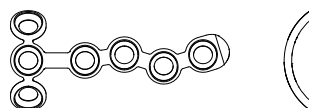
H2-TP-011

T Plate, 11Holes
Gold, 1.0t



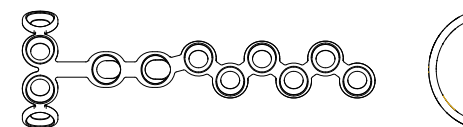
H2-TP-006

T Plate, 6Holes
Gold, 1.0t



H2-TP-007

T Plate, 7Holes
Gold, 1.0t



H2-TP-012

T Plate, 12Holes
Gold, 1.0t



H2-PL-006

Pin Plate 6Holes
Gold, Left, 1.0t

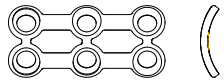


H2-PR-006

Pin Plate 6Holes
Gold, Right, 1.0t

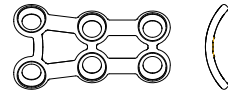


H2_Plates



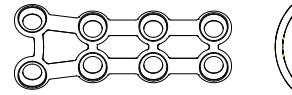
H2-QD-006

Square Plate
6Holes, Gold, 1.0t



H2-QD-106

Square Plate
6Holes, Gold, 1.0t

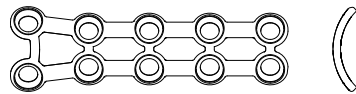


H2-QD-108

Square Plate
8Holes, Gold, 1.0t

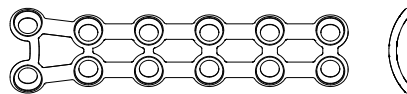


18



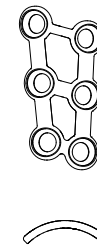
H2-QD-110

Square Plate, 10Holes
Gold, 1.0t



H2-QD-112

Square Plate, 12Holes
Gold, 1.0t



H2-QD-206-L

Square Plate, 6Holes
Left, Gold, 1.0t



H2-QD-206-R

Square Plate, 6Holes
Right, Gold, 1.0t



H2-QD-306-L

Square Plate, 6Holes
Left, Gold, 1.0t



H2-QD-306-R

Square Plate, 6Holes
Right, Gold, 1.0t



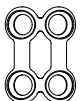
H2-QD-408-L

Square Plate, Left
8Holes, Gold, 1.0t



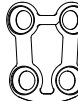
H2-QD-408-R

Square Plate, Right
8Holes, Gold, 1.0t



H2-SQ-104

Square Plate, 4Holes
Gold, 1.0t



H2-SQ-204

Square Plate, 4Holes
Gold, 1.0t



H2-SQ-304-L

Square Plate, 4Holes
Left, Gold, 1.0t



H2-SQ-304-R

Square Plate, 4Holes
Right, Gold, 1.0t

H2_Compression Plates



H2-ST-104-CP

Compression Straight
4Holes, Silver, 1,3t

H2-ST-105-CP

Compression Straight
5Holes, Silver, 1,3t

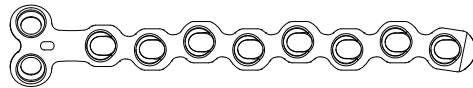
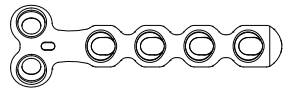
H2-ST-106-CP

Compression Straight
6Holes, Silver, 1,3t

H2-ST-208-CP

Compression Straight
8Holes, Silver, 1,3t

20



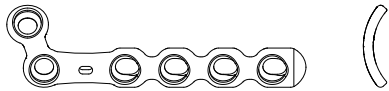
H2-TP-006-CP

Compression T Plate
6Holes, Silver, 1,3t

H2-TP-010-CP

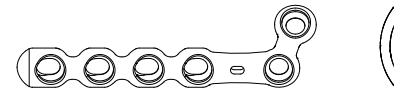
Compression T Plate
10Holes, Left, Silver, 1,3t





H2-LL-006-CP

Compression L Plate
6Holes, Left, Silver, 1.3t



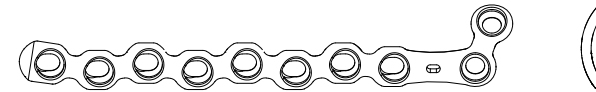
H2-LR-006-CP

Compression L Plate
6Holes, Right, Silver, 1.3t



H2-LL-010-CP

Compression L Plate
10Holes, Left, Silver, 1.3t

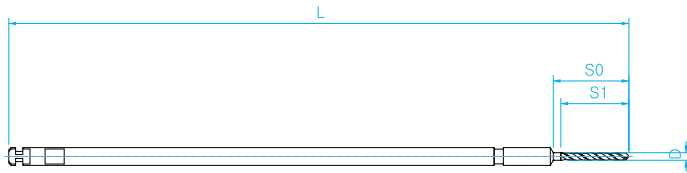


H2-LR-010-CP

Compression L Plate
10Holes, Right, Silver, 1.3t

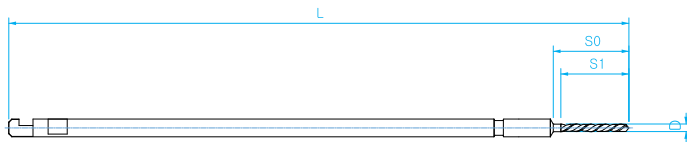
Specification of Drill Bit

Dental bar drill



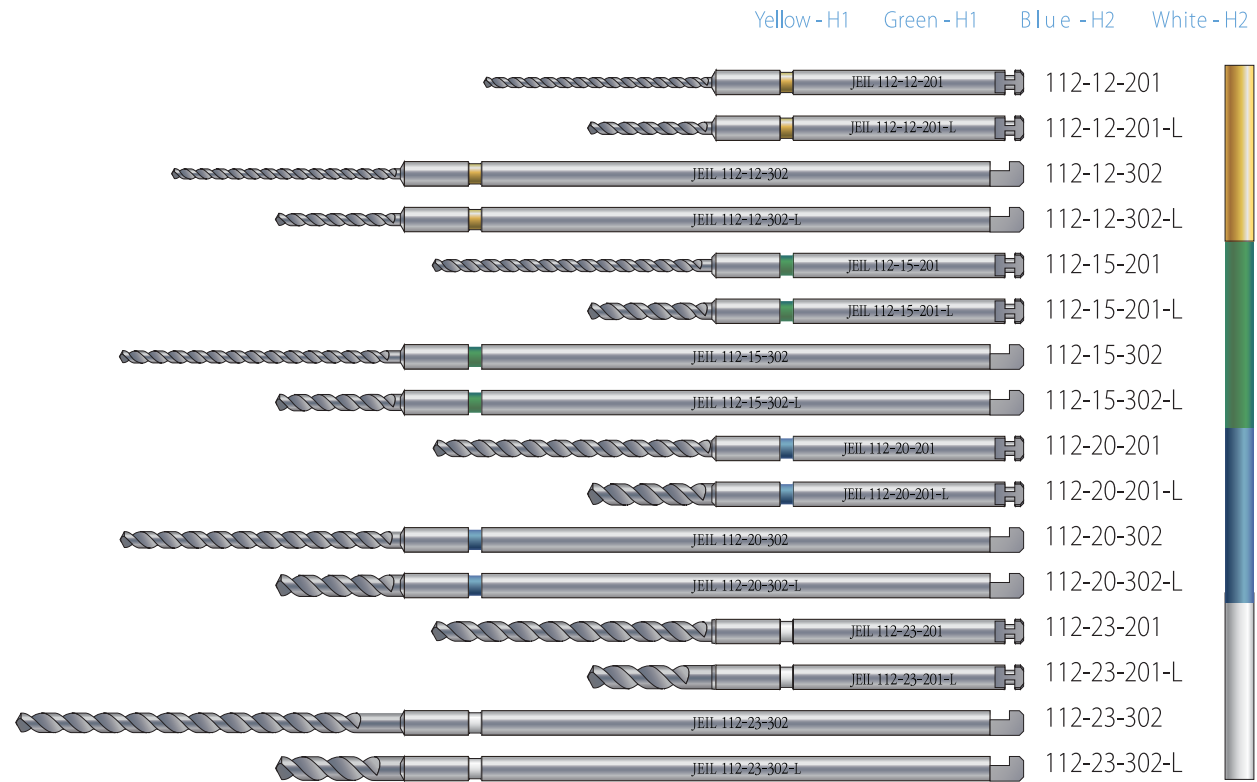
Code	L	S0	S1	D
112-12-201	57	22	11	Ø1.00
112-15-201	57	27	11	Ø1.20
112-20-201	57	27	11	Ø1.60
112-23-201	57	27	11	Ø1.90
112-12-201-L	42	12	11	Ø1.30
112-15-201-L	42	12	11	Ø1.60
112-20-201-L	42	12	11	Ø2.10
112-23-201-L	42	12	11	Ø2.40

Surgical drill



Code	L	S0	S1	D
112-12-302	82	22	21	Ø1.00
112-15-302	87	27	26	Ø1.20
112-20-302	87	27	26	Ø1.60
112-23-302	97	37	36	Ø1.90
112-12-302-L	72	12	11	Ø1.30
112-15-302-L	72	12	11	Ø1.60
112-20-302-L	72	12	11	Ø2.10
112-23-302-L	72	12	11	Ø2.40

Drill bits can be divided into 2 types(Surgical/Dental) according to the shape of shaft in the end.
 Each series drill bits can be divided into 2 types(common/compression) according to the size of blade.
 The function of a lag screw is to achieve compression between the fracture fragments and Lag drill is designed to make a gliding hole in advance when lag screw is operated.
 There are two types of Lag drills (Dental/ Surgical) which are offering by screw sizes



Instruments



112-052



Drill & Driver Organizer
112-052-1

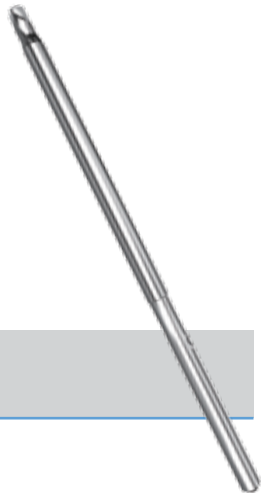
Instruments Kit

Each kit provides following instruments for H1 and H2 systems

- ① Screwdriver Handle
- ② Bender
- ③ Bender & Cutter
- ④ Grasping Forceps
- ⑤ Plate Holding Forceps
- ⑥ Depth Gauge
- ⑦ Drill & Driver Organizer



Screwdriver Handle
111-010



Driver Shaft
113-NF-101



Grasping Forceps(BD-05)
111-029



Plate Bender & Cutter
111-050



Plate Bender
111-050-1

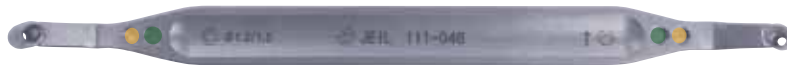
Instruments



■ Depth Gauge(H1)
111-027



■ Plate Holding Forceps(H1)
111-037



■ Drill Guide(H1)
111-046



■ Depth Gauge(H2)
111-028



■ Plate Holding Forceps(H2)
111-038



■ Drill Guide(H2)
111-047

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