

peditst



eight growth
plates

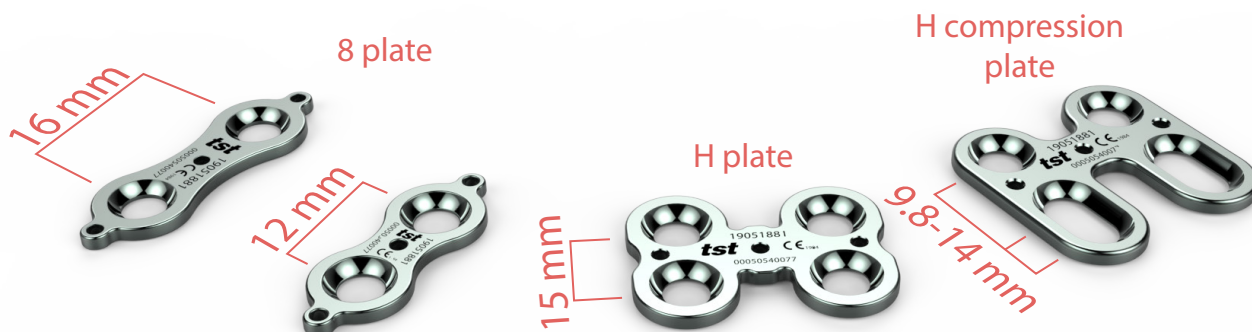
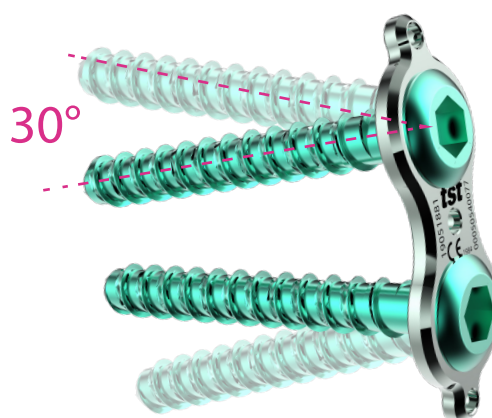
Indications

The Eight Growth Plates are applied for gradual correction of the deformities to upper and lower extremities (at the tip of long bones) during the adolescent and infant periods (from 18 months to 17 years).

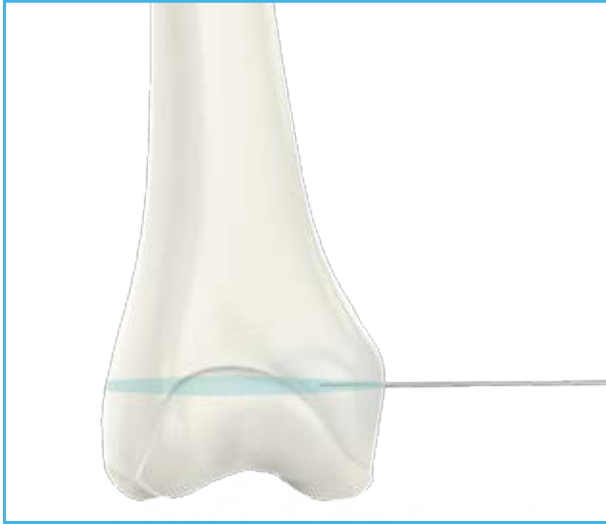
Ankle valgus, elbow varus, knee valgus and varus, oblique plan flexion deformity and recurvatum cases can be evaluated in this scope.

Features

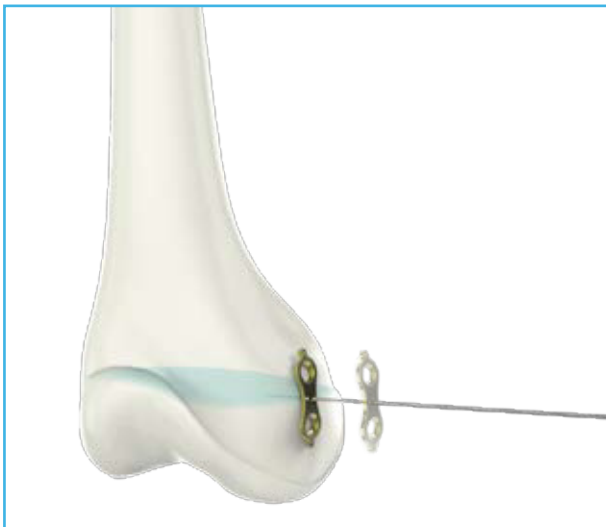
The anatomically structured titanium alloyed plate, having two different lengths (12 and 16 mm) simplifies the fixation on the physis (growth plate) by the K-Wire holes on the centre and both ends of the plate. It provides simple, short, and not complicated application opportunities by ambulatory care method. After the operation, moving easily, normal recovering process and not restricting daily activities are possible. Flexible, non-locking screw-plate hole structure provide the screws to be separated like a joint (till 24° for each screw) without restraining the physis development. Safe deformity correction is provided with the cannulated or usual, full threaded, cancellous screws having ability to resist the existing forces here. The diameters of the screws are Ø 4 mm, the lengths are from 14 mm up to 40 mm and they are made of titanium alloy.



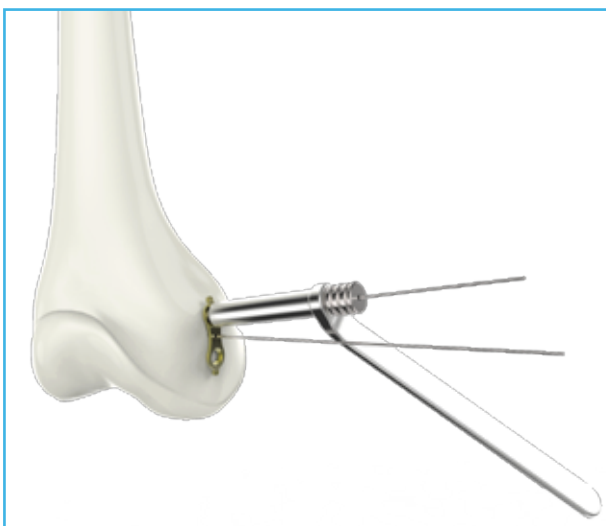
Surgery Technique



1 Insert the guide kirschner wire to physis and verify position with fluoroscopic imaging. The kirschner wire should be on physis line.

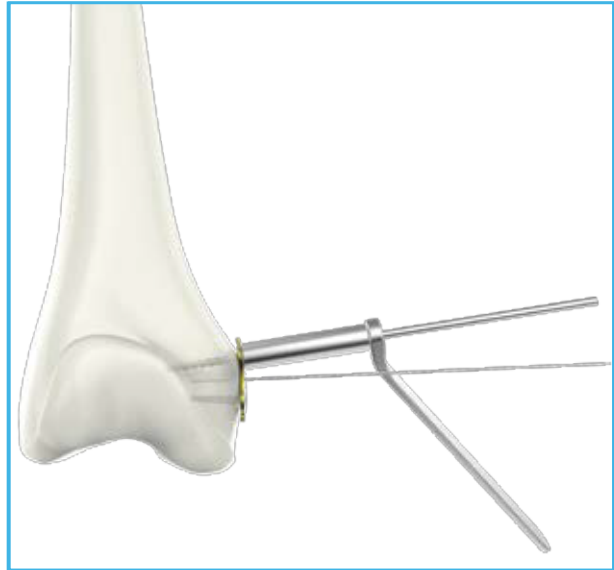


2 Apply contoured Eight Growth Plate over the kirschner wire. Arrange the eight growth plate drill guide which contains eight growth kirschner sleeve.

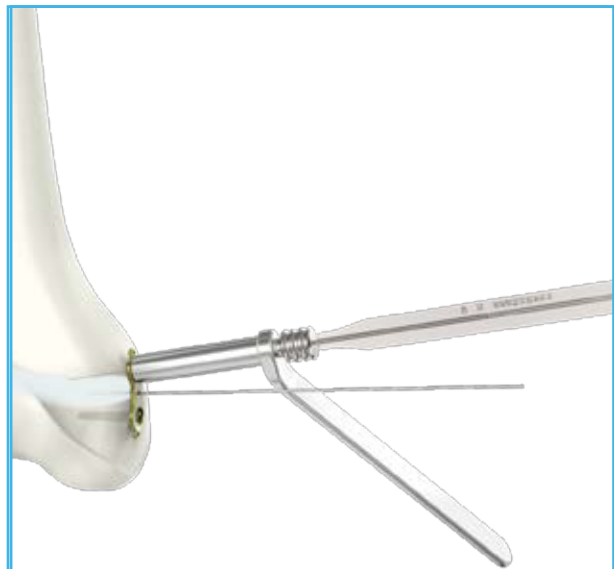


3 Initially, insert the epiphyseal guide kirschner wire with using the kirschner sleeve which attached to the drill guide, then insert the metaphyseal guide wire in same process. It's not necessary for these two wires to be parallel, but it's more important to be away from the physis. Remove the center guide wire and check position with fluoroscopic imaging.

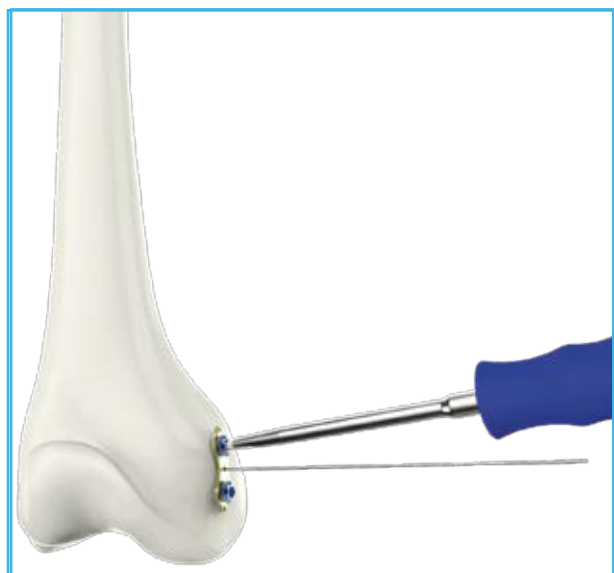
4 Drill the screw hole using the cannulated drill in drill sleeve which attached to the drill guide. Firstly, drill the epiphyseal hole, then the metaphyseal hole.

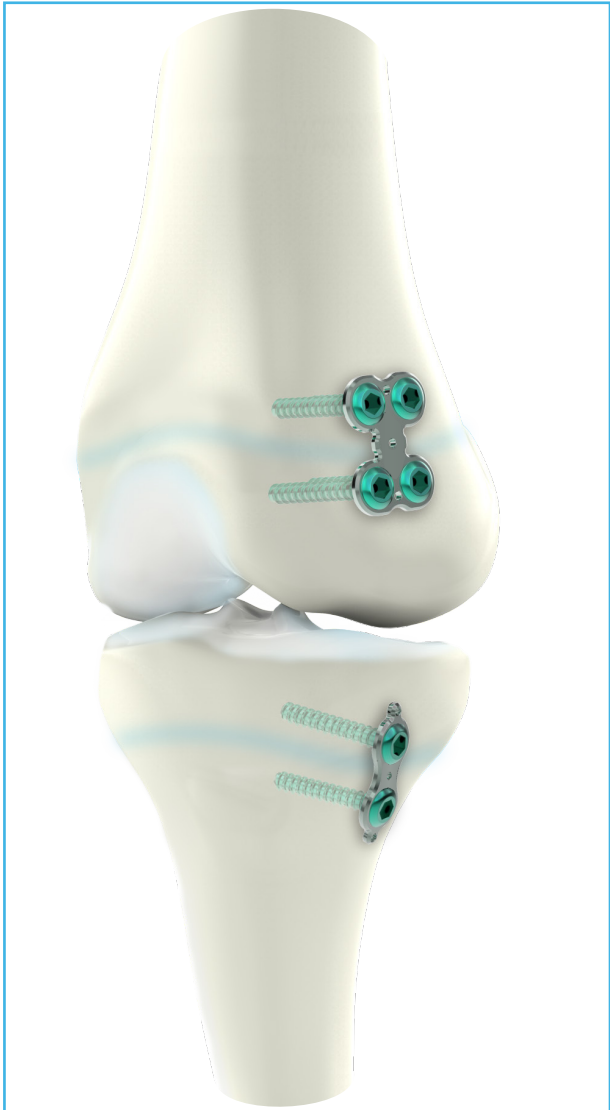


5 After drilling process, remove the cannulated drill and drill sleeve. The screw length is determined by the length measuring device.



6 Insert the epiphyseal cannulated or solid screw through the guide wire. Next, insert the metaphyseal screw. Screw do not need to be parallel but should never enter the physis.





7 Remove the instruments from eight growth plate and turn each screw 2-3 more times.

8 Ensure via fluoroscopy, the screws are completely seated and there is no gap between the screw-plate-bone interface. If failure to eliminate spaces between these interfaces, it may lead to 3 point bending and undue stress on the screw.

Set Details

TST Code	Barcode	Description	Material	Size
37220000012	8698673441460	EIGHT GROWTH PLATE 12 MM	Ti	12 mm
37220000016	8698673441477	EIGHT GROWTH PLATE 16 MM	Ti	16 mm
37222000001	8698673469662	H GROWTH COMPRESSION PLATE	Ti	18 mm
37221000015	8698673469679	H GROWTH PLATE 15 MM	Ti	15 mm

No	TST Code	Barcode	Description	Qty
1	00000304100	8680858437771	DESIGN TRAY 250X250 MM	1
2	00000020001	8680858413089	EIGHT GROWTH PLATE IMPLANT TRAY	1
3	37220000012	8698673441460	EIGHT GROWTH PLATE TI 12 MM	4
4	37220000016	8698673441477	EIGHT GROWTH PLATE TI 16 MM	4
5	37222000001	8698673469662	H GROWTH COMPRESSION PLATE TI	2
6	37221000015	8698673469679	H GROWTH PLATE TI 15 MM	2
7	03020000115	8698673493353	PENSET SMALL	1
8	03362010010	8680858437733	DRILL SLEEVE HOLDER	1
9	03722000002	8699931021967	EIGHT GROWTH PLATE DRILL SLEEVE	1
10	03362007512	8680858437726	K-WIRE SLEEVE 1.2X100 MM	2
11	02050100425	8699931005417	CANNULATED SCREW DRIVER QUICK TIP 2.5XØ5X130MM	1
12	02020103025	8699931010930	SCREW DRIVER QUICK TIP 2.5XØ5X130 MM	1
13	03356200100	8680858442256	LENGTH MEASURING DEVICE FOR K-WIRE 1.2X150 MM	1
14	02050100425	8698673441187	SOFT SCREW DRIVER QUICK SMALL	1
15	04551208190	8699931029550	K-WIRE TUBE Ø12XØ8X190 MM	1
	23410150112	8698673458840	KIRSCHNER WIRE TROCAR POINT 1.2X150 MM	4
	23212530170	8680858426355	CANNULATED DRILL 3.2X1.25X30X170 MM	1
	00270270080	8699931009019	CONTAINER 270X270X80 MM	1



LOW PROF.SPONG. WIDE HEAD SCREW TI 4.0 MM

TST Code	Barcode	Length	Qty
20320104014	8680858423767	14 mm	2
20320104016	8680858423774	16 mm	2
20320104018	8680858423781	18 mm	2
20320104020	8680858423798	20 mm	2
20320104022	8680858423804	22 mm	2
20320104024	8680858423811	24 mm	2
20320104026	8680858423828	26 mm	2
20320104028	8680858423835	28 mm	2
20320104030	8680858423842	30 mm	2
20320104035	8680858423859	35 mm	2
20320104040	8680858423866	40 mm	2



CANN. SPONG. WIDE HEAD SCREW (FULL THRD) 4.0 MM

TST Code	Barcode	Length	Qty
20324114014	8680858427482	14 mm	2
20324114016	8680858427499	16 mm	2
20324114018	8680858427505	18 mm	2
20324114020	8680858427512	20 mm	2
20324114022	8680858427529	22 mm	2
20324114024	8680858427536	24 mm	2
20324114026	8680858427543	26 mm	2
20324114028	8680858427550	28 mm	2
20324114030	8680858427567	30 mm	2
20324114035	8680858427574	35 mm	2
20324114040	8680858427581	40 mm	2

