



Fig. E-1A



Fig. E-1B



Fig. E-1C

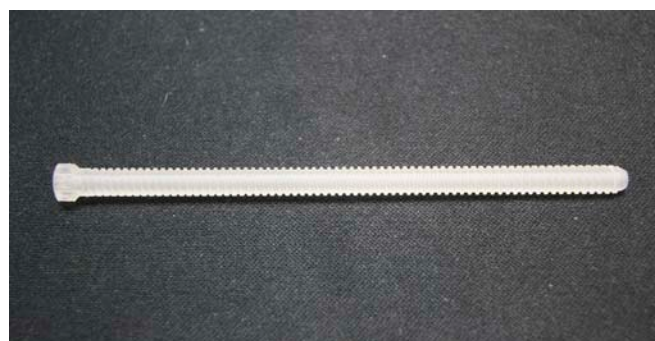


Fig. E-1D



Fig. E-1E

FreedomPlate and screw system, showing the 10-cm-long plate (**Fig. E-1A**), 3.1-mm cortical screw (**Fig. E-1B**), 4.5-mm cancellous screw (**Fig. E-1C**), 4.5-mm cannulated cortical screw (**Fig. E-1D**), and 4.5-mm lag screw (**Fig. E-1E**).

TABLE E-1 Radiographic Criteria to Evaluate the Quality of Reduction by the Klossner Classification System

Rating	Criteria
Lateral malleolus	
Good	Dorsal, ventral, proximal, or distal displacement of <2 mm
Fair	Dorsal, ventral, proximal, or distal displacement of 2-5 mm
Poor	Displacement larger than above; rotation, angulation, or lateral displacement
Medial malleolus	
Good	Dorsal, ventral, proximal, or distal displacement of <2 mm
Fair	Dorsal, ventral, proximal, or distal displacement of 2-5 mm
Poor	Displacement larger than above; rotation, angulation, or lateral displacement
Posterior malleolus	
Good	Proximal displacement of <2 mm
Fair	Proximal displacement of 2-5 mm
Poor	Proximal displacement of >5 mm
Reduction of the syndesmosis	
Good	Equal to normal
Fair	<2 mm wider than normal
Poor	≥2 mm wider than normal

TABLE E-2 Demographic Data

	Group I (n = 53)	Group II (n = 49)	P Value
Age* (yr)	30.0 ± 8.1	32.7 ± 11.5	0.192
Sex (M:F)	33:20	32:17	0.750
Body mass index*	23.9 ± 2.7	23.9 ± 2.6	0.903
ASA classification† (no. of ankles)			0.597
1 or 2	49	45	
3 or 4	4	4	
OTA classification† (no. of ankles)			0.899
A	13	12	
B	31	27	
C	9	10	
Cause (no. of ankles)			0.257
Fall	29	32	
Sports	20	15	
Crush	1	2	
Traffic accident	3	0	
Smoker:nonsmoker	12:41	15:34	0.362

*The values are given as the mean and the standard deviation. †ASA = American Society of Anesthesiologists, and OTA = Orthopaedic Trauma Association.