

Table S1

Sample	Digit	Implant	Fracture after testing	Mode of failure
1	2	CCS 3.0	yes	implant bent
2	3	CCS 3.0	yes	implant bent
3	4	CCS 2.2	yes	implant bent
4	5	CCS 3.0	yes	implant bent
5	2	CCS 3.0	no	implant bent
6	3	CCS 3.0	no	implant bent
7	4	CCS 3.0	no	implant bent
8	5	CCS 3.0	no	implant bent
9	2	CCS 3.0	no	implant bent
10	3	CCS 3.0	no	failed preloading
11	4	CCS 3.0	yes	fracture palmar cortex
12	5	CCS 3.0	yes	fracture palmar cortex
13	2	Plate	yes	implant bent
14	3	Plate	no	fracture distal screw
15	4	Plate	no	fracture proximal screw
16	5	Plate	no	implant bent
17	2	Plate	no	implant bent
18	3	Plate	yes	distal screw pulled out
19	4	Plate	yes	fracture base metacarpal
20	5	Plate	no	implant bent
21	2	Plate	no	implant bent
22	3	Plate	yes	implant bent; screw pull out
23	4	Plate	yes	fracture base metacarpal
24	5	Plate	yes	fracture base metacarpal

Table S1. Failure mode of individual specimens.