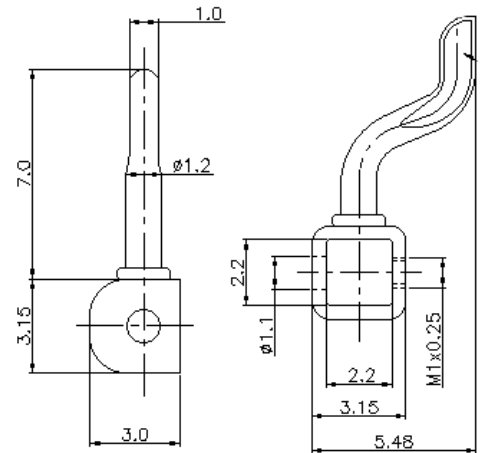
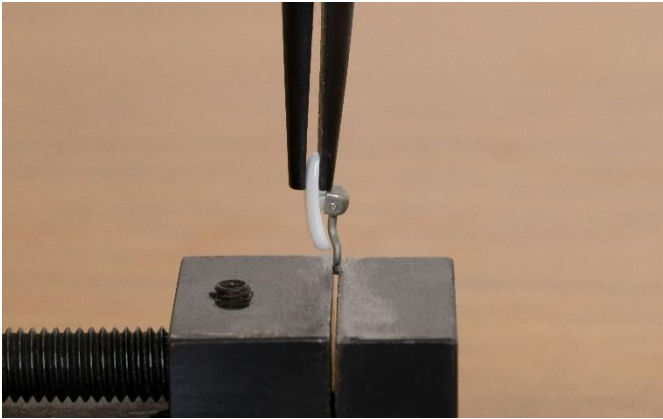


Ceramic pads strength test

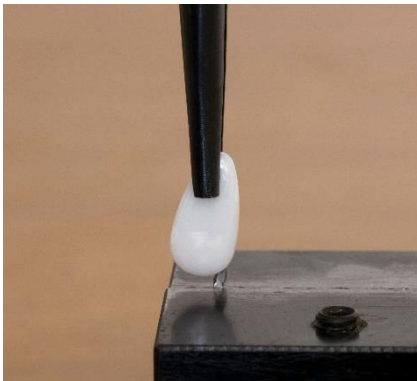
1. Twist strength test

Anchor a ceramic pad with pad arm using a vice as shown in the picture.

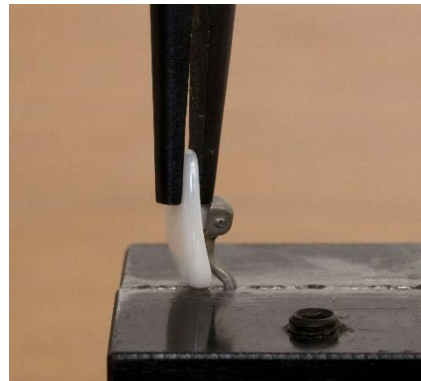
Note: Use the pad arm, as pictured below. Change this pad arm once in three tests.



Pinch the nose pad and twist it 45 degrees right and left. Repeat this process two times. If the nose pad does not break, it should be strong enough.



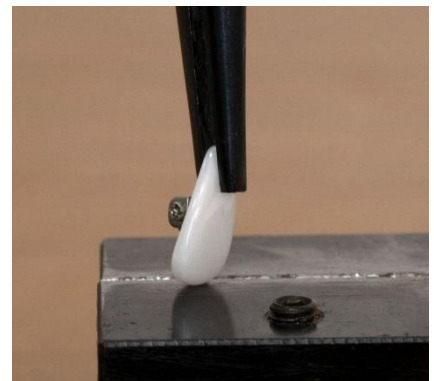
→
Twist 45
degrees to
the left



→
Return to 0
degrees

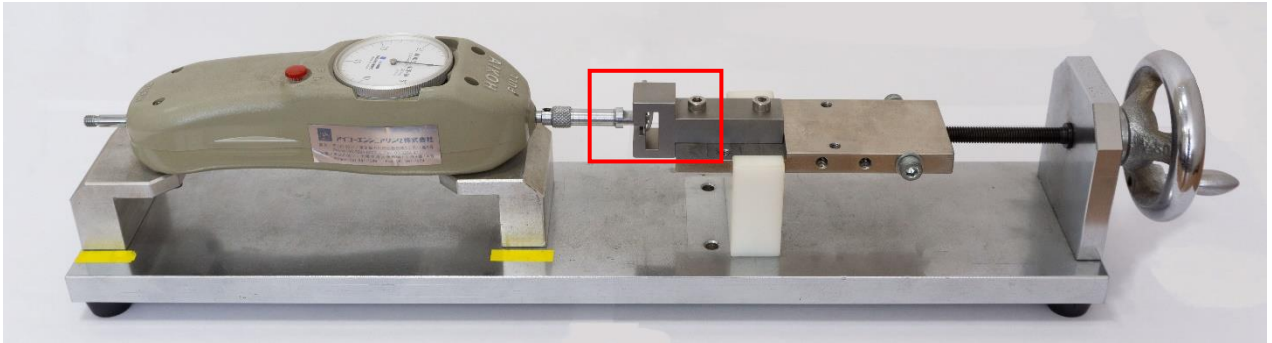


→
Twist 45
degrees to
the right



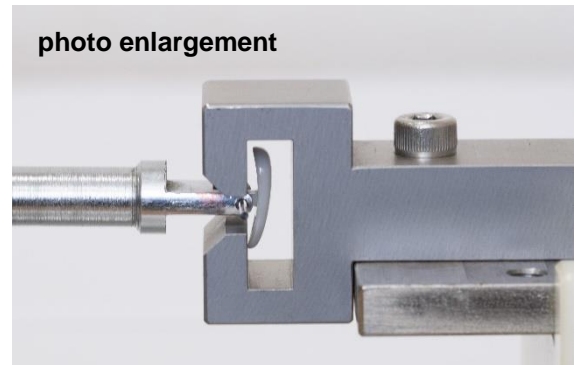
Repeat this process again.

2. Tensile strength test



Measure tensile strength of a ceramic nose pad using the Pulling Tester as shown in the picture.

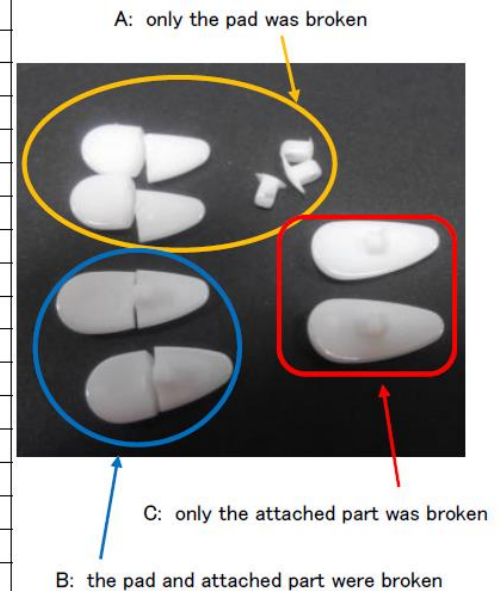
Anchor the nose pad as shown in the picture.
Pull the nose pad from the side where the nose pad is attached and measure the tensile strength.



Ceramic pads tensile strength test results

2019/12/10

	Strength(kgf)	Broken-part patterns		Strength(kgf)	Broken-part patterns
1	17.25	A	21	15.25	C
2	22.75	A	22	17.50	A
3	21.00	B	23	16.50	A
4	17.25	B	24	16.50	A
5	17.75	B	25	16.00	C
6	21.75	A	26	16.75	A
7	21.00	A	27	15.75	A
8	20.75	A	28	14.75	C
9	14.25	C	29	15.75	A
10	20.25	A	30	16.25	A
11	17.25	B	31	12.50	C
12	23.00	A	32	17.25	A
13	21.25	B	33	16.75	B
14	23.25	A	34	15.75	A
15	20.25	A	35	16.00	A
16	19.75	B	36	17.25	A
17	14.25	C	37	16.00	A
18	17.75	B	38	16.00	A
19	18.25	B	39	17.50	A
20	19.25	A	40	16.75	A



Broken-part patterns

- A only the pad was broken
- B the pad and attached part were broken
- C only the attached part was broken

Even if the attached part was broken, it has a strength of more than 10kg.