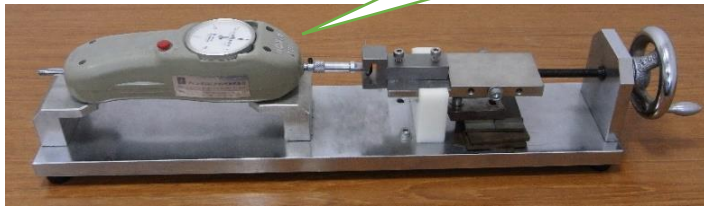


# Acetate Pad Strength Test

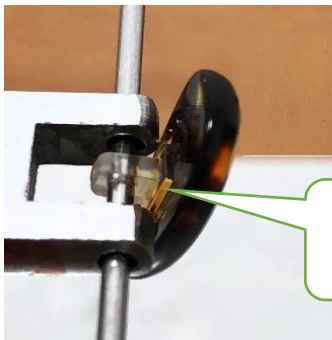
2018 August

## Pulling Tester

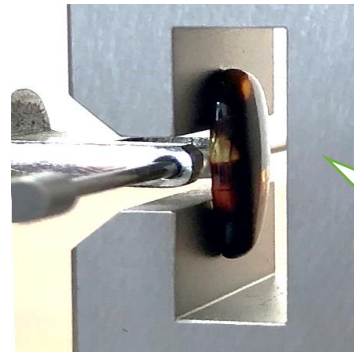
Pull Force



## How to test



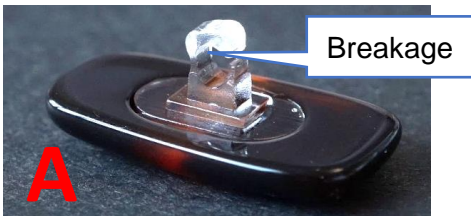
1. Insert the pad to the pin.



2. Hold the pad and pull it by the pulling

## Breakage Conditions

**A** The nylon inlay breaks



Breakage

**B** The nylon inlay comes off from the acetate base



The inlay comes off after it gets deformed severely.

## Test Results «Samples: 47pieces»

	Broken part	kgf	N		Broken part	kgf	N		Broken part	kgf	N		Broken part	kgf	N
1	B	7.25	71.09	13	A	7.50	73.55	25	B	7.00	68.64	37	A	6.75	66.19
2	A	7.00	68.64	14	A	7.50	73.55	26	A	7.50	73.55	38	A	7.25	71.09
3	A	7.50	73.55	15	A	7.50	73.55	27	A	7.75	76.00	39	A	7.00	68.64
4	A	7.25	71.09	16	B	7.25	71.09	28	A	7.00	68.64	40	A	7.50	73.55
5	B	7.25	71.09	17	A	7.25	71.09	29	B	7.25	71.09	41	B	6.75	66.19
6	B	7.50	73.55	18	A	7.50	73.55	30	B	7.25	71.09	42	B	6.75	66.19
7	B	7.25	71.09	19	A	7.50	73.55	31	B	7.00	68.64	43	B	7.00	68.64
8	A	7.25	71.09	20	A	7.50	73.55	32	A	7.50	73.55	44	B	7.00	68.64
9	B	7.25	71.09	21	A	6.50	63.74	33	A	7.50	73.55	45	B	7.00	68.64
10	A	7.50	73.55	22	B	7.50	73.55	34	A	7.25	71.09	46	B	7.25	71.09
11	A	7.50	73.55	23	B	6.75	66.19	35	B	7.25	71.09	47	B	6.75	66.19
12	A	7.50	73.55	24	A	7.75	76.00	36	A	7.50	73.55				

## Test Result «average»

Breakage conditions	Photo	Ratio	Average Strength(Kgf)	Average strength(N)
Nylon inlay breaks: 27pieces/47pieces	<b>A</b>	57%	7.35	72.09
Nylon inlay comes off before it breaks: 20pieces/47pieces	<b>B</b>	43%	7.11	69.75

## Guarantee

Durability against over 6.5Kgf (approximately 63N) is guaranteed.