

NOTES:  
 1. ALL THE OPERATING PERFORMANCE SPEC. IN BELLOW TABLE SHOULD BE MET. THE MEASURE METHOD IS SHOWN AS FIG.1.  
 OPERATE THE DOME 10 TIMES BEFORE MEASURING.

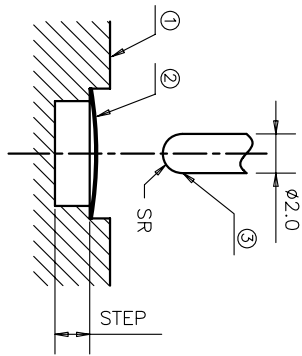
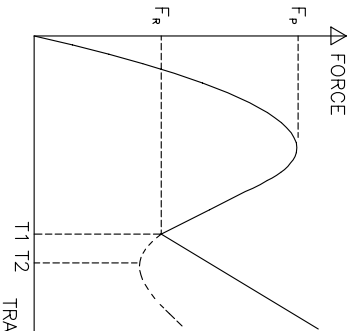


Fig.1. MEASURING METHOD

- 1) TEST SPEED : 120 SPM
- 2) TEST FORCE :  $F_p$
- 3) MATERIAL : ALUMINIUM.

- 2. OBVIOUS BURR, SCRATCHES, CRACKES IS FORBIDDEN.
- 3. DIMENSIONS MARKED  $\nabla$  SHOULD BE CHECKED BY O.C. AND P.E.
- 4. DIMENSIONING SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
- 5. HARMFUL MATERIAL CONTROL PLEASE FOLLOW DOC."HY-QW-02"
- 6. PART PERFORMANCE TABLE  $\nabla$

Fig.2. OPERATING PERFORMANCE



$F_p$ : PEAK FORCE  
 $F_r$ : RETURN FORCE  
 $T_1$ : CONTACT POINT  
 $T_2$ : BUTTON POINT  
 $C/R = (F_p - F_r) / F_p * 100\%$   
 REMARK:  
 1. T2 TESTED WHEN THE SETP IS DEEP ENOUGH TO NOT CONTACT WITH DOME DURING MEASURING.  
 2.  $T_1 < T_2$

| REV | ECON NO. | APPD |
|-----|----------|------|
| A   | HC060009 | ZO   |
| B   | HC060033 | ZO   |
| C   | HC100168 | ZO   |
| D   | HC110001 | ZO   |
| E   | HC140005 | ZO   |
| F   | HC160002 | ZO   |

| PART NAME     | D                   | H         | P.F.(gf) | C/R(%) |
|---------------|---------------------|-----------|----------|--------|
| 600-5***-**** | $\phi 5^{+0.05}$    | 0.25±0.05 | CP±15    | C/R±10 |
| 600-C***-**** | $\phi 4.5^{+0.05}$  | 0.22±0.05 | CP±15    | C/R±10 |
| 600-4***-**** | $\phi 4^{+0.05}$    | 0.2±0.05  | CP±15    | C/R±10 |
| 600-B***-**** | $\phi 3.5^{+0.05}$  | 0.18±0.05 | CP±15    | C/R±10 |
| 600-3***-**** | $\phi 3^{+0.05}$    | 0.16±0.05 | CP±15    | C/R±10 |
| 600-L***-**** | $\phi 2.92^{+0.02}$ | 0.15±0.05 | CP±15    | C/R±10 |
| 600-J***-**** | $\phi 2.9^{+0.05}$  | 0.15±0.05 | CP±15    | C/R±10 |
| 600-K***-**** | $\phi 2.85^{+0.02}$ | 0.15±0.05 | CP±15    | C/R±10 |
| 600-A***-**** | $\phi 2.5^{+0.05}$  | 0.15±0.05 | CP±15    | C/R±10 |
| 600-D***-**** | $\phi 2.2^{+0.05}$  | 0.15±0.05 | CP±15    | C/R±10 |
| 600-2***-**** | $\phi 2.0^{+0.05}$  | 0.15±0.05 | CP±15    | C/R±10 |

| TYPE: | DIMPLE: | D:   | C/R:  | STEP:  | MATERIAL:  | CP:  |
|-------|---------|--|---|--|--|--|
| 6611  | 01345   | 2=φ2.0mm<br>3=φ3.0mm<br>4=φ4.0mm<br>5=φ5.0mm<br>6=φ6.0mm<br>A=φ2.5mm<br>B=φ3.5mm<br>C=φ4.5mm<br>D=φ2.2mm<br>E=φ2.3mm<br>F=φ2.4mm<br>G=φ2.7mm<br>H=φ2.8mm<br>J=φ2.9mm<br>K=φ2.85mm<br>L=φ2.92mm | 0=60%<br>1=65%<br>2=55%<br>3=45%<br>4=35%<br>5=25%<br>6=15% | 0=0.00mm<br>1=0.01mm<br>2=0.02mm<br>3=0.03mm<br>4=0.04mm<br>5=0.05mm<br>6=0.06mm<br>7=0.07mm<br>8=0.08mm<br>9=0.09mm<br>A=0.10mm | 0=NI-SUS<br>1=NI-SUS<br>S=AG-SUS<br>1=PB<br>2=BECU | 060=060gf<br>080=080gf<br>100=100gf<br>130=130gf<br>160=160gf<br>180=180gf<br>200=200gf<br>250=250gf |

| X ± 0.2     | X' ± 3'      | UNITS  | MM | NAME(INTENDED USE)         | HON YUAN   |
|-------------|--------------|--------|----|----------------------------|--|
| .X ± 0.1    | .X' ± 2'     | MAT'L  |    | METAL DOME FOR TACT SWITCH | HON YUAN PRECISION IND. CO.,LTD. SHENZHEN, CHINA, R.O.C. |
| .XX ± 0.05  | .XX' ± 1'    | FINISH |    | PART NO.(INTENDED USE)     | TITLE: DOME CUSTOMER DRAWING                             |
| .XXX ± 0.03 | .XXX' ± 0.5' |        |    | APPD: ZO 3/18/2014         | DWG NO.: 600-0000-000                                    |
|             |              |        |    | CHKD: M.H.LI 3/18/2014     | SCALE SHEET REV. 1/1 1/5 F                               |
|             |              |        |    | DR: WP.LU 3/18/2014        |  |

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