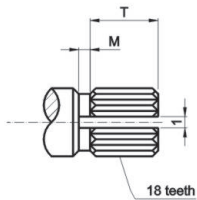


Type of shaft : 軸的型式

With bushing

|   |   |   |    |  |
|---|---|---|----|--|
| W | 5 | 7 | 0  |  |
| A | 5 | 7 | 10 |  |



18 TEETH TYPE  
A=5mm

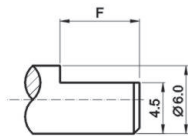
|   |     |     |    |    |
|---|-----|-----|----|----|
| X | 1   | 2   | 3  | 4  |
| L | 12  | 15  | 20 | 25 |
| T | 3.5 | 7.5 | 12 | 12 |
| M | 0.5 | 1   | 2  | 2  |

A=7mm

|   |     |     |    |    |
|---|-----|-----|----|----|
| X | 1   | 2   | 3  | 4  |
| L | 12  | 15  | 20 | 25 |
| T | 3.5 | 6   | 10 | 12 |
| M | 0.5 | 0.5 | 1  | 2  |

A=10mm

|   |     |     |    |
|---|-----|-----|----|
| X | 2   | 3   | 4  |
| L | 15  | 20  | 25 |
| T | 3.5 | 6.5 | 12 |
| M | 0.5 | 2   | 2  |



F TYPE  
A=5mm

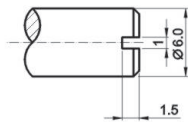
|   |     |    |    |     |
|---|-----|----|----|-----|
| X | A   | B  | C  | V   |
| L | 15  | 20 | 25 | 12  |
| F | 7.0 | 12 | 12 | 5.3 |

A=7mm

|   |     |    |    |
|---|-----|----|----|
| X | A   | B  | C  |
| L | 15  | 20 | 25 |
| F | 7.0 | 12 | 12 |

A=10mm

|   |     |    |    |
|---|-----|----|----|
| X | A   | B  | C  |
| L | 15  | 20 | 25 |
| F | 3.5 | 12 | 12 |



S TYPE  
A=5mm

|   |    |    |    |
|---|----|----|----|
| X | Q  | R  | S  |
| L | 15 | 20 | 25 |

A=7mm

|   |    |    |    |
|---|----|----|----|
| X | Q  | R  | S  |
| L | 15 | 20 | 25 |

A=10mm

|   |    |    |    |
|---|----|----|----|
| X | Q  | R  | S  |
| L | 15 | 20 | 25 |

**Mechanical characteristics: 機械的性能**

|                                    |  |
|------------------------------------|--|
| Total rotational angle<br>全迴轉角度    | $300^{\circ} \pm 10^{\circ}$               |
| Rotational torque<br>迴轉扭力          | 10~200 gf.cm                               |
| Rotation stopper strength<br>止迴轉強度 | Outer shaft 4Kgf.cm<br>Inner shaft 3Kgf.cm |
| Push pull strength<br>軸堆拉強度        | push 4 kgf / pull 3kgf                     |

**Electrical characteristics: 電氣的性能**

|                                      |   |
|--------------------------------------|---|
| Total resistance<br>總阻值              | 10K $\Omega$ ~500K $\Omega$   |
| Total resistance tolerance<br>總阻值容許差 | $\pm 20\%$  |
| Rated power<br>定格電力                  | curve B:0.05W<br>other curve B:0.025W   |
| Max.operating voltage<br>最高使用電壓      | curve B:50V AC<br>other curve B:25V AC  |
| Slide noise<br>滑動噪音                  | less than 100mV   |
| Resistance taper<br>阻值線性             | A, B, C   |
| Residual resistance<br>殘留阻值          | $R \geq 250K\Omega$ 0.1% max. of total resistance<br>$250K\Omega > R > 10K\Omega$ 20 $\Omega$ max.<br>$10K\Omega \geq R$ 10 $\Omega$ max. |
| Insulation resistance<br>絕緣抵抗        | more than 100M at DC 250V   |
| Gang error<br>相互偏差                   | -40dB to 0dB 3dB max.   |

**Durability: 耐久的性能**

|                         |               |
|-------------------------|---------------|
| Rotational life<br>迴轉壽命 | 10,000 cycles |
|-------------------------|---------------|