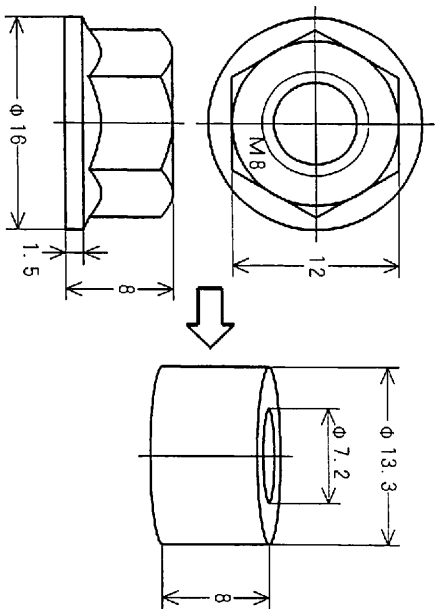
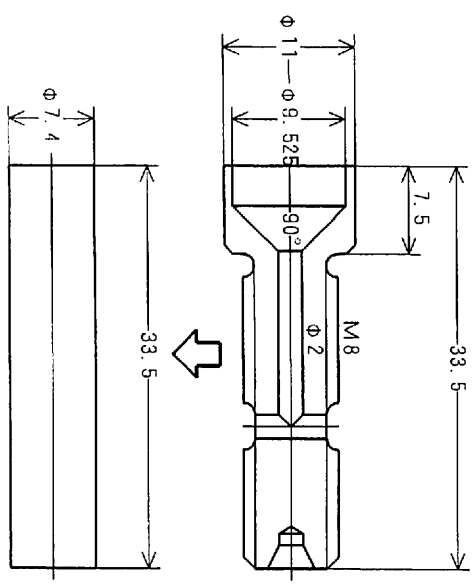


① ロックナット



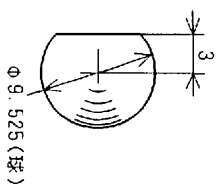
$\rho = 7.85g/cm^3$
 $W = 6.18g$
 $I_0 = 0.001235g \cdot cm \cdot sec^2$
 $r = 4.025cm$
 $I = I_0 + \frac{W}{g} r^2$
 $= 0.1033g \cdot cm \cdot sec^2$

② フリヤストスクリュー



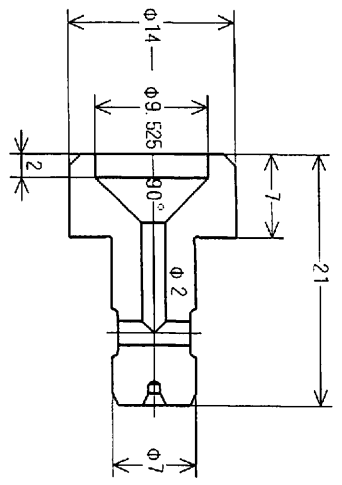
$\rho = 7.85g/cm^3$
 $W = 11.29g$
 $I_0 = 0.003605g \cdot cm \cdot sec^2$
 $r = 3.4cm$
 $I = I_0 + \frac{W}{g} r^2$
 $= 0.1367g \cdot cm \cdot sec^2$

③ 欠球



$\rho = 7.85g/cm^3$
 $W = 3.23g$
 $I_0 = 0.0003g \cdot cm \cdot sec^2$
 $r = 3.05cm$
 $I = I_0 + \frac{W}{g} r^2 = 0.0310g \cdot cm \cdot sec^2$

④ フリッシュロッドシート



$\rho = 7.85g/cm^3$
 $W = 10.49g$
 $I_0 = 0.004437g \cdot cm \cdot sec^2$
 $r = 2.45cm$
 $I = I_0 + \frac{W}{g} r^2 = 0.0687g \cdot cm \cdot sec^2$

⑤ ロッカーアーム

- ホヌ (中空軸)

Al合金 $\left\{ \begin{array}{l} D \times d \times L \\ 30 \times 20 \times 125 \end{array} \right.$ $\rho = 2.8g/cm^3$ $W = 137.44g$
 $I = I_0 = 0.2278g \cdot cm \cdot sec^2$
 鋼 $\left\{ \begin{array}{l} D \times d \times L \\ 27 \times 20 \times 125 \end{array} \right.$ $\rho = 7.83g/cm^3$ $W = 253.55g$
 $I = I_0 = 0.3649g \cdot cm \cdot sec^2$

- 井側アーム

Al合金 $\left\{ \begin{array}{l} D \times d \times L \\ 18 \times 7.2 \times 13 \end{array} \right.$ $W = 7.78g$
 $I_0 = 0.00298g \cdot cm \cdot sec^2$
 $r = 3.4cm$
 $I = 0.0947g \cdot cm \cdot sec^2$
 鋼 $\left\{ \begin{array}{l} D \times d \times L \\ 18 \times 7.2 \times 13 \end{array} \right.$ $W = 16.36g$
 $I_0 = 0.00556g \cdot cm \cdot sec^2$
 $r = 3.4cm$
 $I = 0.1985g \cdot cm \cdot sec^2$

- フリヤストスクリュー

Al合金 $\left\{ \begin{array}{l} D \times d \times L \\ 16 \times 7 \times 13 \end{array} \right.$ $W = 5.92g$
 $I_0 = 0.0020g \cdot cm \cdot sec^2$
 $r = 2.6cm$
 $I = 0.0428g \cdot cm \cdot sec^2$
 鋼 $\left\{ \begin{array}{l} D \times d \times L \\ 14 \times 7 \times 13 \end{array} \right.$ $W = 8.16g$
 $I_0 = 0.001558g \cdot cm \cdot sec^2$
 $r = 2.6cm$
 $I = 0.0578g \cdot cm \cdot sec^2$

- ロッカーアーム単体合計

Al合金 : $I_{A1} = 0.5166g \cdot cm \cdot sec^2$
 鋼 : $I_{S1} = 0.9374g \cdot cm \cdot sec^2$

