

查表并画出以下尺寸的公差带图

$\Phi 30 A6$ 、 $\Phi 30 js6$ 、 $\Phi 30 N6$ $^{30}_{-11}IT6$ $13\mu m$

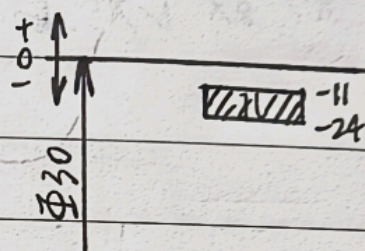
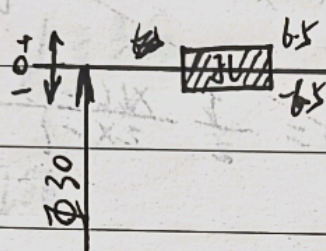
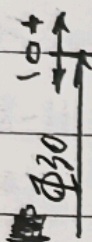
+300

$$\pm \frac{IT_n}{2} = \pm 6.5\mu m$$

-15+11 $\Delta=4$

-11mm

$\frac{313}{300}$



3-1

孔

轴

上极限偏差

$$ES = +0.033$$

$$es = -0.020$$

下极限偏差

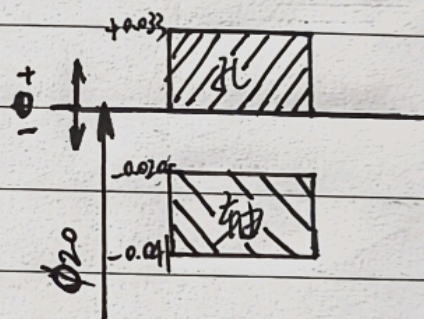
$$EI = 0$$

$$ei = -0.041$$

标准公差

$$T_H = 0.033$$

$$T_s = 0.021$$



$$X_{max} = 20.033 - 19.959 = 0.074$$

$$X_{min} = 20 - 19.980 = 0.020$$

$$X_{ave} = \frac{X_{max} + X_{min}}{2} = 0.047$$

3-2

孔

轴

上极限偏差

$$ES = +0.025$$

$$ES = +0.033$$

下极限偏差

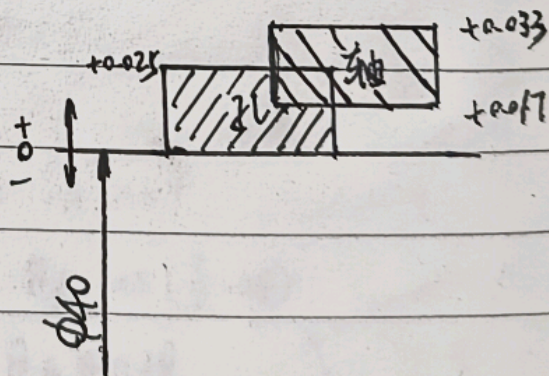
$$EI = 0$$

$$ei = +0.017$$

标准公差

$$T_H = 0.025$$

$$T_s = 0.016$$



$$X_{max} = 40.033 - 40.025 = 0.008$$

$$Y_{max} = 40 - 40.033 = -0.033$$

$$Y_{ave} = \frac{X_{max} + Y_{max}}{2} = -0.0125$$

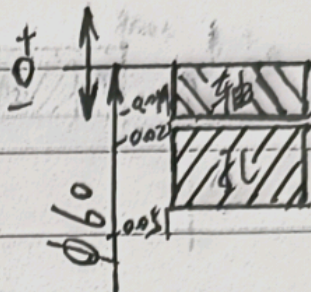
3-3

孔 轴

$ES = -0.021$ $es = 0$
 $EI = -0.051$ $ei = 0.019$
 $Th = 0.030$ $Ts = 0.019$

$Y_{max} = 59.949 - 60 = -0.051$
 $Y_{min} = 59.979 - 59.981 = -0.002$

$Y_{ave} = -0.0265$



3-4 孔 轴

$ES = 0.077$ $es = 0.023$

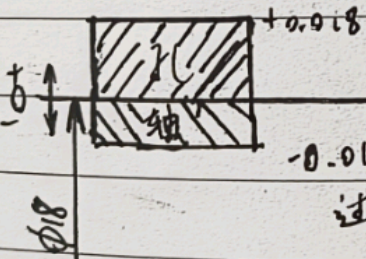
$EI = 0.034$ $ei = 0.012$

$Th = 0.043$ $Ts = 0.011$

$T_f = Th + Ts = 0.054$

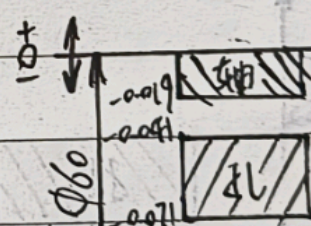
3-5

18 H7/h6



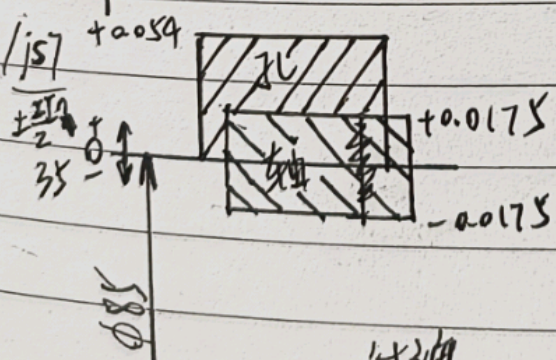
过渡

60 R7/h6
30 19



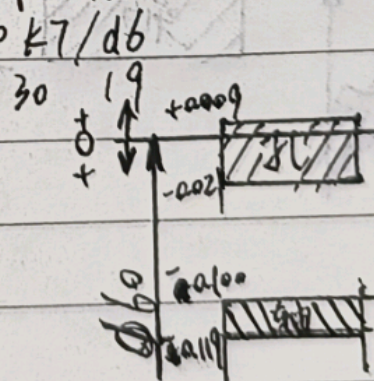
过渡

(6) 85 H8/js7



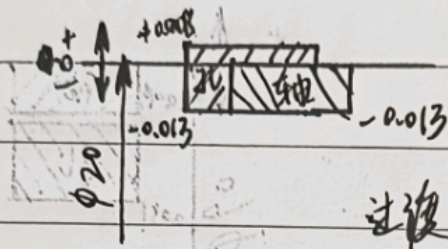
过渡

(8) 60 k7/d6



间隙

(10) $\frac{8}{2+8=6}$
 $20k7/h6$
 21. 13



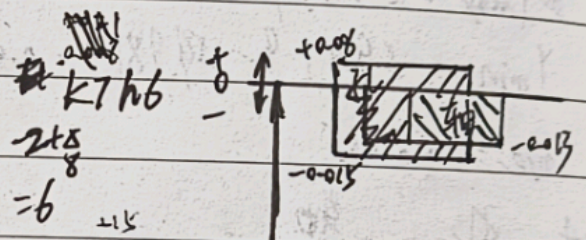
3-6 ~ 3-8

28mm

$X_{max} = -0.013$

$Y_{max} = -0.021$

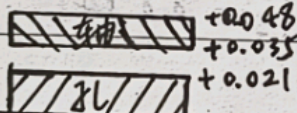
H7/k6
 +2



3-6 +8
 H7/m6



3
 +35
 Ø25



3-7 H7/s6

Ø25

3-8 33
 h8/h8

Ø25

