Example

Basic size $\phi 60mm$

(2) Fits: H7/s6

hole shaft

H7 $60^{0.03}_{0}$ hole

→ Tolerance grade for hole IT7 $\Longrightarrow \Delta D = 0.03$

→ Fundamental deviation: h $\Longrightarrow$ 0

s6 $60^{0.072}_{0.053}$ shaft

→ Tolerance grade for shaft IT6 $\Longrightarrow \Delta d = 0.019$

→ Fundamental deviation: s $\Longrightarrow$ 0.053

- Shafts with transition过渡配合 or interference fits 过盈配合
  - Letter codes k, n, p, s, and u
  - Lower deviation = **fundamental deviation**
  - Upper deviation = lower deviation + tolerance grade

Basic size $\phi 60mm$

(1) Fits: H11/c11

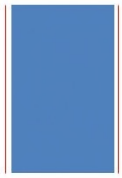
hole shaft

H11 $60^{0.19}_{0}$

→ Tolerance grade for hole IT11 $\Longrightarrow \Delta D = 0.19$

→ Fundamental deviation: h $\Longrightarrow$ 0

- Hole
  - The standard is a hole based standard, so letter code H is always used for the hole
  - Lower deviation = 0 (Therefore D_{min} = 0)
  - Upper deviation = tolerance grade



c11 $60^{-0.14}_{-0.33}$

→ Fundamental deviation: c $\Longrightarrow$ -0.140

→ Tolerance grade for shaft IT11 $\Longrightarrow \Delta d = 0.19$

- Shafts with clearance fits 间隙配合
  - Letter codes c, d, f, g, and h
  - Upper deviation = **fundamental deviation**
  - Lower deviation = upper deviation – tolerance grade