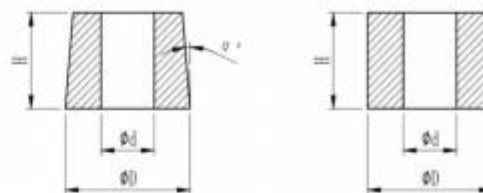


Il metallo duro Cold Heading Dies viene utilizzato sulla macchina per forgiatura a freddo, rendendo i materiali tagliando, riformando, formando allo stampo

## 冷锻模

Cold heading die



## 尺寸公差

Size of tolerance

| 外径<br>Outside Diameter | 牌号         |     |     |           | Grade      |      |      |
|------------------------|------------|-----|-----|-----------|------------|------|------|
|                        | HG6        | HG7 | HD7 | HD8       | HD9        | HD11 | HD12 |
| 外径极限偏差                 |            |     |     | Deviation |            |      |      |
| ∅10~∅30                | +0.3~-+0.6 |     |     |           | +0.3~-+0.6 |      |      |
| ∅30~∅50                | +0.4~-+0.7 |     |     |           | +0.4~-+0.8 |      |      |
| ∅50~∅70                | +0.4~-+0.8 |     |     |           | +0.4~-+1.0 |      |      |

| 内径<br>Inner Diameter | 牌号        |     |     |           | Grade     |      |      |
|----------------------|-----------|-----|-----|-----------|-----------|------|------|
|                      | HG6       | HG7 | HD7 | HD8       | HD9       | HD11 | HD12 |
| 内径极限偏差               |           |     |     | Deviation |           |      |      |
| ∅1~∅10               | -0.2~-0.4 |     |     |           | -0.2~-0.4 |      |      |
| ∅10~∅20              | -0.3~-0.8 |     |     |           | -0.3~-0.8 |      |      |
| ∅20~∅30              | -0.5~-1.0 |     |     |           | -0.8~-1.2 |      |      |
| ∅30~∅40              | -0.8~-1.5 |     |     |           | -1.2~-1.5 |      |      |
| ∅40                  | -1.0      |     |     |           | -1.2      |      |      |

| 高度<br>Height | 牌号         |     |     |           | Grade      |      |      |
|--------------|------------|-----|-----|-----------|------------|------|------|
|              | HG6        | HG7 | HD7 | HD8       | HD9        | HD11 | HD12 |
| 高度极限偏差       |            |     |     | Deviation |            |      |      |
| 10~35        | +0.6~-+1.0 |     |     |           | +0.6~-+1.0 |      |      |
| 35~45        | +0.8~-+1.2 |     |     |           | +0.8~-+1.5 |      |      |
| 45~55        | +1.0~-+1.5 |     |     |           | +1.0~-+1.5 |      |      |
| 55~65        | +1.2~-+1.8 |     |     |           | +1.2~-+1.8 |      |      |

**Raccomandazioni sui voti :**

| 牌号    | 钴含量  | WC<br>晶粒度              | 硬度                      | 密度                                  | 抗弯<br>强度                    | 弹性<br>模量                  | 冲击<br>韧性                                 | 适用范围  |
|-------|------|------------------------|-------------------------|-------------------------------------|-----------------------------|---------------------------|--|---|
| Grade | Co % | Grain Size<br>of WC/um | Hardness<br>HRA<br>±0.5 | Density<br>g/m <sup>3</sup><br>±0.1 | Flexural<br>Strength<br>Mpa | Elastic<br>Modulus<br>Gpa | Impact<br>Toughness<br>J/cm <sup>2</sup> | Applications  |
| HG6   | 15   | 2                      | 86.5                    | 13.95                               | 3000                        | 440                       | 6.4                                      | 耐磨、耐冲击要求比较高的工程齿、冷<br>锻模具。<br>Suitable for Engineering Teeth,Cold<br>Forging Die, with High Wear and<br>Impact Resistance.   |
| HG7   | 18   | 2                      | 85                      | 13.75                               | 2800                        | 410                       | 7.4                                      |   |
| HD9   | 24   | 2                      | 82                      | 13.10                               | 2800                        | 340                       | 10                                       |   |
| HD11  | 21   | 2                      | 84.5                    | 13.45                               | 2800                        | 340                       | 8.2                                      | 具有高韧性、耐冲击性、耐热冲击性等优<br>点，适用于在对冲击性要求比较高的冷<br>间锻造领域。<br>Suitabale for Strict Requirement<br>Cold Forging Area, with High<br>Toughness, Impact Resistance and<br>Heat Resistance. |
| HD12  | 24   | 2                      | 82.5                    | 13.15                               | 2800                        | 340                       | 10.4                                     |   |