



| 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，适用于在对耐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                                     |  |