

| Steel Grade: 25CrMo4 Material No: 1.7218 | | | | | | | | |
|--|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------|--------------------------|-------|----------|
| CHEMICAL COMPOSITION | | | | | | | | |
| C(%) | Si(%) | Mn(%) | P(%) | S(%) | Cr(%) | Mo(%) | Ni(%) | Other(%) |
| 0.22~0.29 | ≤0.40 | 0.60~0.90 | 0.035 | 0.035 | 0.90~1.20 | 0.15~0.30 | — | — |
| HARDNESS AND HEAT TREATMENT | | | | | | | | |
| Hot Working/°C | Annealing/°C | Normalizing/°C | Quench/°C | | Temper/°C | Annealing hardness HBS ≤ | | |
| 1050~850 | 680~720 | 860~900 | 840~870 | Water 850~880 | Oil | 540~680 | 212 | |
| MECHANICAL PROPERTIES | | | | | | | | |
| Size/mm | Tensile Strength σ_b /Mpa | Yield Strength $\sigma_s \geq$ /Mpa | Extensibility δ_5 (%) \geq | Reduction of Area ψ (%) \geq | Ballistic akv/J ^③ | | | |
| ≤16 | 900~1100 | 700 | 12 | 50 | 50 | | | |
| 17~40 | 800~950 | 600 | 14 | 55 | 55 | | | |

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