



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 18CrMo4 | Material No: 1.7243

CHEMICAL COMPOSITION

| C(%) | Si(%) | Mn(%) | P(%) ≤ | S(%) ≤ | Cr(%) | Mo(%) | Ni(%) | Other(%) |
|-----------|-------|-----------|--------|--------|-----------|-----------|-------|----------|
| 0.15~0.21 | ≤0.40 | 0.60~0.90 | 0.035 | 0.035 | 0.90~1.20 | 0.15~0.25 | — | — |

HARDNESS AND HEAT TREATMENT

| Hot Working/°C | Annealing/°C | Carburize/°C | Inside Quench/°C | Surface Quench/°C | Temper/°C | Annealing hardness HBS ≤ |
|----------------|--------------|--------------|------------------|-------------------|-----------|--------------------------|
| 1050~850 | 680~700 | 880~980 | 860~900 | 780~820 Oil | 150~200 | 207 |

INSIDE MECHANICAL PROPERTIES

| Size/mm | Tensile Strength σ_b /MPa | Yield Strength $\sigma_s \geq$ /MPa | Extensibility $\delta_5(\%) \geq$ | Reduction of Area $\psi(\%) \geq$ | Ballistic akv/J |
|---------|------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| φ11 | ≥1000 | — | — | — | — |

From: Jiangyou Hacer Technology Co., Limited
Factory Add: Jiangzhang Road, Jiangyou City, SC, China
Website: <https://www.jhacer.com/>
Email: sales@jhacer.com
Phone: +86-(0)816-3260757
Call: +86-13658128897(WhatsApp)
Fax: +86-(0)816-3260757