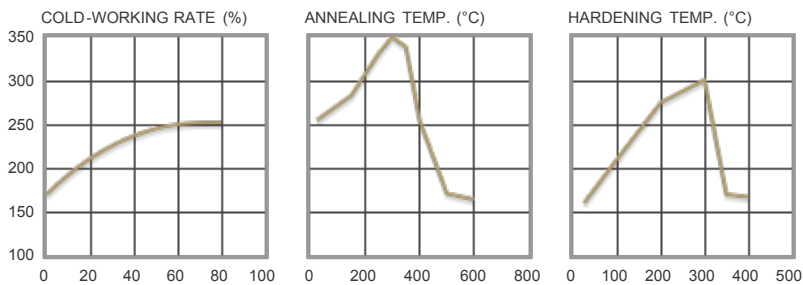


0518 / 18 CT 5N RED GOLD



18 CT 5N RED ALLOY FOR THE MANUFACTURE OF JEWELS, WEDDING RINGS, WATCH CASES AND BRACELETS.

ALLOY RECOMMENDED FOR ALL USES. THE REFINEMENT OF THE GRAIN GUARANTEES A FINE CASTING MICROSTRUCTURE.

HARDENABLE BY HEAT TREATMENT.

Physical properties	Density	Melting range	Colour
	15.1 g/cm <sup>3</sup>	890-905 °C	Red 5N

Mechanical properties	Hardness [HV1]	Rp0.2 [MPa]	Rm [MPa]	A5 [%]
Annealed	170	300	550	40
Cold-worked 75%	250	800	980	1
Hardened	325	850	950	4

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	600	30	N <sub>2</sub> +H <sub>2</sub>	Quench
Hardening	300	60	N <sub>2</sub> +H <sub>2</sub>	Non-critical

**COMPOSITION**

Au 750 ‰  
Ag 45 ‰  
(Cu + add.) 205 ‰

**USES**

- Stamping
- Deep drawing
- Coining ●●●
- Rolling
- Wire drawing
- Drawing ●●●
- Machining ●●●
- Polishing
- Diamond machining ●●●
- Investment casting ●●●

