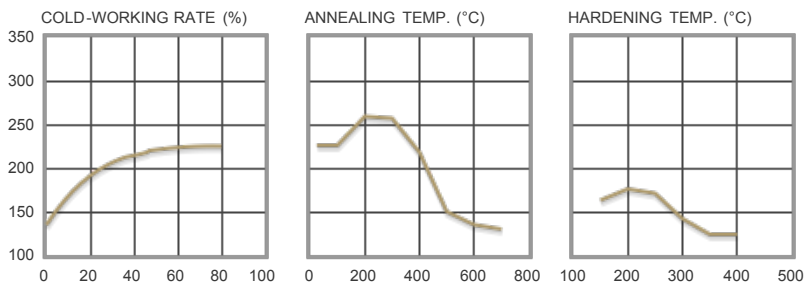


0218 / 18 CT 2N YELLOW GOLD



18 CT 2N PALE YELLOW ALLOY USED IN JEWELLERY AND FOR WATCH CASINGS.
 ALLOY RECOMMENDED FOR ALL USES. THE REFINEMENT OF THE GRAIN
 GUARANTEES A FINE CASTING MICROSTRUCTURE.
 SLIGHTLY HARDENABLE BY HEAT TREATMENT.

Physical properties	Density	Melting range	Colour
	15.6 g/cm ³	895-920 °C	Pale yellow 2N

Mechanical properties	Hardness [HV1]	Rp _{0.2} [MPa]	Rm [MPa]	A ₅ [%]
Annealed	135	280	480	35
Cold-worked 75%	220	720	820	2
Hardened	170	350	550	30

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	600	30	N ₂ +H ₂	Quench
Hardening	260	60	N ₂ +H ₂	Non-critical

COMPOSITION

Au 750 ‰
 Ag 160 ‰
 (Cu + add.) 90 ‰

USES

Stamping
 Deep drawing
 Coining

GOOD ●●●

Rolling
 Wire drawing
 Drawing

GOOD ●●●

Machining

GOOD ●●●

Polishing
 Diamond machining

GOOD ●●●

Investment casting

GOOD ●●●

