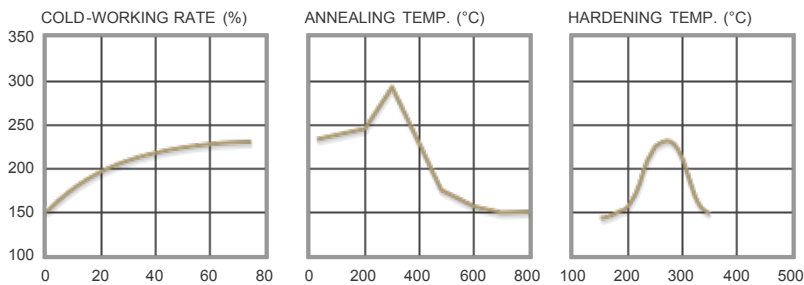


0318 / 18 CT 3N YELLOW GOLD



18 CT 3N YELLOW ALLOY USED IN JEWELLERY AND FOR WATCH CASINGS.
 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
	15.4 g/cm ³	885-895 °C	Yellow 3N

Mechanical properties	Hardness [HV1]	Rp _{0.2} [MPa]	Rm [MPa]	A ₅ [%]
Annealed	150	350	520	40
Cold-worked 75%	225	850	900	2
Hardened	230	600	750	15

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	600	30	N ₂ +H ₂	Quench
Hardening	280	60	N ₂ +H ₂	Non-critical

COMPOSITION

Au 750 ‰
 Ag 125 ‰
 (Cu + add.) 125 ‰

USES

Stamping
 Deep drawing
 Coining
 GOOD ●●●

Rolling
 Wire drawing
 Drawing
 GOOD ●●●

Machining
 GOOD ●●●

Polishing
 Diamond machining
 GOOD ●●●

Investment casting
 GOOD ●●●

