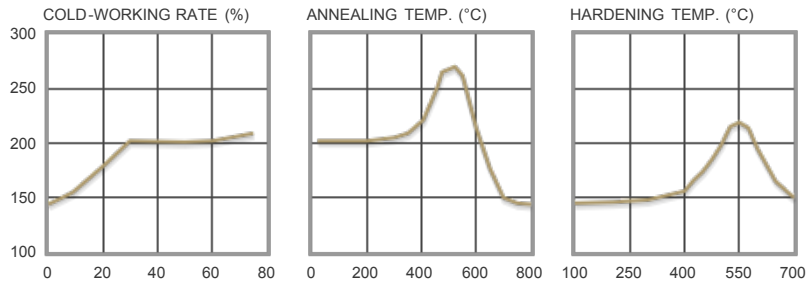


0154 / 18K WHITE GOLD WITHOUT NICKEL



VERY WHITE 18 CT ALLOY WITHOUT NICKEL, WITH HIGH PALLADIUM CONTENT.
DOES NOT REQUIRE RHODIUM-PLATING.
THIS ALLOY IS HARDENABLE THROUGH HEAT TREATMENT.

Physical properties	Density	Melting range	Colour
	16.3 g/cm ³	1200-1295 °C	White

Mechanical properties	Hardness [HV1]	Rp _{0.2} [MPa]	Rm [MPa]	A ₅ [%]
Annealed	145	250	490	35
Cold-worked 75%	210	820	825	2
Hardened	220	540	720	20

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	750	30-45	N ₂ +H ₂	Quench
Hardening	550	60	N ₂ +H ₂	Non-critical

COMPOSITION

Au 750 ‰
Pd 210 ‰
(add.) 40 ‰

USES

Stamping
Deep drawing
Coining

RECOMMENDED ●●●

Rolling
Wire drawing
Drawing

RECOMMENDED ●●●

Machining

SATISFACTORY ●●●

Polishing
Diamond machining

SATISFACTORY ●●●

Investment casting

SATISFACTORY ●●●

