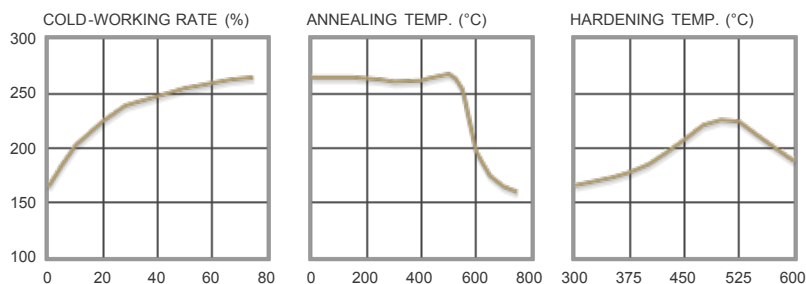


## 0153 / GOLD 18K WHITE WITHOUT NICKEL



18 CT WHITE ALLOY WITHOUT NICKEL, HARDENABLE BY HEAT TREATMENT.

Physical properties	Density	Melting range	Colour
	15.8 g/cm <sup>3</sup>	1020-1095 °C	White

Mechanical properties	Hardness [HV1]	Rp <sub>0.2</sub> [MPa]	Rm [MPa]	A <sub>5</sub> [%]
Annealed	160	370	540	40
Cold-worked 75%	265	860	910	2
Hardened	225	510	680	27

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	700	45	N <sub>2</sub> +H <sub>2</sub>	Quench
Hardening	500	60	N <sub>2</sub> +H <sub>2</sub>	Non-critical

### COMPOSITION

Au 750 ‰  
Pd 130 ‰  
(Cu + add.) 120 ‰

### USES

Stamping  
Deep drawing  
Coining

*SATISFACTORY* ●●●

Rolling  
Wire drawing  
Drawing

*SATISFACTORY* ●●●

Machining

*SATISFACTORY* ●●●

Polishing  
Diamond machining

*SATISFACTORY* ●●●

Investment casting

*SATISFACTORY* ●●●

