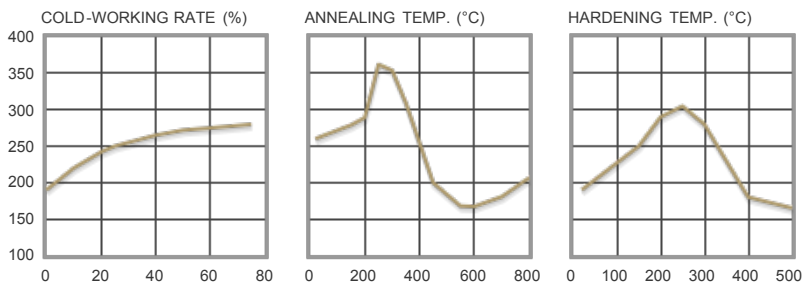


0555 / GOLD 18 CT SPECIAL RED GOLD, FOR UNIVERSAL USE



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

HARDENABLE BY HEAT TREATMENT.

SPECIAL ALLOY DELIVERED HARDENED/STABILISED FOR MACHINING OR SOFT-ANNEALED FOR STAMPING.

COMPOSITION

Au 750 ‰
Ag 5 ‰
Pt 4 ‰
(Cu + add.) 241 ‰

USES

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

Physical properties	Density	Melting range	Colour
	15.1 g/cm ³	920-925 °C	special red

Mechanical properties	Hardness [HV1]	Rp0.2 [MPa]	Rm [MPa]	A5 [%]
Annealed	170-210	480	580	30
Cold-worked 75%	260-300	920	960	0.5
Hardened	250-310	620	950	8

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	650	30	N ₂ +H ₂	Quench
Hardening	250	30	N ₂ +H ₂	Non-critical
Stabilising	650	30	N ₂ +H ₂	Slow

