

Heimerle + Meule GmbH Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com	<h2>Material data</h2>	WKD – 147.585
		Stand: 05/2014

Alloy	Au 585	Pd - free
Item-no.	147 – 585	
Colour	white Mn	
Precious metals	Au 58,5 Ag 31,2	[%]
Density	13,4	[g/cm ³]
Melting range	845 – 920	[°C]

Properties	soft - annealed	
Annealing temperature	650 - 700	[°C]
Atmosphere	reduced atmosphere	
Cooling	water	
Pickling	diluted sulphuric acid or phosphoric acid	
Hardness	150 - 160	[HV]
Solder:		
Pretreatment	deoxidize areas to be soldered	
Treatment	hydrozon	
Flux	boraxin, flux H, partially fluoron	
Cleaning / pickling	diluted sulphuric acid or phosphoric acid, vitrex	

Portrait of alloy

- Hard, white gold alloy
- Ni - and Pd - free
- Excellent workability for jewellery fabrication (high ductility, good cutting properties)
- Do not plate with rhodium
- Ring blanks, delivery hardness: approx. 170 HV
- Because of oxidizing of alloy components special procedures are required during any heat treatment (reducing atmosphere, using flux)

For memoire-rings and tension rings we recommend using our Pd – white gold alloys 131-585 and 136-585.