

**MASTER  
ALLOY**
**YD149U 917‰**

ALL-PURPOSE MASTER ALLOY FOR 750-917‰ (18-22 KT) RED GOLD

**GENERAL INFORMATION**
**General information**

Typology	Master alloy for gold
Color	Red
Color shade	Pinkish yellow
Production process	All-purpose
Grain refinement level	Medium
Deoxidation level	Minimum

**Commercial composition (%)**

CU	81.0
AG	18.0
ZN	1.0

**Melting Temperatures**
**FULL CHARACTERIZATION DATA**
**Color coordinates**

L *	a*	b*	c*	Yellow Index
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**Mechanical characteristics**

As cast hardness [HV 0.2]	80.0
Single step age-hardening hardness [HV 0.2]	80.0

**Product applications**

**CASTING PROCESSING PARAMETERS**
**Pre-melting temperature**

Temperature [°C]

**POURING TEMPERATURES**
**Flask from [°C]**
**Flask to [°C]**
**Metal from [°C]**
**Metal to [°C]**
**MECHANICAL WORKING PARAMETERS**
**Pre-melting temperature**

Temperature [°C]

**Reductions**
**POURING TEMPERATURES**
**Countinous from [°C]**
**Countinous to [°C]**
**Ingot to [°C]**
**Ingot from [°C]**
**Temperatures**
**MECHANICAL WORKING ANNEALING**
**Temp. from [°C]**
**Temp. to [°C]**
**Time [min]**
**Mechanical working quenching**

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**AGE HARDENING PROCESSING PARAMETERS****SINGLE STEP****Temperature [°C]****Time [min]****Quenching****AGE HARDENING**