

	A G	A L	A U	B E	C D	C O	C R	C U	F E	M G	M N	M O	N B	N I	P B	P T	R E	S N	T A	T I	V	W	Z R
AG SILVER		C			C	x	C	C	x		C	x	o	C	C		x	C		C	x	x	
AL ALUMINUM	C			C				C		C					C		o	C			o		
AU GOLD					C	x		C			C	o					o		o		x	o	
BE BERYLLIUM		C			o										o			x	x				
CD CADMIUM	C			o	x	x		x			x	o	o	x	C		o	C	o		o	o	x
CO COBALT	x	C		x	C	C	C		C					C									
CR CHROMIUM	C		x		x	C	C	C		C				C	C	C			C			x	
CU COPPER	C	C			C	C		C			x	C		C			x	C	x		x	x	
FE IRON	x		C		x	C	C	C		x	C	C		C	C								
MG MAGNESIUM		C						x			x	o					o		o	x	o	x	x
MN MANGANESE	C			x	C	C		C			x				C		o					x	
MO MOLYBDENUM	x		C		o			x	C	x	x				x	C		x					
NB Niobium (Columbium)	o		o		o			C		o					o								
NI NICKEL	C			x		C		C							C		x						
PB LEAD	C	C		o	C	C	C	C		C	x	o	C				o	C	o		o	x	
PT PLATINUM						C					C						C						
RE RHENIUM	x	o	o		o			x		o	o			x	o	C		x			x		
SN TIN	C	C		x	C		C	C				x			C		x					x	
TA TANTALUM			o	x	o			x		o					o								C
TI TITANIUM	C									x													C
V VANADIUM	x		x		o		x	x		o					o		x						
W TUNGSTEN	x		o		o		x		x	x					x			x			C		
ZR ZIRCONIUM					x				x										C				



SOLID SOLUBILITY EXISTS IN ALL ALLOY COMBINATIONS.
VERY DESIRABLE COMBINATIONS.



COMPLEX STRUCTURES MAY EXIST.
PROBABLY ACCEPTABLE COMBINATION.



INSUFFICIENT DATA FOR PROPER EVALUATION.
USE WITH CAUTION.



NO DATA AVAILABLE.
USE WITH EXTREME CAUTION.



INTERMETALLIC COMPOUNDS FORMED.
UNDESIRABLE COMBINATION.



N/A