

Copper casting alloys ranked by machinability

UNS Number	Machinability Rating	UNS Number	Machinability Rating	UNS Number	Machinability Rating	UNS Number	Machinability Rating	UNS Number	Machinability Rating	
C36000 ⁽¹⁾	100	C92800	70	C87400	50	C81700	30	C81300	20	
C83800	90	C93200		C87500		C82000		C81400		
C84400		C93400		C94800 ⁽²⁾		C82200		C81500		
C84500		C93500		C95500		C82400		C81800		
C84800		C97300		C95700		C82500		C90200		
C83600	84	C97600	C99400	C82600	C90700					
C84200	80	C86400	65	C99500	C82700	C90900		C91000		C91600
C85200		C83400	60	2011-T3 (Al) ⁽¹⁾	C82800	C91700		C94700 ⁽³⁾		C95200
C85400		C95400	60	C92700	45	C85300		C95800		C96400
C85500		C95410	60	C92200	42	C86100		C96500		C96600
C85700		C95600	60	C92300		C86200	C96300	C99300		
C85800		C97400	55	C87300	40	C86800	C90500	C96300	15	
C93700		C97800		C87600		C92500	C90300	C96300	15	
C93800		C86700		C87800		C94700 ⁽²⁾	C90500	C96300	15	
C93900		C95300		C92600		C86500	C92500	C96300	15	
C94300		C95300		C92900		26	C94700 ⁽²⁾	C96300	15	
C94400	C95300	C94800 ⁽³⁾	21	C86500	C96300	15				
C94500	C95300	C83300	35	12L14 (Steel) ⁽¹⁾	C96300	15	C80100	10		
C99700	C95300	C83300	35		C96300	15	C81100			
C99750	C95300	C83300	35		C96300	15	C91100			
								C91300		
								C96200		
								C86800	8	
								C86300		

⁽¹⁾ Shaded areas identify wrought products included for comparison.

⁽²⁾ M01 Temper

⁽³⁾ TF00 Temper