

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		C92700	45	C85300		C95800		C96400
C85500		C95410		C92200	42	C86100		C96500		C96600
C85700		C95600		C92300		C86200	C96300	C96300		
C85800		C97400	55	C87300	40	C86800	C95000	C95800	C96400	
C85900		C97800		C87600		C92500	C95200	C96500	C96600	
C86300		C86700		C87800		C94700 ⁽²⁾	C96500	C96300	C96300	
C86400	C95300	C92600	40	C86500		26	C96300	15	C80100	
C86500	35	C92900	C87800	12L14 (Steel) ⁽¹⁾	21	C80100	10	C81100		
C86600		C94800 ⁽³⁾	C92600	C87800	C81100					
C86700		C83300	C92900	C87800	C91100					
C86800		C83300	C94800 ⁽³⁾	C87800	C91300					
C86900		C83300	C83300	C87800	C91300	8	C96200			
C87000		C83300	C83300	C87800	C96200					
C87100		C83300	C83300	C87800	C86800					
C87200	C83300	C83300	C87800	C86300	8	C86300				

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

⁽²⁾ M01 Temper

⁽³⁾ TF00 Temper