



Formability of Aluminum Alloy

Aluminium Alloy Designation System (CEN)

		Major alloying element	Atoms in solution	Work hardening	Precipitation hardening	
WROUGHT ALLOYS*)	1XXX	None (min.99.00%Al)		X		Non-heat treatable alloys
	3XXX	Mn	X	X		
	4XXX	Si	X	X		
	5XXX	Mg	X	X		
EN AW-	2XXX	Cu	X	(X)	X	Heat treatable alloys
	6XXX	Mg+Si	X	(X)	X	
	7XXX	Zn	X	(X)	X	
	8XXX	Other	X	(X)	X	

[Aluminum Bending Process](#): One of aluminum's most remarkable attributes is its formability, and one of the primary methods for shaping this metal to your desired configuration is through bending. During the aluminum bending process, mechanical force is employed to transform the material into various shapes. However, it's important to note that not all aluminum alloys and temper conditions are equally suited for bending.