

FASTENERS

Aluminium Fasteners Specifications

		Aluminium 7075 - AZ5GU Al Zn 6 Mg Cu High Tensile Alloy	Aluminium 6060-AGS Al Mg Si Heavy Duty		
Finish		Clear Anodised or Potassium Bichromate	Clear Finish		
Chemical Composition	Zn	5,1/6	≤0,0.15		
	Mg	2,1/2,8	0.30/0.60		
	Cu	1.2/1.8	≤0.10		
	Fe	≤0.5	0.10/0.30		
	Si	≤0.4	0.30/0.60		
	Mn	≤0.2	≤0.10		
	Cr	≤0.18/0.35	≤0.05		
	Ti	≤0.2	≤0.10		
Heat Treatment		T6 (Machine Screws)	T73 (Hex & Socket Head Screws)	T8	
Mechanical Characteristics	Tensile Strength	550/600Mpa	490/560Mpa	300/350Mpa	
	Yield Strength 0.2%	490/530Mpa	420/480Mpa	260/300Mpa	
	Elongation	12/15%	11/15%	8/10%	
	Brinell Hardness	160/180	154/169	95/105	
	Elasticity Modulus	72000 Mpa	72000 Mpa	67000 Mpa	
		(m. da N)	(m. da N)	(m. da N)	
Maximum Tightening Torque	The use of a torque wrench is strongly recommended	3	0.06	-	-
		4	0.16	-	0.11
		5	0.30	-	0.19
		6	0.50	-	0.33
		8	1.25	1	0.80
		10	-	2	1.70
		12	-	4	3.20
		14	-	6	-
		16	-	9	-
		18	-	11	-
		20	-	15	-
		22	-	21	-
		24	-	28	-
27	-	40	-		

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