



# Haas Fastener Torque Specifications

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## INTRODUCTION

This document contains torque specifications for fasteners used in Haas machines.

For torque specifications on ballscrew components refer to [Ballscrew - Installation Tools and Torque Specifications](#).

### SAE ( inch ) Fastener Torque Specifications

Thread	SAE ( inch )				SI ( metric )			
	into Steel		into Aluminum, Iron		into Steel		into Aluminum, Iron	
	in-lb	ft-lb	in-lb	ft-lb	N-cm	N-m	N-cm	N-m
#4-40	10		6		113		68	
#6-32	20		12		226		136	
#8-32	30		20		339		226	
#10-32	40		25		452		282	
1/4-20		12		8		16		11
1/4-28		15		8		20		11
5/16-18		25		15		34		20
5/16-24		25		15		34		20
3/8-16		45		25		61		34
3/8-24		50		30		68		41
7/16-14		70		45		95		61
7/16-20		70		45		95		61
1/2-13		80		50		108		68
1/2-20		110		65		149		88
5/8-11		200		125		271		170
3/4-10		275		225		373		305
1-8		450		375		610		509
1 1/2-6		600				814		

### SI ( metric ) Fastener Torque Specifications

Thread	SAE ( inch )				SI ( metric )			
	into Steel		into Aluminum, Iron		into Steel		into Aluminum, Iron	
	in-lb	ft-lb	in-lb	ft-lb	N-cm	N-m	N-cm	N-m
M3	12		8		136		90	
M4	40		25		452		282	
M5		6		4		8		5
M6		10		6		14		8
M8		30		20		41		27
M10		50		30		68		41
M12		100		60		136		81