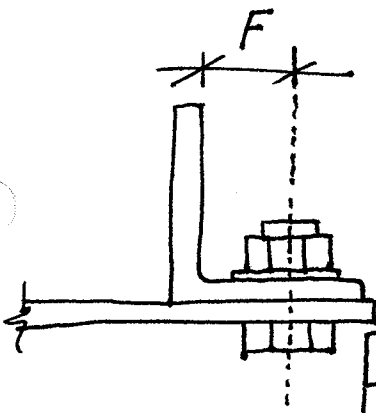


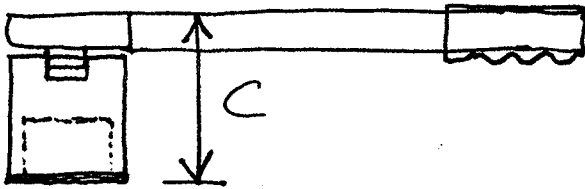
# Bolt Clearance F



	Clearance F (inches)							
	High Strength Bolt Diameter (inches)							
	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
"Impact Wrench"	1	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 3/4	1 7/8
"Installation Tool"	1 1/4	1 3/8	1 3/8	1 3/8	NA	NA	NA	NA

Based on ASD 9th Edition page 4-137 to 4-138

# Clearance for Socket and Wrench



High Strength Bolts								
Diameter	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
* C (in.)	2 1/4	2 5/16	2 5/16	2 3/8	2 7/16	2 9/16		

\* Approximate