

Note: This Drawing is the property of Kapil Enterprises-Kundli, and must not be copied or reproduced without permission or Written authorisation by Kapil Enterprises-Kundli

1	2	3	4	5		
Drawing No		KE-BASE-2211-00144-B18.2.1-A307-B-2.3/4x4.1/2				
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per A 307			
Grade		B	Size	2.3/4"x4.1/2"		
Title		Hex Bolt	Dated	11.05.2018		
Thread per inch (TPI)		8 UNC	Mass/Weight	6.210 kg/piece		
Amendment						
Revision No.		Details	Dated	Remarks		
<div style="display: flex; justify-content: space-between;"> Hex Bolt ASME B18.2.1 M-2.3/4"x4.1/2" </div> <p style="text-align: center;">Note: a. $\beta = 15^\circ$ to 30° b. Incomplete thread $\mu \leq 2P$. c. Reference datum for d_w. d. Maximum underhead fillet.</p> <p style="text-align: center;">'X' Enlarge View</p>						
		Dimension in Inch		Dimension in mm		
Parameters		Symbol	Minimum	Maximum	Minimum	
		Maximum	Minimum	Maximum	Maximum	
Head thickness		H	1.632	1.744	41.45	
Width A/F		F	3.988	4.125	101.30	
Width A/C		G	4.546	4.763	115.47	
Shank diameter		E	NA	NA	NA	
Major diameter		D	2.733	2.748	69.41	
Pitch diameter		D1	2.658	2.666	67.51	
Minor diameter		D2	2.594	-	65.89	
Threading length		LT	Full thread	Full thread	Full thread	
Shank length		LB	NA	NA	NA	
Total Shank length		Lg	NA	NA	NA	
Total length of bolt		L	4.431	4.568	112.55	
d_a		d_a	-	2.940	74.68	
d_w		d_w	3.712	-	94.28	
Radius of fillet		r	0.060	0.095	1.52	
c		c	0.015	0.035	0.38	
Chamfer		b	0.000	0.512	0.00	
Maximum Total Runout of Bearing Surface FIM (Specified proof load)		Ψ	0.072 max.			
		Kapil Enterprises 330 EHTP, HSIIDC, Kundli Industrial Estate Sonepat - Haryana-131028, Ph:9811009061 Email:sales@bigboltnut.com, kapil@roll-fast.com		 Drawn By Pankaj Kumar (Ass. QC Manager)	 Checked By Santosh Kumar (Plant Head-GM)	 Approved By Kapil Aggarwal CEO-MD
1	2	3	4	5		