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1	2	3	4	5	
Drawing No		KE-BASE-2211-00073-B18.2.1-A307-B-1.3/8x3.1/4			
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per A 307		
Grade		B	Size	1.3/8"x3.1/4"	
Title		Hex Bolt	Dated	11.05.2018	
Thread per inch (TPI)		8 UNC	Mass/Weight	0.912 kg/piece	
Amendment					
Revision No.		Details	Dated	Remarks	
<div style="display: flex; justify-content: space-between;"> Hex Bolt ASME B18.2.1 M-1.3/8"x3.1/4" </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
Head thickness		H	0.810	0.878	20.57
Width A/F		F	1.994	2.062	50.65
Width A/C		G	2.273	2.382	57.73
Shank diameter		E	NA	NA	NA
Major diameter		D	1.358	1.373	34.49
Pitch diameter		D1	1.284	1.292	32.62
Minor diameter		D2	1.219	-	30.97
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	3.191	3.309	81.05
d_a		d_a	-	1.565	39.75
d_w		d_w	1.856	-	47.14
Radius of fillet		r	0.060	0.095	1.52
c		c	0.015	0.035	0.38
Chamfer		b	0.000	0.276	0.00
Maximum Total Runout of Bearing Surface FIM (Specified proof load)		Ψ	0.036 max.		
		Kapil Enterprises 330 EHTP, HSIIDC, Kundli Industrial Estate Sonapat - 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	
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