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1	2	3	4	5		
Drawing No		KE-BASE-2211-00081-B18.2.1-A307-B-1.3/8x7				
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per A 307			
Grade		B	Size	1.3/8"x7"		
Title		Hex Bolt	Dated	11.05.2018		
Thread per inch (TPI)		8 UNC	Mass/Weight	1.580 kg/piece		
Amendment						
Revision No.		Details	Dated	Remarks		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Hex Bolt ASME B18.2.1 M-1.3/8"x7"</p> </div> <div style="text-align: center;"> <p>'X' Enlarge View</p> </div> </div> <p>Note: a. $\beta = 15^\circ$ to 30° b. Incomplete thread $\mu \leq 2P$. c. Reference datum for dw. d. Maximum underhead fillet.</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	1.363	1.375	34.62	
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	3.250	3.289	82.55	
Shank length		LB	3.040	-	77.22	
Total Shank length		LG	-	3.750	95.25	
Total length of bolt		L	6.921	7.078	175.80	
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 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
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