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1	2	3	4	5		
Drawing No		KE-BASE-2211-00158-B18.2.1-A307-B-3x8				
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per	A 307		
Grade		B	Size	3"x8"		
Title		Hex Bolt	Dated	11.05.2018		
Thread per inch (TPI)		8 UNC	Mass/Weight	10.560 kg/piece		
Amendment						
Revision No.	Details	Dated	Remarks	Authorised by		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Hex Bolt ASME B18.2.1 M-3"x8"</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 d_w. d. Maximum underhead fillet.</p>						
		Dimension in Inch		Dimension in mm		
Parameters		Symbol	Minimum	Maximum	Maximum	
Head thickness		H	1.815	1.935	46.10	
Width A/F		F	4.350	4.500	110.49	
Width A/C		G	4.959	5.196	125.96	
Shank diameter		E	2.988	3.000	75.90	
Major diameter		D	2.982	2.997	75.75	
Pitch diameter		D1	2.908	2.916	73.86	
Minor diameter		D2	2.844	-	72.24	
Threading length		L _T	6.500	6.539	165.10	
Shank length		L _B	0.673	-	17.10	
Total Shank length		L _G	-	1.500	38.10	
Total length of bolt		L	7.921	8.079	201.20	
d _a		d _a	-	3.190	81.03	
d _w		d _w	4.050	-	102.87	
Radius of fillet		r	0.060	0.095	1.52	
c		c	0.015	0.035	0.38	
Chamfer		b	0.000	0.591	0.00	
Maximum Total Runout of Bearing Surface FIM (Specified proof load)		Ψ	0.079 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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