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1	2	3	4	5			
Drawing No		KE-BASE-2211-00033-B18.2.1-A307-B-7/8x5					
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per A 307				
Grade		B	Size	7/8"x5"			
Title		Hex Bolt	Dated	11.05.2018			
Thread per inch (TPI)		9 UNC	Mass/Weight	0.452 kg/piece			
Amendment							
Revision No.		Details	Dated	Remarks			
				Authorised by			
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> <p><b>Hex Bolt ASME B18.2.1 M-7/8"x5"</b></p> </div> </div> <p style="text-align: center;">Note:</p> <ol style="list-style-type: none"> <li><math>\beta = 15^\circ</math> to <math>30^\circ</math></li> <li>Incomplete thread <math>\mu \leq 2P</math>.</li> <li>Reference datum for <math>d_w</math></li> <li>Maximum underhead fillet.</li> </ol> <p style="text-align: center;">'X' Enlarge View</p>							
		<b>Dimension in Inch</b>		<b>Dimension in mm</b>			
<b>Parameters</b>		<b>Symbol</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Minimum</b>		
					<b>Maximum</b>		
Head thickness		H	0.531	0.563	13.49	14.30	
Width A/F		F	1.285	1.312	32.64	33.33	
Width A/C		G	1.465	1.516	37.21	38.51	
Shank diameter		E	0.866	0.875	22.00	22.23	
Major diameter		D	0.859	0.873	21.82	22.18	
Pitch diameter		D1	0.795	0.801	20.18	20.34	
Minor diameter		D2	0.737	-	18.72	-	
Threading length		LT	2.000	2.039	50.80	51.80	
Shank length		LB	2.440	-	61.98	-	
Total Shank length		LG	-	3.000	-	76.20	
Total length of bolt		L	4.921	5.078	125.00	129.00	
da		da	-	1.005	-	25.53	
dw		dw	1.181	-	29.99	-	
Radius of fillet		r	0.040	0.065	1.02	1.65	
c		c	0.015	0.035	0.38	0.89	
Chamfer		b	0.000	0.197	0.00	5.00	
Maximum Total Runout of Bearing Surface FIM (Specified proof load)		$\Psi$	0.023 max.				
		<p><b>Kapil Enterprises</b>            330 EHTP, HSIIDC, Kundli Industrial Estate            Sonapat - Haryana-131028, Ph:9811009061            Email:sales@bigboltnut.com, kapil@roll-fast.com</p>					
		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			