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1	2	3	4	5		
Drawing No		KE-BASE-2211-00095-B18.2.1-A307-B-1.1/2x8				
Dimension as per		ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per A 307			
Grade		B	Size	1.1/2"x8"		
Title		Hex Bolt	Dated	11.05.2018		
Thread per inch (TPI)		8 UNC	Mass/Weight	2.150 kg/piece		
Amendment						
Revision No.		Details	Dated	Remarks		
<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-1.1/2"x8"</b></p> </div> </div>						
<p>Note:</p> <ul style="list-style-type: none"> <li>a. <math>\beta = 15^\circ</math> to <math>30^\circ</math></li> <li>b. Incomplete thread <math>\mu \leq 2P</math>.</li> <li>c. Reference datum for <math>d_w</math></li> <li>d. Maximum underhead fillet.</li> </ul>						
<p>'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	0.902	0.974	22.91	24.74
Width A/F		F	2.175	2.250	55.25	57.15
Width A/C		G	2.480	2.598	62.99	65.99
Shank diameter		E	1.488	1.500	37.80	38.10
Major diameter		D	1.483	1.498	37.66	38.04
Pitch diameter		D1	1.409	1.417	35.80	35.98
Minor diameter		D2	1.344	-	34.15	-
Threading length		LT	3.500	3.539	88.90	89.90
Shank length		LB	3.670	-	93.22	-
Total Shank length		LG	-	4.500	-	114.30
Total length of bolt		L	7.981	8.079	201.20	205.20
$d_a$		$d_a$	-	1.690	-	42.93
$d_w$		$d_w$	2.025	-	51.44	-
Radius of fillet		r	0.060	0.095	1.52	2.41
c		c	0.015	0.035	0.38	0.89
Chamfer		b	0.000	0.315	0.00	8.00
Maximum Total Runout of Bearing Surface FIM (Specified proof load)		$\Psi$	0.039 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		