

Note: This Drawing is the property of Kapil Enterprises-Kundli, and must not be copied or reproduced without permission or Written authorisation by Kapil Enterprises-Kundli

1	2	3	4	5																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Drawing No</td> <td colspan="4">KE-BASE-2211-00047-B18.2.1-A307-B-1x6</td> </tr> <tr> <td>Dimension as per</td> <td>ASME B18.2.1 (Table -6)</td> <td colspan="2">Chemical & Mechanical properties as per</td> <td>A 307</td> </tr> <tr> <td>Grade</td> <td>B</td> <td>Size</td> <td>1"x6"</td> <td>Status- Approved</td> </tr> <tr> <td>Title</td> <td>Hex Bolt</td> <td>Dated</td> <td>11.05.2018</td> <td rowspan="2">Proj. </td> </tr> <tr> <td>Thread per inch (TPI)</td> <td>8 UNC</td> <td>Mass/Weight</td> <td>0.699 kg/piece</td> </tr> </table>					Drawing No	KE-BASE-2211-00047-B18.2.1-A307-B-1x6				Dimension as per	ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per		A 307	Grade	B	Size	1"x6"	Status- Approved	Title	Hex Bolt	Dated	11.05.2018	Proj.	Thread per inch (TPI)	8 UNC	Mass/Weight	0.699 kg/piece
Drawing No	KE-BASE-2211-00047-B18.2.1-A307-B-1x6																											
Dimension as per	ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per		A 307																								
Grade	B	Size	1"x6"	Status- Approved																								
Title	Hex Bolt	Dated	11.05.2018	Proj.																								
Thread per inch (TPI)	8 UNC	Mass/Weight	0.699 kg/piece																									
Amendment																												
Revision No.	Details	Dated	Remarks	Authorised by																								
<h3 style="margin: 0;">Hex Bolt ASME B18.2.1 M-1"x6"</h3> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <div style="margin-top: 20px;"> <p>Note:</p> <p>a. $\beta = 15^\circ$ to 30°</p> <p>b. Incomplete thread $\mu \leq 2P$.</p> <p>c. Reference datum for d_w</p> <p>d. Maximum underhead fillet.</p> </div> <div style="text-align: right; margin-top: 20px;"> <p style="text-align: center;">'X' Enlarge View</p> </div>																												
		Dimension in Inch		Dimension in mm																								
Parameters	Symbol	Minimum	Maximum	Minimum	Maximum																							
Head thickness	H	0.591	0.627	15.01	15.93																							
Width A/F	F	1.469	1.500	37.31	38.10																							
Width A/C	G	1.675	1.732	42.55	43.99																							
Shank diameter	E	0.990	1.000	25.15	25.40																							
Major diameter	D	0.983	0.998	24.97	25.35																							
Pitch diameter	D1	0.910	0.917	23.11	23.29																							
Minor diameter	D2	0.845	-	21.45	-																							
Threading length	LT	2.250	2.289	57.15	58.15																							
Shank length	LB	3.120	-	79.25	-																							
Total Shank length	LG	-	3.75	-	95.25																							
Total length of bolt	L	5.921	6.078	150.40	154.40																							
d_a	d_a	-	1.190	-	30.23																							
d_w	d_w	1.350	-	34.29	-																							
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	0.236	0.00	6.00																							
Maximum Total Runout of Bearing Surface FIM (Specified proof load)	Ψ	0.026 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																							
1	2	3	4	5																								