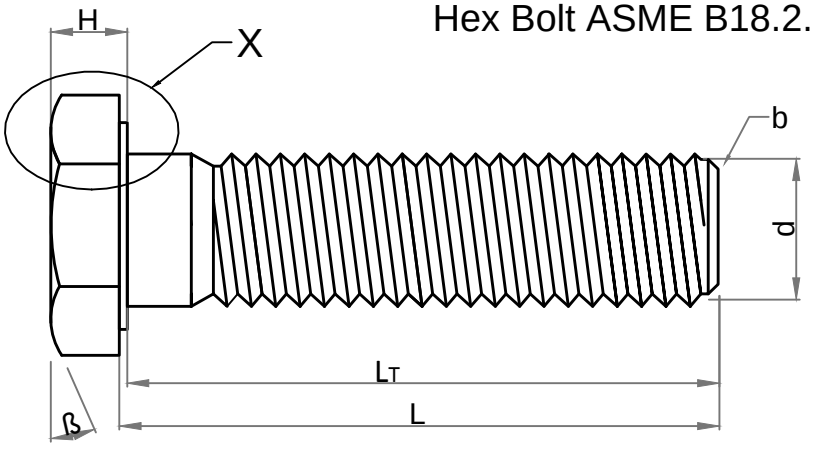
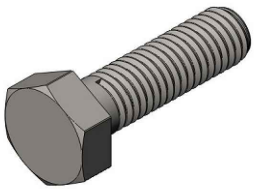
Drawing No	KE-BASE-2211-00125-B18.2.1-A307-B-2.1/4x4.1/2			
Dimension as per	ASME B18.2.1 (Table -6)	Chemical & Mechanical properties as per		A 307
Grade	B	Size	2.1/4"x4.1/2"	Status- **Approved**
Title	Hex Bolt	Dated	11.05.2018	Proj.
Thread per inch (TPI)	8 UNC	Mass/Weight	3.690 kg/piece	

Amendment

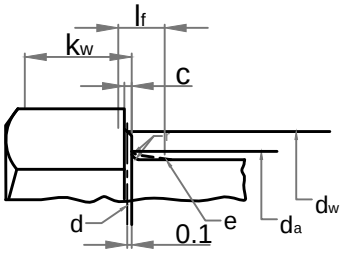
Revision No.	Details	Dated	Remarks	Authorised by

Hex Bolt ASME B18.2.1 M-2.1/4"x4.1/2"





Note:
a. ß= 15° to 30°
b. Incomplete thread μ ⩽ 2P.
c. Reference datum for d_w .
d. Maximum underhead fillet.



'X' Enlarge View

		Dimension in Inch		Dimension in mm	
Parameters	**Symbol**	Minimum	Maximum	Minimum	Maximum
Head thickness	H	1.327	1.423	33.71	36.14
Width A/F	F	3.262	3.375	82.86	85.73
Width A/C	G	3.719	3.897	94.46	98.98
Shank diameter	E	NA	NA	NA	NA
Major diameter	D	2.233	2.248	56.71	57.09
Pitch diameter	D1	2.158	2.166	54.82	55.03
Minor diameter	D2	2.094	-	53.19	-
Threading length	L_T	Full thread	Full thread	Full thread	Full thread
Shank length	L_B	NA	NA	NA	NA
Total Shank length	L_G	NA	NA	NA	NA
Total length of bolt	L	4.431	4.568	112.55	116.05
da	da	-	2.440	-	61.98
dw	dw	3.037	-	77.15	-
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	0.433	0.00	11.00
Maximum Total Runout of Bearing Surface FIM (Specified proof load)	Ψ	0.059 max.			

Kapil Enterprises
330 EHTP, HSIIDC, Kundli Industrial Estate
Sonepat - Haryana-131028, Ph:9811009061
Email:sales@bigboltnut.com, kapil@roll-fast.com

Drawn By	Checked By	Approved By
Pankaj Kumar (Ass. QC Manager)	Santosh Kumar (Plant Head-GM)	Kapil Aggarwal CEO-MD