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All Dimension is in mm



Note:

- a.  $\beta = 15^\circ$  to  $30^\circ$
- b. Point shall be chamfered on for threads  $< M4$  may be as-rolled (sheared end) in accordance with ISO 4753.
- c. Incomplete thread  $\mu < 2P$ .
- d. Reference datum for  $d_w$ .
- e. Maximum underhead fillet.



### Hex Bolt DIN EN 14399-4 M-56x160

'X' Enlarge View

Parameters	Symbol	Minimum	Maximum
Raw material diameter	D	56.50	57.50
Head thickness	k	33.75	36.25
Width A/F	s	87.80	90.00
Width A/C	e	99.20	-
Shank diameter	ds	54.80	57.20
Major diameter	D	55.36	55.92
Pitch diameter	D1	52.09	52.35
Minor diameter	D2	-	49.97
Threading length	(b)	90.00	101.50
Shank length	ls	53.50	-
Total Shank length	lg	-	70.00
Total length of bolt	l	158.00	162.00
da	da	-	64.20
dw	dw	83.40	-
Radius of fillet	r	3.50	-
c	c	0.50	1.00
Chamfer	b	0.00	11.00
Amendment			
Details	Revision No.	Dated	Authorised by

Drawing No.- <b>KE-BASE-1133-00088-14399.4-898.1-10.9-56x160</b>		
Dimension as per	DIN EN 14399-4	
Mechanical properties as per	ISO 898-1	
Grade	10.9	
Size	56x160	
Pitch	5.50	
Title	Hex Bolt	Status- <b>Approved</b>
Dated	21.04.2018	Proj.
Mass/Weight	4.701 kg/piece	
Drawn By Pankaj Kumar (Ass. QC Manager)	Checked By Santosh Kumar (Plant Head-GM)	Approved By Kapil Aggarwal CEO-MD
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