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All Dimension is in mm



Note:

- a. $\beta = 15^\circ$ to 30°
- 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-36x190

'X' Enlarge View

Parameters	Symbol	Minimum	Maximum
Raw material grade	G		
Raw material diameter	D	36.50	37.50
Head thickness	k	21.95	24.05
Width A/F	s	58.80	60.00
Width A/C	e	66.44	-
Shank diameter	ds	35.00	37.00
Major diameter	D	35.46	35.94
Pitch diameter	D1	33.12	33.34
Minor diameter	D2	-	31.61
Threading length	(b)	52.00	59.00
Shank length	ls	126.00	-
Total Shank length	lg	-	138.00
Total length of bolt	l	188.00	192.00
da	da	-	41.00
dw	dw	55.90	-
Radius of fillet	r	2.00	-
c	c	0.40	0.80
Chamfer	b	0.00	8.00
Amendment			
Details	Revision No.	Dated	Authorised by

Drawing No.- KE-BASE-1133-00027-14399.4-898.1-10.9-36x190		
Dimension as per	DIN EN 14399-4	
Mechanical properties as per	ISO 898-1	
Grade	10.9	
Size	36x190	
Pitch	4.00	
Title	Hex Bolt	Status- Approved
Dated	17.04.2018	Proj.
Mass/Weight	1.984 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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