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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-45x300

'X' Enlarge View

| Parameters | Symbol | Minimum | Maximum |
|-----------------------|--------|---------|---------|
| Raw material diameter | D | 45.50 | 46.50 |
| Head thickness | k | 26.95 | 29.05 |
| Width A/F | s | 73.10 | 75.00 |
| Width A/C | e | 82.60 | - |
| Shank diameter | ds | 44.00 | 46.00 |
| Major diameter | D | 44.44 | 44.94 |
| Pitch diameter | D1 | 41.78 | 42.01 |
| Minor diameter | D2 | - | 40.07 |
| Threading length | (b) | 76.00 | 84.50 |
| Shank length | ls | 210.50 | - |
| Total Shank length | lg | - | 224.00 |
| Total length of bolt | l | 297.40 | 302.60 |
| da | da | - | 52.00 |
| dw | dw | 69.45 | - |
| Radius of fillet | r | 3.00 | - |
| c | c | 0.50 | 1.00 |
| Chamfer | b | 0.00 | 9.00 |

| | | |
|--|--|---|
| Drawing No.- KE-BASE-1133-00073-14399.4-898.1-10.9-45x300 | | |
| Dimension as per | DIN EN 14399-4 | |
| Mechanical properties as per | ISO 898-1 | |
| Grade | 10.9 | |
| Size | 45x300 | |
| Pitch | 4.50 | |
| Title | Hex Bolt | Status- Approved |
| Dated | 18.04.2018 | Proj. |
| Mass/Weight | 4.634 kg/piece | |
| Drawn By Pankaj Kumar (Ass. QC Manager) | Checked By Santosh Kumar (Plant Head-GM) | Approved By Kapil Aggarwal CEO-MD |
| | | |
| Kapil Enterprises 330 EHTP, HSIIDC, Kundli Industrial Estate Sonapat - Haryana-131028, Ph:9811009061 Email:sales@bigboltnut.com, kapil@roll-fast.com | | |

| Amendment | | | |
|-----------|--------------|-------|---------------|
| Details | Revision No. | Dated | Authorised by |
| | | | |