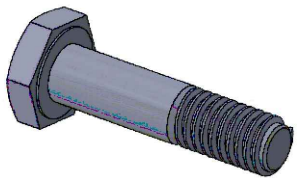
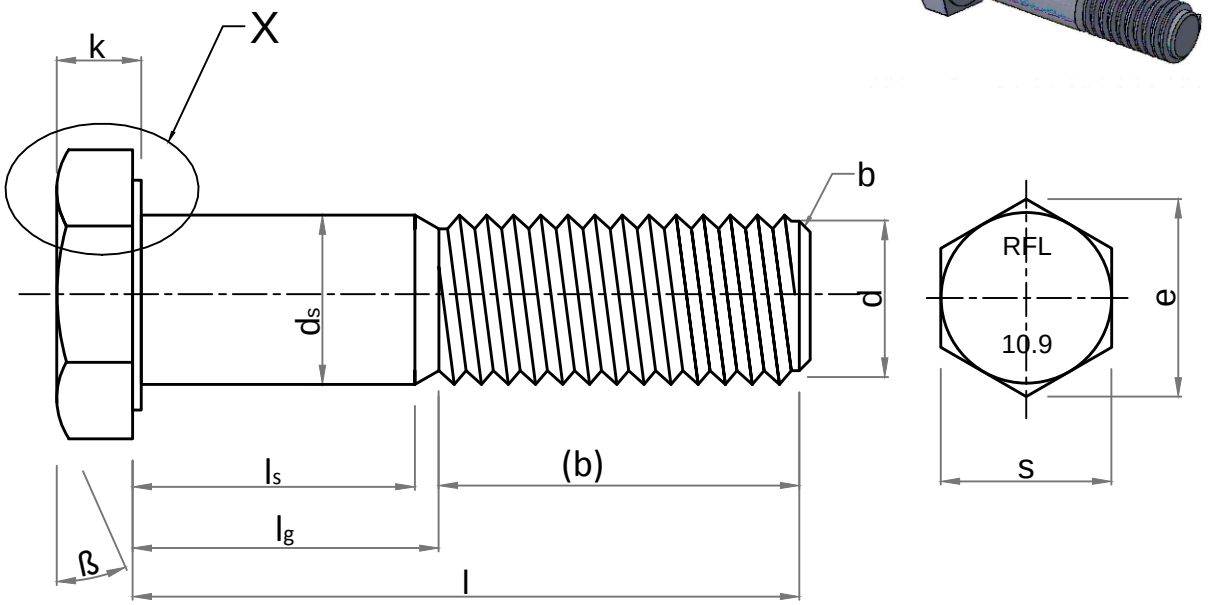
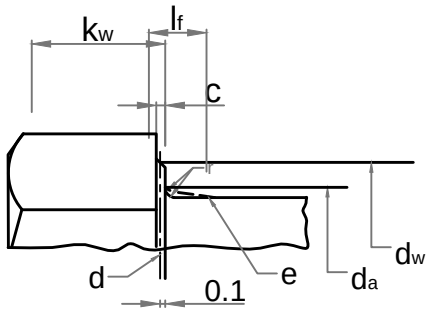
Note: This Drawing is the property of Kapil Enterprises-Kundli, and must not be copied or reproduced without permission or Written authorisation by Kapil Enterprises-Kundli

All Dimension is in mm






Note:
a. ß= 15° 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 μ ≤ 2P.
d. Reference datum for $d_w$.
e. Maximum underhead fillet.




'X' Enlarge View

# Hex Bolt DIN EN 14399-4 M-45x170

| 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 | 80.50 | - |
| Total Shank length | lg | - | 94.00 |
| Total length of bolt | l | 168.00 | 172.00 |
| 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 |

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

| | | |
|---|---|---|
| Drawing No.- | KE-BASE-1133-00065-14399.4-898.1-10.9-45x170 | |
| Dimension as per | | DIN EN 14399-4 |
| Mechanical properties as per | | ISO 898-1 |
| Grade | | 10.9 |
| Size | | 45x170 |
| Pitch | | 4.50 |
| Title | Hex Bolt | Status- **Approved** |
| Dated | 18.04.2018 | Proj. |
| Mass/Weight | 3.011 kg/piece | |
| Drawn By Pankaj Kumar (Ass. QC Manager) | Checked By Santosh Kumar (Plant Head-GM) | Approved By Kapil Aggarwal CEO-MD |

**Kapil Enterprises**
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