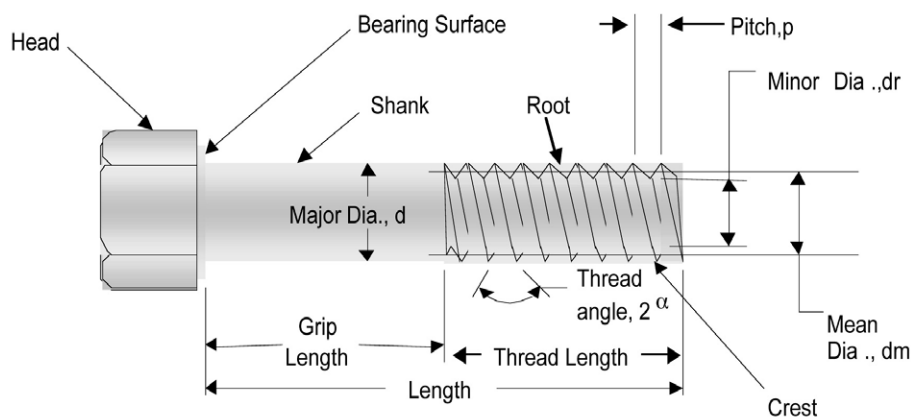
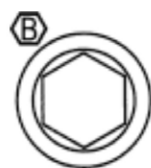


Cylinder Head Bolt Tightening Tips

- Inspect bolts and holes for cleanliness, damage and correct length/depth.
- Ensure blind holes are free of debris.
- Replace stretch bolts in accordance with the engine manufacturer's guidelines.
- Avoid excessive use of lubricant, sealant or adhesive on bolt threads & "blind" bolt-holes to alleviate the possibility of hydraulic lock and incorrect torque.
- Ensure that the joint surfaces are clean and free of oil.
- Torque the bolts using the recommended sequence.
- Stop! Pulling the torque wrench when it clicks.
- Use a degree wheel when required.
- Calibrate the torque wrench regularly - especially after it has been dropped!



Male Hex



Female Hex



Male Torx



Female Torx



Male Star



Female Star