Quality Assurance of High Strength Steel
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General
Steel has been used for decades as a popular construction material in Hong Kong and the advent of high strength steel is conducive to the local construction industry. The high strength steel herein referred to possesses yield strength ranging from 460 to 690 MPa. They are generally manufactured by Quenching and Tempering and grain size gives excellent properties combined with good weldability.

The high strength steel products shall meet all the requirements for technical delivery and welding aspects. To facilitate better control, quality assurance processes are given to the following aspects: -
1. Welding Electrode and Consumable
2. High Strength Steel material
3. Welding Process
4. Welded Joint
5. Fabrication, Assembly and Erection of Steelwork