

Industry Challenges : Low quality crimped connectors
High Resistances leads to Temperature Rise & Reliability Issues



Undesirable
 Overheated Hot-Spots
 leads to system failures
temperature >200°C

Unacceptable
 Technical Losses
 due to human errors



EASYCON - TORQUE CONTROLLED SHEAR BOLT LUGS & FERRULES
 Easy to Install and Minimal Losses



- **Electrical Termination / Joint / Tapping Application**
 Proven Design and Manufactured from High Conductivity Al Alloy
 Factory applied Oxide Inhibiting Compound
- **Reliability and Consistency**
 Manufactured on Automatic CNC Machines
 Special Customized Surface Treatment and Finishing
- **Advantages over existing connectors**
 Range Taking Connectors, Accepts Cu/Al* cables, NO Crimping,
 hence NO Crimping tool & dies needed
- **Simple and Fool-proof Installation by Ratchet Spanner**
 Torque Controlled Shear Bolt for eliminating human error
- **Can be provided with Cold applied / Heat Shrink insulations**
- **Can be provided with hex groove allen Screws in place of Shear Bolt**

NOTE: *Customization is possible as per applications / specifications

Medium Duty
 for Al Cables



Heavy Duty
 for Cu & Al Cables



TORQUE CONTROLLED SHEARING BOLTED CONNECTOR

Cable Range in mm ²	16-70	95-150	185-300	400-630	1000
Ferrule / Splice (TCF)	TCF-001	TCF-002	TCF-003	TCF-004	TCF-005
Lug / Terminal (TCL)	TCL-001	TCL-002	TCL-003	TCL-004	TCL-005

Note: Other cable ranges can be provided based on request

COMPARISON : CONNECTOR TECHNOLOGIES

PARAMETERS	CRIMPED or COMPRESSION	SOLDERED or WELDED	"EASYCON" SHEAR BOLTED
TOOL + DIES + SKILL	YES	YES	NO
REMOVABLE FEATURE	NO	NO	YES
CHEMICALS & EXPLOSIVES	NO	YES	NO
CONDUCTOR PREPARATION	YES	YES	PARTIALLY
EASE OF INSTALLATION	+	+	+++
CONTROLLED FORCE/TORQUE	NO	NO	YES
MECHANICAL STRENGTH	++	+	++
ELECTRICAL STABILITY	+	+	+++
RANGETAKING	NO	NO	YES
CU & AL ACCEPTABILITY	NO	NO	YES
REPEATABILITY & RELIABILITY	++	++	+++
ENERGY EFFICIENCY	+	+	++

Simple Installation

Stage 1

Connector placed over conductors



Lug

Stage 2

Final Installation by shearing of bolts



Ferrule

