

ILSCO TORQUE CHART

ILSCO TORQUE CHART IS AN ESSENTIAL RESOURCE FOR PROFESSIONALS AND ENTHUSIASTS WORKING WITH ELECTRICAL CONNECTORS AND TOOLS, ENSURING THAT CONNECTIONS ARE SECURE, RELIABLE, AND COMPLIANT WITH INDUSTRY STANDARDS. PROPER TORQUE APPLICATION IS CRITICAL IN ACHIEVING OPTIMAL PERFORMANCE, PREVENTING DAMAGE, AND MAINTAINING SAFETY ACROSS VARIOUS ELECTRICAL AND MECHANICAL APPLICATIONS. THIS ARTICLE PROVIDES AN IN-DEPTH OVERVIEW OF THE ILSCO TORQUE CHART, ITS IMPORTANCE, HOW TO INTERPRET IT, AND PRACTICAL TIPS FOR USING IT EFFECTIVELY.

UNDERSTANDING THE IMPORTANCE OF TORQUE IN ELECTRICAL CONNECTIONS

WHY TORQUE MATTERS

APPLYING THE CORRECT TORQUE TO ELECTRICAL CONNECTORS AND FASTENERS IS VITAL FOR SEVERAL REASONS:

- ENSURES ELECTRICAL CONDUCTIVITY: PROPER TORQUE GUARANTEES A SOLID CONNECTION, REDUCING ELECTRICAL RESISTANCE.
- PREVENTS DAMAGE: OVER-TIGHTENING CAN DEFORM COMPONENTS, WHILE UNDER-TIGHTENING CAN LEAD TO LOOSE CONNECTIONS.
- ENHANCES SAFETY: SECURE CONNECTIONS MINIMIZE THE RISK OF SPARKS, SHORTS, OR FAILURES.
- MAINTAINS COMPLIANCE: PROPER TORQUE APPLICATION ENSURES ADHERENCE TO INDUSTRY STANDARDS AND SPECIFICATIONS.

COMMON APPLICATIONS REQUIRING TORQUE SPECIFICATIONS

- TERMINATION OF CABLES TO CONNECTORS
- SECURING TERMINAL LUGS AND CRIMPS
- FASTENING ELECTRICAL PANELS AND ENCLOSURES
- INSTALLING CONNECTORS IN INDUSTRIAL EQUIPMENT
- MAINTENANCE AND REPAIR TASKS INVOLVING ELECTRICAL COMPONENTS

WHAT IS THE ILSCO TORQUE CHART?

DEFINITION AND PURPOSE

THE ILSCO TORQUE CHART IS A REFERENCE GUIDE PROVIDED BY ILSCO, A LEADING MANUFACTURER OF ELECTRICAL CONNECTORS AND TERMINATION PRODUCTS. IT DELINEATES THE RECOMMENDED TORQUE VALUES FOR VARIOUS TYPES OF CONNECTORS, LUGS, AND CABLES, ENSURING PROPER INSTALLATION AND OPTIMAL PERFORMANCE.

COMPONENTS OF THE TORQUE CHART

- CONNECTOR TYPES: DIFFERENT CONNECTOR STYLES SUCH AS COMPRESSION, CRIMP, OR SCREW-TYPE CONNECTORS.
- CABLE SIZES: RANGES TYPICALLY FROM SMALL GAUGE WIRES TO LARGE CONDUCTORS.
- TORQUE VALUES: MEASURED IN INCH-POUNDS (IN-LB) OR NEWTON-METERS (Nm), INDICATING HOW TIGHT A CONNECTION SHOULD BE MADE.
- MATERIAL SPECIFICATIONS: INFORMATION ABOUT MATERIALS LIKE COPPER, ALUMINUM, OR ALLOYS, WHICH CAN INFLUENCE TORQUE REQUIREMENTS.
- APPLICATION NOTES: ADDITIONAL GUIDANCE FOR SPECIFIC SCENARIOS OR CONNECTOR TYPES.

INTERPRETING THE ILSCO TORQUE CHART

READING THE CHART

- IDENTIFY THE TYPE OF CONNECTOR OR TERMINAL YOU ARE WORKING WITH.
- LOCATE THE CORRESPONDING CABLE OR CONDUCTOR SIZE.
- FIND THE RECOMMENDED TORQUE VALUE LISTED FOR THAT COMBINATION.
- USE A CALIBRATED TORQUE WRENCH TO APPLY THE SPECIFIED TORQUE.

UNDERSTANDING UNITS OF MEASUREMENT

- INCH-POUNDS (IN-LB): COMMONLY USED IN NORTH AMERICA.
- NEWTON-METERS (NM): STANDARD IN METRIC MEASUREMENTS INTERNATIONALLY.
- ALWAYS ENSURE YOU'RE USING THE CORRECT UNITS TO AVOID UNDER- OR OVER-TIGHTENING.

CONSIDERING MATERIAL AND ENVIRONMENTAL FACTORS

- ALUMINUM CONDUCTORS OFTEN REQUIRE DIFFERENT TORQUE SETTINGS COMPARED TO COPPER.
- ENVIRONMENTAL FACTORS LIKE TEMPERATURE AND CORROSION MAY INFLUENCE TORQUE APPLICATION.
- CONSULT SPECIFIC NOTES ON THE CHART OR MANUFACTURER GUIDELINES FOR SPECIAL CONDITIONS.

HOW TO PROPERLY USE THE ILSCO TORQUE CHART

TOOLS NEEDED

- CALIBRATED TORQUE WRENCH: ENSURES ACCURATE APPLICATION OF TORQUE.
- APPROPRIATE SOCKET OR ATTACHMENT: TO FIT THE CONNECTOR OR FASTENER.
- PROTECTIVE GEAR: GLOVES AND EYE PROTECTION AS SAFETY PRECAUTIONS.

STEP-BY-STEP PROCEDURE

1. IDENTIFY THE CONNECTOR TYPE AND CABLE SIZE.
2. CONSULT THE ILSCO TORQUE CHART TO FIND THE RECOMMENDED TORQUE VALUE.
3. SET YOUR TORQUE WRENCH TO THE SPECIFIED VALUE.
4. PLACE THE WRENCH ONTO THE CONNECTOR OR BOLT.
5. APPLY FORCE GRADUALLY UNTIL THE WRENCH INDICATES THE SET TORQUE HAS BEEN REACHED.
6. INSPECT THE CONNECTION FOR PROPER SEATING AND SECURITY.

BEST PRACTICES

- ALWAYS USE A CALIBRATED TORQUE WRENCH FOR CONSISTENCY.

- DO NOT EXCEED THE RECOMMENDED TORQUE TO PREVENT DAMAGE.
- TIGHTEN IN A CONTROLLED, STEADY MANNER.
- RECHECK TORQUE AFTER INITIAL TIGHTENING, ESPECIALLY IN CRITICAL APPLICATIONS.
- FOLLOW MANUFACTURER INSTRUCTIONS AND INDUSTRY STANDARDS.

COMMON TORQUE VALUES IN ILSCO CHARTS

SAMPLE TORQUE VALUES FOR TYPICAL CONNECTORS

- **1/0 AWG COPPER LUG:** APPROXIMATELY 55-65 IN-LB
- **2/0 AWG ALUMINUM LUG:** APPROXIMATELY 70-80 IN-LB
- **350 MCM COPPER CRIMP:** APPROXIMATELY 90-110 IN-LB
- **500 MCM ALUMINUM CRIMP:** APPROXIMATELY 150-170 IN-LB

NOTE: THESE VALUES ARE APPROXIMATE; ALWAYS CONSULT THE SPECIFIC ILSCO TORQUE CHART FOR PRECISE DATA.

FACTORS INFLUENCING TORQUE SELECTION

MATERIAL COMPOSITION

DIFFERENT MATERIALS REQUIRE DIFFERENT TORQUE SETTINGS DUE TO THEIR MECHANICAL PROPERTIES. COPPER, BEING MORE DUCTILE, GENERALLY NEEDS LESS TORQUE COMPARED TO ALUMINUM.

CONNECTOR DESIGN

SOME CONNECTORS HAVE SPECIFIC FEATURES OR GEOMETRIES THAT INFLUENCE HOW MUCH TORQUE IS NEEDED FOR A SECURE CONNECTION.

CABLE SIZE AND TYPE

LARGER CABLES TYPICALLY REQUIRE HIGHER TORQUE TO ENSURE PROPER COMPRESSION AND CONTACT.

ENVIRONMENTAL CONDITIONS

HIGH TEMPERATURES, MOISTURE, AND CORROSION CAN AFFECT THE INTEGRITY OF CONNECTIONS, SOMETIMES NECESSITATING ADJUSTMENTS IN TORQUE APPLICATION.

MAINTAINING AND VERIFYING PROPER TORQUE

REGULAR INSPECTION

- PERIODICALLY CHECK CONNECTIONS FOR SIGNS OF LOOSENING OR CORROSION.
- RE-TORQUE AS NEEDED, ESPECIALLY IN ENVIRONMENTS WITH VIBRATION OR TEMPERATURE FLUCTUATIONS.

CALIBRATION OF TOOLS

- ENSURE TORQUE WRENCHES ARE CALIBRATED REGULARLY TO MAINTAIN ACCURACY.
- REPLACE OR REPAIR FAULTY TOOLS PROMPTLY.

DOCUMENTATION AND RECORD-KEEPING

- KEEP RECORDS OF TORQUE SETTINGS USED DURING INSTALLATION FOR QUALITY ASSURANCE.
- FOLLOW INDUSTRY STANDARDS SUCH AS NEC OR IEEE GUIDELINES.

BENEFITS OF USING THE ILSCO TORQUE CHART

ENHANCED SAFETY AND RELIABILITY

APPLYING CORRECT TORQUE MINIMIZES THE RISK OF ELECTRICAL FAILURES, SHORTS, OR FIRES.

REDUCED MAINTENANCE COSTS

PROPERLY TORQUED CONNECTIONS ARE LESS LIKELY TO LOOSEN OR DEGRADE OVER TIME.

COMPLIANCE WITH INDUSTRY STANDARDS

USING MANUFACTURER-RECOMMENDED TORQUE VALUES ENSURES ADHERENCE TO CODES AND REGULATIONS.

IMPROVED PERFORMANCE

OPTIMAL CONNECTIONS FACILITATE EFFICIENT ELECTRICAL FLOW AND REDUCE ENERGY LOSSES.

CONCLUSION

THE **ILSCO TORQUE CHART** SERVES AS AN INDISPENSABLE GUIDE FOR ENSURING THE INTEGRITY AND SAFETY OF ELECTRICAL CONNECTIONS. BY UNDERSTANDING HOW TO INTERPRET AND APPLY THE TORQUE VALUES ACCURATELY, PROFESSIONALS CAN IMPROVE CONNECTION RELIABILITY, REDUCE MAINTENANCE ISSUES, AND COMPLY WITH INDUSTRY STANDARDS. ALWAYS REMEMBER TO USE CALIBRATED TOOLS, CONSIDER ENVIRONMENTAL FACTORS, AND FOLLOW MANUFACTURER INSTRUCTIONS FOR THE BEST RESULTS. WHETHER YOU'RE INSTALLING NEW ELECTRICAL SYSTEMS OR PERFORMING ROUTINE MAINTENANCE, REFERENCING THE ILSCO TORQUE CHART IS A KEY STEP TOWARD ACHIEVING SECURE AND DURABLE ELECTRICAL CONNECTIONS.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE PURPOSE OF THE ILSCO TORQUE CHART?

THE ILSCO TORQUE CHART PROVIDES RECOMMENDED TORQUE VALUES FOR VARIOUS CRIMPING AND CONNECTOR APPLICATIONS TO ENSURE PROPER ELECTRICAL CONNECTIONS AND SAFETY.

HOW DO I USE THE ILSCO TORQUE CHART EFFECTIVELY?

TO USE THE CHART, IDENTIFY THE CONNECTOR AND CONDUCTOR SIZE, THEN APPLY THE SPECIFIED TORQUE VALUE TO ACHIEVE A SECURE AND RELIABLE CONNECTION AS RECOMMENDED BY THE MANUFACTURER.

ARE THE TORQUE VALUES ON THE ILSCO CHART SUITABLE FOR ALL TYPES OF CONNECTORS?

THE CHART PROVIDES GENERAL GUIDELINES FOR ILSCO CONNECTORS; HOWEVER, ALWAYS REFER TO SPECIFIC PRODUCT INSTRUCTIONS OR TECHNICAL DATASHEETS FOR PRECISE TORQUE RECOMMENDATIONS.

WHERE CAN I FIND THE LATEST VERSION OF THE ILSCO TORQUE CHART?

THE LATEST ILSCO TORQUE CHART IS AVAILABLE ON THEIR OFFICIAL WEBSITE OR THROUGH AUTHORIZED DISTRIBUTORS AND TECHNICAL SUPPORT RESOURCES.

WHY IS IT IMPORTANT TO FOLLOW THE TORQUE SPECIFICATIONS ON THE ILSCO CHART?

FOLLOWING THE RECOMMENDED TORQUE ENSURES A PROPER ELECTRICAL CONNECTION, PREVENTS DAMAGE TO CONNECTORS, REDUCES THE RISK OF FAILURE, AND MAINTAINS SAFETY STANDARDS.

ADDITIONAL RESOURCES

ILSCO TORQUE CHART: AN IN-DEPTH GUIDE TO PROPER TORQUE SPECIFICATIONS AND BEST PRACTICES

UNDERSTANDING THE IMPORTANCE OF ACCURATE TORQUE APPLICATION IS VITAL FOR ELECTRICAL SYSTEMS, SAFETY, AND EQUIPMENT LONGEVITY. THE ILSCO TORQUE CHART SERVES AS AN ESSENTIAL RESOURCE FOR ELECTRICIANS, TECHNICIANS, AND ENGINEERS WORKING WITH ILSCO COMPRESSION CONNECTORS, LUGS, AND TERMINATION HARDWARE. THIS COMPREHENSIVE GUIDE DELVES INTO THE DETAILS OF THE ILSCO TORQUE CHART, ITS SIGNIFICANCE, PROPER USAGE, AND BEST PRACTICES TO ENSURE OPTIMAL ELECTRICAL CONNECTIONS.

INTRODUCTION TO ILSCO AND THE SIGNIFICANCE OF TORQUE SPECIFICATIONS

ILSCO CORPORATION IS A RENOWNED MANUFACTURER SPECIALIZING IN ELECTRICAL CONNECTORS, LUGS, AND RELATED ACCESSORIES. THEIR PRODUCTS ARE WIDELY USED IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL ELECTRICAL SYSTEMS DUE TO THEIR RELIABILITY AND COMPLIANCE WITH INDUSTRY STANDARDS.

THE TORQUE SPECIFICATION PROVIDED IN THE ILSCO TORQUE CHART IS A CRITICAL PARAMETER THAT DETERMINES THE AMOUNT OF ROTATIONAL FORCE NEEDED TO PROPERLY TIGHTEN A CONNECTOR OR LUG ONTO A CONDUCTOR. CORRECT TORQUE ENSURES:

- SECURE ELECTRICAL CONTACT: PREVENTING OVERHEATING AND POTENTIAL FAILURES.
- MECHANICAL STABILITY: REDUCING THE RISK OF LOOSENING DUE TO VIBRATION OR THERMAL CYCLING.
- CONSISTENT PERFORMANCE: ENSURING EACH CONNECTION MEETS SAFETY AND PERFORMANCE STANDARDS.
- COMPLIANCE WITH CODE: MEETING MANUFACTURER AND INDUSTRY STANDARDS LIKE UL, NEC, AND IEEE.

UNDERSTANDING THE COMPONENTS OF THE ILSCO TORQUE CHART

THE ILSCO TORQUE CHART PROVIDES DETAILED SPECIFICATIONS TAILORED TO VARIOUS CONNECTOR TYPES, CONDUCTOR SIZES, AND MATERIAL CONFIGURATIONS. IT TYPICALLY INCLUDES:

1. CONNECTOR TYPES AND SIZES

- LUGS: SINGLE-BOLT, MULTI-BOLT, COMPRESSION LUGS, AND MECHANICAL CONNECTORS.
- TERMINALS: VARIOUS TYPES FOR DIFFERENT CABLE SIZES AND MATERIALS.
- ADAPTERS AND ACCESSORIES: ITEMS THAT MAY HAVE DIFFERENT TORQUE REQUIREMENTS.

2. CONDUCTOR MATERIAL AND SIZE

- COPPER, ALUMINUM, OR COPPER-ALUMINUM ALLOY CONDUCTORS.
- RANGES FROM SMALL GAUGE (E.G., 14 AWG) TO LARGE CONDUCTORS (E.G., 750 MCM).

3. INSULATION AND CONDUCTOR TYPE

- STRANDED OR SOLID CONDUCTORS.
- INSULATED VERSUS BARE CONDUCTORS.

4. TORQUE VALUES

- SPECIFIED IN INCH-POUNDS (IN-LB) OR FOOT-POUNDS (FT-LB).
- USUALLY PRESENTED IN A TABULAR FORMAT CORRELATING CONDUCTOR SIZE, CONNECTOR TYPE, AND TORQUE VALUE.

5. ADDITIONAL NOTES

- RECOMMENDATIONS ON LUBRICATION.
- SPECIAL INSTRUCTIONS FOR CERTAIN MATERIALS OR ENVIRONMENTAL CONDITIONS.

PROPER USAGE OF THE ILSCO TORQUE CHART

UTILIZING THE TORQUE CHART CORRECTLY IS PARAMOUNT TO ACHIEVING SAFE AND RELIABLE ELECTRICAL CONNECTIONS. HERE ARE KEY STEPS AND CONSIDERATIONS:

1. VERIFY THE CORRECT CONNECTOR AND CONDUCTOR SIZE

- CONFIRM THE CONDUCTOR SIZE MATCHES THE SPECIFICATIONS ON THE CHART.
- USE THE CORRECT CONNECTOR MODEL AS PER APPLICATION.

2. PREPARE THE CONDUCTOR

- STRIP INSULATION TO THE APPROPRIATE LENGTH.
- ENSURE THE CONDUCTOR IS CLEAN AND FREE OF OXIDATION OR CONTAMINANTS.
- FOR ALUMINUM CONDUCTORS, CONSIDER USING ANTIOXIDANT COMPOUND IF SPECIFIED.

3. SELECT THE PROPER TOOL

- USE A CALIBRATED TORQUE WRENCH THAT PROVIDES ACCURATE READINGS.
- ENSURE THE WRENCH IS SUITABLE FOR THE TORQUE RANGE SPECIFIED.

4. APPLY TORQUE AS PER CHART

- FOLLOW THE EXACT TORQUE VALUE FOR THE SPECIFIC CONDUCTOR AND CONNECTOR.
- APPLY TORQUE GRADUALLY, TIGHTENING IN A SEQUENCE RECOMMENDED BY THE MANUFACTURER.
- AVOID OVER-TIGHTENING, WHICH CAN DAMAGE THE CONNECTOR OR CONDUCTOR.
- DO NOT UNDER-TIGHTEN, AS IT CAN LEAD TO LOOSE CONNECTIONS AND HEAT BUILDUP.

5. CONFIRM PROPER TIGHTENING

- USE A TORQUE WRENCH TO VERIFY THE TORQUE VALUE.
- CHECK FOR PROPER SEATING AND ABSENCE OF MOVEMENT OR PLAY.

6. DOCUMENT AND RECORD

- RECORD TORQUE VALUES FOR QUALITY ASSURANCE AND FUTURE MAINTENANCE.
- MAINTAIN RECORDS FOR COMPLIANCE AND TROUBLESHOOTING.

COMMON MISTAKES AND HOW TO AVOID THEM

MISAPPLICATION OF TORQUE CAN COMPROMISE THE INTEGRITY OF ELECTRICAL CONNECTIONS. HERE ARE COMMON PITFALLS AND RECOMMENDATIONS:

- USING THE WRONG TORQUE VALUE:
 - ALWAYS REFER TO THE LATEST ILSCO TORQUE CHART.
 - CROSS-CHECK WITH MANUFACTURER INSTRUCTIONS.
- OVER-TIGHTENING:
 - CAN STRIP THREADS, DEFORM CONNECTORS, OR DAMAGE CONDUCTORS.
 - USE CALIBRATED TORQUE TOOLS AND FOLLOW SPECIFIED VALUES.
- UNDER-TIGHTENING:
 - LEADS TO LOOSE CONNECTIONS, ARCING, AND POTENTIAL FAILURES.
 - CONFIRM TORQUE WITH A WRENCH.
- IMPROPER TOOL USE:
 - AVOID USING PLIERS OR SCREWDRIVERS FOR TORQUE APPLICATION.
 - USE DEDICATED TORQUE WRENCHES FOR PRECISION.
- ENVIRONMENTAL FACTORS:
 - CONSIDER TEMPERATURE, CORROSION, OR VIBRATION THAT MAY AFFECT TORQUE RETENTION.
 - USE APPROPRIATE CONNECTORS AND COATINGS FOR HARSH ENVIRONMENTS.

INTERPRETING AND APPLYING THE ILSCO TORQUE CHART IN VARIOUS SCENARIOS

DIFFERENT APPLICATIONS DEMAND TAILORED TORQUE CONSIDERATIONS. HERE'S A LOOK AT COMMON SCENARIOS:

1. RESIDENTIAL ELECTRICAL INSTALLATIONS

- TYPICALLY INVOLVES SMALLER CONDUCTORS (14-8 AWG).
- FOLLOW THE TORQUE VALUES SPECIFIED FOR RESIDENTIAL WIRING CONNECTORS.
- PAY ATTENTION TO UL LISTINGS AND LOCAL CODE REQUIREMENTS.

2. COMMERCIAL AND INDUSTRIAL APPLICATIONS

- LARGER CONDUCTORS AND HEAVY-DUTY CONNECTORS ARE COMMON.
- USE THE TORQUE CHART TO ENSURE PROPER COMPRESSION AND MECHANICAL STABILITY.
- CONSIDER ENVIRONMENTAL FACTORS LIKE VIBRATION, WHICH MAY REQUIRE ADDITIONAL MEASURES.

3. HIGH-VOLTAGE AND HEAVY-DUTY APPLICATIONS

- PRECISE TORQUE IS CRITICAL TO PREVENT ARCING AND ENSURE INSULATION INTEGRITY.

- CONSULT SPECIALIZED ILSCO CHARTS OR MANUFACTURER GUIDANCE FOR HIGH-VOLTAGE SYSTEMS.

4. REPAIR AND MAINTENANCE

- ALWAYS RE-VERIFY TORQUE DURING ROUTINE CHECKS.
- REPLACE DAMAGED CONNECTORS OR LUGS RATHER THAN REUSING THEM.

ADDITIONAL TIPS FOR OPTIMAL RESULTS

- REGULAR CALIBRATION: ENSURE TORQUE WRENCHES ARE CALIBRATED PERIODICALLY.
- PROPER TRAINING: TECHNICIANS SHOULD BE TRAINED ON TORQUE APPLICATION TECHNIQUES.
- ENVIRONMENTAL CONSIDERATIONS: USE CORROSION-RESISTANT CONNECTORS IN OUTDOOR OR AGGRESSIVE ENVIRONMENTS.
- LUBRICATION: USE LUBRICANTS ONLY IF SPECIFIED; OVER-LUBRICATION CAN ALTER TORQUE REQUIREMENTS.
- FOLLOW MANUFACTURER UPDATES: TORQUE SPECIFICATIONS MAY BE UPDATED; ALWAYS REFER TO THE LATEST CHARTS.

CONCLUSION: THE CRITICAL ROLE OF THE ILSCO TORQUE CHART

THE ILSCO TORQUE CHART IS MORE THAN JUST A REFERENCE; IT IS A VITAL TOOL THAT ENSURES ELECTRICAL CONNECTIONS ARE SAFE, RELIABLE, AND COMPLIANT WITH INDUSTRY STANDARDS. ACCURATE APPLICATION OF TORQUE BASED ON THIS CHART PRESERVES THE INTEGRITY OF ELECTRICAL SYSTEMS, PREVENTS FAILURES, AND ENHANCES SAFETY FOR PERSONNEL AND EQUIPMENT.

BY UNDERSTANDING EACH ASPECT OF THE TORQUE CHART—FROM ITS COMPONENTS TO BEST PRACTICES FOR APPLICATION—ELECTRICIANS AND ENGINEERS CAN CONFIDENTLY PERFORM INSTALLATIONS AND MAINTENANCE THAT STAND THE TEST OF TIME. INCORPORATING PROPER TORQUE TECHNIQUES, MAINTAINING CALIBRATION, AND ADHERING TO MANUFACTURER GUIDELINES ULTIMATELY LEAD TO SUPERIOR ELECTRICAL SYSTEMS THAT OPERATE EFFICIENTLY AND SAFELY.

REMEMBER: WHEN IN DOUBT, CONSULT THE LATEST ILSCO DOCUMENTATION, USE CALIBRATED TOOLS, AND FOLLOW INDUSTRY BEST PRACTICES. PROPER TORQUE APPLICATION IS A SMALL STEP WITH A SIGNIFICANT IMPACT ON THE OVERALL SAFETY AND PERFORMANCE OF ELECTRICAL SYSTEMS.

[Ilsco Torque Chart](#)

ilsco torque chart: [An Introduction to SCR Power Controls](#) George A. Sites, 2004

ilsco torque chart: [Electrical Construction and Maintenance](#) , 1984

ilsco torque chart: **Electronic Design** , 1955-09

ilsco torque chart: **Electric Light & Power** , 1960

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