CRANEOTECH
INDUSTRIES®

Built by Experts. Trusted by Industries

Built for load. **Trusted** for power.

www.craneotech.com

ABOUT US

CT Industries is a specialized engineering company delivering integrated solutions for crane electrification systems, conductor bars, festoon systems, busbar solutions, and industrial crane accessories. Built on deep technical knowledge and hands on execution, we operate at the intersection of design precision, operational safety, and long-term system reliability.

Beyond manufacturing and supply, CT Industries brings over 5 years of proven experience in crane maintenance and servicing, supporting overhead cranes, EOT cranes, and material handling systems across industrial environments. This service driven expertise allows us to design products that are not only technically sound but also maintenance-efficient and field-tested.

Our solutions are engineered to perform under continuous load, harsh operating conditions, and safety critical applications. From conductor bar systems to control devices and safety components, every product reflects our commitment to durability, compliance, and operational continuity.

CT Industries does not just deliver components we deliver system confidence, uptime assurance, and long-term operational value.

Our product portfolio includes conductor bar systems, DSL current collectors, festoon systems, busbars, control devices, braking systems, and safety components each built to deliver consistent power flow, reduced downtime, and extended service life. Every solution is developed with a clear focus on durability, compliance, and ease of maintenance.

At CT Industries, engineering is practical, service is responsive, and reliability is intentional. We exist to keep industrial motion uninterrupted, safe, and efficient every lift, every shift, every day.

OUR MISSION

To deliver reliable crane electrification systems and industrial components through robust engineering, quality materials, and responsive service ensuring safety, performance, and uninterrupted operations for our customers.

OUR VISION

To become a preferred and trusted industrial solutions partner in crane electrification and maintenance services by setting benchmarks in product reliability, technical expertise, and service excellence.

OUR VALUE

- Engineering Reliability
- Service-Driven Mindset
- Safety First
- Technical Integrity
- Long-Term Partnership

2021 — **Company Establishment**

↓

2022 — **Product Portfolio Expansion**

↓

2023 — **Service Capability Development**

↓

2024 — **System Integration Phase**

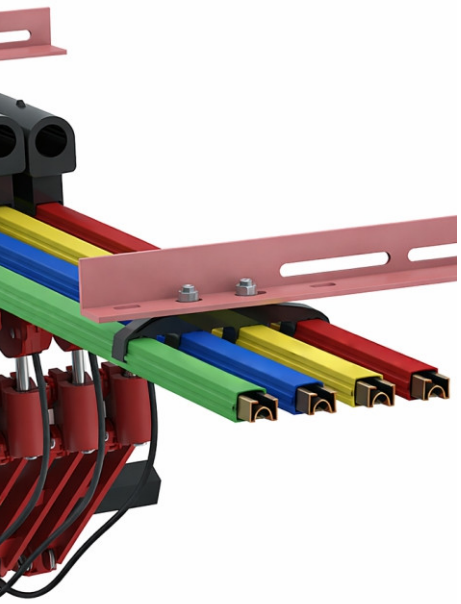
Present :-

Trusted Engineering & Service Partner

- 5+ years of crane maintenance & servicing experience
- Comprehensive product + service offering under one roof
- Focused on safety, performance, and lifecycle reliability

CRANEOTECH INDUSTRIES®
Built by Experts. Trusted by Industries

BOLT JOINTED TYPE BUSBAR



CTI - 1

SHROUDED CONDUCTOR TECHNICAL DATA SHEET								
MODEL NO.	CT2-60A	CT2-100A	CT2-125A	CT2-160A	CT2-250A	CT2-400A	CT2-200A	CT2-315A
MATERIAL	Galvanized Steel			Copper			Aluminium with SS	
INPEDANCE MILLI Ohms/m+35°C	3.55	2.86	1.92	0.36	0.30	0.22	0.32	0.29
DC Resistance milli Ohms/m+35°C	3.52	2.84	1.92	0.35	0.27	0.18	0.30	0.26
Conductor Rating At +35°C CDF 100%	60A	100A	125A	160A	250A	400A	200A	315A

CTI - 2

SHROUDED CONDUCTOR TECHNICAL DATA SHEET								
MODEL NO.	CT 3 A-500A	CT 3 A-800A	CT 3 A-1000A	CT 3 A-1200A	CT 3 A-500A	CT 3 A-800A	CT 3 A-1000A	CT 3 A-1200A
MATERIAL	Aluminium with SS				Copper			
Conductor Rating +35°C cdf 100%	500A	800A	1000A	1200A	500A	800A	1000A	1200A
Impendence milli Ohms/M +35°C	0.158	0.145	0.138	0.099	0.162	0.137	0.128	0.061
DC resistance mili Ohms/M +35°C	0.098	0.075	0.052	0.028	0.106	0.059	0.035	0.011
Standard Conductor Length	0 Mtr	0 Mtr	0 Mtr	0 Mtr	0 Mtr	0 Mtr	0 Mtr	0 Mtr
Conductor Joint	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED
Conductor Rating At 100% +35°C	500A	800A	1000A	1200A	500A	800A	1000A	1200A

Accessories

Hanger Clamp

Snap fit type hanger clamp with hardware, required per meter. The conductors bars are clipped in to the hanger clamp. We offer Single Pole, 3 Pole & 4 Pole Hanger clamps.

Anchor Clamp

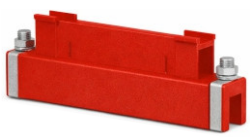
Fall proof protection to the busbar. Required at aach 50 Mtr.

Conductor Joint

Bolted type jointer provide at each conductor joints. We offer four bolted type jointer with 80mm Length to perfect joint of conductors.

End Power Feed

This accessories for incoming power and is a fully insulated simple clamp type is easily installed at the end of the busbar.



Center Power Feed

This accessories for incoming power easily installed anywhere in the system for incoming power to the conductor rails joint. One or more power feed points are possible to reduce voltage drop.

Expansion Joint

In order to accommodate the effects of temperature change. it is necessary to provide expansion joints. This accessories are required in a single bay length area is more then 150 Mtr. And above. Max gap of the expansion joint is 50mm.

Conductor Joint Cover

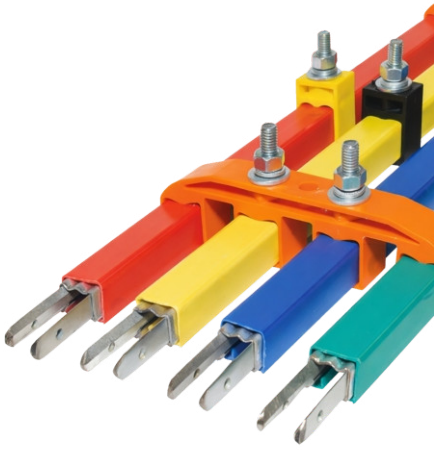
Conductor Joints are covered with joint cover, snap fitting with locking arrangement. Required on each conductor Joints.

End Cap

Used to close the end of the conductors, to cover exposed conductor and avoid live contact.

PIN JOINTED TYPE BUSBAR

SHROUDED CONDUCTOR TECHNICAL DATA SHEET					
MODEL NO.	CT1-60A	CT1-100A	CT1-125A	CT1-250A	CT1-400A
MATERIAL	Galvanized Steel			Copper	
INPEDANCE MILLI Ohms/m+35°C	3.6	2.9	2.5	0.345	0.335
DC Resistance milli Ohms/m+35°C	3.5	2.86	2.45	0.333	0.333
Conductor Rating At +35°C CDF 100%	60A	100A	125A	250A	400A



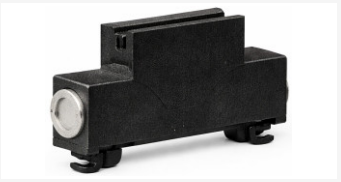
Accessories

Hanger Clamp

Snap fit type hanger clamp with hardware, required per meter. The conductors bars are clipped in to the hanger clamp. We offer Single Pole & 4 Pole Hanger clamps.

Anchor Clamp

Fall proof protection to the busbar. Required at each 50 Mtr.



Conductor Joint Cover

Conductor Joints are covered with joint cover, Required on each conductor Joints.

End Cap / End Power Feed

This accessories for incoming power and is a fully insulated simple bolted type is easily installed at the end of the busbar. Used to close the end of the conductors, to cover exposed conductor and avoid live contact.

Center Power feed

This accessories for incoming power easily installed anywhere in the system for incoming power to the conductor rails joint. One or more power feed points are possible to reduce voltage drop.

CRANEOTECH CT INDUSTRIES®
Built by Experts. Trusted by Industries

CURRENT COLLECTOR FOR DSL

Down Shop Lead System (DSL) Conductor bar - track are super finished and cross section is maintained to achieve required ampere. The material for track is G.I., Aluminum & copper. Conductors shall be accurately aligned to ensure positive electrical contact between the collector and the conductor. Separate conductors shall be provided for each phase. Insulation cover shall be rigid PVC, self extinguishing, with a heat distortion point of 70°c at 260psi.

CTI CCV-20 (20AMP.)

CTI CCV-125 (125AMP.)

CTI CCW-125 (125AMP.)

CTI CCW-250 (250AMP.)

CTI CCV-250 (250AMP.)

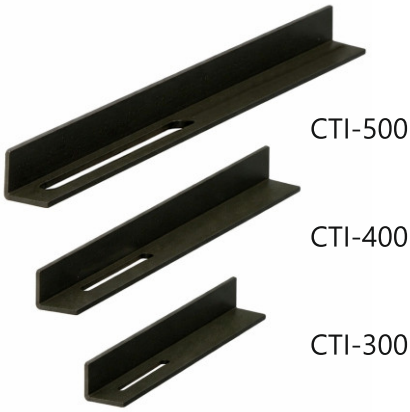
CURRONT COLLOOTOR EOR APGLO TUNO DSL

CTI CCAT 125AMP.

CTI CCAT 250AMP.

TOWING ARM & BUSBAR MOUNTING BRACKETS

This is an attachment for incoming power and is a fully insulated simple clamp type is easily Installed anywhere on the system for incoming power to the conductor rails.

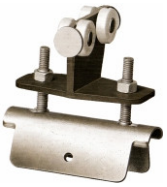


C-RAIL [FESTOON] SYSTEM

Festoon System are used to electrify various types of mobile equipment. They can be designed not only to support and protect nat and round electical cables, but air and water noses as well. Systems can be pre-assembled at the factory to ease installation and reduce time. Festoon systems are typically used on overhead cranes, port cranes and other material handling applications. We also have a solution for extremely corrosive environments. Our product range includes as well as accessories for the various cable management systems. Standard length 4.5 Mtr.

HANGER CLAMP

JOINTER



CABLE TROLLEY (S)

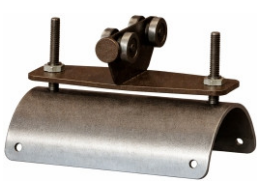
STARTING TROLLEY

END CAP

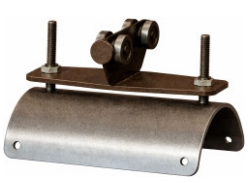
BRACKET SET

TROLLEY

Superior quality overhead C-Rail & I-Beam trolleys that are expandable to various I-Beam sizes, in various load capacity. It consists of a carriage with four wheels containing anti-friction bearings, which are rigidly connected to I-Beam.



CT (Type-M)



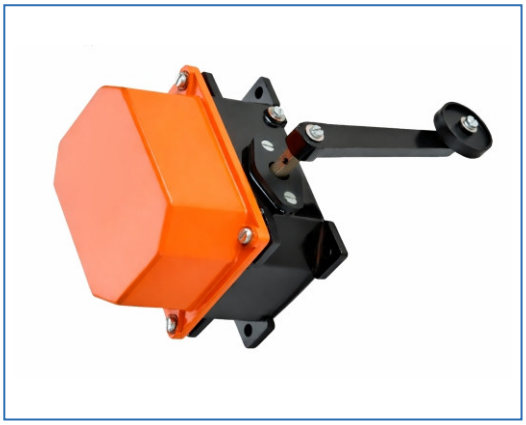
CT (Type-H)

CTI (Type-H)

CTI (Type-M)

CRANEOTECH INDUSTRIES®
Built by Experts. Trusted by Industries

Lever Limit Switch



Lever Limit Switch is used for heavy duty E.O.T. Cranes. Wagon shunting devices etc., to prevent over traveling or over traversing on power control circut up to 500 volts A.C. 50 Hz and 10 amps and 40 amps current rating.

Body Material: Aluminium Casting
Enclosure: IP-54
Mounting Position: Vertical
Cable Entry: 3/4" Conduit
Rated Voltage: 500 V
Thermal Test Current: 40 Amp
No. of Contacts: 2/3/4
Mode of Operation: 2 way self resetting

Gravity / Counter Weight

Weight operated limit switches are used on control / power circuit of reversing drive so as to limit their rotation / movement within a predetermined position.

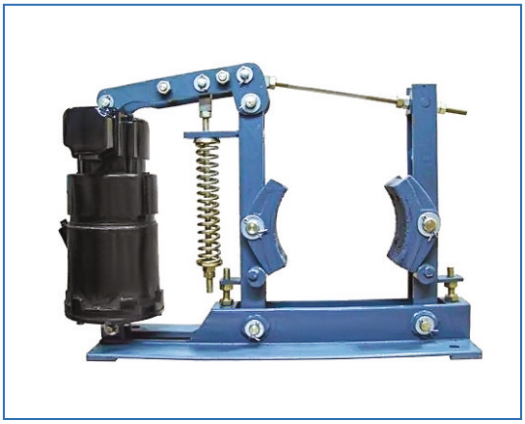
Body Material: Powder Coated Aluminium Die Cast
Degree of Protection: IP-55
Mounting Position: Floor
Cable Entry: 2, 3/4" Conduit
No. of Contacts: 2/3/4
Contact: Double break silver cadmium
Wire Connection: Screw Terminal
Rated Voltage Insulation: 500 V A.C.
Thermal Test Current: 10/40 Amps
Operation: 720 Hours

Rotary Gear Limit Switch

Rotary Gear Limit Switch is basically consists of heavy duty worm gear drive. The worm gear unit is built in a cast housing fitted on main body of limit Switch. The cam shaft which extends from behind the gear in to housing, accommodates the cams adjustable actuators. which are fitted on the cams. These actuators strikes the contact finger of respective contacts.

Body Material: Aluminium Die Cast
Degree of Protection: IP-55
Gear Rations: 1:48, 1:60
Drive: Worm Drive
Cable Entry: Conduit
Rated Voltage Insulation: 500 V A.C.
Thermal Test Current: 10/40 Amps
No. of Contacts: 2, 4, 6 Maximum

Thruster Brake



Thruster brake is a device to retard the speed of moving machinery and to stop it accurately to the desired position. Our mill duty Thruster Brakes are Suitable for 440 Volts. 3 Phase A.C. supply for a wide range of drum sizes, from 100mm to 600mm dia. Higher sizes can also be supplied against specific requirements.

FEATURES

- Good Designs and manufacturing processes ensure reliable product.
- Ease of maintenance and replacement of brake shoes without dismounting the brake.

Master Controller

Master Controllers are used for operation of contractor's equipment controlling E.O.T. Cranes & Rolling mills drives. The controllers are made in dust proof enclosure in IP-54 degree of protection, up to 6 notches either side with max 24 contacts as per desired sequence with spiring return arrangement & deadman's handle arrangement are available. Master controllers are compact up to 4-0-4 step suitable for Grab-Hoist, CT-LT maximum contacts 16 per motion with spring return arrangement.

Body Material: M.S. Sheet

Enclosure: IP-44 / IP-54

Mounting Position: Horizontal / Vertical

Rated Voltage: 500 V

Cable Entry: 2 x 20 / 2 x 26 Conduit

Thermal Test Current: 40 Amp

Frequency of Operation: 1000 switching per hour

No. of Contacts: 24 Maximum

No. of Step: 6-0-6 Maximum

Optional Arrangement: Spring Return / Deadman's Handle

Contact Material: Silver Cadmium

Anti Collision Device

COLLISION AVOIDANCE SYSTEM FOR CRANE AND MOVING MACHINERIES

The Anti-Collision system is a safety device to avoid to collision of two electric overhead traveling cranes working on the same rails. For one pair of cranes two sets of anti-collision systems are required. Each set consists of an Emitter/sensor module and a Reflector.

Model No.	ACD -03	ACD-10
Supply Voltage AC	230V/110 V (User Selectable)	230V/110 V (User Selectable)
No. of Set Points	Single	Single
No. of Output/Relay	Single Relay /Single Output	Single Relay /Single Output
Contacts Rating	3 Amps (Max.) at 220 V AC	3 Amps (Max.) at 220 V AC
Dimensions in mm	180 x 145 x 55	180 x 145 x 55
Reflector Size in mm	130 x 75	130 x 75
Housing	Metal Housing	Metal Housing
Range	0-3 Mtr.	3-10 Mtr.

CRANEOTECH INDUSTRIES®
Built by Experts. Trusted by Industries

3 Phase DSL Indicating Lamp

Bus-bar 3 Phase power indication approach towards Crane Bus-bar 3 Phase Power indication for overhead cranes. It is a vibration-resistant. Solid-state LED based unit which provides along maintenance free operating life.

- Extremely low power consumption of <5 Watts / Phase.
- Use of ultra-bright LED for Omni directional view long distances.
- Clear indication of phase energized status of supply on the adjacent bus-bar.
- So there is no confusion to plant personnel.
- Low cost replacement of incandescent lamps which are generally used for this application.

Operation Temperature	20° C to + 85° C (optional on demand)
Operating Power	4.5 Walts / Phase
Supply Voltage	4 Terminal wiring with one common Neutral and three phase wiring
Color	Optional RYB or RYG

Rail Clamp (Cup / Flat Type)

Rail clamp mainly used to maintain the lateral position of the rail, especially crane rail, but allow necessary longitudinal movement.

	Cup Type	Flat Type
Bolt	20 x 35 mm	16 x 35 mm
Washer	20 mm	16 mm
Body Material	Galvanised MS	Galvanised MS
Body Thickness	4 mm	5 mm

CONDUCTOR BAR	GALVANIZED STEEL			COPPER		
CURRENT RATING At + 35 C CDF 100%	80A	100A	125A	160A	250A	400A
CURRENT RATING At + 35 C CDF 40%	100A	140A	200A	300A	360A	580A
MAX. SYSTEM VOLTAGE	500V AC/600V DC	500V AC/600V DC	500V AC/600V DC	500V AC/600V DC	500V AC/600V DC	500V AC/600V DC
COEFFICIENT OF EXPANSION	0.0000122	0.0000122	0.0000122	0.0000122	0.0000162	0.0000162
IMPEDANCE IN OHMS/M	0.0030	0.0029	0.0018	0.00035	0.00030	0.00018
RESISTANCE IN OHMS/M	0.0028	0.0024	0.0020	0.00031	0.00028	0.00016
STANDARD LENGTH	4.5 Mtr.	4.5 Mtr.	4.5 Mtr.	4.5 Mtr.	4.5 Mtr.	4.5 Mtr.

Voltage Drop.

The voltage drop on our conductor system should be restricted to 2.5 to 5% of the nominal supply voltage.

Three Phase Alternating Current (3ph AC): AU = 3XFL x |total x Z (Volts)
Single Phase Alternating Current (AC): AU= 2 x FL x | total x Z (Volts)
Direct Current (DC): AU= 2xFL x | total x R (Volts)

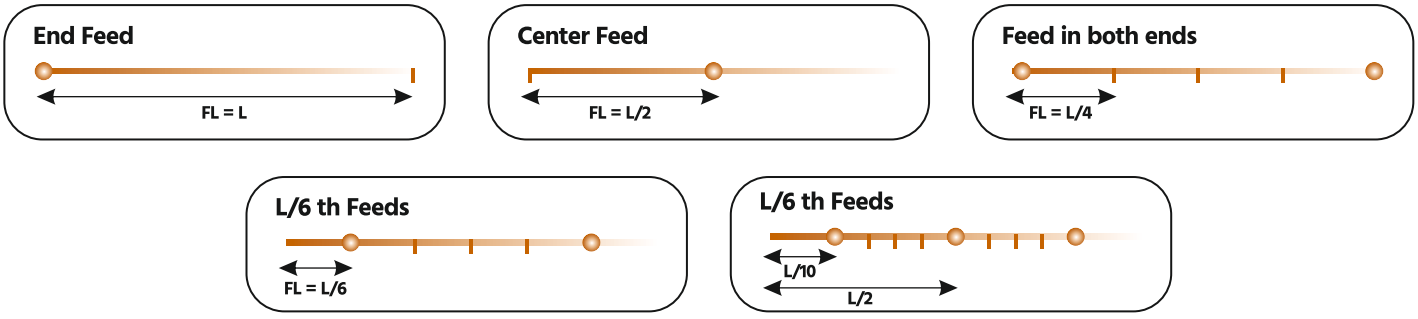
Where U- Voltage Drop
|tota/= Total Currents [Amps]
R= Resistance of conductor [ohms/Mtr.]
Z= Impedance of conductor [ohms/Mtr.]
FI = Feeder Length [ohms/Mtr.1
L= System Length [Metres]
Un = Operating Voltage

If the voltage drop is too high, then either the number of feed points or the cross section of the conductor rail should be increased to reduce the Voltage drop along the system.

Multiple Feed-in Points

The voltage drop on our conductor system should be restricted to 2.5 to 5% of the nominal supply voltage.

FL = L feed from one end
FL= L/2 feed from the center
FL = L/4 feed from the both ends
FL = L/6 two feed-in positions, L/6 from each end
FL = L/10 feed - in points in the center and at the L/10 from both ends



Other possibilities to arrange the feed positions can be selected. For very high current, cables can be connected tin parallel (booster cables).

CRANEOTECH
INDUSTRIES®

Built by Experts. Trusted by Industries

Manufacturer of Shrouded Busbar (DSL) System ,
C-Rail Festoon System.

Address:
6, Kishan Industrial Park, Mavdi Village, Rajkot, Gujarat-360004.

Mobile: +91 99253 62505/06

Email: info@craneotech.com

Web: www.craneotech.com