CMK ELECTRO POWER PVT LTD.

(An ISO 9001:2008 Certified Company)

Our Products Serve the Following Industrial Sector :

Chemical Industries

Crane Industries

Paper Industries

Automobile Industries

Mines Industries

Power Plant

Port & Shipyards

Manufacturer of EOT Crane & Control Equipments

ABOUT US:-

CMK ELECTRO POWER (P) LIMITED is one of the leading manufacturer of high quality and wide range of material handling equipments and control equipments.

CMK ELECTRO POWER (P) LIMITED is an expert engineering and manufacturing company, which excels at high quality electric crane components. **CMK** reach both world and domestic customers with affordable products that are produced by in one of the most modern production facilities through **CMK** organization. In addition to our crane control equipments that are produced with the world's leading technology, we offer traditions, ethical merits and our engineering success to our customers.

Quality Objectives

Our quality policy is to Manufacturing and supply EOT Crane and Control Equipment to the requirement and satisfaction of our customers. Our objective is to continuous improvement in the quality of our products through an effective quality management system, technical improvements, cost effectiveness, employees involvement and develop competency.

ISO CERTIFICATE ISO CERTIFICATE

Certificate of Registration

CMK ELECTRO POWER PVT.LTD.

Plot No. 89-96, Shed No. 05,Opp. Krimisha Enterprise, Vavdi Industrial Area,Rajkot 360004 (Gujarat - India)

ISO 9001:2008

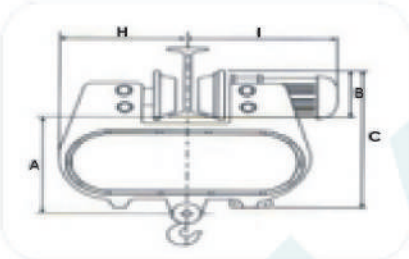
"Manufacture, Supplier & Service Of EOT Crane And Electrical Control Equipment"

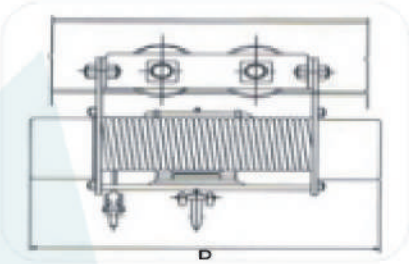
TQS Quality Certification Service.

Our Strength

Wire Rope Hoist

CMK WIRE ROPE HOISTS ARE SUPERB COMBINATION OF MATERIAL AND LATEST TECHNOLOGY





S.W.L Kgs	Height of lift in Mts	No.of Falls	Speeds mpm		Motor H.P.		Flange Width of I Beam	Wire Rope Dia	Dimension (m.m)						Approx. Wt. in Kgs
			Hois Ting	CT	Hois Ting	CT			A	B	C	D	H	I	
500	6	2	3	15	0.75	0.25	90-125	6	425	175	425	700	290	400	150
1000	6	2	3	15	1.5	0.25	90-140	8	550	175	425	750	290	400	170
2000	6	2	3	15	3.0	0.25	100-140	10	650	200	650	900	1000	520	400
3000	6	4	3	12	5.0	0.75	125-140	10	750	200	900	1100	350	550	450
5000	6	4	3	12	7.5	0.75	140-210	12	950	200	1050	1200	400	550	550
7500	6	4	3-3.5	12	10	1.0	150-210	14	850	250	1200	1700	620	720	1000
10000	6	4	3-3.5	12	12.5	1.0	150-210	16	1000	250	1700	1700	620	720	1200
15000	6	6	2	12	15	2	225-250	16	1400	300	1850	1850	750	900	1600
20000	6	6	2	12	20	2	225-250	18	1600	325	1850	1850	750	900	2200

Note : We Reserve The Right To Modify Technical Specifications, Dimensions Etc. As We Continuously Work On Improvement

JIB Cranes

JIB cranes are versatile, efficient and cost effective solutions for moving materials within an individual workstation, for transferring materials from work area to work area or for serving as auxiliary lifting devices under overhead cranes.

Wall Mounted Type (Tension Braced JIB Cranes)

Full Cantilever JIB Cranes

Self Supported Pillar Mounted Type (Free Standing JIB Cranes)

EOT Crane

CMK make Electrically Operated Overhead Travelling Cranes are designed & manufactured in accordance with IS: 3177 and IS: 4137 considering adequate factor of safety with respect to appropriate duty classifications. The structural parts of the cranes are designed in Accordance with IS: 807.CMK also manufactures cranes as per international standards. CMK cranes are manufactured with standard components and controls to ensure reliability.

Single Girder EOT Crane

Single girder cranes have compact construction and allow maximum utilization of room height.

Capacity : Upto 20,000 Kg
Span : Upto 40 Mtrs.
Height of Lift : As per customer specifications

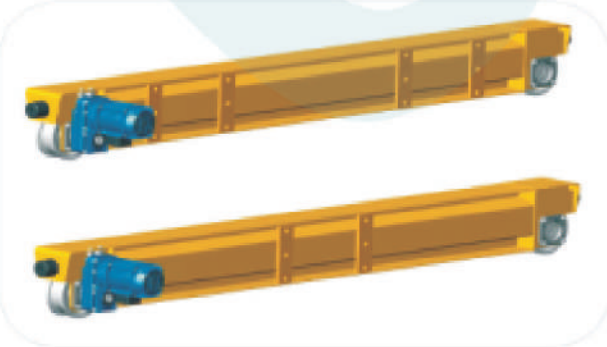
Double Girder EOT Crane

Double girder cranes are rugged in construction and find their use in a wide range of hoisting capacities and applications.

Capacity : Upto 2,00,000 Kg
Span : Upto 40 Mtrs.
Height of Lift : As per customer specifications

Gantry Cranes

CMK manufactures Gantry Cranes ranging from 1 Ton to 60 Ton Capacity and up to 40 meters span and Height of lift as per customer's requirement. These are generally used outdoors in Engineering Industries, Ship yards, Ports, Granite, Steel Yards, Cement Pipe Industries, Open Yard, Storages places, Container Depots etc.



End Carriages

Technical features:

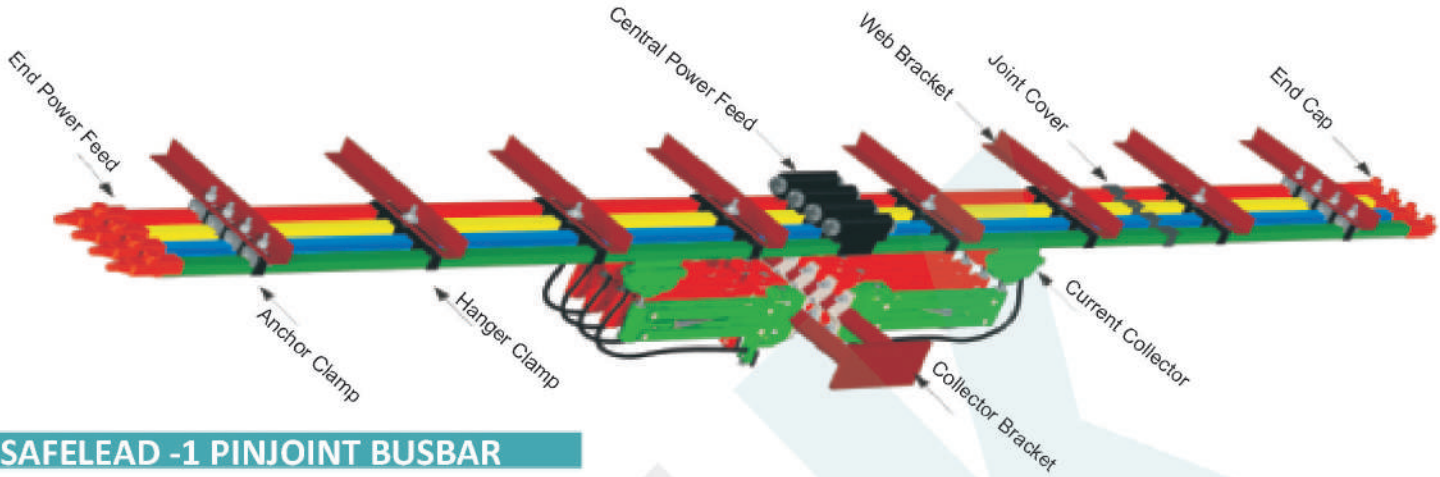
- Capacity - up to 20 000kg
- Group FEM 2m
- Span - up to 25m
- Wheel diameter 160-315 mm
- End carriage profile:

Rectangular tube or weldedstructure

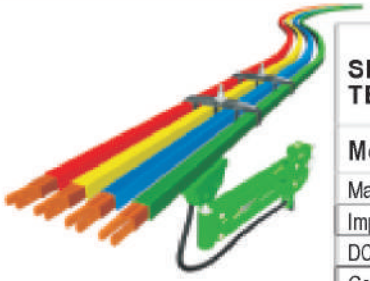
- Cranes girder connection:

High-tensile bolt connection

DSL SHROUDED BUSBAR SYSTEM



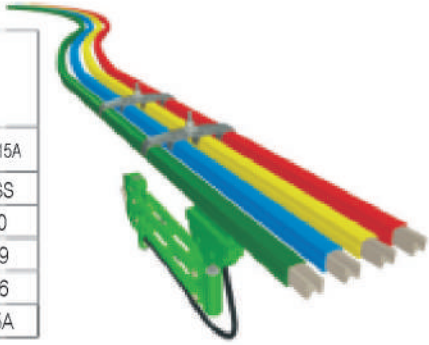
SAFELEAD -1 PINJOINT BUSBAR



SHROUDED CONDUCTOR TECHNICAL DATA SHEET					
Model No.	SL1-60A	SL1-100A	SL1-125A	SL1-250A	SL1-315A
Material	Galvanised Steel			Copper	
Impedence 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%	60 A	100A	125A	250A	315A

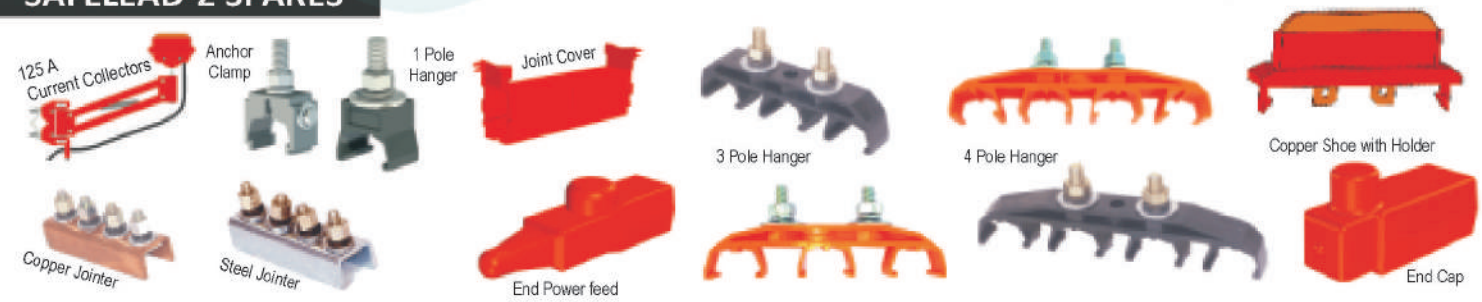
SAFELEAD-1 SPARES

SAFELEAD -2 BOLT JOINT BUSBAR



SHROUDED CONDUCTOR TECHNICAL DATA SHEET								
MODEL NO.	SL2-60A	SL2-100A	SL2-125A	SL2-160A	SL2-250A	SL2-400A	SL2-200A	SL2-315A
Material	Galvanised Steel			Copper			Aluminium with SS	
Cross Sectional Area	53	66	100	53	66	100	104	120
Impedence 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

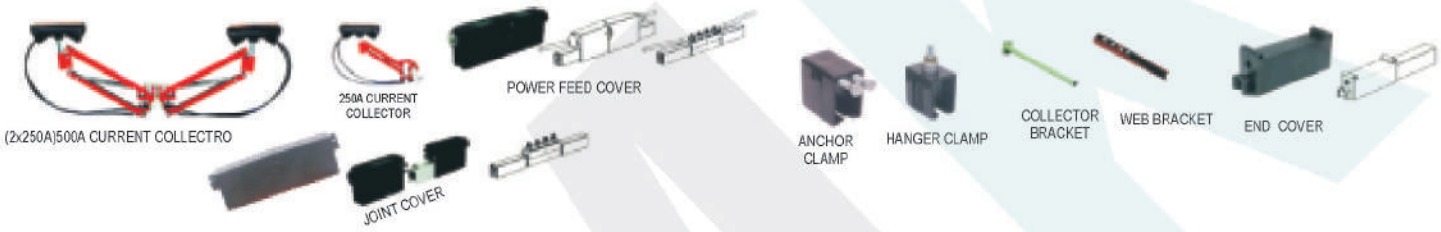
SAFELEAD-2 SPARES



SAFELEAD -3 HEAVY DUTY BUSBAR

SHROUDED CONDUCTOR TECHNICAL DATA SHEET						
MODEL NO.	SL3A-500A	SL3A-800A	SL3A-1000A	SL3C-500A	SL3C-800A	SL3C-1000A
Material	Aluminium With SS Strip			COPPER		
Conductor Rating At +35 °C CDF 100%	500A	800A	1000A	500A	800A	1000A
Impendence mili Ohms/M +35° C	0.158	0.145	0.138	0.162	0.137	0.128
DC resistance milliohms/M +35° C	0.098	0.075	0.052	0.106	0.059	0.035
Standard Conductor Length	4.5 Mtrs	4.5 Mtrs	4.5 Mtrs	4.5 Mtrs	4.5 Mtrs	4.5 Mtrs
Conductor Joint	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED	BOLTED
Conductor Rating At 100% CDF +35° C	500A	800A	1000A	500A	800A	1000A

SAFELEAD-3 SPARES



SAFELEAD -4 ENCLOSED CONDUCTOR BAR

The enclosed conductor system are modern and safe system for power energy and data transmission for various types of equipment such as cranes, bridge cranes, conveyors belts, chain conveyors and all moving machineries.

MODEL NO.	TR60-40A	TR60-60A	TR85-40A	TR85-70A	TR85-100A	TR85-140A	TR85-200A
Material	COPPER						
Conductor Rating At +35 °C	40A	60A	40A	70A	100A	140A	200A
Impendence Ohms/M 10^{-4} +35 °C	17.9	11.38	18.36	11.01	7.87	5.55	3.67
Resistance Ohms/M 10^{-4} +35 °C	17	11.33	18.27	10.96	7.83	5.48	3.65
Copper Strip Section[mm^2]	10	15	9.3	15.5	21.7	31	46.5

SAFELEAD-4 SPARES

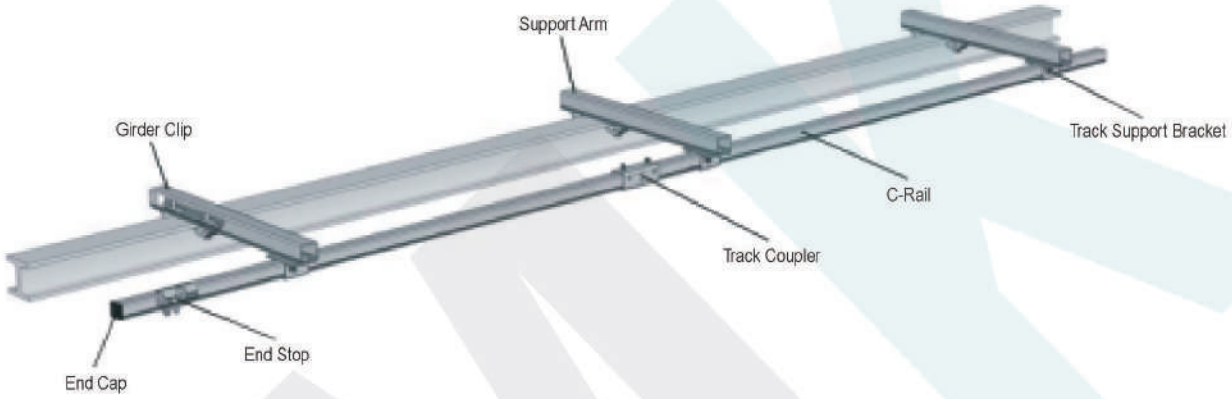
APPLICATIONS

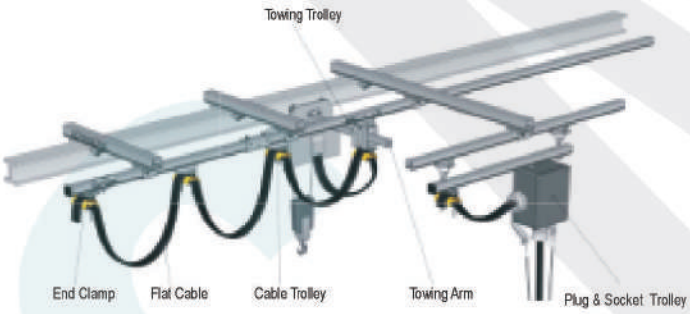
Shrouded DSL installations for EOT Cranes, Electric Hoists, Straight / Curved Monorails, Conveyors, Amusement Drives, Electric Trolley, Transfer Cars, Auto mated storage systems, Material handling systems etc. Aluminum Conductors for Corrosive atmosphere.

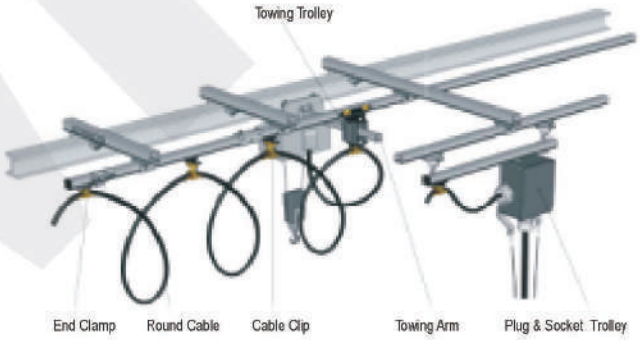
FESTOON SYSTEM

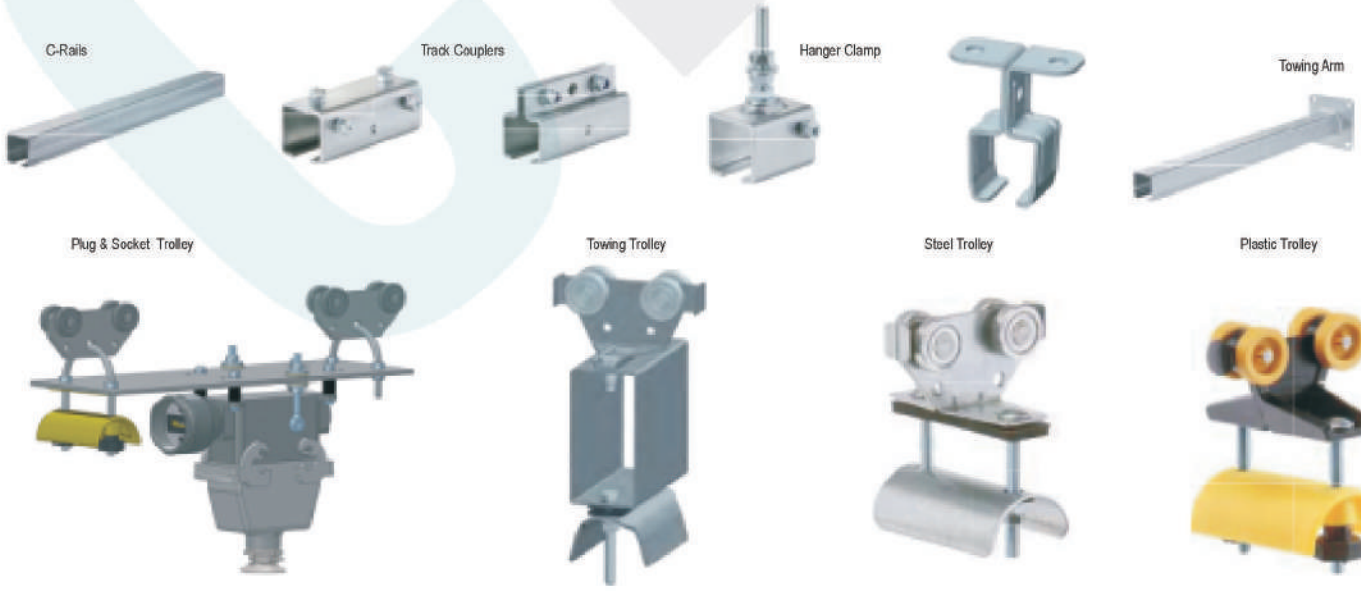
C rail festoon system are used to electrify various types of mobile equipment. They can be designed not only to support and protect flat and round electrical cables, but air and water hoses as well. Festoon systems are typically used on overhead cranes, port cranes, refuse cranes and other material handling applications. This system also used for Electrification of Moving Machineries.

C RAIL FESTOON SYSTEM









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 and control circuit up to 500 volts A.C. 50 Hz and 10amps and 40 amps current rating.

Function: The lever Limit switch operates when its lever reaches its pre-determined position and the lever is moved over a projecting member fixed on the Girder. The Limit Switch contacts are automatically reset when the lever returns to zero position due to spring action.

Body Material : Aluminium casting
Enclosure : IP-54
Mounting Position : Vertical
Cable entry : ¾" Conduit Rated Voltage : 500 V
Thermal Test Current : 40 Amp No. of contacts : 2 / 3 / 4
Mode of operation : 2 way self resetting

Body Material : M.S sheet Enclosure : IP-44
Mounting Position : Vertical
Cable entry : ¾" Conduit
Rated Voltage : 500 V Thermal Test Current : 40 Amp
No. of contacts : 2 / 3 / 4
Mode of operation : 2 way self resetting
Contact Material : Silver Cadmium

Body Material : Black Nylon
Cover Material : Impact proof thermoplastic
Protection Degree : IP-65
Mounting Position : Any Drive : Worm Drive
Cable Entries : 2, 3/4" Conduit
Contact Material : Double break silver cadmium
Wire Connection : Screw terminal
Rated Voltage Insulation : 500 V.A.C.
Thermal Test Current : 16 Amps.

Gravity/Counter Weight Limit Switch

Weight Operated Limit Switches are used on control / power circuit of reversing drives so as to limit their rotation / movement within a predetermined position.

Body Material : Powder Coated Aluminum die cast
Degree of Protection : IP-55
Mounting Position : Floor
Cable Entries : 2, 3/4" Conduit
No. of Contact : 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/hour

Body Material : M.S Sheet
Degree of Protection : IP-44
Mounting Position : Floor
Cable Entries : 2, 3/4" Conduit
No. of Contact : 2/3/4
Contact : Double break silver cadmium

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

Function:

Limit Switch is to stop the mechanism of drive at the extreme clock wise / anti clock wise position. These rotary limit switches are particularly suited for use on reversing drives such as electric hoists, winches, over head cranes and traverse.

Application:

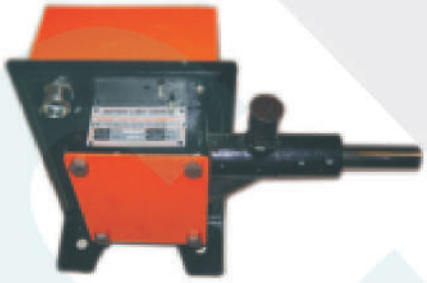
Rotary geared type limit switches are suitable for use reversing drives such as hoists, winches, rolling mills and various other mechanisms used such used in steel plants such as coke oven and feeding machinery.

Aluminum Body Rotary gear Limit Switch

Specifications:

Body Material : Aluminum die cast
Degree of Protection : IP-55
Gear Ratios : 1:48, 1:60
Drive : Worm Drive
Cable Entries : 3/4" Conduit
Rated Voltage Insulation : 500 V.A.C.
Thermal Test Current : 10/40 Amps.
NO. of Contacts : 2,4, 6 maximum

Heavy-duty Casting Rotary Gear limit Switch



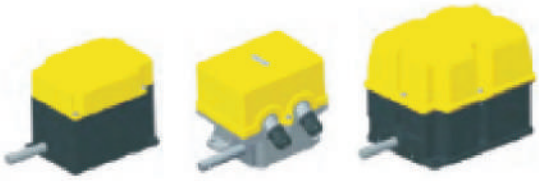
Specifications:

Body Material : CI Casting With Sheet cover
Degree of Protection : IP-45
Gear Ratios : 1:48, 1:60
Drive : Worm Drive
Cable Entries : 3/4" Conduit
Rated Voltage Insulation : 500 V.A.C.
Thermal Test Current : 10/40 Amps.
NO. of Contacts : 2,4, 6 maximum

FG ROTARY GEAR LIMIT SWITCH

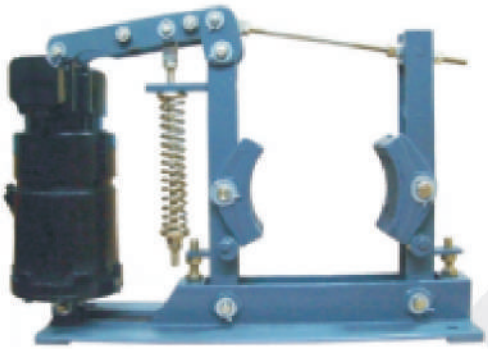
Technical Data:

Body Material : Black Nylon
Cover Material Yellow : Impact proof thermoplastic
Protection Degree : IP-65
Mounting Position : Any
Gear Ratios :1:12.5, 1:25, 1:50, 1:100, 1:200 & 1:400
Drive : Worm Drive
Cable Entries : 2, 3/4" Conduit
Maximum Rotation Speed : 1200 rpm
Contact Material : Double break silver cadmium
Wire Connection : Screw terminal
Rated Voltage Insulation : 500 V.A.C.
Thermal Test Current : 10 Amps.



Electro hydraulic Thruster Brake

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 600 mm dia. Higher sizes can also be supplied against specific requirements. The brake is applied by the tension of the compressed springs mounted vertically between the thruster and brake lever. The thruster rods are connected with the brake by means of an angle lever. As the piston travels upwards the angle lever turns, pushes the brake rod and compresses the brake spring. Simultaneously, the brake lever on the other side of the wheel (Brake Drum) is retractyed.



Brake Model	Brake Drum Dia mm	Brake Torque		Brake Model	Brake Drum Dia mm	Brake Torque	
		kg-m	N-m			kg-m	N-m
MDT-100-18	100	6	60	MDT-400-46	400	90	900
MDT-150-18	150	9	90	MDT-400-68	400	110	1100
MDT-160-18	160	9	90	MDT-500-46	500	190	1900
MDT-200-18	200	20	200	MDT-500-68	500	290	2900
MDT-250-18	250	35	350	MDT-500-114	500	485	4580
MDT-250-34	250	42	420	MDT-600-68	600	350	3500
MDT-300-34	300	62	620	MDT-600-114	600	580	5800

Electro hydraulic Thrusters

Electro-Hydraulic Thruster A compact 60watt, 2800 rpm, 415v/50Hz/3-ph, non-ventilated motor is directly mounted on the top of a moving aluminum piston. A cast iron tank containing the brake fluid actcs as the cylinder. the piston separates the cylinder into higt pressure and low pressure chambers. The bi directional impeller is mounted directly on the motor shaft. The upper clevis is integral with the top end shield of the motor and the lower clevis is on the bottolm of the tank cover.

MODEL NO	RATED THRUST kgs.	OUTPUT STROKE (S) mm.	INPUT WATTS
EHT-18K	18	51	90
EHT-34K	34	51	150
EHT-45K	45	51	180
EHT-68K	68	76	200
EHT-113K	113	76	250
EHT-225K	225	127	420
EHT-295K	295	127	580

BRAKE SHOE LINER

CMK Manufacturing a wide range of brake linings, whichis of excellent quality. These are made of soft but tough heat resistant material with a high coefficient of dynamic friction. we offer rubber brake linings, asbestos brake linings, automotive brake linings, which are made using a unique blend of ingredients such as asbestos, friction dust, resins etc. These products are used in industrial brake application.

AC FAILSAFE ELECTROMAGNETIC DISC BRAKE

Very compact and modern in design. Foundation is not necessary as they are directly mounted on non-driving end shaft of the motor. It consist of liner plates (Brake Disc) with square hole at the center. One corresponding piece of square hub is supplied with the brake. This hub is keyed to the motor shaft and the liner plate is free on this hub Normally Liner plate is gripped between two discs with the help of spring pressure. they work on 230/415 V.A.C. When the current is supplied to the brake, one disc is attracted by electromagnet against spring pressure and the liner plate os released. Thus the brake is 'off'. Once the brake is set it dose not required adjustments or maintenance When the liner plates wears with the use then only air gap is to be maintained periodically An arrangement to release the brake manually could be provided on request.

RANGE	Tech. Data			
	T. Kg. m	VA	Sq.Hub M	N.
EMD-125	0.2	80	28.0X28.0	25
EMD-150	1.1	80	38.1X38.1	25
EMD-150X	2.2	80	38.1X38.1	45
EMD-190	2.5	165	38.1X38.1	28
EMD-190X	4.5	165	38.1X38.1	45
EMD-235	4.0	205	50X50	28
EMD-235X	6.0	205	50X50	45
EMD-290	5.5	275	50X50	30
EMD-290X	11	275	60X60	45
EMD-290XX	14	275	60X60	60

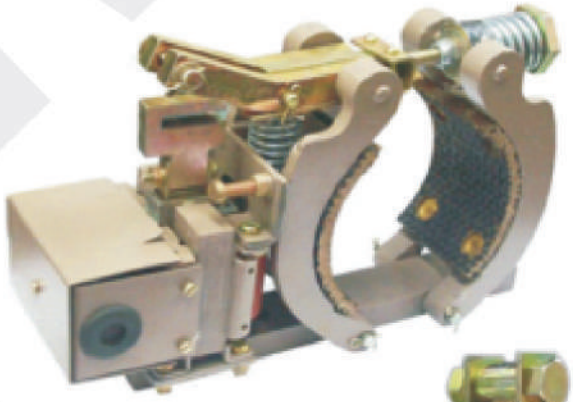
Applications

Used in Machine tools, Hydro Extractors, Coil Winding Machines, Wire Drawing Machines, Rubber Mixing Mills, Rolling Mills, Printing machines and in many other industries such as a Cement Mining, Sugar, Textile, Material Handling etc. In case of power failure in machines like Hoiste, Cranes, Winches, Elevators, etc. application of Brake is a must. We offer AC type brakes, called fail safe brake, as in case of power failure, these brakes apply mechanically.

AC Solenoid Brake

AC Solenoid Brake that are suitable for AC supply up to 440 volts, and are available for a wide range of drum sizes from 100 mm to 380mm Dia. We stand in the midst of prominent electromagnetic brakes suppliers based in India.

- AC brakes:
  - 4″ Dia
  - 5.5″ Dia
  - 7″ Dia
- Solenoids:
  - Type : SLB – 25 mm stroke length
  - Type : SLD – 31.4 mm stroke length



Features

- Class F insulation of the coil
- Continuous & intermittent duty
- Long life & ease of maintenance
- Ideally suited for applications such as :
  - Cranes,Hoists,Machines,Valves,Conveyers

AC Solenoid Brake – Type S

Type of Brake	Wheel Inch		Max. Torque		Duty
	Inch	MM	Lb. ft.	Nm	
S-4	4	101.6	10	13.6	Continuous
S-5	5.5	139.7	25 35	34.0 48.0	Continuous Intermittent
S-7	7	177.8	50 75	68.0 102.0	Continuous Intermittent

STAINLESS STEEL PUNCHED GRID RESISTORS

Resistors are designed to meet requirements of both A.C. & D.C. applications. The basic types of resistors are stainless Steel and Punched Steel Resistors these are manufacture for current ratings from 10 to 800 Amps. Continuous resistors of higher ratings are manufactured using 2 or more parallel paths. Resistors with short time rating up to 3000 Amps or even more for neutral earthing are possible which suitable for system voltage up to 11 kv and above.

Rated value (Ohms)	Grid type	Current rating for varlous duty factors (Amps)			
		25% ED	40% ED	60% ED	100% ED
0.010	PS10	390	325	280	234
0.022	PS22	265	220	190	158
0.032	PS32	220	182	153	131
0.046	PS46	185	151	130	110
0.068	PS68	152	126	110	90
0.100	PS100	125	103	88	74
0.150	PS150	101	84	72	61
0.220	PS220	83	70	59	50
0.300	PS300	82	59	50	43
0.460	PS460	58	48	40	35
0.720	PS720	47	39	33	28
1.000	PS1000	40	33	28	24
1.500	PS1500	32	27	23	19
2.500	PS2500	25	21	18	15
4.500	PS4500	15	13	11	8

Technical data / Features :

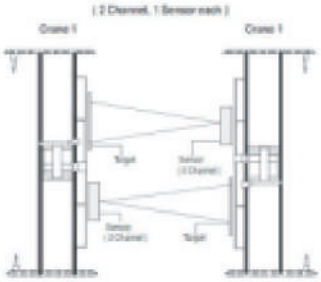
Enclosure	- sheet Steel Duty hot Dip galvanized / painted
Mounting	-IP-11/ IP-21/ IP-23/ IP-33
Protection degree	-7-400 Amps
Current rating (s.s. grid) continuous	-7-800 Amps
Current rating (p.s. grid) continuous	-Air / oil cooled
Cooling	-2250C/2500C/3750C
Temperature rise	-Bottom
Cable entry	-Punched grid elements
Series Connection	are tig weided.

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 maximum 24 contacts as per desired sequence with spring 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.

Technical Specification
Body Material : M.S sheet
Enclosure : IP-44/IP-54
Mounting Position : Horizontal/Vertical
Rated Voltage : 500 V
Cable entry : 2x 20 / 2x26 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-COLLSION 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 travelling 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.

Product Specification				
Model No	**ACC03**	**ACC10**	**ACC15**	**ACC102**
Supply Voltage	230V AC / 110V AC (User Selectable)	230V AC / 110V AC (User Selectable)	230V AC / 110V AC (User Selectable)	230V AC / 110V AC (User Selectable)
No of set points	Single	Single	Single	Two set Point independently adjustable
No of output / Relay	Single Relay /Single Output	Single Relay /Single Output	Single Relay /Single Output	Two Relay /Two Output
Contacts Rating	3 Amps (max.) at 220 V AC	3 Amps (max.) at 220 V AC	3 Amps (max.) at 220 V AC	3 Amps (max.) at 220 V AC
Dimensions	180 mm X 145 mm X 55 mm	180 mm X 145 mm X 55 mm	180 mm X 145 mm X 55 mm	180 mm X 145 mm X 55 mm
Reflector size	130 x 75 mm	130 x 75 mm	130 x 75 mm	130 x 75 mm
Housing	Metal Housing	Metal Housing	Metal Housing	Metal Housing

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 < 5Watts/Phase.
- Use of ultra-bright LED for Omni directional view from 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.

APPLICATION
Over head Crane Bus Bar system.

Operating Temperature :	20° 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.

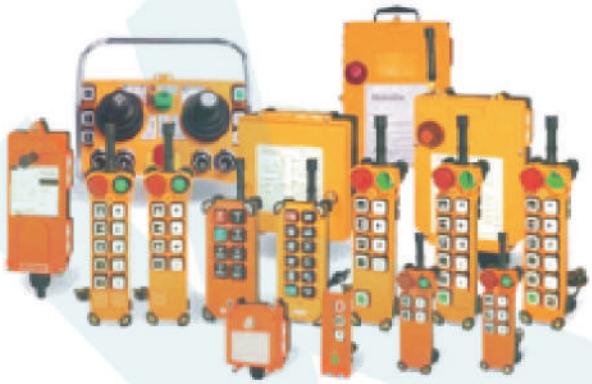
WIRE LESS RADIO REMOTE CONTROL

CMK is one of the leading manufacturer and supplier of Industrial wireless Radio remote controls.

Application:

Any equipment/ machine which is electrically operated through contactor control can be converted to remote operation.

EOT Crane, Hoist, Conveyors, Mobile Hoppers, Gantry Cranes, Container Cranes, Jib Cranes,PLC Controlled Equipmens,Towre Cranes, Bascule bridges, Mud Guns & Drill Machines, Stacker-Reclaimers, Furnace doors, Transfer trolleys, Carriage covers, Manipulators and all moving machineries.



Specification

Material:Glass-Fiber-PA
Encloser Protection Class:IP-65,
Power supply: 18-65v AC/DC,65-440 AC/DC(optional)
Control distance:100 mtrs(200 Mtrs is custmised)
Temparature Range:-40'C to- +85'C

	F21-2S 1-Speed, 2 buttons+magnetic key **F21-2D** 2-Speed, 2 buttons+magnetic key		**F24-6S** 1-Speed, 6 buttons+E-stop+Start+spare **F24-6D** 2-Speed, 6 buttons+E-stop+Start+spare
	F21-4S 1-Speed, 4 buttons+E-stop+Start **F21-4D** 2-Speed, 4 buttons +E-stop+Start		**F24-8S** 1-Speed, 8 buttons+E-stop+Start+spare **F24-8D** 2-Speed, 8 buttons+E-stop+Start+spare
	F21-E1 1-Speed, 6 buttons +E-stop+Start		**F24-10S** 1-Speed, 10 buttons+E-stop+Start+spare **F24-10D** 2-Speed, 10 buttons+E-stop+Start+spare
	F21-E1B 1-Speed, 6 buttons +E-stop+Start		**F24-12S** 1-Speed, 12 buttons+E-stop+Start+spare **F24-12D** 2-Speed, 12 buttons+E-stop+Start+spare
	F23-BB 1-Speed, 10 buttons+stop+Start **F24-BB** 1-Speed, 10 buttons+stop+Start		**F24-60** **double joystick controller**

Other Remote Model Available On Request

PENDANT STATION

GIOVENZANA PENDANT STATION

	MODEL NO.	DESCRIPTION
	PLO5	single-speed 4 mechanically interlocked between pairs + n° 1 emergency stop
	PLO5D2 PLO5D4	two-speed 4 mechanically interlocked between pairs + n° 1 emergency stop
	PLO8 PLO8D2	single-speed 6 mechanically interlocked between pairs + 1 start / allarm + 1 emergency stop
	PLO8D4 PLO8D6	two-speed 6 mechanically interlocked between pairs + 1 start / allarm + 1 emergency stop
	PLC04	Single-speed 2 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop
	PLB04D2	two-speed 2 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop
	PLB08 PLB08D2	Single-speed 6 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop
	PLB08D4 PLB08D6	two-speed 6 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop

	MODEL NO.	DESCRIPTION
	PLO7 PLO7D2	single-speed 6 mechanically interlocked between pairs + n° 1 emergency stop
	PLO7D4 PLO7D6	two-speed 6 mechanically interlocked between pairs + 1 start / allarm + 1 emergency stop
	PL10	Single-speed 8 mechanically interlocked between pairs + 1 start / allarm + 1 emergency stop
	PL12	two-speed 8 mechanically interlocked between pairs + 1 start / allarm + 1 emergency stop
	PLB06	Single-speed 4 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop
	PLB06D2 PLB06D4	two-speed 4 Mechanically interlocked between pairs + 1 start / allarm + N° 1 emergency stop
	PLB10 PLB12 PLB14	single-speed N° 1 Mechanically interlocked between pairs 8 10 12 + 1 start / allarm + N° 1 emergency stop

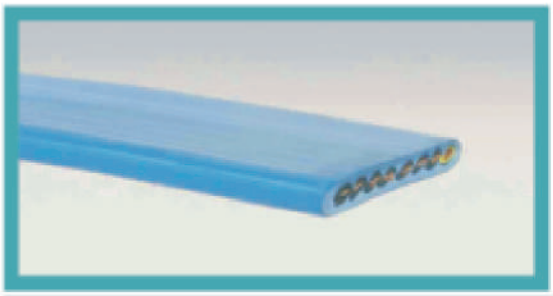
Other Model Available On Request

XAC-PENDNAT STATION

	MODEL NO.	DESCRIPTION
	XAC-P21S	single-speed 2 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P21D	two-speed 2 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P41S	single-speed 4 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P41D	two-speed 4 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P61S	single-speed 6 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P61D	two-speed 6 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P81S	single-speed 8 mechanically interlocked between pairs + n° 1 emergency stop
	XAC-P81D	two-speed 8 mechanically interlocked between pairs + n° 1 emergency stop

	MODEL NO.	DESCRIPTION
	XAC-P2S	single-speed 2 mechanically interlocked between pairs
	XAC-P2D	two-speed 2 mechanically interlocked between pairs
	XAC-P4S	single-speed 4 mechanically interlocked between pairs
	XAC-P4D	two-speed 4 mechanically interlocked between pairs
	XAC-P6S	single-speed 6 mechanically interlocked between pairs
	XAC-P6D	two-speed 6 mechanically interlocked between pairs
	XAC-P8S	single-speed 8 mechanically interlocked between pairs
	XAC-P8D	two-speed 8 mechanically interlocked between pairs

Particularly suitable for supply and control circuits, lifting and handling equipment.



- Comply with CEI 20 - 22 II (flame resistant)
- Insulation class 2/3
- Operational voltage 450/750V
- Sheathing colour blue
- Internal conductors with flexible PVC scheathing progressively numbered, plus earth conductor (yellow/green)
- Operating temperature -5°C +70°C

CODE	N! CROSS SECTION	APPROXIMATE OUTER DIMENSIONS	STRAND n./ mm	APPROXIMATE WEIGHT gr/m	TOTAL CROSS SECTION mm²
CPO415AF	4X1,5	15X5,2	30X0,25	150	6
CPO815AF	8X1,5	29X5,5		300	12
CP1215AF	12X1,5	41X5		420	18
CP1615AF	16X1,5	54X8		510	24
CP1815AF	18X1,5	43X11		700	27
CP2415AF	24X1,5	51X13		1.000	36
CPO425AF	4X2,5	21X5,7	50X0,25	240	10
CPO825AF	8X2,5	33X6		420	20
CP1225AF	12X2,5	50X7		640	30
CP1625AF	16X2,5	41X13		1.000	40
CP1825AF	18X2,5 *	50X13		1.050	45

CODE	N! CROSS SECTION	APPROXIMATE OUTER DIMENSIONS	STRAND n./ mm	APPROXIMATE WEIGHT gr/m	TOTAL CROSS SECTION mm²
CP2425AF	24X2,5 *	54X13	50X0,25	1.100	60
CP0404AF	4X4	21X7,5	56X0,30	330	16
CP0804AF	8X4	38X5		550	32
CP0406AF	4X6	24X8	84X0,30	440	24
CP0806AF	8X6	38,5X8		742	48
CP0410AF	4X10	35X11	7X12X0,40	800	40
CP0416AF	4X16	36,5X12	7X18X0,40	1.200	64
CP04250AF	4X25	43X13	7X28X0,40	1.700	100
CP0435AF	4X35	50X14	7X39X0,40	2.050	140

On request the same cables can be supplied - minimum requirement is 500 m - with: heat resistant upto 105°C tinned red copper shield
Minimum supply 500 m.

Made for heavy duty applications in particular for pendant push button stations and moving electro mechanical components. The two steel wire ropes are embedded, diametrically opposed to PVC sheathing. The rope cut into lengths and just hooked the steering control to avoid any stress on the cable. ROUND CABLE WITH DUAL STRAIN RELIEF STEEL WIRES - S05VVD7-F

- Comply with CEI 20 - 22 II(flame resistant)
- Insulation class 2/30
- perational voltage 300/500V
- Sheathing colour blue
- Internal conductors with flexible PVC Scheathing progressively numbered, plus earth conductor (yellow/green)
- Operating temperature: -5!C +70!C
- 2mm steel wires
- Breaking point: 60 kg/mmq

CODE	N CROSS SECTION	APPROXIMATE OUTER DIMENSIONS CABLE	WIRE ROPE	STRAND n./ mm	APPROXIMATE WEIGHT gr/m	TOTAL CROSS SECTION mm²
	8X1,5		23,6	30X0,25		12
	12X1,5		26,4			18
	16X1,5		28			24
	18X1,5		29			27
	20X1,5		30			30
	24X1,5		33			36

I-BEAM CABLE TROLLEY

CT-22
Cable Clamping
multi cable Nickel Platting

CT-23
Cable Clamping Dia. :
25 mm to 38 mm

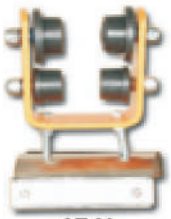
CT-24
Cable Clamping Dia. :
16 mm to 20 mm

CT-25
Cable Clamping Dia. :
Alluminium Wheel
25 mm to 38 mm

CT-26
Cable Clamping Dia. :
Multi Cable, Flat Cable

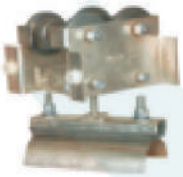
CT-27
Cable Clamping Dia. :
Multi Cable, Flat Cable

CT-28
Cable Clamping Dia. :
Two Wheel, Multi Cable



CT-29
Cable Clamping Dia. :
Four Wheel,
Multi Cable

CT-30
Cable Clamping Dia. :
Four Wheel
(Adjustable)
Multi Cable



CT-31
Cable Clamping Dia. :
Four Wheel,38 to 75 mm
(Round-Flat Cable)

CT-32
Cable Clamping Dia. :
Heavy Wheel
(Adjustable),
Multi Cable

CT-33
Cable Clamping Dia. :
Unbreakable
Plastic Four
Wheel Heavy Trolley,
Multi Cable / Flat Cable

CT-53
Cable Clamping Dia. :
Two Bearing Heavy
Trolley Multi Cable

CT-35
Heavy Single Decker
Multi Cable (M-Type)

CT-35/A
Heavy Double Decker
Multi Cable (M-Type)

WIRE ROPE TROLLEY

CC-01
Cable Clamping Dia :
7 to 14 mm

CC-01/New
Cable Clamping Dia :
7 to 14 mm

CC-02
Cable Clamping Dia :
16 to 20 mm

CC-03
Cable Clamping Dia :
Single Cable Flat
16 to 35 mm

CC-04
Cable Clamping Dia :
Two Cable Flat
16 to 35 mm

CC-05
Cable Clamping Dia. :
25 mm with Bush Type

CC-06
Cable Clamping Dia. :
38 mm without Bush Type

CC-07
Cable Clamping Dia. :
11 mm to 25 mm

CC-08
Cable Clamping Dia. :
7 to14 mm

CC-09
Cable Clamping Dia. :
16 to 20 mm

CC-09New
Cable Clamping Dia. :
16 to 20 mm

CC-10
Cable Clamping Dia. :
Single Cable Flat
16 to 35 mm

CC-11
Cable Clamping Dia. :
Two Cable
Flat 16 to 35 mm

CC-12
Cable Clamping Dia. :
25 mm

CC-13
Cable Clamping Dia. :
38 mm

CC-14
Cable Clamping Dia. :
11 to 25 mm

FLEXIBLE GEAR COUPLING

CMK FLEXIBLE GEAR COUPLINGS are distinguished by their MECHANICAL FLEXIBILITY and compensation of MISALIGNMENT of the connected shafts automatically without any loss of transmitted power during running. The Models of Flexible gear Couplings are available 100 to 119

Break Drum with Flexible Geared Coupling

CMK Brake Drum with Flexible Geared Coupling that serve the dual purpose of coupling transmitting mechanical power as well as providing brake drum of suitable size for mounting brake within same space. The Models of Brake Drum Coupling are available 100 mm Dia to 600 mm Dia

Brake Drum Geared Coupling

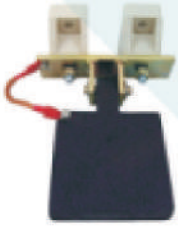
CMK Brake Drum Couplings that serve the dual purpose of coupling transmitting mechanical power as well as providing brake drum of suitable size for mounting brake within same space. The Models of Brake Drum Coupling are available 4" to 10"

NYLON GEAR COPLING

NYLON GEAR COPLINGS are developed using high-grade material along with advent technology in line with the defined parameters of the industry and clients requirement.

CRANE SPARES AND ACCESSORIES

Gravity Current Collector



Rail Clamps

Wire Rope

Crane Shackles

Spring Buffer

Cam Switches

Crane wheels

Lifting Belts

Crane Hooks

Rubber Ruffer

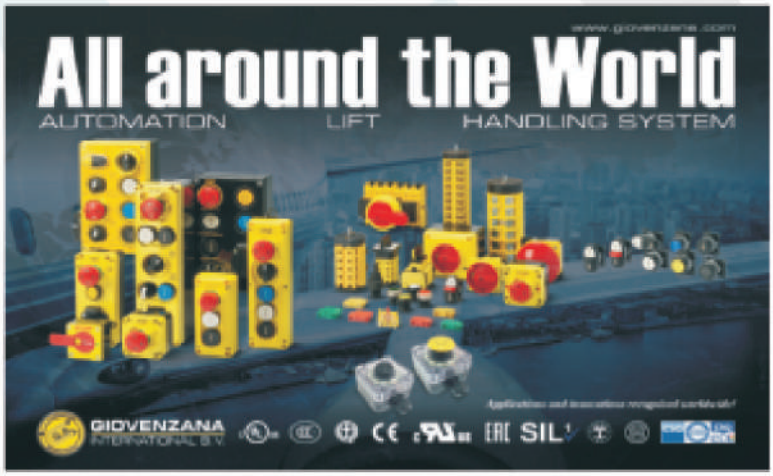
CMK ELECTROPOWER (P) LTD is a stocking distributor for Giovenzana in the INDIA..
We carry a large inventory of Giovenzana products to include control equipment for material handling and lifting equipment.
GIOVENZANA INTERNATIONA B.V is the global manufacturer of control equipment for material handling equipment, lift and elevator and automation products.

Control equipments for Material habdling equipment.

Crane Pendant station, Rotary gear Limit switches, Lever limit switches,Busbar systems ,C rail festoon systems, Flat and pendant cables

Control Equipment for Lift and elevator

Giovenzana the undisputed leader in its field. The range includes: pit bottom push button stations, recall drive control units and inspection boxes.



OUR ESTEEMED CUSTOMERS

CMK ELECTRO POWER (P) LIMITED.

(An ISO 9001:2008 Certified Company)

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